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# HOWARD UNIVERSITY

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## UNDERGRADUATE BULLETIN

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1867

# HOWARD UNIVERSITY

## HOWARD UNIVERSITY UNDERGRADUATE BULLETIN

2017-2019

Howard University makes every effort to provide accurate and current information this bulletin. However, the University reserves the right to change the rules governing admission, tuition, fees, financial aid, courses, the granting of degrees, or any other regulations affecting its students. Curriculum guides published in this bulletin are for information only. Please consult with the respective departments for official program schemes.

This publication and other information about Howard University's academic programs can be accessed on Bisonweb ([www.howard.edu/bisonweb](http://www.howard.edu/bisonweb)). Revisions and supplements to the bulletin will be posted on Bisonweb.

Other Howard University publications that contain important information for students include: the Student Reference Manual published by the Office of Enrollment Management; the Student Handbook published by the Office of Student Affairs; and school/college and departmental student handbooks.



**Section 1**  
**GENERAL INFORMATION**



# HOWARD UNIVERSITY

## HOWARD UNIVERSITY: AN OVERVIEW

In November 1866, shortly after the end of the Civil War, members of the First Congregational Society of Washington considered establishing a theological seminary for the education of African-American clergymen. Within a few weeks, the concept expanded to include a provision for establishing a University. Within two years, the University consisted of the colleges of Liberal Arts and Medicine. The new institution was named for General Oliver O. Howard, a Civil War hero who was both a founder of the University and, at the same time, commissioner of the Freedman's Bureau.

The University charter as enacted by Congress and subsequently approved by President Andrew Johnson on March 2, 1867, designated Howard University as "a University for the education of youth in the liberal arts and sciences." The Freedmen's Bureau provided most of the early financial support of the University. In 1879, Congress approved a special appropriation for the University. The charter was amended in 1928 to authorize an annual federal appropriation for construction, development, improvement and maintenance of the University.

Howard University as one of the nation's leading research universities is dedicated to educating students from diverse backgrounds at the undergraduate, graduate, and professional level, with a particular focus on African-American students, as well as those of all other racial and ethnic groups from the United States and around the world. The University received its first accreditation from the Middle States Association of Colleges and Schools in 1921 and has had its accreditation reaffirmed by the Association at every required interval thereafter.



# HOWARD UNIVERSITY

## HOWARD UNIVERSITY: AN OVERVIEW CONTINUED

Howard is a unique university with a special mission that addresses the higher education needs of the nation and the world. Since its founding, Howard has been open to men and women from all racial and ethnic groups. The University has awarded more than 100,000 degrees in the arts, sciences and humanities. Howard ranks among the highest producers of the nation's Black professionals in medicine, dentistry, pharmacy, engineering, nursing, architecture, religion, law, music, social work and education. The University has long held a commitment to the education and advancement of disadvantaged persons in American society and throughout the world. The goal is the elimination of inequities related to race, color, social, economic and political circumstances.

The University's academic programs are offered by 13 schools and colleges: the College of Arts and Sciences; the School of Business; the School of Communications; the College of Dentistry; the School of Divinity; the School of Education; the College of Engineering and Architecture; the School of Law; the College of Medicine, the College of Nursing and Allied Health Sciences; the College of Pharmacy; and the School of Social Work.

The University library system, typifying Howard's commitment to research, contains more than two million volumes and is a member of the Association of Research Libraries. Among the system's many resources are the state-of-the-art, Louis Stokes Health Science Library and the Law Library, both of which opened in 2001. In addition, the Moorland-Spangarn Research Center houses one of the world's largest and most comprehensive research collections dedicated to documenting the history and culture of people of African descent throughout the world.



# HOWARD UNIVERSITY

## HOWARD UNIVERSITY: AN OVERVIEW CONTINUED

The University has an array of media outlets that address the educational, social, economic, and informational needs of the academic and wider communities. Its radio station, WHUR-FM, and television station, WHUT-TV, a PBS affiliate, serve the Washington metropolitan area and beyond. Each provides training laboratories that assist in preparing students for professional broadcasting and other careers.

In addition to its collegiate programs, the University maintains an Early Learning Program and a Middle School of Science and Mathematics. The Early Learning Program offers pre-kindergarten through kindergarten programs and is accredited by the National Association for the Education of Young Children. The Middle School of Science and Mathematics is a District of Columbia Public Charter School providing curricula for grades 5 through 9.

The University's main campus is located in Washington, DC, within five miles of the United States Capitol and consists of more than 57 buildings on more than 89 acres of land. It also maintains a 22-acre West Campus in upper Northwest Washington, which houses the Law School. The 450 licensed-bed university hospital (Howard University Hospital) provides services for a significant segment of the Washington, DC metropolitan community, in addition to providing a clinical setting for training physicians, nurses, and other healthcare providers.



1867

# HOWARD UNIVERSITY

## HOWARD UNIVERSITY: AN OVERVIEW CONTINUED

The University competes in 17 varsity sports, including basketball, football, bowling, lacrosse, soccer, softball, swimming, tennis, both indoor and outdoor track and volleyball. Howard has more than 10,000 students from virtually every state, the District of Columbia and more than 70 countries.

Today, Howard University is one of only 48 U.S. private, Doctoral/Research-Extensive universities. Its 10,500 students enjoy academic pursuits in more than 120 areas of study leading to undergraduate, graduate, and professional degrees. The University continues to attract the nation's top students and produces more on-campus African-American Ph.D.s than any other university in the world. Since 1998, the University has produced two Rhodes Scholars, three Truman Scholars, three Marshall Scholars, six Fulbright Scholars and nine Pickering Fellows.



# MISSION STATEMENT

Howard University, a culturally diverse, comprehensive, research intensive and historically Black private university, provides an educational experience of exceptional quality at the undergraduate, graduate, and professional levels to students of high academic standing and potential, with particular emphasis upon educational opportunities for Black students. Moreover, the University is dedicated to attracting and sustaining a cadre of faculty who are, through their teaching, research and service, committed to the development of distinguished, historically aware, and compassionate graduates and to the discovery of solutions to human problems in the United States and throughout the world. With an abiding interest in both domestic and international affairs, the University is committed to continuing to produce leaders for America and the global community.

**Approved by the Board of Trustees, June 2009**







# HOWARD UNIVERSITY

## REGIONAL ACCREDITATION

Howard University is accredited by  
 the Middle States Association of Colleges and Schools/Commission on Higher Education.  
 Middle States Commission on Higher Education  
 3624 Market Street - Philadelphia, PA 19104  
 (215) 662-5606

## UNDERGRADUATE PROGRAMS WITH SPECIALIZED ACCREDITATION

PROGRAM	ACCREDITING ORGANIZATION
School of Business	Association to Advance Collegiate Schools of Business International
School of Communications, Undergraduate programs in Journalism, Radio, Television and Film	Accrediting Council for Education in Journalism and Mass Communication (ACEJMC)
School of Education	National Council for the Accreditation of Teacher Education (NCATE) The District of Columbia State Education Agency (DCSEA) American Psychology Association (APA)
School of Engineering, Undergraduate Engineering Programs	Accreditation Board for Engineering and Technology, Inc. (ABET)
Department of Systems and Computer Science	Computer Sciences Accreditation Commission
Department of Art	National Association of Schools of Art & Design
Department of Music	National Association of Schools of Music
Department of Theatre Arts	National Association of Schools of Theatre Arts
Division of Nursing	Commission of Collegiate Nursing Education (CCNE)
Clinical Laboratory Sciences	National Accrediting Agency for Clinical Laboratory Sciences
Nutritional Sciences	Accreditation Council for Education in Nutrition and Dietetics
Radiation Therapy	Joint Review Committee on Education in Radiologic Technology
Health Management Services	Association of University Programs in Health Administration



1867

# HOWARD UNIVERSITY

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# HOWARD UNIVERSITY

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**HOWARD**  
**UNIVERSITY**

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# HOWARD UNIVERSITY

## HOWARD UNIVERSITY POLICY ON EQUAL OPPORTUNITY

Howard University does not discriminate on the basis of race, color, national or ethnic origin, gender, marital status, religion, disability, age, sexual preference, political affiliation or any other basis prohibited by Federal or District of Columbia law. This policy covers administration of the University's educational policies, admission policies, scholarship and loan programs, other University administered programs, and employment.

Inquiries regarding provisions for handicapped persons, equal opportunity and Title IX should be addressed to the appropriate person listed below:

### **Section 504 Coordinator**

Elaine Bourne Heath, Ph.D.  
Howard Center, Room 725  
(202) 238-2420

### **Title IX Coordinator**

Candi Smiley, Esq.  
Office of the Provost  
Carnegie Building, 2nd Floor  
(202) 806-2550

### **Equal Opportunity Officer**

Antwan Lofton, Ed.D.  
2244 10th ST NW, Suite 400  
(202) 806-5770

## **TITLE IX**

Title IX of the Education Amendments of 1972 prohibits sex discrimination in education programs and activities by recipients of federal funds. The Title IX Coordinator for Howard University is Carol McKinnon, who is located in the Office of the Provost, Administration Building, Suite 306, and can be reached at (202) 806-2550.

## **SECTION 504 OF THE REHABILITATION ACT OF 1973**

Section 504 of the Rehabilitation Act of 1973 (P.L. 93-112, as amended P.L. 93-516) forbids discrimination against persons based on handicap by recipients of federal funds. The Section 504 Coordinator, Elaine Bourne Heath, is located at Howard Center, Howard University, Washington, DC 20059. Their telephone number is (202) 238-2420.



# HOWARD UNIVERSITY

## HOWARD UNIVERSITY POLICY ON EQUAL OPPORTUNITY, CONTINUED

### **ETHNIC ORIGIN DATA FOR COMPLIANCE REPORTING**

Title VI of the Civil Rights Act of 1964, requires that no person in the United States shall, on the ground of race, color or national origin, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity receiving Federal financial assistance from the U.S. Department of Education.

To determine whether an institution adheres to the above, the Office of Civil Rights Planning in the U.S. Department of Education requires that:

“Each recipient shall keep such records and submit to the responsible Department official or his designee timely, complete and accurate compliance reports at such times, and in such form and containing such information, as the responsible Department official or his designee may determine to be necessary to enable him to ascertain whether the recipient has complied or is complying with this part. In the case of any other recipient, such other recipient shall also submit such compliance reports to the primary recipient to carry out its obligations under this part.” Title 45 Subtitle A – Department of Education Sec. 80.6 (b) (1972).

Consequently, Howard University must provide the US Department of Education with specific statistical student ethnic origin data. Each student, therefore, is asked to assist the University in complying with this requirement by providing this data when requested.



# HOWARD UNIVERSITY

## GENERAL ADMISSIONS REQUIREMENTS

The University promotes academic excellence through a highly selective admission process. Students who are admitted show strong personal motivation along with backgrounds of consistent academic growth and achievement. The University encourages the submission of applications from socially and economically disadvantaged students who show promise of gaining from a Howard University education. To protect its character and standards of scholarship, the University reserves the right, and the applicant concedes to the University the right, to deny admission to any student at any time for any reason the University deems sufficient.

On **September 24, 1983**, the Board of Trustees of Howard University adopted the following policy statement regarding applicants for admission:

"Applicants seeking admission to Howard University are required to submit accurate and complete credentials and accurate and complete information requested by the University. Applicants who fail to do so shall be denied admission. Enrolled students, who as applicants failed to submit accurate and complete credentials or accurate and complete information on their application for admission shall be subject to dismissal when the same is made known regardless of classification."

### **Application Options**

All students must use the *Common Application* to apply for admissions to the university. If a student needs assistance or accommodations, then the **Office of the Registrar** will provide a paper copy for that student. Students should refer to the Admission Policy and Admission Process sections on the university website.

# GENERAL ADMISSIONS REQUIREMENTS



## HOWARD UNIVERSITY

### APPLICATION DEADLINES & EARLY ACTION

Domestic applicants should apply by the following deadlines

Domestic Applicants should apply by the following dates:

**Fall Semester:**

**November 1<sup>st</sup>** – Early Action: complete application files will be notified **late- December**.

**February 15<sup>th</sup>** :

Traditional Action/Regular Decision:  
Complete application files will be notified by **mid-April**.

**Spring Semester:**

**November 1<sup>st</sup>** – complete application files will be notified by **late-November**.

**Summer Sessions: April 1<sup>st</sup>**

**NOTE:** Application decisions will be rendered only to complete files. **Decisions can not be given over the phone.**

International applications should apply by the following deadlines:

**Fall Semester:**

**November 1<sup>st</sup>** – Early Action  
**February 15<sup>th</sup>** – Traditional Action

Spring Semester: **September 1<sup>st</sup>**

Summer Sessions: **February 1<sup>st</sup>**

### Code for Standardized Test Scores

**SAT & TOEFL: 5297**

**ACT: 0674**

### ADMISSION REQUIREMENTS

First Time in College (FTIC) Students

FTICs are students who have never been admitted to a degree program at Howard University or any other post-secondary institution of higher education.

#### FTIC Academic Eligibility

We consider the applicant's secondary school academic record, standardized college entrance exams (**SAT or ACT**), leadership in school and community activities, unique talents and skills, and educational objectives. For admission consideration, an applicant should have a well-balanced college preparatory program.



# GENERAL ADMISSIONS REQUIREMENTS

## ***FTIC Admission Requirements Package.***

A complete application package includes the following materials:

- 1.) An online application is preferred with non-refundable US\$45 application fee. Personal checks are not accepted. Application fees are not waived;
- 2.) One letter of recommendation from a guidance counselor, principal, head of school, or school official;
- 3.) One letter of recommendation from a teacher or professor;
- 4.) Scholastic Aptitude Test (SAT) or American College Test (ACT) scores
  - To obtain SAT 1 test dates, visit [www.collegeboard.com](http://www.collegeboard.com) – school code 5297
  - To obtain ACT test dates, visit [www.act.org](http://www.act.org) – school code 0674;
- 5.) High School transcript, official certified final secondary school records, or mark sheets including grades 9-12;
- 6.) Certified documentation of exit examination scores for example CXC, GCE, WAEC, BGCSE, or exit examination scores from your region or country - All course titles, and the marks earned in those courses, should be reflected:
  - If your transcript, exit exam, leaving certificate, or grade scale system is in a foreign language, an official English translation by World Education Services ([www.wes.org](http://www.wes.org)) is required. Request the International Credential Advantage Package (ICAP) (*Transcript + Evaluation*) Document-by-Document Report only.
  - Statement of results, provisional notifications of results, and website print out of results will not be accepted.
7. Admission essay- Howard University is interested in you as a person, as well as how you think and express your thoughts. Please submit a 500-word essay on a topic of your choice or "How can I contribute to the Legacy of Howard University".
8. An official TOEFL- Howard's school code is 5297. Only official reports from ETS will be accepted. Scores from the Test of English as a Foreign Language (TOEFL) <http://www.ets.org/toefl> are required for applicants whose native language is not English.
  - Score of 550 on the paper-based test (PBT)
  - Score of 79 on the internet-based test (iBT)
  - In lieu of the TOEFL (if not offered in your country), applicants may submit results from IELTS (International English Language Testing System) with an overall score of a 6.5.

# GENERAL ADMISSIONS REQUIREMENTS

9.) Statement of Financial Resources Form; the “1st Year” column must be completed, using the “General Undergraduate” figures; it must be signed by you and your sponsor. If you are self-sponsored, you should sign on both lines. The form does not require a signature or stamp by a bank official.

- Statement of Financial Resources Form

<http://www.howard.edu/enrollment/documents/admission/Statement%20of%20Financial%20Resources.pdf>

10.) Sponsor’s letter stating the sponsor’s name, your name, relationship to the sponsor and the sponsor’s intent to be responsible for your expenses; if you are self-sponsored, you should submit a letter stating that you are sponsoring yourself

11.) Recent monthly bank statement; if the statement is in a foreign currency, the US dollar equivalence and conversion rate must be stated. The balance must match or exceed the total completed in the “1st Year” column on the Financial Resources Form; a letter written by a bank is not acceptable.

***Residential address in your country of origin; PO Box only or commercial addresses are not acceptable.***

## **Transfer Students**

Applicants who have attended another post-secondary institution of higher education and who may seek admission to Howard University with advanced standing will be classified as transfer students.

***Transfer Student Academic Eligibility.*** Admission criteria vary among Howard University’s schools and colleges. Transfer applicants must meet the following minimum requirements for admission consideration:

- 15 transferrable credit hours (30 credit hours for the School of Business) from a regionally accredited postsecondary institution

***Transfer Students Admission Requirements Package.*** Students who plan to enroll at Howard University must complete and submit the following credentials by the designated deadline stated above:

- Application for Admission with a \$45.00 non-refundable application fee
- Official transcripts from all post-secondary institutions attended;
- A letter of recommendation from a professor or an academic advisor; and
- A completed Professor Recommendation Form.

Mail transcript(s) and recommendation to:

Howard University  
Office of Admission  
2400 Sixth Street NW, Suite G-14  
Washington, DC 20059

# GENERAL ADMISSIONS REQUIREMENTS

## **International Students: First Time in College (FTIC).**

International students are advised to begin the admission process at least one year prior to the time they wish to enter the University. Additional time is usually essential for submission of required tests, academic documents, evaluations, and immigration-related matters.

***International Students Academic Eligibility.*** The following documents are required for admission consideration:

- An online application is preferred with non-refundable application fee. **Personal checks are not accepted. Application fees are not waived.**
- A letter of recommendation from a guidance counselor, principal, head of school, or school official;
- A letter of recommendation from a teacher or professor; and
- Scholastic Aptitude Test (SAT) or American College Test (ACT) scores
  - a.) **To obtain SAT 1 test dates, visit [www.collegeboard.com](http://www.collegeboard.com) – school code 5297**
  - b.) **To obtain ACT test dates, visit [www.act.org](http://www.act.org) – school code 0674**
- High School transcript, official certified final secondary school records, or mark sheets including grades 9-12.
- Certified documentation of exit examination scores for example CXC, GCE, WAEC, BGCSE, or exit examination scores from your region or country - All course titles, and the marks earned in those courses, should be reflected.
- Additional requirements are listed below:

***English Translation of Application Documents.*** If your transcript, exit exam, leaving certificate, or grade scale system is in a foreign language, an official English translation by World Education Services([www.wes.org](http://www.wes.org)) is required. Request the International Credential Advantage Package (ICAP) (Transcript + Evaluation) Document-by-Document Report only. Statement of results, provisional notifications of results, and website print out of results will not be accepted.

***Admissions essay.*** Howard University is interested in you as a person, as well as how you think and express your thoughts. Please submit a 500-word essay on a topic of your choice or "How can I contribute to the Legacy of Howard University".

***An official TOEFL Report.*** Only official reports from ETS will be accepted. Scores from the Test of English as a Foreign Language (TOEFL) <http://www.ets.org/toefl> are required for applicants whose native language is not English. Howard's school code is 5297.

- 550 on the paper-based test (PBT)
- 79 on the internet-based test(iBT)

In lieu of the TOEFL (if not offered in your country), applicants may submit results from IELTS (International English Language Testing System) with an overall score of a 6.5.

# GENERAL ADMISSIONS REQUIREMENTS

**Statement of Financial Resources Form.** The “1st Year” column must be completed, using the “General Undergraduate” figures; it must be signed by you and your sponsor. If you are self-sponsored, you should sign on both lines. The form does not require a signature or stamp by a bank official.

## **Statement of Financial Resources**

**Form.** <http://www.howard.edu/enrollment/documents/admission/Statement%20of%20Financial%20Resources.pdf>

**Sponsor’s Letter.** The Sponsor’s letter must state the sponsor’s name, your name, relationship to the sponsor and the sponsor’s intent to be responsible for your expenses; if you are self-sponsored, you should submit a letter stating that you are sponsoring yourself

**Recent monthly bank statement.** If the statement is in a foreign currency, the US dollar equivalence and conversion rate must be stated. The balance must match or exceed the total completed in the “1st Year” column on the Financial Resources Form; a letter written by a bank is not acceptable. Residential address in your country of origin; PO Box only or commercial addresses are not acceptable.

**Issuance of I-20 (Certificate of Eligibility).** Immigration form I-20 (Certificate of Eligibility), needed to obtain a student visa, is not issued until the applicant has **(1)** been officially accepted by the University, **(2)** paid the enrollment fee, and **(3)** submitted a financial statement indicating how expenses will be met while attending the University.

Regulations of the Immigration and Naturalization Service require that all people on F-1 (student) visas pursue a full course of study at all times. This means that undergraduates must be enrolled in no less than 12 credit hours at all times. For additional information contact the Office of International Student Services (<http://www.howard.edu/internationalservices/default.htm>) at **(202) 806-4124**.

**University Housing.** International students who have been accepted at Howard University are not guaranteed housing. For additional information regarding housing, contact the Office of Residence Life at (202) 806-6131.

Howard University is authorized under federal law to enroll non-resident students.

## **International Students: Transfer**

A student who has completed academic studies at another college or university may be considered for transfer admission.

# GENERAL ADMISSIONS REQUIREMENTS

***International Transfer Students: Academic Eligibility.*** The minimum standards for admission consideration as a transfer student are:

- A passing grade of C or better in both a college-level English and college-level math course
- A minimum of 15 credits (30 credits for the School of Business) from an accredited post-secondary institution
- 2.5 cumulative grade point average (GPA) (3.0 GPA for the School of Business)

**The following documents are required for admission consideration:**

- 1.) An on-line application is preferred with non-refundable US\$45 application fee. Personal checks  
are not accepted. Application fees are not waived.
- 2.) One letter of recommendation from a teacher or professor.
- 3.) Official transcripts from all post-secondary institutions. If your transcript is in a foreign language or grade scale system, an official English translation is required by the World Education Services([www.wes.org](http://www.wes.org)) requesting the International Credential Advantage Package (ICAP) (**Transcript + Evaluation**) Course-by-Course (with GPA & course levels) Report only.
- 4.) An official TOEFL- Howard's school code is 5297. Only official reports from ETS will be accepted. Scores from the Test of English as a Foreign Language (TOEFL) are required for applicants whose native language is not English. Once the application is received, a member from EM/Admission will inform the student if he/she must take this test.
- 5.) In lieu of the TOEFL (if not offered in your country), applicants may submit results from IELTS (International English Language Testing System) with an overall score of a 6.5.
- 6.) Statement of Financial Resources Form; the first column must be completed, using the figures shown for your student status. It must be signed by you and your sponsor. If you are self-sponsored, you should sign on both lines. The form does not require a signature or stamp by a bank official

# GENERAL ADMISSIONS REQUIREMENTS

## Statement of Financial Resources (PDF)

- 1.) Sponsor's letter stating the sponsor's name, your name, relationship to the sponsor and the sponsor's intent to be responsible for your expenses; if you are self-sponsored, you should submit a letter stating that you are sponsoring yourself.
- 2.) Recent monthly bank statement; if the statement is in a foreign currency, the US dollar equivalence and conversion rate must be stated. The balance must match or exceed the total completed in the right column on the Financial Resources Form; a letter written by a bank is not acceptable.
- 3.) Residential address in your country of origin; PO Box only or commercial addresses are not acceptable.
- 4.) International Students transferring from a college/university within the United States must also send:
- 5.) Copy of your I-94 and current I-20.
- 6.) Color copy of your passport photo page and visa page.
- 7.) Transfer Form completed by the immigration advisor at your current school

## Mail all required documents to:

Howard University  
Office of Admission  
2400 Sixth Street NW, Suite 111  
Washington, DC 20059

Immigration form I-20 (**Certificate of Eligibility**), needed to obtain a student visa, is not issued until the applicant has **(1)** been officially accepted by the University, **(2)** paid the enrollment fee, and **(3)** submitted a financial statement indicating how expenses will be met while attending the University.

Regulations of the Immigration and Naturalization Service require that all people on F-1 (student) visas pursue a full course of study at all times. This means that undergraduates must be enrolled in no less than 12 credit hours at all times. For additional information contact the Office of International Student Services at (202) 806-4124.

International students who have been accepted at Howard University are not guaranteed housing. For additional information regarding housing, contact the Office of Residence Life at **(202) 806-6131**.

**Howard University is authorized under federal law to enroll non-resident students.**

# GENERAL ADMISSIONS REQUIREMENTS

## Other Categories seeking undergraduate admission:

### Former Students Returning (FSR)

Students who are not enrolled during the current semester (summer session not included), but who have previously attended Howard University are classified as Former Students Returning (**FSR**).

**FSRs** must submit an application following the appropriate application deadlines. An application fee and enrollment fee are not required. **FSRs** absent from the University for two or more years must also submit a health evaluation form and receive a medical clearance from the University Student Health Center before they can complete the registration process.

Students who cease to attend the University for one semester or more, whether or not voluntarily, are subject to all regulations and requirements in force at the time they resume their studies, unless other arrangements have been agreed to by the dean and recorded in writing before their absence.

In general, **FSRs** are readmitted to the last school in which they were enrolled at Howard University. Applicants must submit an official transcript from each post-secondary institution attended since last enrolled at Howard to the Office of Admission. Credit will be awarded for those courses taken that are comparable to courses offered at Howard University in which the student has earned a grade of C or better.

Before readmission is granted, students who are absent from the University for the following reasons must fulfill the corresponding requirements.

Withdrawn for health reasons- Clearance from the University Student Health Center must be obtained, such correspondence should be directed to the Administrator, University Student Health Center, 2139 Georgia Ave NW, 2nd Floor, Howard University, Washington, DC 20059.

Academic Suspension-Students who are academically suspended must seek reinstatement through the college or school from which they were suspended. If reinstatement is granted by the school or college, students must then complete all readmission processes required by the Office of Admissions and the Registrar. In most instances, suspended students must be out of school for at least one semester to submit a reinstatement petition. Suspended students are encouraged to meet with their academic adviser to discuss the reinstatement petition process, deadlines, and eligibility requirements at least one semester prior to their desired readmission date.

Disciplinary suspension and/or withdrawal -Readmission may be sought for any period following expiration of the suspension period.

# GENERAL ADMISSIONS REQUIREMENTS

All voluntary withdrawals-Persons who withdraw voluntarily must follow readmission processes outlined by the Office of the Admissions.

Once a student graduates, he/she may not return to the same school or status as an undergraduate, but must be considered either graduate/professional, unclassified, or seeking another undergraduate degree and must pay the applicable application fees.

## UNCLASSIFIED STUDENTS

Unclassified students are non-matriculating student who wish to complete courses during the spring or fall semester. Typically students who require completion of pre-requisite courses to begin a specific course of study are considered unclassified.

## VISITING STUDENTS

Visiting students who plan to enroll at Howard University must complete and submit the following:

- [Application for Admission](#)
- Non-refundable \$45 application fee, paid by money order, cashier's check, or credit card only.
- At least a 2.50 GPA
- Official transcript

A letter of permission from the home school. The letter should include the student's GPA and a list of courses the student is authorized to take. Applications will not be processed until such letter is received.

Visiting students who are admitted to Howard University must pay a \$300 non-refundable enrollment fee to secure their place in the class. Visiting students are considered for housing once they have been accepted and have submitted an application for housing and a \$50 housing application fee (housing is not guaranteed). Visiting students can matriculate for a maximum of one academic year.

## SUMMER SCHOOL

Requirements for Enrollment/registration

### Enrollment Fee

Admitted students who intend to enroll at Howard University pay a \$300 non-refundable enrollment fee by May 1st to secure their place in the class.

Housing Fee. Students are considered for housing once they have been accepted and have submitted an application for housing and a \$50 housing fee.



# GENERAL ADMISSIONS REQUIREMENTS

## **Report of Medical History.**

All students are required to submit a completed Report of Medical History, proof of immunity to vaccine-preventable diseases. All students entering the University for the first time and those returning after an absence of one or more semesters are required to submit a completed health examination (Entrance Medical Record). Students will not be allowed to register for classes if their enrollment and medical forms have not been returned by the announced deadline date. Failure to submit the forms on time may result in the student's having to register during late registration and paying a \$175 late registration fee. The University reserves the right to deny registration to any student or prospective student who, in the judgment of the officials of the University Health Service, is suffering from a condition of illness that would be inimical to the health of others. In such cases, the recommendation of the University Health Service is final.

## **BisonWeb**

BisonWeb (<http://www.howard.edu/bisonweb/>) is the official self-service portal that all students should use to review student accounts and financial aid; course registration each semester; academic records; and apply for graduation.

## **Contact Information Requirement.**

Upon enrollment students must report all appropriate addresses via BisonWeb. Grades, material for registration, and other materials will be mailed periodically to the student's local address. Failure to maintain a current address with the Office of Enrollment Management/Records may not be used as an excuse to avoid late registration fees or discharge.

## **English (Freshman Composition) Placement**

All students are expected to complete their writing requirements within their first-year of attending Howard. Students will be block registered based upon a set of criteria.

**Criteria #1)** If you scored below 450 on the SATW or below 18 on the ACTE, you will be blocked registered for a ENGL 002 course with a writing skills lab. Once you complete the course with a C or better, then you will be allowed to progress to ENGL 003. Once you complete the course with a C or better, then you will have completed your first-year writing requirement.

**Criteria #2)** If you scored between 450 – 509 on the SATW or between 25-18 on the ACTE, you will be block registered for a traditional ENGL 002 course. Once you complete the course with a C or better, then you will be allowed to progress to ENGL 003. Once you complete the course with a C or better, then you will have completed your first-year writing requirement.

# GENERAL ADMISSIONS REQUIREMENTS

**Criteria #3)** If you scored a 510 or higher on the SATW or 26 or higher on the ACTE, you will be blocked registered for ENGL 004. Only those students who have been admitted into COAS Honors program will be registered for ENGL 075. Once you complete ENGL 004 or 075 with a C or better, then you will be allowed to progress to ENGL 005. Once you complete ENGL 005, you will have completed your first-year writing requirement.

**Note:** *Students who have been invited to the COAS Honors Program and who have NOT met the requisite scores for 004 will be registered for 002.*

## Mathematics Placement

The Math Placement Examination (MPE) is administered through McGraw-Hill's Assessment and Learning in Knowledge Spaces (ALEKS) program. ALEKS is a web-based, artificially intelligent assessment and learning system that quickly and accurately assesses a student's level of mathematic proficiency. ALEKS provides the advantages of one-on-one instruction, 24/7, from virtually any web-based computer. Upon completion of the initial diagnostic assessment, a customized learning plan will be generated for each student. Students will be able to complete their learning plan prior to taking the mandatory on-campus Math Placement Exam during New Student Orientation. The MPE results will determine math course eligibility and placement. Academic Advisers will be available during New Student Orientation to answer questions regarding major/program requirements.

### Students meeting the following criteria are exempt from the Math Placement Exam:

- Score of "3" on the Advanced Placement (AP) Calculus AB exam – eligible to enroll in Calculus I
- Score of "4" or higher" on the Advanced Placement (AP) Calculus AB exam – will earn credit for Calculus I
- Score of "3" on the Advanced Placement (AP) Calculus BC exam – will earn credit for Calculus I, eligible to enroll in Calculus II
- Score of "4 or higher" on Advanced Placement (AP) Calculus BC exam – will earn credit for Calculus I and Calculus II

## World Language Placement

The Language Placement Examination (LPE) is administered to every student who has a language requirement for their Major.

The LPE is administered through AVANT's Placement Assessment program. AVANT's Placement Assessment is a web-based, artificially intelligent assessment and learning system that quickly and accurately assesses a student's level of language proficiency in Arabic, Chinese (Traditional and simplified), Spanish, French, German, and Japanese. AVANT provides the advantages of grouping and placing students, 24/7, from any web-based computer. AVANT's Placement Assessments are quick, convenient, and engage students with real-world content in Reading, Contextualized Grammar, Writing, and Speaking.

# GENERAL ADMISSIONS REQUIREMENTS

The **LPE** must be taken prior to enrollment/registration, or no later than the first week of class. Exceptions can be made through Study Abroad, Transferred Credits, and/or further placement testing. All language courses must be taken in proper sequence (e.g. "Language" 001, "Language" 002, "Language" 003, "Language" 004).

Exemptions from foreign language requirement will be made based on proctored placement examination taken on site at Howard University.

The **LPE** results will determine language course eligibility and placement. Academic Advisers will be available during New Student Orientation to answer questions regarding program requirements.

## **Students meeting the following criteria are exempt from the Language Placement Exam:**

- Score of "3" on the Advance Placement (AP) Target Language exam – exempt from Languages 001-004.
- Score of "4" or "5" on the Advance Placement (AP) Target Language exam – Receive credit for Language 040.
- Score of "5" on the Advance Placement (AP) Target Language exam – Receive credit for Language 040 & Language 050.

The **LPE** results are valid for one academic year (two semesters). The **Department of World Languages and Cultures** has the right of final approval of the accuracy of placement. For additional information contact **Prof. Vernessa White-Jackson** ([vwhite-jackson@howard.edu](mailto:vwhite-jackson@howard.edu)), Interim Chair, Department of World Languages or **Prof. Mercedes Tibbits** ([mtibbits@howard.edu](mailto:mtibbits@howard.edu)), Coordinator.

## **Undergraduate Transfer Credit Policy**

Howard University accepts academic courses from regionally accredited colleges and universities as transfer credits. For new student entering Howard University, and upon receipt of the student's official transcript (s), transfer credits will be evaluated by using the following criteria.

- Transfer courses must be of comparable content, academic level, and scope to the curricular offerings at Howard University.
- Credit hour (s) assignment to transfer courses will be semester credit hours. If the originating institution is other than the semester system, the appropriate conversion of credit hour (s) will take place by the Office of Enrollment Management.
- Students must have earned a grade of "C" or higher in academic courses in order for the courses to be transferred to Howard University.
- For transfer course credits that are discipline specific, the Office of Enrollment Management will request a review and assignment of the transfer credits by the specific discipline.
- The maximum number of credit hours that can be transferred from a two-year community college is 60 semester credit hours; and, the maximum number of credit hours that can be transferred from a four-year college is 90 semester credit hours. (Note: Howard University requires that the last 30 credit hours for an undergraduate degree be taken at Howard University).

# GENERAL ADMISSIONS REQUIREMENTS

- Credit hours are transferable to Howard University, not grades. Therefore, grades for academic courses transferred will not be included in the overall GPA of a student.
- All transcripts from international institutions must be evaluated by World Educational Services (WES)

## **Credit by Advanced Placement (AP) Examination:**

New students entering Howard University may receive course credit for academic courses completed in secondary schools under the Advanced Placement Program administered by the College Board.

- AP score must be sent directly from the College Board to the Office of the Enrollment Management
- AP credit hours are awarded by Howard University according to the chart ([List the link for AP scores and credit hours awarded here](#)).
- In each subject for whom credit is sought, a minimum score of 3 is required. However, some departments may require a score of 4 or 5 to receive the transfer credit for an AP examination.

## **Credit by International Baccalaureate (IB) Examination:**

Howard University will evaluate and award course credits for an IB examination score, based on the following criteria.

- Submission of an IB certificate directly to the Office of Admissions
- Score of 4 or better on IB exam will result in awarding credits for the first level of the course.
- Score of 5, 6, or 7 –award first and second levels of the course (e.g. Biology Higher Level score of 5, 6, or 7 and receive credit for Biol 101 and 102).

## **Credit by Caribbean Advanced Proficiency Examination:**

Howard University will award transfer credits as follows for scores ranging from 1-3

- Unit 1 = 1 course in specified curriculum/discipline sequence
- Unit 2 = w courses specified curriculum/discipline sequence

## **Academic Advisement**

Students enrolled in all undergraduate schools and colleges are assigned faculty or staff advisors to assist them in planning and following a sound program of study. Students are encouraged to contact their advisor on any matters related to their educational programs. The role of the academic advisor goes beyond providing assistance to students in selecting and scheduling classes. The scope of the advisor's responsibility typically includes any areas that affect or are related to academic success, such as goal-setting, career planning, academic issues, personal concerns, financial support, and general guidance to facilitate personal growth. Students who have not selected a major should contact the Office of Undergraduate Studies for a consultation.

# GENERAL ADMISSIONS REQUIREMENTS

## Registration

All students must register for classes during the periods announced in the official University Calendar. Students who fail to register will not be permitted to attend classes, and their names will not appear on official class lists. BisonWeb is the official self-service portal that all students will use to register for their courses each semester. Directions on how to register are available on the BisonWeb webpage at <http://www.howard.edu/bisonweb/>.

## Intra-University Transfers

**(FOR CURRENTLY ENROLLED UNDERGRADUATE STUDENTS ONLY)**

- 1.) Student obtains Intra-University Transfer Form from the Dean's Office of the School/College to which he/she is transferring.
- 2.) Upon receipt of this application, the Dean of the College/ School receiving the transferee will obtain any information needed from the College/School from which the applicant is transferring and determine whether the student qualifies for transfer.
- 3.) The Dean's Office will forward the approved form to the Office of the Registrar.
4. All applications for Intra-University transfers must be completed and "approved" by appropriate officials before submission. They must be received in the Office of the Registrar by the first day of classes of the semester.

## Alternate Pins

All continuing students require an Alternate Pin to register, with the exception of graduate students in the School of Business and the College of Nursing and Allied Health. Students must meet with their academic advisors in their School or College to obtain their Alternate Pin.

## Course Waitlist

When a section of a course fills to the enrollment limit, students attempting to register through BisonWeb will receive a registration error message that a waitlist exists. The student will then be given the option of adding themselves to the waitlist for the course. If a student already enrolled in the course should drop, that seat will not become available for registration through BisonWeb if there is an active waitlist for the course. Obtaining a space on a waitlist should not be interpreted as a guarantee of getting a seat in the course.

# GENERAL ADMISSIONS REQUIREMENTS

Students must attempt to register for the course via BisonWeb in order to be offered the waitlist option. When a seat becomes available, the first student on the waitlist will receive an email notification to their preferred email address (students can confirm their preferred email address on BisonWeb) when a seat becomes available. A student will have 24 hours from the time of the email to register for the class through BisonWeb, between the hours of 9AM and midnight each day. It is the student's responsibility to check their preferred email once on a waitlist. If they do not register for the class during that time period, the seat will be offered to the next student on the waitlist. Students **MUST** have an email address on file or they will not receive the notification and lose their opportunity to register.

## BisonWeb Registration Errors

When attempting to register for courses via BisonWeb students may encounter errors that prevent registration. Restrictions have been applied to courses for various academic and administrative reasons. Please see the following registration error messages:

BisonWeb Error	Description
"C"	Course is filled to capacity. Please choose an available section of the course. You may also choose to waitlist the course if this option is available. Students may submit a request for a capacity override during the Change of Program Period in August. Please note that students on the waitlist will be given priority consideration for course override approval.
"SR"	You are not eligible to register. Please review your student status. Please refer to the General Registration Schedule and the University Calendar for registration availability information.
CRN is invalid	Please refer to the <a href="#">Schedule of Classes</a> for the correct CRN.
Holds on your record that prevent registration	Registration is prohibited due to student account holds. To view holds via BisonWeb, select "Student Records", then "View Holds". You will not be able to register until all holds that prevent registration have been released. Only the office that placed the hold on the account can release it.
Instructor Signature	You must contact the course instructor to obtain written permission to register for the class. To permit registration via BisonWeb the registration approval should be submitted to your academic advisor for processing.
Link Error	See the Schedule of Classes to determine if a course is linked to another (Lab, Lecture or Activity). If linked, you must enroll in both courses at the same time. You can also select the "Class Search" button and search for the appropriate link.
Maximum Hours Exceeded	Undergraduates in good academic standing are limited to a specific number of credit hours per semester depending on their School or College. You must meet specific requirements to request that your maximum credit hours be increased. Approval from the appropriate Academic Advisor or Dean must be received in the Office of the Registrar to increase your maximum credit hours. Excess tuition rates may be associated with registering beyond the specific maximums.
Prerequisite and Test Score Error	A prerequisite course or exam score is required for enrollment in this class. Your Academic Advisor will determine if an override is warranted. Your advisor should process a system override, if approved. A Course Override Form should not be submitted for this restriction.
Course Restrictions	FIELD OF STUDY - MAJOR/MINOR/CONCENTRATION: This course is restricted to certain majors, minors, or concentrations. The major department is the only office that can give permission to register. CLASS: This course is restricted to certain classifications (e.g., Juniors or seniors). The department must allow access to this course. COLLEGE: This course is restricted to a certain college. Permission must be granted by the School/College. Department: Contact the office of the academic department offering the course to obtain permission to register for the class. The department or your advisor should process a system override, if approved.
Time Conflict	BisonWeb does not allow students to register for courses that either meet at the same time or overlap. Written approval from the instructor of record is required and should be given to your academic advisor to receive permission to register via BisonWeb. A Course Override Form does not have to be submitted for Time Conflict restrictions.
Special Grading Options (Audit, Pass/Fail)	Courses that have more than one grading option automatically default to the standard letter grade mode, (A-F). If a different grading mode is desired, such as Audit, the change must be requested using a Change of Program Form. Please obtain this form from your department.
Academic Standing prohibits registration	You may be academically suspended. Please review your academic history via BisonWeb and contact your Academic Advisor for additional information.
You are not permitted to register at this time	Course registration via BisonWeb is available at 9AM on designated days. Please refer to the General Registration Schedule and the University Calendar for registration availability information.

## Course Waitlist

When a section of a course fills to the enrollment limit, students attempting to register through BisonWeb will receive a registration error message that a waitlist exists. The student will then be given the option of adding themselves to the waitlist for the course. If a student already enrolled in the course should drop, that seat will not become available for registration through BisonWeb if there is an active waitlist for the course. Obtaining a space on a waitlist should not be interpreted as a guarantee of getting a seat in the course.

# GENERAL ADMISSIONS REQUIREMENTS

## **Course Overrides**

The course override capability exists for the sole purpose of accommodating those relatively few students who are given permission to either (a) enroll in a class that is “closed,” or (b) enroll in one or more classes that have reasonable time conflicts within the student’s schedule.

Course overrides must be approved by the person(s) designated by course instructor and the Dean or his/her designee of the respective School/College in accordance with procedure(s) established by such School/College/Division.

## **CHANGE OF PROGRAM: AUDIT, VARIABLE COURSE CREDITS, PASS/FAIL**

Students who wish to change courses to audit or to increase the credits on a variable course must complete a change of program form. Signatures of approval of the academic dean and the course instructor must be obtained. The last day to add and/or drop courses is published every semester in the University calendar.

If a student is enrolled in a course for audit or pass/fail and wishes to change to credit, that student must drop the course for audit or pass/fail and add the course for credit. The last day for such a change is published every semester in the University calendar.

Failure to comply with this change of program procedure may result in a failing grade for courses students have assumed they have dropped or no grade for courses they thought they added. All changes must be made in accordance with the established deadlines.

## **PASS/FAIL REGULATION**

Sophomores, juniors, and seniors with a cumulative average of 2.0 or higher who enroll in at least 12 semester hours per semester, may elect to enroll in one course per semester on a pass/fail basis. This pass/fail option is restricted to electives exclusively and is not permitted for courses that fulfill major and minor course requirements. Students will receive a passing designation if his/her work in the course rates as “D” or better and a failing designation if his/her work in the course rates below “D”. Except for students in the School of Business, courses passed under the pass/fail system will count towards graduation requirements. FAILING GRADES WILL BE INDICATED ON THE ACADEMIC RECORD; however, neither the passing grade nor failing grade will be computed in the grade point average. Students electing to take a course pass/fail cannot later petition to receive a grade in the course. Until further notice the Pass/Fail Regulation is on an experimental basis and is reviewed annually.

## **CHANGE OF PROGRAM FEE**

All charges for change of program that affect your enrollment status must be paid to avoid late charges. Students officially withdrawing, suspended, dropped, or decreasing or increasing their credit hours after the registration period may expect to have charges for tuition and fees adjusted on a prorated basis.

# GENERAL ADMISSIONS REQUIREMENTS

## **WITHDRAWAL FROM A COURSE**

The last day to withdraw from a course is published in the University Calendar. Withdrawals are not permitted later than 4 weeks prior to the end of the semester, including the final examination period. A student may withdraw from a course up to 8 weeks after the first day of instruction and receive a grade of "W" (withdrawal). Seniors, juniors, sophomores and graduate students without registration holds complete course withdrawals on BisonWeb. Freshmen and students with holds that prevent registration will need to complete a Change of Program form and obtain a signature from your academic advisor. Please see your academic department for this form. Change of Program Forms may be obtained from the Office of Undergraduate Studies or the Office of the Academic Dean of each school/college.

Mere absence from class does not constitute withdrawal. A properly executed Change of Program Form, Total Withdrawal Form or BisonWeb process must be used to effectuate all drops, withdrawals, adds, section changes, or course enrollment status changes. Students will receive a failing grade for courses in which they discontinue attendance without completing the required withdrawal process.

## **WARNING ON DROPPING COURSES:**

Students who wish to drop all courses for which they have registered (even though they may be taking only one course) must submit a Total Withdrawal form to officially drop all courses in which currently enrolled. (In this instance, the drop/add procedure should not be used.)

## **REMOVAL OF INCOMPLETE GRADES**

Students for whom an incomplete grade has been reported must remove the incomplete grade prior to the last day of classes the next semester in which the student is enrolled, unless the student requests, and is granted, an extension. Failure to meet this deadline will result in the incomplete grade becoming a permanent grade. A request for an extension should be made to the dean of the College, in writing, at least 10 days before the last day of classes.

## **ATTENDANCE**

All officially enrolled students are expected to attend classes regularly and promptly. Students who are absent from classes or laboratory periods are still responsible for completing course requirements. Students with extenuating circumstances that prohibit their adherence to the course calendar may seek permission from their instructors to complete outstanding course requirements, examinations, etc. Students who neglect to seek permission or whose requests are denied will receive the grade earned as determined by the course instructor.



# GENERAL ADMISSIONS REQUIREMENTS

## TOTAL WITHDRAWAL PROCEDURE

Students who find it necessary to withdraw from all of their classes for the current semester or for a subsequent semester for which they have already registered must complete a Total Withdrawal Request Form. This form must be submitted by the end of the 12th week of classes for the semester in which they wish to withdraw. The withdrawal form and instructions are available from the Dean or Advisory Center of each school or college. Students who are physically unable to complete the withdrawal in person and students who are administratively withdrawn should contact their dean or advisor for assistance. Students considering a total withdrawal should note the following:

The effective date of the withdrawal will be the date on which Office of the Registrar receives the completed withdrawal request form.

By registering for courses, students accept financial responsibility for payment for those courses and for any other charges incurred while they are enrolled.

Financial aid may be adjusted or canceled as a result of withdrawal and may require repayment of loan funds. Adjustments to financial aid awards will be calculated according to University and Federal refund guidelines based on the official withdrawal date.

Once the withdrawal has been completed, students will receive a grade of "W" for each course if the withdrawal is submitted after the Change of Program period.

Students who reside in University housing are required to check out of their residence hall within 24 hours of completing the total withdrawal process.

Completing a total withdrawal from the University requires that students surrender all University property, including, but not limited to library books, room keys, computer cards, and identification/access cards.

Students who complete a total withdrawal from the University must reapply for admission to the University by published application deadlines.

Students who wish to complete the Total Withdrawal Process should follow the steps listed below.

Access the Total Withdrawal Process via

<http://www.howard.edu/enrollment/registration/withdrawal.htm>

Enter your name and preferred e-mail address as well as the Howard issued e-mail address for the appropriate offices. Please see ***total withdrawal contact***.

# GENERAL ADMISSIONS REQUIREMENTS

The system will automatically generate an access code and forward the access code to your email account. Enter that access code to continue.

Read and verify the terms and conditions, then select review document.

Complete all required fields highlighted in red. Once all the required fields are complete, please select confirm signing on the left side of the document.

Once you have confirm signing, your request will be routed to the appropriate offices, Please note there is an optional save feature that allows you to check the status of your request.

Students who register during General Registration for the upcoming semester and determine before the beginning of that semester that they will not be returning, must complete a Total Withdrawal Form for that upcoming semester. The signature of the Dean or Dean's designee is required. The Office of the Registrar (located in Suite 104 in the Administration Building) is the last office to sign the Total Withdrawal Form.

If you need to make the effective date of your Total Withdrawal prior to the date you actually begin the process, due to extenuating circumstances; you must get special approval to do so. The first step is to visit the office of the Dean or academic advising center of your school or college. You should take with you documentation to support your request (e.g., a letter from your doctor). If the request is supported by your school or college, it will be forwarded to the Office of the Registrar to be considered for approval.

## **READMISSION AFTER A TOTAL WITHDRAWAL**

Undergraduate students who complete a total withdrawal and wish to return to Howard University after an absence of one semester or more are required to apply for readmission (no Application Fee or Enrollment Fee is required).

**NOTE:** Any withdrawing student planning to return for the semester immediately following the withdrawal must check with the Office of Admission for information regarding re-enrollment. For further general information on Total Withdrawal, contact the Dean of your school/college.

## **EXPENSES & FINANCIAL AID**

### *Office of the Bursar*

Processes Remission of Tuition and all financial aid awards, except private funds given directly to the student. Authorizes payment of University-administered financial aid awards to a student's account (e.g. loans, scholarships, grants, remission of tuition, grants). The Office of the Bursar also processes credit balances (aka "refund checks") as well as refund and tuition adjustments; handles "special billing," (e.g., the official billing (or invoicing) of Embassies or other appropriate agencies or organizations responsible for paying the educational expenses of particular students).

# GENERAL ADMISSIONS REQUIREMENTS

This office is responsible for entering late charges, institutional residential, parking and library fines, to the account of the student who incurs same.

The Office of the Bursar processes promissory notes provided by the Office of Financial Aid for University Emergency loans. Initiates and Processes promissory notes for Direct Student Loans, Perkins Federal Loans, Health Professions –Medicine, Dentistry, Pharmacy, and Nursing loans, as well as long-term University loans. The office processes student deferment forms as well as repayment of University and Federal loans.

## **Costs/Payment**

Educational costs depend on a student's program of study, the number of hours enrolled and living expenses. Costs for full-time tuition and fees vary based on a student's school/college and program. Students will not be allowed to receive financial aid in excess of their cost of attendance, regardless of the sources of funds. This includes, but is not limited to: federal, state, institutional, donor or external grants, gifts and scholarships. Current information about the University's tuition and fees is available at <http://www.howard.edu/studentfinancialservices/accounts/tuitionandfee.htm>.

All charges must be paid in full by the due date: Fall semester, July 1st and Spring semester, December 1st. Any outstanding balances will be assessed a \$100 late payment fee each month the balance remains and any other applicable late fees.

## **Installment Plan**

Howard University offers several payment options for students and their families for the fall and spring semesters. Summer sessions must be paid in full at the time of registration. There are no payment plans or alternate payment options available for summer enrollment. Students and their families are provided with payment plan options each year which are subject to change. These payment options are generally provided via an online servicer who will accept most forms of debit/credit cards, wires and electronic checks.

## **Payment Methods**

Payments may be made by credit card (Visa, American Express, MasterCard, Discover), cash, money order, cashier's check, certified check or wire transfer. A \$35.00 fee will be charged for all reversed credit card payments and returned checks. Subsequent checks will not be accepted. Checks and money orders should include the student's name and Howard University Identification Number.

## **Financial Aid**

Financial aid assists with offsetting educational expenses. The federal and state governments as well as post-secondary schools are public sources of aid, while civic groups, clubs, and religious organizations serve as private sources of aid. Financial aid is classified into three basic types:

# GENERAL ADMISSIONS REQUIREMENTS

1) grants and scholarships are 'gift aid' which are funds awarded that are not required to be repaid; employment is work, either on or off campus that you find through campus student employment services or on your own initiative; and a loan is money borrowed from the federal or state government, the University or an alternative lender that must be repaid, including interest.

Financial aid is distributed according to a variety of eligibility criteria within three categories: need-based aid and non-need-based aid and talent-based aid. Students are awarded need-based aid to assist in the difference between the total cost to attend the University full time and the amount of their family's contribution as determined by the federal government. Non-need based aid may be used to replace the family contribution if a student meets the necessary eligibility criteria, which may vary depending on the program and is generally based on merit (e.g. GPA). Talent-based aid is usually awarded via University-sponsored programs.

Financial aid is awarded based on financial need. At Howard University, more than half of all students receive some form of financial aid. The total amount of financial aid (need and non-need based) awarded to a student cannot exceed his or her total educational costs. Individual program requirements vary and funds are limited, therefore a student's total financial need may not always be met.

## **Most programs require that a student:**

- Is a U.S. citizen or eligible non-citizen and have a valid social security number. (Individuals in the U.S. on F1, F2, J1, and J2 visas are ineligible).
- Be enrolled at least half-time in an eligible degree or certificate program.
- Demonstrates financial need as determined by review of the Free Application for Federal Student Aid (FAFSA).
- Not be indebted to any institution for repayment of any federal grant (Pell or SEOG) or in default on any federal loan (Perkins or Direct Loan).
- Male students born after December 31, 1959 who are at least 18 years old are required to register with the Selective Service System.
- Comply with the federal verification process, if necessary.

## **Amount of Financial Aid Awards**

The cost of attendance budget includes average amounts for all expenses to attend Howard University. These figures are based on the average living expenses in the Washington D.C. metropolitan area. Although many factors help to determine the amount a student receives, the financial aid award is based primarily on the student's demonstrated financial need.

A student's need is the difference between the cost of attendance and the amount students and their family are expected to contribute (EFC - expected family contribution). Once a student is admitted to the University, and his or her file is complete, the Office of Financial Aid will update the student's account which is viewable online via BisonWeb.

# GENERAL ADMISSIONS REQUIREMENTS

## What is a family's share?

A student and his or her family are primarily responsible for financing the student's education. They are expected to make a maximum effort to assist with college expenses. Students are also expected to contribute to their college expenses from sources that may include savings, summer earnings, monetary gifts from friends and relatives or other sources. Financial aid should be viewed as supplementary to the family's contribution.

## How is a family's share determined?

The income and asset information which a student (and his or her parents in the case of dependent students, or a spouse if married) provided on the FAFSA enables the U.S. Department of Education's Central Processing System (CPS) to determine the expected family contribution (EFC).

## MINIMUM CREDITS REQUIRED FOR FINANCIAL AID ELIGIBILITY

Fall/Spring Semester	Enrollment Status			
	Full Time	3/4 Time	1/2 Time	Less Than 1/2 Time
Undergraduate	12	9	6	3

**Note: Audited courses cannot be included in meeting the minimum required credit hours toward eligibility.**

## HOWARD UNIVERSITY REFUNDS AND ADJUSTMENTS OF TITLE IV FUNDS

Students who withdraw from the University within the first 60% of the semester will receive an adjustment to their student Financial Aid. This adjustment to a student's Financial Aid will be based on a percentage which represents the amount of time remaining in the semester, and will be applied to the total institutional charges assessed to the student, as well as the Title IV financial aid applied to the student's account.

# GENERAL ADMISSIONS REQUIREMENTS

The percentage that represents the amount of time remaining in the semester shall be determined by dividing the total number of calendar days in the semester not completed by the student by the total calendar days in the semester. The total calendar days in the semester begins with the first day of classes, ends with the last scheduled day of exams, includes weekends, but excludes scheduled breaks of five or more days and days that the student was on an approved leave of absence. No adjustments will be made to a student's Financial Aid if the percentage representing the amount of time remaining in the semester is less than 40%.

The University will refund the amounts due from the University and the student to the appropriate Title IV program in the following order:

1. Unsubsidized Federal Stafford Loans
2. Subsidized Federal Stafford Loans
3. Unsubsidized Federal Direct Stafford Loans
4. Subsidized Federal Direct Stafford Loans
5. Federal Perkins Loan
6. Federal PLUS Loans Federal Direct PLUS Loans

If unearned funds remain to be returned after repayment of all outstanding loan amounts, the remaining excess must be credited to any amount awarded for the payment period of enrollment for which a return of funds if required in the following order:

1. Federal Pell Grants
2. Federal SEOG
3. Other grants or loan assistance authorized by Title IV of the HEA.

The University will assume the responsibility for making the appropriate refunds to the Title IV programs for overpayments received by the student, as well as overpayments received by the University. It is the responsibility of the student to pay the University for these overpayments within 90 days of the date that the student withdrew from the University. Failure to repay the University the amounts of the overpayments will jeopardize the student's eligibility for further Title IV financial assistance at Howard University as well as other institutions of higher education.

## **SATISFACTORY ACADEMIC PROGRESS POLICY**

Three components of your academic record determine whether you are maintaining satisfactory academic progress: (1) course completion, (2) grade point average (GPA) and (3) maximum eligibility. The requirements in each area vary according to your status as an undergraduate, graduate or professional student, your school/college of enrollment, and your enrollment status (full-time, half-time, or less than-half-time). This federal policy affects your eligibility for all forms of assistance, including but not limited to, the following aid programs:

# GENERAL ADMISSIONS REQUIREMENTS

- Federal: Federal Work-Study,
- Federal Pell Grant,
- Federal Perkins Loan,
- Federal Direct PLUS Loan (Parent loan),
- Federal Supplemental Educational Opportunity Grant (SEOG),
- Graduate PLUS Loan,
- Federal Family Education Loan Program,
- Federal Direct Loan Program (Subsidized and Unsubsidized),
- Nursing Student Loans and;
- Health Professions Loans and Grants.

**Private Loans:** Students on SAP may only apply for private loans that do not seek a student's academic progression (or lack thereof) a necessary criterion. This is often done by conducting an internet search.

If AP's are not received within a timely manner, this will subsequently affect the disbursement of a student's aid for that particular semester. If a student changes their classes (by adding or dropping) within the same semester, they must resubmit their AP to the Office of Financial Aid noting the necessary changes and their academic advisor must e-sign those changes. At the conclusion of each semester, a student's performance will be assessed upon the following criteria:

## Completion Ratio

Your enrollment status is reviewed at the conclusion of each academic semester (fall and spring) to verify that you have earned the required minimum number of credits during fall and spring semesters. You are required to complete at least 70% of all attempted hours of coursework each academic semester. (E.g. If a student registers for 15 credit hours in the fall semester; 5 (3 credit) courses, they must pass each course with a letter grade of "C" or better.) Grades or indicators of 'F' (Fail), 'I' (Incomplete), 'U' (Unsatisfactory), 'UW' (Unofficial Withdrawal), 'NR' (Never Reported) all count against your completion ratio. Repeated coursework may not be used in the calculation of your completion ratio and is not covered by financial aid.

Satisfactory Academic Progress will now be evaluated on a per semester basis. It will no longer be evaluated on an annual basis. Once a student finds themselves as being on 'financial aid suspension' per email notification and by checking their BisonWeb account, they then are to initiate the appeal process. Once an appeal has been received, reviewed, and approved by members of the office's Professional Judgment Committee, students must also submit an Academic Plan (AP) to be electronically signed and acknowledged by their major advisor. The AP must have the advisor's signature on it to confirm they have approved the courses a student plans to take and successfully pass in the upcoming semester.

# GENERAL ADMISSIONS REQUIREMENTS

## **Cumulative Grade Point Average (GPA)**

As an undergraduate student, your per semester grade point average (GPA) will be reviewed. Freshmen students with a GPA lower than 2.0 at the conclusion of the fall semester will be placed on Financial Aid Probation. Regardless of the program of study, students who do not meet the required minimum GPA requirements (or academic standards) of the program are automatically SAP suspended.

## **Maximum Eligibility**

A student will maintain financial aid eligibility for a specified period of time. Undergraduate students must complete their chosen academic program within 150 percent of the number of credit hours required for graduation or successful completion. (For example, an undergraduate student may attempt a maximum of 191 credit hours for a program requiring 127 hours for graduation.)

Undergraduate students will be notified when they are within 24 credit hours of reaching the expiration of their financial aid eligibility. Students must continue their studies at their expense they have reached their maximum eligibility.

## **Financial Aid Probation**

If at the end of the semester a student is listed as being on PROBATION of any kind (e.g. Probation for Credits, Probation for Grades and Probation for Grades/Credits), the student is still eligible to receive aid for the next semester. A student's probationary status is a warning that he or she must meet all SAP criteria for any subsequent terms of attendance in order to maintain financial aid eligibility. A student does not need to appeal this status in order to receive aid. Financial aid probation will occur for a student's next academic semester of attendance if he or she fails to earn the minimum number of credits and/or the GPA required. Such students may continue to receive financial aid while on financial aid probation.

## **Types of Financial Aid Suspension**

Your financial aid eligibility will be suspended if you fail to earn the necessary credits or achieve the required GPA while on financial aid probation. At that time, you will no longer be eligible to receive financial aid to attend Howard University. To reinstate your financial aid eligibility, you must appeal to the Office of Financial Aid by the proposed deadline per semester. If a student's appeal is denied for whatever reason, they then may re-enroll and successfully complete the courses they have registered for at their own expense, at least for one semester. At the conclusion of that particular semester, students may then re-appeal to the Office of Financial Aid explaining in a detailed type-written narrative to then request to have their aid reinstated. Students cannot receive financial aid if they do not meet the necessary criteria. Students who have been suspended consecutively will be ineligible for aid reinstatement until they have covered the courses they have registered for at their own expense. Students are more than welcome to seek other sources of funding that include alternative loans that do not consider SAP to be a criterion.



# GENERAL ADMISSIONS REQUIREMENTS

## Academic Suspension

You are not eligible to receive financial aid if you have been de-matriculated (academically suspended) from the University. When you have been readmitted by the University; a process students must complete with the Office of Admission, as a Former Student Returning, you must complete the SAP appeal process. Your financial aid eligibility status will be determined based on the SAP criteria and a thorough review of your academic transcript.

## Exclusions

The following types of registration and grades cannot be used to fulfill probation, suspension or re-matriculation requirements: credits by special exam, Advanced Placement or CLEP exams, distance education or correspondence courses for which you have not obtained prior approval, audit, withdrawal, incomplete and zero credit courses.

## Appeal Process

You may appeal a financial aid suspension status by submitting a completed appeal packet to the Office of Financial Aid within 14 calendar days from the date of your notification. It is the responsibility of the student to follow up with their advisor as often as possible, throughout the semester, by checking their BisonWeb account for updates by checking their financial aid eligibility from one semester to the next, as well as their personal preferred email address for emails on pertinent deadlines and updates.

Types of suspension that **CAN BE** appealed by the appropriate deadline:

Suspension from the University - Student is academically suspended from the University.\*

Suspension for Credits - Student did not earn at least 70% of the credit hours attempted in the previous two (2) academic years.

Suspension for Grades\*\* - Student did not earn minimum GPA required for 'good standing' for previous two (2) years.

Types of suspension that **CANNOT** be appealed:

4 Year Undergraduate Suspension - Student has met or exceeded maximum degree timeframe (1.5 times the total minimum credit hours required for degree). 5 Year Undergraduate Suspension - Student has met or exceeded maximum degree time rame (1.5 times the total minimum credit hours required for degree) OR has more than 12 hours of incomplete credits.

SAP Appeal forms are available to suspended students via BisonWeb.

If you have failed to achieve SAP (Satisfactory Academic Progress) because of mitigating circumstances, your appeal packet must consist of the following:

# GENERAL ADMISSIONS REQUIREMENTS

- SAP appeal form with type of suspension indicated per your BisonWeb account,
- Detailed type-written narrative of what led to your suspension status, and explanation of what you intend to do to improve your plan of action, and:
- Copies of all supporting documentation attached.

Mitigating circumstances may include, but are not limited to extreme illness or injury, family crisis, or death of an immediate relative. The circumstances must be documented and will not be considered for approval without the supplemental documentation attached. Examples of documentation include medical documentation, birth or death certificates, etc. Please do not submit letters of stipulation from your school/college along with your appeal documents. If at the end of an academic school year, you have found yourself to be suspended, you may appeal to have your current SAP status reviewed by attending a summer session at Howard University and increasing your GPA or earned credits and then appealing once those grades have been submitted to the Office of the Registrar. It will not be until the summer courses are updated to your account that an evaluation of your courses can be made. Please monitor your BisonWeb account for appropriate updates as well as the email address you have provided on your appeal form. Summer credits will count toward determining your maximum eligibility for the next school year. You must complete the appeal process at the end of the summer term. Summer credits will count toward determining your maximum eligibility for next school year.

Once your appeal has been received and reviewed by the Appeals Committee, you will receive written notification of the committee's decision by email to the address you have provided in your appeal packet. You will also notice the appropriate changes made to your award package on your BisonWeb account. **Note:** All incomplete appeals will be denied. All appeal decisions are **final** and the submission of a SAP appeal does not guarantee reinstatement of aid eligibility. **Students who are currently SAP suspended are strongly advised to create alternate financial plans in the event your appeal is denied.**

## **Additional SAP Requirements**

If you are listed as being SUSPENDED FROM THE UNIVERSITY, the appeal process is two-fold. Step 1: You must appeal to your school/college as well as Step 2: the Office of Financial Aid. It is your responsibility to stay abreast of deadlines. Stipulation letters do not ensure financial aid reinstatement and one is not contingent upon the other. For further inquiries please contact the Office of Financial Aid at <http://www.howard.edu/financialaid/contacts/staff-finaid.htm>

Although you may not be receiving financial aid, you will be evaluated for financial aid eligibility on the same basis as students who receive federal and state aid. Should you apply for aid, your eligibility will be based on your prior academic performance at Howard University.

- If you are enrolled in a dual degree program, you may appeal for an extension of the maximum time frame provision of this policy.
- If you are an undergraduate student pursuing a second degree, you may attempt an additional 48 credit hours to complete your second degree program, including prerequisite courses. Graduate/professional students may attempt an additional 24 credit hours.

# GENERAL ADMISSIONS REQUIREMENTS

- **If you are a transfer student, your maximum eligibility will be reduced by the number of transfer credits accepted by Howard University.**

Credits you have earned at foreign institutions will be included in your SAP evaluation provided they are applicable to the degree/program sought.

Courses in which you receive a grade of 'I' (incomplete) accompanied by a letter grade will be considered when evaluating your completion ratio and will influence your term and cumulative GPA. All attempted and earned credits are considered in maximum eligibility determination.

Courses in which you receive a grade of 'W' (withdrawal) do not earn credits or affect your GPA, but they will be considered when evaluating your maximum eligibility. You may retake courses from which you withdraw and those credits will count toward determining your enrollment status and completion ratio, provided you have not earned credit for the same course.

If you are enrolled in undergraduate remedial courses, credits attempted/earned will count toward determining your enrollment status, minimum credits earned and maximum eligibility.

If you take undergraduate courses while you are a graduate student, courses that are satisfactorily completed do not earn graduate credit or influence your graduate GPA, nor will they count toward determining your enrollment status or minimum credits earned at the graduate level.

All undergraduate and prerequisite courses are evaluated in SAP Maximum Eligibility.

If you are taking courses to earn professional licensure, you must be admitted to a degree program in order to receive financial aid. Students completing licensure courses and are not seeking a bachelor's, master's, or doctoral degree are not eligible for financial aid.

The credits earned from repeated courses will count toward the determining your enrollment status and maximum eligibility. However, for purposes of financial aid satisfactory academic progress, only credits adding to the cumulative credits earned will be accepted toward the required minimum number of credits earned per year.

If you attend a summer session and wish those credits/grades to be considered for your fall and spring total, you must complete the appeal process at the end of the summer term. Summer credits will count toward determining your maximum eligibility.

## **FEDERAL FINANCIAL AID UNOFFICIAL WITHDRAWAL POLICY**

Howard University is required by federal law to identify and report any student who has unofficially withdrawn from the University and is a recipient of federal student aid. As a result of this requirement, it is the policy of Howard University that all faculty members, by the end of the Mid-term of each semester, identify students who have never attended class.

# GENERAL ADMISSIONS REQUIREMENTS

## SCHEDULE OF FINANCIAL ADJUSTMENTS AND/OR REFUNDS

Students who make changes to their academic program after the first day of instruction may be subject to adjusted or prorated tuition and fees. The adjustment periods and corresponding fee changes are listed in the University Calendar.

If the University cancels a students' registration, the refund is 100%. Please also note that the above refund policies apply to total semester charges. If a due date falls on Saturday, Sunday, or a holiday, the next business day shall be the deadline that will apply.

**NOTE: THE ENROLLMENT FEE IS NON-REFUNDABLE.**

## CONSORTIUM OF UNIVERSITIES OF THE WASHINGTON METROPOLITAN AREA (CUWMA)

The CUWMA is a cooperative arrangement in post-secondary education that is designed to permit the sharing of academic resources by member institutions and to offer qualified students the opportunity to enroll at other institutions for courses not available on their own campus.

Howard University offers its qualified undergraduates and graduates degree students the opportunity to enroll in courses at American University, Catholic University, Corcoran College, Gallaudet University, Georgetown University, George Mason University, George Washington University, Marymount University, Trinity University, University of the District of Columbia, and the University of Maryland-College Park.

**REGISTRATION FOR THE CONSORTIUM PROGRAM IS COMPLETED AT HOWARD UNIVERSITY BY THE CONSORTIUM COORDINATOR IN THE OFFICE OF THE REGISTRAR.**

**HOWARD UNIVERSITY STUDENTS DO NOT HAVE TO REGISTER AT THE VISITED INSTITUTION.**

### Requirements:

- Must be a fully admitted degree seeking student.
- Must be and remain in good Academic and Financial Standing in order to apply for the Consortium Program.
- Consortium credit hours cannot exceed the number of credits registered for at HU. Students who drop below the required credits at HU, your Consortium registration will be canceled no exceptions.

### Procedure:

- Check class schedules of the Consortium Institutions at [www.consortium.org](http://www.consortium.org)

**\*\*\*Availability of classes cannot be guaranteed. Courses may be closed or subject to approval from the dean/department at the visited institutions. If special permission is needed, Students must obtain written permission from the instructor and submit it with the Consortium Registration form.**

# GENERAL ADMISSIONS REQUIREMENTS

## Please Note.

Consortium Registration dates are determined by HU Registration dates.

All Consortium Registration for Howard Students is completed by the HU Consortium Coordinator. Once registration is completed at HU, students may be required to present consortium registration form.

Consortium courses will be added to students HU schedule.

Consortium institutions do not register visiting Consortium students until the first week of class.

The University of Maryland does not register visiting Consortium students until the first day of classes.

Students must adhere to HU drop and withdrawal deadline. To drop or withdraw students must contact the Consortium Coordinator.

All grades are submitted to the HU Coordinator and will be posted upon receipt. Grades may be delayed depending on the administrative processes of the home and visited institutions.

Submitting a registration form is not confirmation of registration at the Host institutions. Students will receive a registration confirmation via email from the Host institution at the beginning of the semester. Any fee or extra expense attached to a course or tutoring service is not covered in the Consortium Agreement and must be paid by the student to the institution administering the course or service.

Any Prospective Graduate interested in participating in the Consortium Program take note: HU semester usually ends earlier than most of the host institutions. Therefore, be advised that grades may not be submitted in time to meet HU graduation deadline.

It is taken into consideration that some institutions' semester may start later than HU. In these cases, the Drop deadline for Consortium only extends to the first day, and only the first day, of classes at the visited Consortium institution. This Extension does not apply to Howard University Classes. Students are required to inform the Consortium Coordinator the very next day of your intention to drop the class. Any decision to drop after the first day of classes at the host institution will result into a withdrawal (W for that class).

If the course is canceled, please contact the Consortium Coordinator immediately.

To drop or withdraw from a Consortium course, students must report immediately to the Consortium Coordinator and complete a withdrawal form. CONSORTIUM COURSES SHOULD NOT BE DROPPED ON BISONWEB. Consortium grades for Howard University students are received in the Office of the Registrar and automatically recorded on the student's permanent academic record.

Consortium information and materials are available in the Office of the Registrar located in the Administration Building-Suite 105.

# GENERAL ADMISSIONS REQUIREMENTS

## GENERAL ACADEMIC INFORMATION

### Definition of a Credit Hour

In accord with federal regulations, a credit hour is an amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally established equivalency that reasonably approximates:

Not less than one hour of classroom or direct faculty instruction and a minimum of two hours out of class student work each week for approximately fifteen weeks for one semester;

At least an equivalent amount of work as outlined in item 1 above for other academic activities as established by the institution including laboratory work, internships, practica, studio work, and other academic work leading to the award of credit hours.

### Credit or credit hour

A unit of measure representing the equivalent of an hour (50 minutes) of instruction per week over the entire term. It is applied toward the total number of credit hours needed for completing the requirements for a degree, diploma or certificate, or another award.)

### Curriculum Review

The Curriculum Committees and Deans of each School or College are charged with following the policy on credit hours in their review and approval of all courses and for certifying that the expected student learning for the course meets the credit hour standard. The determination of credit hours is made when a new course or a revision to an existing course is proposed. The submitted syllabus is examined for contact time as well as for assignments and evaluation mechanisms.

### Examinations

The number of examinations administered in a course varies according to the method of instruction. Where midterm examinations are scheduled, they are given near the middle of each course. Final examinations are held at the end of each semester and are a required part of each course in most schools and colleges. For additional information and exceptions to the above, students should consult the individual schools and colleges.

### Classification of Students

The number of credits which each student has accumulated determines that student's classification. Students who have received a score of three or higher on any of the Advanced Placement Examinations of the College Board will be eligible, in the area of each examination, for advanced placement and credit toward graduation as determined by the appropriate department. They will also qualify for exemption from certain general education courses as specified by the dean on the basis of the student's total record. Students may not receive credit toward graduation for Howard University courses that are equivalent to courses for which they have received advanced placement credit. All other advanced standing is determined by the individual schools and colleges within Howard University.

# GENERAL ADMISSIONS REQUIREMENTS

## Major

A major sequence of study is a series of courses prescribed by a given department as necessary for a concentration in that department. A major ordinarily includes 30 to 39 credits earned in a single department or in closely related departments.

## Minor

A minor sequence of study is a combination of courses intended to broaden students' perspectives and buttress their major areas of concentration. A minor generally consists of 15 to 18 credits earned in one or more areas outside of the student's major department.

## Elective

An elective is a course which students may choose to take for credit toward earning their degrees.

## Grading System

Except where indicated otherwise in school/college bulletins, the following grading system is used at Howard University: A—excellent scholarship, 90 and above; B—good, 80 to 89; C—fair, 70 to 79; D—poor, 60 to 69; F—failure, below 60; W—withdrawal, has no grade value and is, therefore, not calculated in the term of cumulative grade point average; I—incomplete. A grade of D cannot be raised to a higher grade by re-examination. Required courses in which students receive failing grades must be repeated.

## Grade Point Average (GPA)

The grade point average is determined by multiplying the number of credit hours of the course by the point value of the grade received for the course (A, 4; B, 3; C, 2; D, 1; F, 0; W not calculated). The resulting products (quality points) are then summed and divided by the total number of credit hours. The grade point average is computed for all courses attempted, excluding courses repeated.

## Program of Study

Effective Fall 2013, a total of 120 credits are required for the baccalaureate degree\*. The typical program includes a major field (21-78 credits), a minor field (12 - 39 credits), a core group of general education studies, and electives. The specific details of the general education requirement vary among the schools.

\* Specialized programs in studio art and architecture have additional credit hour requirements.

## Afro-American Studies Requirement

All undergraduate students are required to complete at least one course in Afro-American studies. Courses which satisfy this requirement are offered by several departments.

## Residency Requirement

The majority of the individual schools and colleges at Howard University require that students spend the last 30 credit hours of undergraduate study in residence at the University in the school or college in which the degree is awarded.

# GENERAL ADMISSIONS REQUIREMENTS

## **GPA Requirement for Graduation**

To receive a Bachelor of Arts or Bachelor of Science degree, students must have a cumulative grade point average of at least 2.0 on a 4.0 scale. Additional grade requirements are determined by degree-granting School or College.

## **Honors**

Students will be graduated with honors under the following conditions: those with a cumulative grade point average (GPA) ranging from 3.20 through 3.49 will be graduated cum laude; those with a cumulative GPA ranging from 3.50 through 3.79 will be graduated magna cum laude, and those with a cumulative GPA of 3.80 or higher will be graduated summa cum laude.

Grades in noncredit courses are not considered in determining eligibility for honors. Although the policy varies according to the individual schools and colleges within the University, generally students are not eligible to receive these distinctions at graduation if they have not completed the last half of the work required for their degree in residence at Howard; if they have repeated courses to raise their GPA; or if they have not carried at least 12 credits for each semester enrolled, with the exception of the last semester in residence.

Students who have excelled academically are honored by having their names placed on the Dean's Honor Roll. Generally, this honor roll is published annually and includes honor students from the preceding school year. The GPA required differs among the schools and colleges according to their specific policies.

## **Time Limitation**

There is no strict regulation with respect to the total amount of time in which undergraduate students must fulfill their degree requirements, provided they maintain an appropriate grade point average and give evidence of being seriously interested in the eventual achievement of their academic objectives.

## **ACADEMIC SUSPENSION**

Any student who fails to remove his/her probationary status within one semester, exclusive of summer sessions, will be suspended. Official notification of suspension will be sent from the Office of the Registrar.

A one-semester extension of the probationary period may be requested by appealing in writing to the Dean of the School or College no later than 60 days prior to the first day of classes for the fall semester and 15 days prior to the first day of classes for the spring semester.

If the appeal is granted, the student will be required to follow specific stipulations during the extension period.

If the appeal is denied, the student is not eligible for readmission for at least one semester.



# GENERAL ADMISSIONS REQUIREMENTS

## **READMISSION POLICY ON ACADEMIC PROBATION & SUSPENSION**

A student enrolled in any of the undergraduate schools and colleges whose cumulative grade point average is less than 2.0 at the end of the first semester or any subsequent semester will incur academic probation. Students who have achieved junior status or are in the professional phase of the following programs will incur probation if their cumulative grade point average falls below 2.5 in the School of Education, The College of Pharmacy, and The College of Nursing and Allied Health Sciences.

### **Regulations Governing Students on Probation**

Students on probation must adhere to the following conditions for continued enrollment:

Enroll in a maximum of 13 credit hours if full-time, and seven hours if part-time.

Establish and maintain contact with their designated school/college advisor (Dean, faculty advisor, advisory center, or student services unit) for academic advising, counseling, assistance, and referral to support services at least once per month.

Probationary status will be removed when the student has achieved a cumulative average of at least 2.0.

Probationary status must be removed within one semester, exclusive of summer sessions, or the student will incur a suspension.

Any student who voluntarily withdraws from the University while on probation will be subject to stipulations as a condition for readmission.

## **READMISSION AFTER ACADEMIC SUSPENSION**

Requests for readmission must be initiated by submitting to the Office of Admission, at least 60 days prior to the registration period, an application for admission and, a completed petition for readmission to the school or college in which the student was last enrolled.

The request should include a description of the student's activities during the suspension period, the steps that have been taken to ensure success if the request is approved, and appropriate supporting documentation.

Requests for readmission will be reviewed by the appropriate designee of the school of last attendance and an admission committee, which will render a decision based on the student's previous academic record, contents of the request for readmission, and other relevant factors.

Upon readmission after suspension, students must adhere to the conditions outlined below. Failure to meet these stipulations will result in automatic suspension from the University.

The student shall establish and maintain contact (at least once per month) with designated school/college advisor (Dean, faculty advisor, advisory center, or student services unit) for academic advising, counseling, assistance, and referral to support services.

The student shall enroll in appropriate courses in the Center for Academic Reinforcement and/or other support programs as stipulated by the admission committee.

# GENERAL ADMISSIONS REQUIREMENTS

Enroll in a maximum of 13 credit hours if full-time, and seven credit hours if part-time, until the cumulative grade point average meets the requirement for removal of probation.

Remove all deficiencies during the next semester of enrollment (or the next semester when the courses are offered) before proceeding with the published program for their degree.

Earn a minimum grade of C in each course or earn the required grade point average stipulated by the admission committee until the cumulative grade point average meets the requirements for the removal of probation.

Failure to meet the above conditions may result in academic suspension.

## GRADE POINTS & GRADE POINT AVERAGE (GPA)

The grade point value is determined by multiplying the number of credits (also called hours) a course yields by the grade received for the course. Grades yield points as follows: A = 4; B = 3; C = 2; D = 1; F = 0; W, AD, P, S, U, and UW (not calculated).

The semester grade point average (GPA) is obtained by dividing the number of semester grade points earned by the number of credits attempted for the semester. For example, a student attempts five courses totaling 13 credits for the semester, and receives grades as follows:

Course 1 (3 credits) – “A” Course 2 (3 credits) – “B”

Course 3 (2 credits) – “B” Course 4 (1 credit) – “C”

Course 5 (4 credits) – “D”

Total semester grade points earned for courses 1 through 5 are respectively:  $(3 \times 4) + (3 \times 3) + (2 \times 3) + (1 \times 2) + (4 \times 1) = (12 + 9 + 6 + 2 + 4) = 33$ . **Semester GPA =  $33 \div 13 = 2.54$ .**

The cumulative (or overall) GPA is determined by dividing the number of cumulative (or total) grade points earned at Howard University (including grade points for the most recent grading period) by the cumulative (i.e., total) number of credits attempted at Howard University. For example, a student who has previously attempted 65 credits at Howard University and earned 160-grade points with an old cumulative GPA of  $160 \div 65 = 2.46$ . The new cumulative number of credits attempted at Howard University =  $65 + 13 = 78$ ; and the new cumulative grade points earned =  $160 + 33 = 193$ . The new cumulative GPA =  $193 \div 78 = 2.47$ .

The grade point average is computed for all courses not officially canceled that have been taken and/or repeated in the student’s program of study.

**ALL INCOMPLETE GRADES** (other than grades for Thesis & Research) must be completed by the student no later than the last day of classes of the next semester of enrollment. Instructors must submit Special Grade Reports for removing incomplete grades by the last day of the semester.

# GENERAL ADMISSIONS REQUIREMENTS

## SEMESTER GRADES

At the end of each semester, semester grades are available to students via the BisonWeb. Semester grades will be mailed to parents when authorized by the student.

## COURSE REPEAT POLICY

An undergraduate student may repeat only once a course for which he/she has received a grade of "D" or "F". The lower grade will not be counted in the computation of the GPA.

Exceptions to repeating a course more than once will be made only if it is a major or minor requirement for which the minimum grade of "C" is required, or if a student is ineligible to advance to the next level without a passing grade. All subsequent repeats, after the first one, will be counted in computing the GPA.

In all course repeats, the failing or previous grade is not expunged from the academic record. Students are not eligible to graduate with honors if they have repeated a course(s); they have not carried at least 12 credits for each semester enrolled, with the exception of the last semester in residence, and they have not completed the last half of the work required for their degree in residence at Howard University.

**SPECIAL NOTE:** In all cases of course repeats the failing or previous grade is NOT expunged from the academic record.

## TRANSCRIPTS

Academic transcripts are issued by the Office of the Registrar, which is the University-designated office for maintaining official academic records of all students currently or previously enrolled. Students are encouraged to use BisonWeb to request transcripts and pay the \$5.00 fee with a credit card online. Students who are unable to use BisonWeb to request a transcript may submit a request in writing. Written requests for transcripts will be honored only if the following conditions are met: requests must contain the written SIGNATURE OF THE STUDENT OR FORMER STUDENT whose record is being requested; student must be CLEARED FINANCIALLY (have no "holds" on account especially holds by Student Financial Services request must contain HU identification number or other information to allow us to identify the record (e.g. social security number, date of birth) in cases where the student does not remember the identification number; and the request must be accompanied by a \$5.00 fee by check or money order to Howard University.

Students who wish to review their grades or their complete academic record can do so via BisonWeb and print out semester reports of their entire record. All transcript requests will be honored as expeditiously as possible (usually processed within 24 hours of receipt in the Office of the Registrar).

Transcript requests that must be accompanied by special forms to be completed by schools for licensing or other accrediting agencies, will also require greater turnaround time to process. Please plan accordingly to allow sufficient time to meet your individual needs. Transcripts requested for "pick up" at the service window will be held for 30 days only. After 30 days, students will need to submit a new request and fee. See the Office of the Registrar website for information on additional policies that may apply.

# GENERAL ADMISSIONS REQUIREMENTS

Academic transcripts issued by the Office of the Registrar reflects, in chronological order, the COMPLETE and UNABRIDGED history of ALL academic endeavors attempted and/or earned by the student. "Partial" transcripts are not furnished.

## **CERTIFICATION OF ENROLLMENT**

Certifications consist of written verification of a variety of student enrollment-related data such as date(s) of attendance full-time/part-time status, and degree(s) received. Currently enrolled and former students can access BisonWeb for an Enrollment Verification Certificate. Some certifications may be furnished directly to various individuals or agencies such as prospective employers, official investigators, lending institutions, or government agencies. Howard University has authorized the National Student Clearinghouse to provide enrollment information for such requests. The National Student Clearinghouse can be contacted at:

**Web:** [www.degreeverify.org](http://www.degreeverify.org).

**Mail:** National Student Clearinghouse  
2300 Dulles Station Boulevard, Suite 300  
Herndon, VA 20171

In all such cases, the information released about students shall satisfy the provisions of the Family Educational Rights and Privacy Act of 1974 and University policy.

## **VARIOUS STUDENT SERVICES AND SUPPORT**

### **VETERANS' AFFAIRS**

<http://www.howard.edu/specialstudentservices/VeteransAffairs.htm>

Howard University is approved by the District of Columbia State Approving Agency for the enrollment of veterans, service personnel, and dependents of deceased or disabled veterans who are eligible for educational benefits under the G.I. Bill.

With the exception of VA-approved disabled veterans, all beneficiaries of educational benefits from the Veterans Administration are personally responsible for the payment of their bills to the University. These individuals should be financially prepared to pay tuition and fees at the time of registration each semester and to meet all living expenses until VA educational allowances (checks) are received (approximately 60 days).

Services and/or assistance to G.I. Bill students studying at Howard University are available through the Office of the Dean for Special Student Services, in the following areas: academic tutoring, housing, financial aid, employment, and other areas of special interest or concern. The Office of Veterans' Affairs is located in Room 725, Howard Center, Howard University, Washington, DC, 20059 (202) 238-2420.

# GENERAL ADMISSIONS REQUIREMENTS

## DISABLED STUDENT SERVICES

<http://www.howard.edu/specialstudentservices/DisabledStudents.htm#eligible>

Handicapped or disabled students, who would like to be familiarized with the University campus, its programs, activities, or services, are invited to telephone, visit, or write the Dean for Special Student Services, Room 725, Howard Center, Howard University, Washington, DC, 20059, (202) 238-2420. A comprehensive program of orientation is available.

## ROTC

ROTC offers a program that leads to a commission as an officer in the Army or the Air Force. It is an elective and can be taken by those who desire it just like any other course. For additional information, call Army ROTC at (202) 806-6784 or Air Force ROTC at (202) 806-6788.

## INTERNATIONAL STUDENTS

Immigration and Naturalization Service (INS) regulations governing nonimmigrant international students require that all students in the "F-1" and "M-1" visa categories be engaged in a full course of study. Undergraduates with "F-1" visas are required to be registered at all times for a minimum of 12 credit hours of course work. Graduate students with "F-1" visas and all "J-1" visa holders are not required to take a specific number of credit hours as long as they are engaged in a full course of study as determined by their departments. Students must maintain full-time status throughout the semester. A student who begins with 12 credit hours or more but then drops courses later and no longer carries 12 credit hours is considered a part-time student. Students who do not meet these requirements are in violation of their immigration status and jeopardize their stay in the United States. All financial arrangements for study at Howard University must be made prior to registration time.

It is each student's responsibility to maintain legal immigration status while in the United States and must make sure that their authorized stay in the country has not expired (see I-94 form); that their passports are valid for at least 6 months at all times; that they are registered every semester as a full-time student; that they do not work off campus without permission of the INS; that they attend the school that the INS last authorized you to attend.

International students must apply to INS to (1) extend their authorized stay in the United States, (2) obtain permission to work off campus and (3) transfer from Howard University to another school or from another school to Howard University. Further information and appropriate application forms can be obtained from [International Student Services in Room G- Administration Building.]

If a student's immigration status change for any reason – for example, from a tourist visa to student visa or from student visa to permanent resident – are required to immediately inform International Student Services so that the University will have accurate records. International students are required to provide their current address.

# GENERAL ADMISSIONS REQUIREMENTS

## PHOTO IDENTIFICATION CARDS

Student photo ID cards are issued by the BisonOne Card Office to incoming students (i.e., New Students, Transfer Students, and Former Students Returning) during the official registration period for a given semester. Each officially enrolled Howard University student is expected to maintain continuous possession of his/her photo ID card throughout his/her period of attendance at the University.

Replacement of photo ID cards that are lost, stolen, or damaged, may be obtained at the I-Lab Photo ID room located at the Bryant Street side entrance of 2301 Georgia Avenue. In order to secure a replacement ID, students must pay a \$25.00 fee and present an acceptable photo ID.

## BOOKSTORES

**THE UNIVERSITY BOOKSTORE** is located at 2225 Georgia Ave. NW. It stocks textbooks, reference materials, academic supplies, art, computer hardware, software, apparel, and gifts. Hours of operation are 9:00 am to 6:00 pm Monday through Friday (except Thursday); 9:00 am to 7:00 pm Thursday; 10:00 am to 4:00 pm Saturday. To contact the Howard University Bookstore, please call (202) 238-2640.

**THE SCHOOL OF LAW BOOKSTORE** is located at 2900 Van Ness St. NW on the lower level of Holy Cross Hall. It provides course books, study aids, legal outlines, school supplies, and convenience items. Hours of operation are 9:00 am to 5:00 pm Monday through Friday. To contact the School of Law Bookstore, please call (202) 806-8108.

## THE OFFICE OF UNDERGRADUATE STUDIES

The mission of **Office of Undergraduate Studies** is to facilitate the successful matriculation of undergraduate students by offering academic support services and programs that will result in improved persistence, retention, and graduation rates. Specific services include:

- Academic advising and retention counseling
- Graduation clearance and degree completion support
- Academic policy and petition guidance
- Academic support courses, workshops, and services
- Professional development opportunities for staff and faculty advisers
- Honors and scholar development programs
- Academic mentoring
- New student orientation
- Transfer student support services
- Comprehensive career services

## THE UNIVERSITY COUNSELING SERVICE

The **University Counseling Service** has a staff of professionally trained counselors and psychologists available to assist students with their concerns. The UCS offers educational, career, and personal counseling on either an individual or group basis. Services are at no cost to all registered students – regardless of college or school in which the student is enrolled.

The University Counseling Service is located in the C.B. Powell Building Wing 1, Ground and First Floors. Students are welcome to call for an appointment or to drop in for a visit between 8:00 am and 6:00 pm, Monday through Friday. For further inquiries on the University Counseling Service, please call (202) 806-6870.

# GENERAL ADMISSIONS REQUIREMENTS

## STUDENT RECORDS

POLICY GOVERNING THE MAINTENANCE OF STUDENT RECORDS, THE RIGHTS OF STUDENTS REGARDING SUCH RECORDS, AND THE RELEASE OF INFORMATION ON STUDENTS TO THIRD PARTIES  
Approved by the Board of Trustees, September 27, 1975

*IT IS THE POLICY OF THE BOARD OF TRUSTEES OF HOWARD UNIVERSITY THAT:*

Students should have access to information about themselves in the University record-keeping systems. An individual student shall be accorded the right to correct or amend, upon reasonable request, an inaccurate record. The information contained in a student's educational record file shall not be disclosed or used for other than authorized University purposes without his or her written consent unless required by law. Student files shall be retained for a reasonable period of time. The Office of the Vice President for Student Affairs is hereby charged with the responsibility of implementing the policy within the following guidelines.

### GUIDELINES

**Confidential Nature of Student Records**—Student educational records, except as herein set forth in this policy statement, shall be kept confidential, with respect to requests made by all persons other than appropriate school officials, as determined by the President, or other Executive level officers of the University or parents of a dependent student, as defined for income tax deduction purposes in Section 152 of the U.S. Internal Revenue Code.

**Release of Information to Investigators** – When written consent has been received by the University from a student who is the subject of a governmental or employment investigation, information requested by such investigator from records or such students may be released through authorized staff personnel of the University within whose offices such records are maintained upon proper identification of the investigator. Investigators must adequately identify themselves through the display of official credentials, must indicate the agency they represent and demonstrate a satisfactory basis for their request. Even as to such investigators, information in student records, not priority released will be withheld if a student timely notifies Office of the Registrar in writing that he or she has withdrawn his or her prior consent. Student consent forms with reference to their educational records should be filed with the Office of the Registrar that will, in turn, notify appropriate offices of the University that such consent has been given and in the event, such consent is withdrawn will direct these offices to discontinue release of such information.

**Student Educational Records** – The Office of the Vice President for Student Affairs shall prepare annually a list of the various categories of student educational records extant in the University. This list shall be promulgated in such ways as to afford students an opportunity to know of the kinds of records kept and their location. The list shall contain a summary explanation of the kinds of records kept under each category (e.g., Academic Records), and the cost, if any, which will be charged to the parent or student for reproducing copies of such records. It shall be known as the Student Educational Records List.

**Student Addresses and Telephones** – Officers and employees of the University will not normally release addresses or telephone numbers of students to persons not officially connected with the University. There may be an exception in cases of emergencies. Requests under claimed emergencies will be referred to the Office of the Dean for Special Student Services or the Office of the Dean of Residence Life for the purpose of making a judgment as to whether, under the circumstances, such information should be released.

# GENERAL ADMISSIONS REQUIREMENTS

## **Student Review of Records**

A student may make a written request to review an educational record of a type found on the Student Educational Record List at any appropriate University office at any reasonable time. Upon receipt of such requests, the office involved will make the arrangements necessary to accommodate requests for review of student records as soon thereafter as practicable. A student may waive in writing the right to review letters of recommendation written on his or her behalf or at his or her request which has been placed in his or her educational record after January 1, 1975. If a student challenges the contents of his or her student educational records on the grounds that they are either inaccurate, misleading or otherwise recorded in violation of his or her rights he or she shall be accorded a hearing in order to provide an opportunity for the correction or deletion of any inaccurate, misleading or otherwise inappropriate data contained therein, and to insert into such record, where found to be warranted, a written explanation from an appropriate source respecting the content of such records. The hearing shall be conducted by a person designated by the President of the University or his designee. Such person shall not have a direct interest in the outcome of the hearing. It should be expressly understood that such a hearing is not to be used as a forum to contest whether a teacher should have assigned a higher grade because a student or parent believes that the student was entitled to a higher grade.

## **Records Not Subject to Review**

Records maintained by the University with respect to which a student does not have a right of review include but are not limited to instructors' or administrators' notes, financial statements submitted by parents in support of applications for financial aid, and letters of recommendation received by the University prior to January 1, 1975.

## **Faculty Review of Student Academic Record**

Individual faculty members may review academic records of their students with the students' consent, except that such consent shall not be necessary for faculty members who serve as advisors and other administrative officers or counselors of the University in the discharge of their official functions.

## **Research Involving Student Records**

The University recognizes research by graduate students, faculty, and administrative staff as a fundamental component of its overall mission. Occasionally such research involves the use of data that is to be extracted from student records which are essentially confidential. Approval to conduct such research must first be obtained from the person in charge of the involved discipline(s) and, following this, authorization to utilize student records must be obtained from the administrative officer under whose jurisdiction the records which are to be utilized are maintained. In such instances, the administrative officer maintaining custody of such records shall make every effort to ensure the anonymity of identifying information contained in the records utilized.

## **Removal of Records from Custodial Office**

Except, as required, in cases involving litigation, a student's permanent academic record may not be removed from the Office of the Registrar. Copies of the content of such records may be made available to administrative staff officials in conducting official business involving such records.



# GENERAL ADMISSIONS REQUIREMENTS

## Retention of Student Records

Admission applications (of individuals who actually enroll) and academic records shall be maintained indefinitely by the Office of the Registrar. Records of student financial indebtedness to the University shall be maintained on an indefinite basis. Health records on students shall be kept for a period of five years after graduation or anticipated date of graduation. Student personnel records shall be retained for two years following graduation. Disciplinary records of students involving sanctions less than expulsion or indefinite suspension shall be maintained by the Office of the Vice President for Student Affairs for a period of five years following the graduation of such individuals except that in cases where the student does not graduate, the record shall be maintained for a period of eight years following the last enrollment. Records of students who are expelled or suspended indefinitely, whether for academic, health or disciplinary reasons, shall be maintained on an indefinite basis. Records of convictions of students who are convicted in civil courts of (1) misdemeanors involving moral turpitude, and (2) all felonies may be retained by the Office of the Vice President for Student Affairs for a period of five and eight years, respectively, following such convictions.

## Requests for Judicial Process

When any subpoena or other judicial order is issued requesting information about a student, the officer receiving the order or subpoena shall immediately contact the Office of the General Counsel.

## ADMINISTRATIVE PROCEDURES RELATING TO THE RIGHTS OF STUDENTS REGARDING RECORDS MAINTAINED ON THEM BY HOWARD UNIVERSITY

1. The University will at least annually, provide notice to students, of the following:

- a. the types of educational records and information contained therein directly related to students and maintained by the University;
- b. the name, position, and campus location of the official responsible for the maintenance of each type of record to which students have a right of access; and
- c. the categories of information, if any, which the University has designated as directory information.

2. A student desiring to review a reviewable University record shall execute in writing a form entitled "Request for Review of Student Record" obtained from and provided by the office concerned. A record of all requests for review of records by students, including the disposition thereof, shall be maintained by all offices of the University in which such requests are made. In instances in which a student requests a review of the contents of a University record, the office involved shall provide for such review with an appropriate official of the office within a reasonable time. Costs incurred in connection with furnishing a student a copy of anything contained in the University record and requested by such student will be borne by the student. Such appropriate costs will be established by the Vice President for Fiscal Affairs in consultation with the Vice President for Student Affairs.

3. A student, who after having reviewed a University record, is of the opinion that such record contains information or material that is inaccurate, misleading or should not be maintained by the University, must first execute in writing a form entitled, "Request for Purge/Removal of University Record" obtained in the office concerned. Upon the receipt of such request, the administrative officer of the office involved shall carefully review the request and make an appropriate disposition.

# GENERAL ADMISSIONS REQUIREMENTS

In considering such request, the University official(s) involved will make a diligent effort to resolve the matter informally, amicably and in the best interests of the student and the University. If the student making the request objects to the action taken, he/she may request in writing a hearing in which the propriety of the action taken may be contested. It should be expressly understood that such a hearing is not to be used as a forum to contest whether a teacher should have assigned a higher grade because a student believes that he or she was entitled to a higher grade.

4. Upon notice that the student wishes to have a hearing, the office involved shall notify in writing the Office of the General Counsel of the University. A hearing officer, for the purpose of hearing appeals requested by students, shall be designated by the Office of the General Counsel. The hearing officer shall schedule the date, time and place of such hearing. Upon notice from the hearing office, the Dean or Director of the office involved shall provide written notification to the student as to the date, time and place of the hearing. The Dean or Director will select one person to be the University representative at such hearing.

5. At all such hearings, the student and the University representative will be accorded the following procedural rights:

- a. Advance notice of the date, time, and place of the scheduled hearing
- b. Personal appearance
- c. To present their case or have the same presented in their behalf by anyone of their choice;
- d. To present evidence and to call witnesses.

6. The hearing officer will render a written decision and provide the student petitioner and the University representative with a copy of the decision within a reasonable period following the conclusion of the hearing. Where the student involved receives an adverse decision, he shall have a right to petition the Vice President for Student Affairs for an appeal. Both the student and the University representative may submit a written argument in support of their position. The Vice President for Student Affairs may decide on the petition that no further hearing of the matter is required or he may decide to reopen the matter and hear the case over again. Where the Vice President for Student Affairs determines that there need be no further hearing, the decision rendered by the hearing officer will be final. Where the Vice President for Student Affairs decides to reopen the case, the decision rendered by him shall be final.

## **STUDENT EDUCATIONAL RECORD LIST**

Records the University maintains on students are described and listed below. Offices maintaining such records are specified and their locations indicated. These offices are open Monday through Friday (except holidays) from 8:30 am until 3:00 pm.

Academic records – Academic records on students contain applications for admission, (including applications for readmission), the Howard University permanent record (containing all grades duly recorded), instructors' grade reports, and copies of official forms or reports reflecting, special grade reports and records of all total withdrawals from the University by students. The above records are maintained by and located in Office of the Registrar, Suite 104, Mordecai Wyatt Johnson (Administration) Building.

# GENERAL ADMISSIONS REQUIREMENTS

## **SPECIAL NOTE ON ACADEMIC RECORDS**

Records bearing directly on the academic status of students are also maintained in the offices of the appropriate academic Dean, the department in which students' major programs are supervised and coordinated as well as the offices of student advisors of the respective schools and colleges in which such students are enrolled. These records generally include SAT (Scholastic Aptitude Test) and CEEB (College Entrance Examination Board) scores, high school transcripts, college/university transcripts for institutions previously attended, high school equivalency (GED) scores and certificates of completion (in specialized areas), and the like, such as-in the case of international students-a certificate evidencing adequate familiarity with the English language. The locations of these specific offices may be ascertained by inquiring at the office of the appropriate academic Dean.

## **Violations of the University Code of Conduct and Criminal Laws Records**

Records on individual students who have been implicated in violations of the University Code of Conduct and/or locally operative criminal laws and as a result of which the University Office of Security and Safety Services has become involved. Records of the above-listed incidents are maintained by and are located in the Office of Security and Safety Services, 2nd floor, Service Center Building, 2244 10th Street NW (202-806-1073).

## **Disciplinary Records, Student Misconduct Records, and Records of Infractions of Code of Conduct**

Records of student conduct involving infractions of conduct standards established for students are maintained by and are located in the Office of the Dean for Special Student Services, Room 725, Howard Center, 2225 Georgia Avenue.

## **Financial Aid Records**

Financial aid records of students contain applications for financial aid or part-time employment (including work study), credentials submitted in support of such applications' loans as well as information on action taken on such applications. These records are maintained by and are located in Financial Aid. Records of specialized financial aid which is pursued through direct application to departments of one's specialization are maintained by and located in such departments.

## **Student Financial Services**

An individual's account record reflects all financial transactions made with the University in connection with the payment of required tuition, fees, room rent, and special assessments such as library book charges, and the like. Any adjustment made in the account, for whatever reason, is similarly reflected. This record is maintained by and located in Student Financial Services/Student Accounts, Suite 115, Administration Building.

## **Student Employment**

Records are maintained on students who apply for employment through the Office of Career Planning and Placement. These records contain the subject's resume and letters of recommendation, if any, such as are submitted at his/her request. Such records are maintained by and are located in the Office of Career Planning and Placement, Wing I, Second Floor, C.B. Powell Building. Members of the faculty, student body, or staff who have questions regarding the information above are invited to inquire at the Office of the Dean for Special Student Services, Room 725, Howard Center on the main campus, or by telephone at (202) 806-2120.

# GENERAL ADMISSIONS REQUIREMENTS

## HOWARD UNIVERSITY STUDENT CODE OF CONDUCT AND JUDICIARIES

### PREAMBLE

Howard University affirms that the central purpose of a university is the pursuit of truth, the discovery of new knowledge through scholarly research, the teaching and overall development of students, and the transmission of knowledge and learning to the world at large. However, the establishment and maintenance of a community where there is freedom to teach and to learn is dependent on maintaining an appropriate sense of order that allows for the pursuit of these objectives in an environment that is both safe and free of invidious disruption.

Rules and regulations are necessary to mark the boundaries of this needed order. However, the rights of the individual demand that honesty, integrity, responsibility, and respect for persons and property must form the core values upon which those rules and regulations are based. All members of the University community share a mutual responsibility to practice these values.

It is expected that student conduct will be in concert with, and supportive of, the University's central purpose and core values. Examples of prohibited student behavior are described in this Student Code of Conduct ("Code"). Behaviors that reasonably indicate a violation of the Code will give rise to the immediate consideration of resolution through the University's disciplinary process.

The Code is applicable to all students, which includes all persons taking courses at the University, either full-time or part-time, pursuing undergraduate, graduate, professional or unclassified studies. Persons who withdraw after allegedly violating the Code, who are not officially enrolled for a particular semester or term, but have a continuing relationship with the University, or who have been notified of their acceptance for admission are considered "students," as are persons who are living in University residence halls, although not enrolled in this institution. Those persons include, but are not limited to new, continuing or transfer students, participants involved in pre-college programs, workshops, seminars, special classes, summer programs, athletic programs, and camps affiliated with the University. The Code applies to all locations of the University and to all student groups and organizations as referenced in the Code.

It is the responsibility and duty of students to become acquainted with all provisions of the Code. It is presumed that every student, from the date of his/her initial acceptance at the University, has knowledge of the Code, the Academic Code of Conduct, the University Code of Ethics and Conduct, as well as policies and procedures contained in the H-Book, the Bulletin, the Student Reference Manual, and the Directory of Classes. All students are deemed to have agreed to the Code and are required to adhere to the Code as a condition of enrollment at the University.

### SECTION I: SCOPE, LIMITATIONS, AND APPLICABILITY OF THE CODE

The Code applies to incidents occurring on campus and, as further explained below, to some situations occurring off-campus. Incidents that involve students and that occur at institutions that are part of the Washington Metropolitan Area Consortium of Universities are also subject to this Code. Students who are involved in clinical rotations, practicum, internships, externships or other activities directly involved with an academic program of study are also subject to the Code.

# GENERAL ADMISSIONS REQUIREMENTS

The actual daily administration, enforcement, and operation of the University's judicial program are delegated to the Office of the Dean for Special Student Services (ODSSS).

This Code does not address academic offenses. The University's schools and colleges administer the academic disciplinary process. Students must contact the appropriate school or college for information on disciplinary procedures regarding academic issues.

Judicial action against any student committing a violation of the Code off-campus will be considered on a case-by-case basis upon receipt of the filing by a Complainant of an Allegation of an Off-Campus Violation of the Howard University Student Code of Conduct form. The Complainant must obtain the form from the ODSSS, and the form must be completed and returned to that office. After review of the form, ODSSS will make a determination of its appropriateness for University disciplinary action. Examples of off-campus matters that would typically be excluded from resolution under the Code are landlord/tenant disputes, certain personal business matters with off-campus entities, and non-violent domestic issues. Disciplinary action may be taken with respect to any student convicted of, or charged with, a felony or misdemeanor, as delineated in ***Section V: Special Provisions on Students Charged With Or Convicted of A Criminal Act.***

Depending on the severity or nature of the charge, students who violate the Code are subject to a range of disciplinary actions up to and including suspension or expulsion and may be barred from all University-owned and operated the property and all University-sponsored events and activities.

The consequences are serious for students who are charged and/or found guilty of misconduct under this Code. Therefore, any member of the University community, who knowingly and willfully misuses the procedures of the Code to harm another member of the University Community, shall be subject to disciplinary action.

## **SECTION II: COOPERATION WITH LAW ENFORCEMENT AUTHORITIES**

The University cooperates fully with law enforcement authorities and violations of the Code that are also violations of federal or local law may be referred to the appropriate non-University authority. Proceedings under the Code may be carried out prior to, simultaneously with, or following civil or criminal proceedings off-campus at the discretion of the Dean for Special Student Services. Determinations made or sanctions imposed under the Code shall not be subject to change because criminal charges arising out of the same facts as a result of the violation of University rules were dismissed, reduced, or resolved in favor of or against the criminal law defendant.

The Howard University Police Department (HUPD) works closely with area law enforcement agencies, particularly the Washington, DC Metropolitan Police Department (MPD). HUPD officers have full powers of arrest, search, and seizure on all University-owned and operated property and are usually the first to respond to calls for police services on campus. However, complainants may request that MPD respond to any reported offense or incident that may violate the law.

# GENERAL ADMISSIONS REQUIREMENTS

## SECTION III: STUDENT RIGHTS, FREEDOMS, AND RESPONSIBILITIES

With appreciation for the tradition of freedom of expression on campus, the University reasserts its commitment to fostering and tolerating different viewpoints. It acknowledges that points of view will diverge and that some students will believe it necessary to express themselves by means of protest. However, the University will not tolerate disruption to its academic mission nor the means of protest that interfere with the legitimate rights of others.

### 1. General Rights and Freedoms

Students shall have the following rights and freedoms:

As members of the University community, all students are guaranteed freedom of expression, inquiry and assembly, the right to form a student government, organize groups, to join associations in support of any cause or common interest, and to peacefully protest, provided that such activity is conducted in a legal manner, is in accordance with University regulations, and does not abridge the rights of others.

Students have the right of fair access to all educational opportunities and benefits available at the University in an environment that is safe and free of invidious harassment, discrimination, or intimidation.

Students have a right to privacy in accordance with the policy expressed in the Family Educational Rights and Privacy Act of 1974 (FERPA).

Students have the right and responsibility to report, in good faith and without fear of retaliation, violations of this Code, the University Code of Ethics and Conduct, and violations of any other policy of the University, to appropriate academic or administrative officers of the University.

### 2. Procedural Rights and Freedoms

Students accused of violating this Code have the following rights:

To have access to all University policies and procedures regarding the functioning of the disciplinary process.

To be informed of and to have explained as required the pending charges.

To be free from intimidation by University employees in the resolution of disciplinary matters.

To face accuser(s) and have the opportunity to cross-examine them and any witnesses.

To be free from searches or seizures unless based on reasonable cause by appropriate officials.

In accordance with written procedures approved by the Vice President for Student Affairs, searches and seizures may be made by the Vice President for Student Affairs and his/her designee, housing staff, University officers and officials and University Police.

To have a fair and impartial hearing before an appropriately appointed hearing board, appeal board, or Administrative Hearing Officer.

# GENERAL ADMISSIONS REQUIREMENTS

## 3. Responsibilities

All students share the following responsibilities:

- To read, become familiar with and adhere to the Code, the University's Code of Ethics and Conduct, the Academic Code of Student Conduct, the Student Reference Manual, the H-Book, and the relevant academic Bulletin of the school or college in which the student is enrolled.
- To respect the personal and property rights of others and to act in a responsible manner at all times.
- To protect and foster the intellectual, academic, cultural, social, and other missions of the University.
- To observe the laws of local, state, and federal governments.

## SECTION IV: EMERGENCY ACTION SUSPENSIONS AND INVOLUNTARY ADMINISTRATIVE TOTAL WITHDRAWALS

### 1. Emergency Action Suspension

As the Chief Executive Officer of the University, the President holds the ultimate authority in matters of student discipline. Unless otherwise exercised or modified by the President, this emergency authority is delegated to the Dean for Special Student Services.

On rare occasions, this authority may be exercised on an exigent basis to protect a student's own physical or emotional safety and well-being, University property and/or the health and safety of particular individuals and/or the University community, or to prevent the threat of disruption of, or interference with, the normal operations of the University. On such occasions, the President or Dean for Special Student Services may take emergency administrative action to immediately suspend a student's enrollment. The student will be notified in writing and/or orally of this action and the reasons for the suspension. An Emergency Action Suspension Hearing (EASH) will be held as soon as one can be convened, within thirty (30) days from notification of action. The purpose of the EASH will be to determine if the student may remain enrolled until a regular Disciplinary Hearing, as described in Section V of the Code, is held and a decision is rendered. The notice will include the time, date and place of the hearing.

### 2. Involuntary Administrative Total Withdrawals

In situations where the University cannot effectively monitor or control the conditions or behaviors of certain students, it reserves the right to effect an Involuntary Administrative Total Withdrawal. In circumstances where the mental, emotional and/or physical welfare of the student and the various elements of the University community are in jeopardy, or where the student's behavior and conduct becomes an imminent danger, it may become necessary to take emergency action to temporarily or permanently separate a student from the campus community. Further, the University reserves the right to contact the student's parent, guardian, or next of kin in the event of a medical emergency.

# GENERAL ADMISSIONS REQUIREMENTS

The Family Education Rights and Privacy Act (FERPA, 34 CFR 99.36) provides for the release of normally protected student information when it is believed that the student represents a health or safety risk to self or others.

This policy will be instituted in the event that a student (a) demonstrates behaviors or lack of good judgment, suicidal behaviors, self-destructive behaviors, or has untreated or uncontrollable medical or mental conditions which result in actual or possible imminent danger of injury to themselves or members of the University community; (b) demonstrates an inability, without adequate care, to satisfy personal needs, to include activities of daily living, nourishment and maintenance of shelter; (c) demonstrates a behavior due to mental, emotional, or medical incapacitation which poses an imminent danger of causing significant property damage, or directly and substantially impedes the lawful activities of others, interferes with the educational process or the orderly operation of the University; or (d) fails to comply with requirements to adhere to the instructions and guidelines of the clinical/medical staff of the University Counseling Service, Student Health Center or Howard University Hospital, as a result of an episode of mental or medical crisis intervention.

During the period of involuntary administrative total withdrawal, a student may be denied access to the campus, classes, residence halls, University activities, and denied privileges for which the student might otherwise be eligible, as the Dean for Special Student Services may determine to be appropriate. In making this determination, the Dean for Special Student Services will consult with appropriate academic administrators and health care professionals, to include but not limited to the Dean for the University Counseling Service and the Medical Director of the Student Health Center.

## **Timeline of Process**

Howard University will schedule a hearing within thirty (30) days of the student's Emergency Action Suspension or Involuntary Administrative Total Withdrawal unless the student makes a written request asking that the hearing occur sooner than thirty (30) days. However, if the student submits a written request for an earlier hearing date, the hearing will not occur any sooner than ten (10) business days following receipt of the written request. The Dean for Special Student Services will notify the student in writing and/or orally indicate the reason for the Emergency Action Suspension or Involuntary Administrative Total Withdrawal and the date, time and place of the hearing. Appropriate University personnel may be present and/or consulted at this meeting. Parents, spouses, or any persons who would be of support to the student may, with the consent of the Dean for Special Student Services and the student, participate in the hearing.<sup>1</sup> At the hearing, the University will state its reasons for concern and the student will be given an opportunity to respond.

The Dean for Special Student Services will notify the student in writing of the decision and the basis for the decision within ten (10) business days of the hearing.



# GENERAL ADMISSIONS REQUIREMENTS

If it is determined that the student does not present a threat to himself/herself or others, the student will be permitted to continue as a student. If the decision is that the Emergency Action Suspension or Involuntary Administrative Total Withdrawal shall remain in effect, the communication will indicate what, if any, stipulations may govern his or her return to the University. Such stipulations may include providing certification from a healthcare professional indicating the student is able to return to the University. The Section 504 Coordinator may be involved when a student seeks a return to the University.

## Appeal

Students who wish to appeal Emergency Action Suspensions and Involuntary Administrative Total Withdrawals shall submit their appeal to the Dean for Special Student Services, who will forward the appeal through the Vice President for Student Affairs to the Provost or to the Senior Vice President for Health Sciences. In those cases where internal and/or external health professionals were consulted, a report of findings and response to the appeal will be obtained.

In those cases, where internal and/or external health professionals were consulted, a report of findings and response to the appeal will be obtained. In addition, the President or Dean for Special Student Services may require the student, at his or her expense, to obtain a psychiatric/medical evaluation from appropriate professionals external to the University to be presented. The Office of the General Counsel will be consulted for legal advice before a final decision regarding the appeal of an emergency action is reached. There shall be no further appeal of this decision.

## SECTION V: EMERGENCY ACTION OF STUDENTS CHARGED WITH A CRIMINAL ACT

A student charged with a crime, either a misdemeanor or felony, by any local, state, or federal entity may be subject to an Emergency Action Suspension by the Dean for Special Student Services.

In addition, disciplinary proceedings may be instituted against a student charged with conduct that potentially violates both the criminal law and the Code without regard to the pendency of the civil or criminal litigation in court or criminal arrest and prosecution. Proceedings under this Code may be carried out prior to, simultaneously with, or following civil or criminal proceedings off-campus at the discretion of the Dean for Special Student Services. Determinations made or sanctions imposed under this Code shall not be subject to change because criminal charges arising out of the same facts giving rise to a violation of the Code were dismissed, reduced, or resolved in favor of or against the criminal defendant.

Emergency Action Suspension of a student charged with a criminal act will occur only in situations where the University determines there is a risk of substantial harm to the health or safety of the student or other individuals or to prevent the threat of disruption of, or interference with, the normal operations of the University. An individualized assessment will be made after consultation with the Office of the General Counsel and after considering the best available objective information.

# GENERAL ADMISSIONS REQUIREMENTS

## Timeline of Process

Howard University will schedule a hearing within thirty (30) days of the student's Emergency Action Suspension, unless the student makes a written request asking that the hearing occur sooner than thirty (30) days. However, if the student submits a written request for an earlier hearing date, the hearing will not occur any sooner than ten (10) business days following the receipt of the written request. The Dean for Special Student Services will notify the student in writing and/or orally indicating the reason for the Emergency Action Suspension and the date, time, and place of the hearing.

A student may be suspended or expelled prior to the final resolution of the criminal matter, but a student has the affirmative duty to notify the University of the conclusion of the matter. After being duly notified of the scheduled disciplinary hearing, if the charged student is unable to appear due to incarceration or incapacitation at the time of the regular disciplinary hearing, the student may request in writing that the disciplinary hearing be postponed and rescheduled when he or she is able to appear, or after the conclusion of the criminal proceedings.

Additionally, the student has an affirmative duty to notify the University of any status change in the criminal matter. If a student does not provide such notice or fails to communicate with the University within one (1) calendar year, the University will take measures for permanent expulsion.

## University Decisions Upon Criminal Conviction

It is the University's policy that a student convicted of a felony shall be expelled from the institution, irrespective of the student's current enrollment status. A decision about the continued enrollment of any student convicted of a misdemeanor will be made on a case-by-case basis by the Dean for Special Student Services, which may be appealed through the Office of the Vice President for Student Affairs to the Office of the Provost or the Office of the Senior Vice President for Health Affairs for students in the Division of Health Affairs.

## SECTION VI: FILING A COMPLAINT AND REQUEST FOR UNIVERSITY DISCIPLINARY ACTION AND NOTIFICATION TO THE ACCUSED

Reports of violations of the Code may result from a written Incident Report taken by Campus Police. If a charge of a violation of the Code is not made as a result of such report, it is the responsibility of the Complainant, whether a student or University employee, to take action to pursue resolution of a violation. First, the Complainant must review the Code to determine the specific provisions violated by the Accused Student. Second, the Complainant must obtain, complete, and file a Request for Resolution of an Alleged Violation of the Student Code of Conduct form within fourteen (14) calendar days of the incident or knowledge of the incident. Forms submitted after this fourteen (14) calendar day period will only be resolved if extenuating circumstances are present, and require approval of the Dean for Special Student Services. More than one provision of the Code may be cited in the complaint form. The forms are available in the Office of the Dean for Special Student Services.

# GENERAL ADMISSIONS REQUIREMENTS

The Accused Student will be notified by the Dean for Special Student Services of an alleged violation by certified letter and/or telephone call and will be asked to report to the Dean for an interview. ODSSS will make reasonable efforts to contact the student at the local and/or permanent address.

## SECTION VII: INITIAL ADMINISTRATIVE ACTION ON ALLEGATIONS OF VIOLATIONS OF THE CODE

If a determination is made by Dean for Special Student Services that a violation of the Code may have occurred, the Complainant(s) and the Accused Student(s) will be contacted by the Dean for Special Student Services within fifteen (15) business days after receipt of the completed Request for Resolution of an Alleged Violation of the Student Code of Conduct form.

Both the Complainant(s) and the Accused Student(s) will be required to put in writing their accounts of the incident. Upon written notification, the Complainant(s) and the Accused Student(s) may request that their full written accounts be submitted to the Howard University Police Department and substituted for the incident statement. The Accused Student(s) will be informed of the allegation and related information, and he/she will be given an opportunity to provide his/her version of the facts, and allowed to plead "Responsible" or "Not Responsible." The Incident Statements of the Complainant(s) and Accused(s) will be shared with both parties, upon request.

If the Accused Student(s) fails to respond within six (6) business days of the date of the communication, the Dean for Special Student Services may proceed with scheduling and convene a hearing to resolve the matter.

A plea of "Not Responsible" by the Accused Student(s) will result in an automatic remanding the case to the appropriate hearing board or to an Administrative Hearing Office at the discretion of the Dean for Special Student Services. The Accused Student(s) and the Complainant(s) will be notified by mail of the date, time and place of the hearing.

All "Responsible" pleas by the Accused will result in an ODSSS review of the case and determination of appropriate sanction(s) to be imposed. The Complainant will receive written notification of the sanction(s). The sanction(s), not the plea, may be appealed in writing to ODSSS using the process for Filing an Appeal outlined in Section XVI, except when the Dean for Special Student Services appoints an Appeals Hearing Officer during periods when an Appeals Board cannot be convened.

## SECTION VIII: PROHIBITED BEHAVIORS

The following is an illustrative list of the types of conduct, including actual conduct and attempts to engage in such conduct, which are prohibited by this Code. A reasonable suspicion that a student has engaged in or attempted to engage in, such prohibited conduct will result in the immediate consideration of disciplinary action under this Code.

# GENERAL ADMISSIONS REQUIREMENTS

## 1. Safety

- A. Causing any condition that jeopardizes the safety of individuals, groups of individuals, or the University community; participating in conduct or behavior that explicitly endangers the safety and well-being of oneself or others.
- B. Tampering with safety measures or devices, such as alarm systems, fire extinguishers, exit signs, emergency phone systems, smoke or heat detectors, fire hoses, security systems, locked exterior or interior doors, and sprinkler systems.
- C. Failing to conform to safety regulations, such as falsely reporting an incident, failure to evacuate facilities in a timely fashion in emergency situations or in response to fire alarms, inappropriate use of the alarm system, and similar conduct.
- D. Falsely reporting the presence or threat of a bomb or any other dangerous device or condition.
- E. Having the knowledge of and not reporting an event or act that would potentially endanger members of the University community.

## 2. Weapons

- A. Possession of weapons including firearms, items that eject projectiles, knives, or any item that any reasonable person would consider to have the possibility of doing bodily harm.
- B. Possessing, using, storing, or transporting firearms, other weapons, explosives, fireworks, ammunition, tear gas or dangerous chemicals, except as authorized for use in class, or in connection with University-sponsored research or other approved activities.

## 3. Discrimination

Engaging in verbal or physical behavior directed at an individual or group based on national origin, race, creed, gender, religious beliefs, or sexual orientation that, according to a person of reasonable sensibilities, is likely to create an intimidating or demeaning environment that impedes the access of other students, faculty and staff to the educational benefits available to them as a member of the University community. The Code includes bias-related or hate crimes as defined in the DC Code. Wearing articles of clothing with derogatory, racist, discriminatory, patently offensive, profane, sexually explicit, or graphic messages either in words or pictures, which demonstrate bias or discrimination against any individual or group within the University community.

## 4. Harassment

Engaging in verbal, electronic, visual, written or physical behavior directed at an individual or group that, in the view of a person of reasonable sensibilities, is likely to provoke or otherwise result in, a negative or injurious response, mental or emotional distress, or related reaction or consequence. This behavior may include:

- A. Making an expressed or implied threat affecting another person's academic pursuits, University employment, or participation in activities sponsored by the University or organizations or groups related to the University, or;

# GENERAL ADMISSIONS REQUIREMENTS

**B.** Engaging in unwarranted obstruction or interference with respect to educational, campus activity, or

personal pursuits, employment or participation, which includes but is not limited to: behaviors or communications which detract or interfere with an instructor's ability to provide instruction in the classroom, laboratory, clinical practicum or clerkship, or any activity directly related to teaching, instruction or academic advisement and counseling, or any academic support services throughout the University community.

**C.** Creating an intimidating or demeaning situation or environment or inflicting personal, social, academic, psychological or emotional harm, or undue stress.

## 5. Sexual Harassment

The "Howard University Policy Against Sexual Harassment and Gender Based Discrimination in Education Programs and Activities" covers undergraduate, graduate and professional students, teaching and graduate assistants. With respect to academic programs and activities, "sexual harassment" shall mean unwelcome sexual advances, requests for sexual favors, and other electronic, verbal, visual, written or physical conduct of a sexual nature, when:

- A.** Submission to such conduct is made either explicitly or implicitly as a basis for any decision affecting the terms or conditions of participation in any organization, program or activity, or status or evaluation (including grades) in an academic course; or
- B.** Such conduct has the purpose or effect of unreasonably interfering with a student's educational right, privilege, advantage, or opportunity.
- C.** Such conduct is so pervasive or severe that it creates an intimidating, stressful, hostile, or offensive environment for learning and has no reasonable relationship to the subject matter of the relevant course of instruction.

## 6. Assault

Any willful attempt or threat to inflict injury upon the person of another, when coupled with an apparent present ability to do so, and any intentional display of force such as would give the victim reason to fear bodily harm constitutes an assault. An assault may be committed without actually touching or striking, or doing bodily harm. Self-defense may be a mitigating factor to this charge, depending on the circumstances.

## 7. Sexual Abuse

Sexual abuse occurs when the act is intentional and is committed either by:

Physical force, violence, threat, or intimidation;

Ignoring the objections of another person;

Causing another's intoxication or impairment through the use of drugs or alcohol;

Taking advantage of another person's incapacitation, state of intimidation, helplessness, or other inability to consent.

# GENERAL ADMISSIONS REQUIREMENTS

- SAP appeal form with type of suspension indicated per your BisonWeb account,
- Detailed type-written narrative of what led to your suspension status, and explanation of what you intend to do to improve your plan of action, and:
- Copies of all supporting documentation attached.

Mitigating circumstances may include, but are not limited to extreme illness or injury, family crisis, or death of an immediate relative. The circumstances must be documented and will not be considered for approval without the supplemental documentation attached. Examples of documentation include medical documentation, birth or death certificates, etc. Please do not submit letters of stipulation from your school/college along with your appeal documents. If at the end of an academic school year, you have found yourself to be suspended, you may appeal to have your current SAP status reviewed by attending a summer session at Howard University and increasing your GPA or earned credits and then appealing once those grades have been submitted to the Office of the Registrar. It will not be until the summer courses are updated to your account that an evaluation of your courses can be made. Please monitor your BisonWeb account for appropriate updates as well as the email address you have provided on your appeal form. Summer credits will count toward determining your maximum eligibility for the next school year. You must complete the appeal process at the end of the summer term. Summer credits will count toward determining your maximum eligibility for next school year.

Once your appeal has been received and reviewed by the Appeals Committee, you will receive written notification of the committee's decision by email to the address you have provided in your appeal packet. You will also notice the appropriate changes made to your award package on your BisonWeb account. **Note:** All incomplete appeals will be denied. All appeal decisions are **final** and the submission of a SAP appeal does not guarantee reinstatement of aid eligibility. **Students who are currently SAP suspended are strongly advised to create alternate financial plans in the event your appeal is denied.**

## **Additional SAP Requirements**

If you are listed as being SUSPENDED FROM THE UNIVERSITY, the appeal process is two-fold. Step 1: You must appeal to your school/college as well as Step 2: the Office of Financial Aid. It is your responsibility to stay abreast of deadlines. Stipulation letters do not ensure financial aid reinstatement and one is not contingent upon the other. For further inquiries please contact the Office of Financial Aid at <http://www.howard.edu/financialaid/contacts/staff-finaid.htm>

Although you may not be receiving financial aid, you will be evaluated for financial aid eligibility on the same basis as students who receive federal and state aid. Should you apply for aid, your eligibility will be based on your prior academic performance at Howard University.

- If you are enrolled in a dual degree program, you may appeal for an extension of the maximum time frame provision of this policy.
- If you are an undergraduate student pursuing a second degree, you may attempt an additional 48 credit hours to complete your second degree program, including prerequisite courses. Graduate/professional students may attempt an additional 24 credit hours.

# GENERAL ADMISSIONS REQUIREMENTS

- **If you are a transfer student, your maximum eligibility will be reduced by the number of transfer credits accepted by Howard University.**

Credits you have earned at foreign institutions will be included in your SAP evaluation provided they are applicable to the degree/program sought.

Courses in which you receive a grade of 'I' (incomplete) accompanied by a letter grade will be considered when evaluating your completion ratio and will influence your term and cumulative GPA. All attempted and earned credits are considered in maximum eligibility determination.

Courses in which you receive a grade of 'W' (withdrawal) do not earn credits or affect your GPA, but they will be considered when evaluating your maximum eligibility. You may retake courses from which you withdraw and those credits will count toward determining your enrollment status and completion ratio, provided you have not earned credit for the same course.

If you are enrolled in undergraduate remedial courses, credits attempted/earned will count toward determining your enrollment status, minimum credits earned and maximum eligibility.

If you take undergraduate courses while you are a graduate student, courses that are satisfactorily completed do not earn graduate credit or influence your graduate GPA, nor will they count toward determining your enrollment status or minimum credits earned at the graduate level.

All undergraduate and prerequisite courses are evaluated in SAP Maximum Eligibility.

If you are taking courses to earn professional licensure, you must be admitted to a degree program in order to receive financial aid. Students completing licensure courses and are not seeking a bachelor's, master's, or doctoral degree are not eligible for financial aid.

The credits earned from repeated courses will count toward the determining your enrollment status and maximum eligibility. However, for purposes of financial aid satisfactory academic progress, only credits adding to the cumulative credits earned will be accepted toward the required minimum number of credits earned per year.

If you attend a summer session and wish those credits/grades to be considered for your fall and spring total, you must complete the appeal process at the end of the summer term. Summer credits will count toward determining your maximum eligibility.

## **FEDERAL FINANCIAL AID UNOFFICIAL WITHDRAWAL POLICY**

Howard University is required by federal law to identify and report any student who has unofficially withdrawn from the University and is a recipient of federal student aid. As a result of this requirement, it is the policy of Howard University that all faculty members, by the end of the Mid-term of each semester, identify students who have never attended class.

# GENERAL ADMISSIONS REQUIREMENTS

## SCHEDULE OF FINANCIAL ADJUSTMENTS AND/OR REFUNDS

Students who make changes to their academic program after the first day of instruction may be subject to adjusted or prorated tuition and fees. The adjustment periods and corresponding fee changes are listed in the University Calendar.

If the University cancels a students' registration, the refund is 100%. Please also note that the above refund policies apply to total semester charges. If a due date falls on Saturday, Sunday, or a holiday, the next business day shall be the deadline that will apply.

**NOTE: THE ENROLLMENT FEE IS NON-REFUNDABLE.**

## CONSORTIUM OF UNIVERSITIES OF THE WASHINGTON METROPOLITAN AREA (CUWMA)

The CUWMA is a cooperative arrangement in post-secondary education that is designed to permit the sharing of academic resources by member institutions and to offer qualified students the opportunity to enroll at other institutions for courses not available on their own campus.

Howard University offers its qualified undergraduates and graduates degree students the opportunity to enroll in courses at American University, Catholic University, Corcoran College, Gallaudet University, Georgetown University, George Mason University, George Washington University, Marymount University, Trinity University, University of the District of Columbia, and the University of Maryland-College Park.

**REGISTRATION FOR THE CONSORTIUM PROGRAM IS COMPLETED AT HOWARD UNIVERSITY BY THE CONSORTIUM COORDINATOR IN THE OFFICE OF THE REGISTRAR.**

**HOWARD UNIVERSITY STUDENTS DO NOT HAVE TO REGISTER AT THE VISITED INSTITUTION.**

### Requirements:

- Must be a fully admitted degree seeking student.
- Must be and remain in good Academic and Financial Standing in order to apply for the Consortium Program.
- Consortium credit hours cannot exceed the number of credits registered for at HU. Students who drop below the required credits at HU, your Consortium registration will be canceled no exceptions.

### Procedure:

- Check class schedules of the Consortium Institutions at [www.consortium.org](http://www.consortium.org)

**\*\*\*Availability of classes cannot be guaranteed. Courses may be closed or subject to approval from the dean/department at the visited institutions. If special permission is needed, Students must obtain written permission from the instructor and submit it with the Consortium Registration form.**



# GENERAL ADMISSIONS REQUIREMENTS

## Please Note.

Consortium Registration dates are determined by HU Registration dates.

All Consortium Registration for Howard Students is completed by the HU Consortium Coordinator. Once registration is completed at HU, students may be required to present consortium registration form.

Consortium courses will be added to students HU schedule.

Consortium institutions do not register visiting Consortium students until the first week of class.

The University of Maryland does not register visiting Consortium students until the first day of classes.

Students must adhere to HU drop and withdrawal deadline. To drop or withdraw students must contact the Consortium Coordinator.

All grades are submitted to the HU Coordinator and will be posted upon receipt. Grades may be delayed depending on the administrative processes of the home and visited institutions.

Submitting a registration form is not confirmation of registration at the Host institutions. Students will receive a registration confirmation via email from the Host institution at the beginning of the semester. Any fee or extra expense attached to a course or tutoring service is not covered in the Consortium Agreement and must be paid by the student to the institution administering the course or service.

Any Prospective Graduate interested in participating in the Consortium Program take note: HU semester usually ends earlier than most of the host institutions. Therefore, be advised that grades may not be submitted in time to meet HU graduation deadline.

It is taken into consideration that some institutions' semester may start later than HU. In these cases, the Drop deadline for Consortium only extends to the first day, and only the first day, of classes at the visited Consortium institution. This Extension does not apply to Howard University Classes. Students are required to inform the Consortium Coordinator the very next day of your intention to drop the class. Any decision to drop after the first day of classes at the host institution will result into a withdrawal (W for that class).

If the course is canceled, please contact the Consortium Coordinator immediately.

To drop or withdraw from a Consortium course, students must report immediately to the Consortium Coordinator and complete a withdrawal form. CONSORTIUM COURSES SHOULD NOT BE DROPPED ON BISONWEB. Consortium grades for Howard University students are received in the Office of the Registrar and automatically recorded on the student's permanent academic record.

Consortium information and materials are available in the Office of the Registrar located in the Administration Building-Suite 105.

# GENERAL ADMISSIONS REQUIREMENTS

## GENERAL ACADEMIC INFORMATION

### Definition of a Credit Hour

In accord with federal regulations, a credit hour is an amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally established equivalency that reasonably approximates:

Not less than one hour of classroom or direct faculty instruction and a minimum of two hours out of class student work each week for approximately fifteen weeks for one semester;

At least an equivalent amount of work as outlined in item 1 above for other academic activities as established by the institution including laboratory work, internships, practica, studio work, and other academic work leading to the award of credit hours.

### Credit or credit hour

A unit of measure representing the equivalent of an hour (50 minutes) of instruction per week over the entire term. It is applied toward the total number of credit hours needed for completing the requirements for a degree, diploma or certificate, or another award.)

### Curriculum Review

The Curriculum Committees and Deans of each School or College are charged with following the policy on credit hours in their review and approval of all courses and for certifying that the expected student learning for the course meets the credit hour standard. The determination of credit hours is made when a new course or a revision to an existing course is proposed. The submitted syllabus is examined for contact time as well as for assignments and evaluation mechanisms.

### Examinations

The number of examinations administered in a course varies according to the method of instruction. Where midterm examinations are scheduled, they are given near the middle of each course. Final examinations are held at the end of each semester and are a required part of each course in most schools and colleges. For additional information and exceptions to the above, students should consult the individual schools and colleges.

### Classification of Students

The number of credits which each student has accumulated determines that student's classification. Students who have received a score of three or higher on any of the Advanced Placement Examinations of the College Board will be eligible, in the area of each examination, for advanced placement and credit toward graduation as determined by the appropriate department. They will also qualify for exemption from certain general education courses as specified by the dean on the basis of the student's total record. Students may not receive credit toward graduation for Howard University courses that are equivalent to courses for which they have received advanced placement credit. All other advanced standing is determined by the individual schools and colleges within Howard University.

# GENERAL ADMISSIONS REQUIREMENTS

## Major

A major sequence of study is a series of courses prescribed by a given department as necessary for a concentration in that department. A major ordinarily includes 30 to 39 credits earned in a single department or in closely related departments.

## Minor

A minor sequence of study is a combination of courses intended to broaden students' perspectives and buttress their major areas of concentration. A minor generally consists of 15 to 18 credits earned in one or more areas outside of the student's major department.

## Elective

An elective is a course which students may choose to take for credit toward earning their degrees.

## Grading System

Except where indicated otherwise in school/college bulletins, the following grading system is used at Howard University: A—excellent scholarship, 90 and above; B—good, 80 to 89; C—fair, 70 to 79; D—poor, 60 to 69; F—failure, below 60; W—withdrawal, has no grade value and is, therefore, not calculated in the term of cumulative grade point average; I—incomplete. A grade of D cannot be raised to a higher grade by re-examination. Required courses in which students receive failing grades must be repeated.

## Grade Point Average (GPA)

The grade point average is determined by multiplying the number of credit hours of the course by the point value of the grade received for the course (A, 4; B, 3; C, 2; D, 1; F, 0; W not calculated). The resulting products (quality points) are then summed and divided by the total number of credit hours. The grade point average is computed for all courses attempted, excluding courses repeated.

## Program of Study

Effective Fall 2013, a total of 120 credits are required for the baccalaureate degree\*. The typical program includes a major field (21-78 credits), a minor field (12 - 39 credits), a core group of general education studies, and electives. The specific details of the general education requirement vary among the schools.

\* Specialized programs in studio art and architecture have additional credit hour requirements.

## Afro-American Studies Requirement

All undergraduate students are required to complete at least one course in Afro-American studies. Courses which satisfy this requirement are offered by several departments.

## Residency Requirement

The majority of the individual schools and colleges at Howard University require that students spend the last 30 credit hours of undergraduate study in residence at the University in the school or college in which the degree is awarded.

# GENERAL ADMISSIONS REQUIREMENTS

## **GPA Requirement for Graduation**

To receive a Bachelor of Arts or Bachelor of Science degree, students must have a cumulative grade point average of at least 2.0 on a 4.0 scale. Additional grade requirements are determined by degree-granting School or College.

## **Honors**

Students will be graduated with honors under the following conditions: those with a cumulative grade point average (GPA) ranging from 3.20 through 3.49 will be graduated cum laude; those with a cumulative GPA ranging from 3.50 through 3.79 will be graduated magna cum laude, and those with a cumulative GPA of 3.80 or higher will be graduated summa cum laude.

Grades in noncredit courses are not considered in determining eligibility for honors. Although the policy varies according to the individual schools and colleges within the University, generally students are not eligible to receive these distinctions at graduation if they have not completed the last half of the work required for their degree in residence at Howard; if they have repeated courses to raise their GPA; or if they have not carried at least 12 credits for each semester enrolled, with the exception of the last semester in residence.

Students who have excelled academically are honored by having their names placed on the Dean's Honor Roll. Generally, this honor roll is published annually and includes honor students from the preceding school year. The GPA required differs among the schools and colleges according to their specific policies.

## **Time Limitation**

There is no strict regulation with respect to the total amount of time in which undergraduate students must fulfill their degree requirements, provided they maintain an appropriate grade point average and give evidence of being seriously interested in the eventual achievement of their academic objectives.

## **ACADEMIC SUSPENSION**

Any student who fails to remove his/her probationary status within one semester, exclusive of summer sessions, will be suspended. Official notification of suspension will be sent from the Office of the Registrar.

A one-semester extension of the probationary period may be requested by appealing in writing to the Dean of the School or College no later than 60 days prior to the first day of classes for the fall semester and 15 days prior to the first day of classes for the spring semester.

If the appeal is granted, the student will be required to follow specific stipulations during the extension period.

If the appeal is denied, the student is not eligible for readmission for at least one semester.

# GENERAL ADMISSIONS REQUIREMENTS

## **READMISSION POLICY ON ACADEMIC PROBATION & SUSPENSION**

A student enrolled in any of the undergraduate schools and colleges whose cumulative grade point average is less than 2.0 at the end of the first semester or any subsequent semester will incur academic probation. Students who have achieved junior status or are in the professional phase of the following programs will incur probation if their cumulative grade point average falls below 2.5 in the School of Education, The College of Pharmacy, and The College of Nursing and Allied Health Sciences.

### **Regulations Governing Students on Probation**

Students on probation must adhere to the following conditions for continued enrollment:

Enroll in a maximum of 13 credit hours if full-time, and seven hours if part-time.

Establish and maintain contact with their designated school/college advisor (Dean, faculty advisor, advisory center, or student services unit) for academic advising, counseling, assistance, and referral to support services at least once per month.

Probationary status will be removed when the student has achieved a cumulative average of at least 2.0.

Probationary status must be removed within one semester, exclusive of summer sessions, or the student will incur a suspension.

Any student who voluntarily withdraws from the University while on probation will be subject to stipulations as a condition for readmission.

## **READMISSION AFTER ACADEMIC SUSPENSION**

Requests for readmission must be initiated by submitting to the Office of Admission, at least 60 days prior to the registration period, an application for admission and, a completed petition for readmission to the school or college in which the student was last enrolled.

The request should include a description of the student's activities during the suspension period, the steps that have been taken to ensure success if the request is approved, and appropriate supporting documentation.

Requests for readmission will be reviewed by the appropriate designee of the school of last attendance and an admission committee, which will render a decision based on the student's previous academic record, contents of the request for readmission, and other relevant factors.

Upon readmission after suspension, students must adhere to the conditions outlined below. Failure to meet these stipulations will result in automatic suspension from the University.

The student shall establish and maintain contact (at least once per month) with designated school/college advisor (Dean, faculty advisor, advisory center, or student services unit) for academic advising, counseling, assistance, and referral to support services.

The student shall enroll in appropriate courses in the Center for Academic Reinforcement and/or other support programs as stipulated by the admission committee.

# GENERAL ADMISSIONS REQUIREMENTS

Enroll in a maximum of 13 credit hours if full-time, and seven credit hours if part-time, until the cumulative grade point average meets the requirement for removal of probation.

Remove all deficiencies during the next semester of enrollment (or the next semester when the courses are offered) before proceeding with the published program for their degree.

Earn a minimum grade of C in each course or earn the required grade point average stipulated by the admission committee until the cumulative grade point average meets the requirements for the removal of probation.

Failure to meet the above conditions may result in academic suspension.

## GRADE POINTS & GRADE POINT AVERAGE (GPA)

The grade point value is determined by multiplying the number of credits (also called hours) a course yields by the grade received for the course. Grades yield points as follows: A = 4; B = 3; C = 2; D = 1; F = 0; W, AD, P, S, U, and UW (not calculated).

The semester grade point average (GPA) is obtained by dividing the number of semester grade points earned by the number of credits attempted for the semester. For example, a student attempts five courses totaling 13 credits for the semester, and receives grades as follows:

Course 1 (3 credits) – “A” Course 2 (3 credits) – “B”

Course 3 (2 credits) – “B” Course 4 (1 credit) – “C”

Course 5 (4 credits) – “D”

Total semester grade points earned for courses 1 through 5 are respectively:  $(3 \times 4) + (3 \times 3) + (2 \times 3) + (1 \times 2) + (4 \times 1) = (12 + 9 + 6 + 2 + 4) = 33$ . **Semester GPA =  $33 \div 13 = 2.54$ .**

The cumulative (or overall) GPA is determined by dividing the number of cumulative (or total) grade points earned at Howard University (including grade points for the most recent grading period) by the cumulative (i.e., total) number of credits attempted at Howard University. For example, a student who has previously attempted 65 credits at Howard University and earned 160-grade points with an old cumulative GPA of  $160 \div 65 = 2.46$ . The new cumulative number of credits attempted at Howard University =  $65 + 13 = 78$ ; and the new cumulative grade points earned =  $160 + 33 = 193$ . The new cumulative GPA =  $193 \div 78 = 2.47$ .

The grade point average is computed for all courses not officially canceled that have been taken and/or repeated in the student’s program of study.

**ALL INCOMPLETE GRADES** (other than grades for Thesis & Research) must be completed by the student no later than the last day of classes of the next semester of enrollment. Instructors must submit Special Grade Reports for removing incomplete grades by the last day of the semester.

# GENERAL ADMISSIONS REQUIREMENTS

## SEMESTER GRADES

At the end of each semester, semester grades are available to students via the BisonWeb. Semester grades will be mailed to parents when authorized by the student.

## COURSE REPEAT POLICY

An undergraduate student may repeat only once a course for which he/she has received a grade of "D" or "F". The lower grade will not be counted in the computation of the GPA.

Exceptions to repeating a course more than once will be made only if it is a major or minor requirement for which the minimum grade of "C" is required, or if a student is ineligible to advance to the next level without a passing grade. All subsequent repeats, after the first one, will be counted in computing the GPA.

In all course repeats, the failing or previous grade is not expunged from the academic record. Students are not eligible to graduate with honors if they have repeated a course(s); they have not carried at least 12 credits for each semester enrolled, with the exception of the last semester in residence, and they have not completed the last half of the work required for their degree in residence at Howard University.

**SPECIAL NOTE:** In all cases of course repeats the failing or previous grade is NOT expunged from the academic record.

## TRANSCRIPTS

Academic transcripts are issued by the Office of the Registrar, which is the University-designated office for maintaining official academic records of all students currently or previously enrolled. Students are encouraged to use BisonWeb to request transcripts and pay the \$5.00 fee with a credit card online. Students who are unable to use BisonWeb to request a transcript may submit a request in writing. Written requests for transcripts will be honored only if the following conditions are met: requests must contain the written SIGNATURE OF THE STUDENT OR FORMER STUDENT whose record is being requested; student must be CLEARED FINANCIALLY (have no "holds" on account especially holds by Student Financial Services request must contain HU identification number or other information to allow us to identify the record (e.g. social security number, date of birth) in cases where the student does not remember the identification number; and the request must be accompanied by a \$5.00 fee by check or money order to Howard University.

Students who wish to review their grades or their complete academic record can do so via BisonWeb and print out semester reports of their entire record. All transcript requests will be honored as expeditiously as possible (usually processed within 24 hours of receipt in the Office of the Registrar).

Transcript requests that must be accompanied by special forms to be completed by schools for licensing or other accrediting agencies, will also require greater turnaround time to process. Please plan accordingly to allow sufficient time to meet your individual needs. Transcripts requested for "pick up" at the service window will be held for 30 days only. After 30 days, students will need to submit a new request and fee. See the Office of the Registrar website for information on additional policies that may apply.

# GENERAL ADMISSIONS REQUIREMENTS

Academic transcripts issued by the Office of the Registrar reflects, in chronological order, the COMPLETE and UNABRIDGED history of ALL academic endeavors attempted and/or earned by the student. "Partial" transcripts are not furnished.

## **CERTIFICATION OF ENROLLMENT**

Certifications consist of written verification of a variety of student enrollment-related data such as date(s) of attendance full-time/part-time status, and degree(s) received. Currently enrolled and former students can access BisonWeb for an Enrollment Verification Certificate. Some certifications may be furnished directly to various individuals or agencies such as prospective employers, official investigators, lending institutions, or government agencies. Howard University has authorized the National Student Clearinghouse to provide enrollment information for such requests. The National Student Clearinghouse can be contacted at:

**Web:** [www.degreeverify.org](http://www.degreeverify.org).

**Mail:** National Student Clearinghouse  
2300 Dulles Station Boulevard, Suite 300  
Herndon, VA 20171

In all such cases, the information released about students shall satisfy the provisions of the Family Educational Rights and Privacy Act of 1974 and University policy.

## **VARIOUS STUDENT SERVICES AND SUPPORT**

### **VETERANS' AFFAIRS**

<http://www.howard.edu/specialstudentservices/VeteransAffairs.htm>

Howard University is approved by the District of Columbia State Approving Agency for the enrollment of veterans, service personnel, and dependents of deceased or disabled veterans who are eligible for educational benefits under the G.I. Bill.

With the exception of VA-approved disabled veterans, all beneficiaries of educational benefits from the Veterans Administration are personally responsible for the payment of their bills to the University. These individuals should be financially prepared to pay tuition and fees at the time of registration each semester and to meet all living expenses until VA educational allowances (checks) are received (approximately 60 days).

Services and/or assistance to G.I. Bill students studying at Howard University are available through the Office of the Dean for Special Student Services, in the following areas: academic tutoring, housing, financial aid, employment, and other areas of special interest or concern. The Office of Veterans' Affairs is located in Room 725, Howard Center, Howard University, Washington, DC, 20059 (202) 238-2420.



# GENERAL ADMISSIONS REQUIREMENTS

## DISABLED STUDENT SERVICES

<http://www.howard.edu/specialstudentservices/DisabledStudents.htm#eligible>

Handicapped or disabled students, who would like to be familiarized with the University campus, its programs, activities, or services, are invited to telephone, visit, or write the Dean for Special Student Services, Room 725, Howard Center, Howard University, Washington, DC, 20059, (202) 238-2420. A comprehensive program of orientation is available.

## ROTC

ROTC offers a program that leads to a commission as an officer in the Army or the Air Force. It is an elective and can be taken by those who desire it just like any other course. For additional information, call Army ROTC at (202) 806-6784 or Air Force ROTC at (202) 806-6788.

## INTERNATIONAL STUDENTS

Immigration and Naturalization Service (INS) regulations governing nonimmigrant international students require that all students in the "F-1" and "M-1" visa categories be engaged in a full course of study. Undergraduates with "F-1" visas are required to be registered at all times for a minimum of 12 credit hours of course work. Graduate students with "F-1" visas and all "J-1" visa holders are not required to take a specific number of credit hours as long as they are engaged in a full course of study as determined by their departments. Students must maintain full-time status throughout the semester. A student who begins with 12 credit hours or more but then drops courses later and no longer carries 12 credit hours is considered a part-time student. Students who do not meet these requirements are in violation of their immigration status and jeopardize their stay in the United States. All financial arrangements for study at Howard University must be made prior to registration time.

It is each student's responsibility to maintain legal immigration status while in the United States and must make sure that their authorized stay in the country has not expired (see I-94 form); that their passports are valid for at least 6 months at all times; that they are registered every semester as a full-time student; that they do not work off campus without permission of the INS; that they attend the school that the INS last authorized you to attend.

International students must apply to INS to (1) extend their authorized stay in the United States, (2) obtain permission to work off campus and (3) transfer from Howard University to another school or from another school to Howard University. Further information and appropriate application forms can be obtained from [International Student Services in Room G- Administration Building.]

If a student's immigration status change for any reason – for example, from a tourist visa to student visa or from student visa to permanent resident – are required to immediately inform International Student Services so that the University will have accurate records. International students are required to provide their current address.

# GENERAL ADMISSIONS REQUIREMENTS

## PHOTO IDENTIFICATION CARDS

Student photo ID cards are issued by the BisonOne Card Office to incoming students (i.e., New Students, Transfer Students, and Former Students Returning) during the official registration period for a given semester. Each officially enrolled Howard University student is expected to maintain continuous possession of his/her photo ID card throughout his/her period of attendance at the University.

Replacement of photo ID cards that are lost, stolen, or damaged, may be obtained at the I-Lab Photo ID room located at the Bryant Street side entrance of 2301 Georgia Avenue. In order to secure a replacement ID, students must pay a \$25.00 fee and present an acceptable photo ID.

## BOOKSTORES

**THE UNIVERSITY BOOKSTORE** is located at 2225 Georgia Ave. NW. It stocks textbooks, reference materials, academic supplies, art, computer hardware, software, apparel, and gifts. Hours of operation are 9:00 am to 6:00 pm Monday through Friday (except Thursday); 9:00 am to 7:00 pm Thursday; 10:00 am to 4:00 pm Saturday. To contact the Howard University Bookstore, please call (202) 238-2640.

**THE SCHOOL OF LAW BOOKSTORE** is located at 2900 Van Ness St. NW on the lower level of Holy Cross Hall. It provides course books, study aids, legal outlines, school supplies, and convenience items. Hours of operation are 9:00 am to 5:00 pm Monday through Friday. To contact the School of Law Bookstore, please call (202) 806-8108.

## THE OFFICE OF UNDERGRADUATE STUDIES

The mission of **Office of Undergraduate Studies** is to facilitate the successful matriculation of undergraduate students by offering academic support services and programs that will result in improved persistence, retention, and graduation rates. Specific services include:

- Academic advising and retention counseling
- Graduation clearance and degree completion support
- Academic policy and petition guidance
- Academic support courses, workshops, and services
- Professional development opportunities for staff and faculty advisers
- Honors and scholar development programs
- Academic mentoring
- New student orientation
- Transfer student support services
- Comprehensive career services

## THE UNIVERSITY COUNSELING SERVICE

The **University Counseling Service** has a staff of professionally trained counselors and psychologists available to assist students with their concerns. The UCS offers educational, career, and personal counseling on either an individual or group basis. Services are at no cost to all registered students – regardless of college or school in which the student is enrolled.

The University Counseling Service is located in the C.B. Powell Building Wing 1, Ground and First Floors. Students are welcome to call for an appointment or to drop in for a visit between 8:00 am and 6:00 pm, Monday through Friday. For further inquiries on the University Counseling Service, please call (202) 806-6870.

# GENERAL ADMISSIONS REQUIREMENTS

## STUDENT RECORDS

POLICY GOVERNING THE MAINTENANCE OF STUDENT RECORDS, THE RIGHTS OF STUDENTS REGARDING SUCH RECORDS, AND THE RELEASE OF INFORMATION ON STUDENTS TO THIRD PARTIES  
Approved by the Board of Trustees, September 27, 1975

*IT IS THE POLICY OF THE BOARD OF TRUSTEES OF HOWARD UNIVERSITY THAT:*

Students should have access to information about themselves in the University record-keeping systems. An individual student shall be accorded the right to correct or amend, upon reasonable request, an inaccurate record. The information contained in a student's educational record file shall not be disclosed or used for other than authorized University purposes without his or her written consent unless required by law. Student files shall be retained for a reasonable period of time. The Office of the Vice President for Student Affairs is hereby charged with the responsibility of implementing the policy within the following guidelines.

### GUIDELINES

**Confidential Nature of Student Records**—Student educational records, except as herein set forth in this policy statement, shall be kept confidential, with respect to requests made by all persons other than appropriate school officials, as determined by the President, or other Executive level officers of the University or parents of a dependent student, as defined for income tax deduction purposes in Section 152 of the U.S. Internal Revenue Code.

**Release of Information to Investigators** – When written consent has been received by the University from a student who is the subject of a governmental or employment investigation, information requested by such investigator from records or such students may be released through authorized staff personnel of the University within whose offices such records are maintained upon proper identification of the investigator. Investigators must adequately identify themselves through the display of official credentials, must indicate the agency they represent and demonstrate a satisfactory basis for their request. Even as to such investigators, information in student records, not priority released will be withheld if a student timely notifies Office of the Registrar in writing that he or she has withdrawn his or her prior consent. Student consent forms with reference to their educational records should be filed with the Office of the Registrar that will, in turn, notify appropriate offices of the University that such consent has been given and in the event, such consent is withdrawn will direct these offices to discontinue release of such information.

**Student Educational Records** – The Office of the Vice President for Student Affairs shall prepare annually a list of the various categories of student educational records extant in the University. This list shall be promulgated in such ways as to afford students an opportunity to know of the kinds of records kept and their location. The list shall contain a summary explanation of the kinds of records kept under each category (e.g., Academic Records), and the cost, if any, which will be charged to the parent or student for reproducing copies of such records. It shall be known as the Student Educational Records List.

**Student Addresses and Telephones** – Officers and employees of the University will not normally release addresses or telephone numbers of students to persons not officially connected with the University. There may be an exception in cases of emergencies. Requests under claimed emergencies will be referred to the Office of the Dean for Special Student Services or the Office of the Dean of Residence Life for the purpose of making a judgment as to whether, under the circumstances, such information should be released.

# GENERAL ADMISSIONS REQUIREMENTS

## **Student Review of Records**

A student may make a written request to review an educational record of a type found on the Student Educational Record List at any appropriate University office at any reasonable time. Upon receipt of such requests, the office involved will make the arrangements necessary to accommodate requests for review of student records as soon thereafter as practicable. A student may waive in writing the right to review letters of recommendation written on his or her behalf or at his or her request which has been placed in his or her educational record after January 1, 1975. If a student challenges the contents of his or her student educational records on the grounds that they are either inaccurate, misleading or otherwise recorded in violation of his or her rights he or she shall be accorded a hearing in order to provide an opportunity for the correction or deletion of any inaccurate, misleading or otherwise inappropriate data contained therein, and to insert into such record, where found to be warranted, a written explanation from an appropriate source respecting the content of such records. The hearing shall be conducted by a person designated by the President of the University or his designee. Such person shall not have a direct interest in the outcome of the hearing. It should be expressly understood that such a hearing is not to be used as a forum to contest whether a teacher should have assigned a higher grade because a student or parent believes that the student was entitled to a higher grade.

## **Records Not Subject to Review**

Records maintained by the University with respect to which a student does not have a right of review include but are not limited to instructors' or administrators' notes, financial statements submitted by parents in support of applications for financial aid, and letters of recommendation received by the University prior to January 1, 1975.

## **Faculty Review of Student Academic Record**

Individual faculty members may review academic records of their students with the students' consent, except that such consent shall not be necessary for faculty members who serve as advisors and other administrative officers or counselors of the University in the discharge of their official functions.

## **Research Involving Student Records**

The University recognizes research by graduate students, faculty, and administrative staff as a fundamental component of its overall mission. Occasionally such research involves the use of data that is to be extracted from student records which are essentially confidential. Approval to conduct such research must first be obtained from the person in charge of the involved discipline(s) and, following this, authorization to utilize student records must be obtained from the administrative officer under whose jurisdiction the records which are to be utilized are maintained. In such instances, the administrative officer maintaining custody of such records shall make every effort to ensure the anonymity of identifying information contained in the records utilized.

## **Removal of Records from Custodial Office**

Except, as required, in cases involving litigation, a student's permanent academic record may not be removed from the Office of the Registrar. Copies of the content of such records may be made available to administrative staff officials in conducting official business involving such records.

# GENERAL ADMISSIONS REQUIREMENTS

## Retention of Student Records

Admission applications (of individuals who actually enroll) and academic records shall be maintained indefinitely by the Office of the Registrar. Records of student financial indebtedness to the University shall be maintained on an indefinite basis. Health records on students shall be kept for a period of five years after graduation or anticipated date of graduation. Student personnel records shall be retained for two years following graduation. Disciplinary records of students involving sanctions less than expulsion or indefinite suspension shall be maintained by the Office of the Vice President for Student Affairs for a period of five years following the graduation of such individuals except that in cases where the student does not graduate, the record shall be maintained for a period of eight years following the last enrollment. Records of students who are expelled or suspended indefinitely, whether for academic, health or disciplinary reasons, shall be maintained on an indefinite basis. Records of convictions of students who are convicted in civil courts of (1) misdemeanors involving moral turpitude, and (2) all felonies may be retained by the Office of the Vice President for Student Affairs for a period of five and eight years, respectively, following such convictions.

## Requests for Judicial Process

When any subpoena or other judicial order is issued requesting information about a student, the officer receiving the order or subpoena shall immediately contact the Office of the General Counsel.

## ADMINISTRATIVE PROCEDURES RELATING TO THE RIGHTS OF STUDENTS REGARDING RECORDS MAINTAINED ON THEM BY HOWARD UNIVERSITY

1. The University will at least annually, provide notice to students, of the following:

- a. the types of educational records and information contained therein directly related to students and maintained by the University;
- b. the name, position, and campus location of the official responsible for the maintenance of each type of record to which students have a right of access; and
- c. the categories of information, if any, which the University has designated as directory information.

2. A student desiring to review a reviewable University record shall execute in writing a form entitled "Request for Review of Student Record" obtained from and provided by the office concerned. A record of all requests for review of records by students, including the disposition thereof, shall be maintained by all offices of the University in which such requests are made. In instances in which a student requests a review of the contents of a University record, the office involved shall provide for such review with an appropriate official of the office within a reasonable time. Costs incurred in connection with furnishing a student a copy of anything contained in the University record and requested by such student will be borne by the student. Such appropriate costs will be established by the Vice President for Fiscal Affairs in consultation with the Vice President for Student Affairs.

3. A student, who after having reviewed a University record, is of the opinion that such record contains information or material that is inaccurate, misleading or should not be maintained by the University, must first execute in writing a form entitled, "Request for Purge/Removal of University Record" obtained in the office concerned. Upon the receipt of such request, the administrative officer of the office involved shall carefully review the request and make an appropriate disposition.

# GENERAL ADMISSIONS REQUIREMENTS

In considering such request, the University official(s) involved will make a diligent effort to resolve the matter informally, amicably and in the best interests of the student and the University. If the student making the request objects to the action taken, he/she may request in writing a hearing in which the propriety of the action taken may be contested. It should be expressly understood that such a hearing is not to be used as a forum to contest whether a teacher should have assigned a higher grade because a student believes that he or she was entitled to a higher grade.

4. Upon notice that the student wishes to have a hearing, the office involved shall notify in writing the Office of the General Counsel of the University. A hearing officer, for the purpose of hearing appeals requested by students, shall be designated by the Office of the General Counsel. The hearing officer shall schedule the date, time and place of such hearing. Upon notice from the hearing office, the Dean or Director of the office involved shall provide written notification to the student as to the date, time and place of the hearing. The Dean or Director will select one person to be the University representative at such hearing.

5. At all such hearings, the student and the University representative will be accorded the following procedural rights:

- a. Advance notice of the date, time, and place of the scheduled hearing
- b. Personal appearance
- c. To present their case or have the same presented in their behalf by anyone of their choice;
- d. To present evidence and to call witnesses.

6. The hearing officer will render a written decision and provide the student petitioner and the University representative with a copy of the decision within a reasonable period following the conclusion of the hearing. Where the student involved receives an adverse decision, he shall have a right to petition the Vice President for Student Affairs for an appeal. Both the student and the University representative may submit a written argument in support of their position. The Vice President for Student Affairs may decide on the petition that no further hearing of the matter is required or he may decide to reopen the matter and hear the case over again. Where the Vice President for Student Affairs determines that there need be no further hearing, the decision rendered by the hearing officer will be final. Where the Vice President for Student Affairs decides to reopen the case, the decision rendered by him shall be final.

## **STUDENT EDUCATIONAL RECORD LIST**

Records the University maintains on students are described and listed below. Offices maintaining such records are specified and their locations indicated. These offices are open Monday through Friday (except holidays) from 8:30 am until 3:00 pm.

Academic records – Academic records on students contain applications for admission, (including applications for readmission), the Howard University permanent record (containing all grades duly recorded), instructors' grade reports, and copies of official forms or reports reflecting, special grade reports and records of all total withdrawals from the University by students. The above records are maintained by and located in Office of the Registrar, Suite 104, Mordecai Wyatt Johnson (Administration) Building.

# GENERAL ADMISSIONS REQUIREMENTS

## **SPECIAL NOTE ON ACADEMIC RECORDS**

Records bearing directly on the academic status of students are also maintained in the offices of the appropriate academic Dean, the department in which students' major programs are supervised and coordinated as well as the offices of student advisors of the respective schools and colleges in which such students are enrolled. These records generally include SAT (Scholastic Aptitude Test) and CEEB (College Entrance Examination Board) scores, high school transcripts, college/university transcripts for institutions previously attended, high school equivalency (GED) scores and certificates of completion (in specialized areas), and the like, such as-in the case of international students-a certificate evidencing adequate familiarity with the English language. The locations of these specific offices may be ascertained by inquiring at the office of the appropriate academic Dean.

## **Violations of the University Code of Conduct and Criminal Laws Records**

Records on individual students who have been implicated in violations of the University Code of Conduct and/or locally operative criminal laws and as a result of which the University Office of Security and Safety Services has become involved. Records of the above-listed incidents are maintained by and are located in the Office of Security and Safety Services, 2nd floor, Service Center Building, 2244 10th Street NW (202-806-1073).

## **Disciplinary Records, Student Misconduct Records, and Records of Infractions of Code of Conduct**

Records of student conduct involving infractions of conduct standards established for students are maintained by and are located in the Office of the Dean for Special Student Services, Room 725, Howard Center, 2225 Georgia Avenue.

## **Financial Aid Records**

Financial aid records of students contain applications for financial aid or part-time employment (including work study), credentials submitted in support of such applications' loans as well as information on action taken on such applications. These records are maintained by and are located in Financial Aid. Records of specialized financial aid which is pursued through direct application to departments of one's specialization are maintained by and located in such departments.

## **Student Financial Services**

An individual's account record reflects all financial transactions made with the University in connection with the payment of required tuition, fees, room rent, and special assessments such as library book charges, and the like. Any adjustment made in the account, for whatever reason, is similarly reflected. This record is maintained by and located in Student Financial Services/Student Accounts, Suite 115, Administration Building.

## **Student Employment**

Records are maintained on students who apply for employment through the Office of Career Planning and Placement. These records contain the subject's resume and letters of recommendation, if any, such as are submitted at his/her request. Such records are maintained by and are located in the Office of Career Planning and Placement, Wing I, Second Floor, C.B. Powell Building. Members of the faculty, student body, or staff who have questions regarding the information above are invited to inquire at the Office of the Dean for Special Student Services, Room 725, Howard Center on the main campus, or by telephone at (202) 806-2120.

# GENERAL ADMISSIONS REQUIREMENTS

## HOWARD UNIVERSITY STUDENT CODE OF CONDUCT AND JUDICIARIES

### PREAMBLE

Howard University affirms that the central purpose of a university is the pursuit of truth, the discovery of new knowledge through scholarly research, the teaching and overall development of students, and the transmission of knowledge and learning to the world at large. However, the establishment and maintenance of a community where there is freedom to teach and to learn is dependent on maintaining an appropriate sense of order that allows for the pursuit of these objectives in an environment that is both safe and free of invidious disruption.

Rules and regulations are necessary to mark the boundaries of this needed order. However, the rights of the individual demand that honesty, integrity, responsibility, and respect for persons and property must form the core values upon which those rules and regulations are based. All members of the University community share a mutual responsibility to practice these values.

It is expected that student conduct will be in concert with, and supportive of, the University's central purpose and core values. Examples of prohibited student behavior are described in this Student Code of Conduct ("Code"). Behaviors that reasonably indicate a violation of the Code will give rise to the immediate consideration of resolution through the University's disciplinary process.

The Code is applicable to all students, which includes all persons taking courses at the University, either full-time or part-time, pursuing undergraduate, graduate, professional or unclassified studies. Persons who withdraw after allegedly violating the Code, who are not officially enrolled for a particular semester or term, but have a continuing relationship with the University, or who have been notified of their acceptance for admission are considered "students," as are persons who are living in University residence halls, although not enrolled in this institution. Those persons include, but are not limited to new, continuing or transfer students, participants involved in pre-college programs, workshops, seminars, special classes, summer programs, athletic programs, and camps affiliated with the University. The Code applies to all locations of the University and to all student groups and organizations as referenced in the Code.

It is the responsibility and duty of students to become acquainted with all provisions of the Code. It is presumed that every student, from the date of his/her initial acceptance at the University, has knowledge of the Code, the Academic Code of Conduct, the University Code of Ethics and Conduct, as well as policies and procedures contained in the H-Book, the Bulletin, the Student Reference Manual, and the Directory of Classes. All students are deemed to have agreed to the Code and are required to adhere to the Code as a condition of enrollment at the University.

### SECTION I: SCOPE, LIMITATIONS, AND APPLICABILITY OF THE CODE

The Code applies to incidents occurring on campus and, as further explained below, to some situations occurring off-campus. Incidents that involve students and that occur at institutions that are part of the Washington Metropolitan Area Consortium of Universities are also subject to this Code. Students who are involved in clinical rotations, practicum, internships, externships or other activities directly involved with an academic program of study are also subject to the Code.



# GENERAL ADMISSIONS REQUIREMENTS

The actual daily administration, enforcement, and operation of the University's judicial program are delegated to the Office of the Dean for Special Student Services (ODSSS).

This Code does not address academic offenses. The University's schools and colleges administer the academic disciplinary process. Students must contact the appropriate school or college for information on disciplinary procedures regarding academic issues.

Judicial action against any student committing a violation of the Code off-campus will be considered on a case-by-case basis upon receipt of the filing by a Complainant of an Allegation of an Off-Campus Violation of the Howard University Student Code of Conduct form. The Complainant must obtain the form from the ODSSS, and the form must be completed and returned to that office. After review of the form, ODSSS will make a determination of its appropriateness for University disciplinary action. Examples of off-campus matters that would typically be excluded from resolution under the Code are landlord/tenant disputes, certain personal business matters with off-campus entities, and non-violent domestic issues. Disciplinary action may be taken with respect to any student convicted of, or charged with, a felony or misdemeanor, as delineated in Section V: Special Provisions on Students Charged With Or Convicted of A Criminal Act.

Depending on the severity or nature of the charge, students who violate the Code are subject to a range of disciplinary actions up to and including suspension or expulsion and may be barred from all University-owned and operated property and all University-sponsored events and activities. The consequences are serious for students who are charged and/or found guilty of misconduct under this Code. Therefore, any member of the University community, who knowingly and willfully misuses the procedures of the Code to harm another member of the University Community, shall be subject to disciplinary action.

## **SECTION II: COOPERATION WITH LAW ENFORCEMENT AUTHORITIES**

The University cooperates fully with law enforcement authorities and violations of the Code that are also violations of federal or local law may be referred to the appropriate non-University authority. Proceedings under the Code may be carried out prior to, simultaneously with, or following civil or criminal proceedings off-campus at the discretion of the Dean for Special Student Services. Determinations made or sanctions imposed under the Code shall not be subject to change because criminal charges arising out of the same facts as a result of the violation of University rules were dismissed, reduced, or resolved in favor of or against the criminal law defendant.

The Howard University Police Department (HUPD) works closely with area law enforcement agencies, particularly the Washington, DC Metropolitan Police Department (MPD). HUPD officers have full powers of arrest, search, and seizure on all University-owned and operated property and are usually the first to respond to calls for police services on campus. However, complainants may request that MPD respond to any reported offense or incident that may violate the law.

# GENERAL ADMISSIONS REQUIREMENTS

## SECTION III: STUDENT RIGHTS, FREEDOMS, AND RESPONSIBILITIES

With appreciation for the tradition of freedom of expression on campus, the University reasserts its commitment to fostering and tolerating different viewpoints. It acknowledges that points of view will diverge and that some students will believe it necessary to express themselves by means of protest. However, the University will not tolerate disruption to its academic mission nor the means of protest that interfere with the legitimate rights of others.

### 1. General Rights and Freedoms

Students shall have the following rights and freedoms:

As members of the University community, all students are guaranteed freedom of expression, inquiry, and assembly, the right to form a student government, organize groups, to join associations in support of any cause or common interest, and to peacefully protest, provided that such activity is conducted in a legal manner, is in accordance with University regulations, and does not abridge the rights of others.

Students have the right of fair access to all educational opportunities and benefits available at the University in an environment that is safe and free of invidious harassment, discrimination, or intimidation.

Students have a right to privacy in accordance with the policy expressed in the Family Educational Rights and Privacy Act of 1974 (FERPA).

Students have the right and responsibility to report, in good faith and without fear of retaliation, violations of this Code, the University Code of Ethics and Conduct, and violations of any other policy of the University, to appropriate academic or administrative officers of the University.

### 2. Procedural Rights and Freedoms

Students accused of violating this Code have the following rights:

To have access to all University policies and procedures regarding the functioning of the disciplinary process.

- a.) **To be informed of and to have explained as required the pending charges.**
- b.) **To be free from intimidation by University employees in the resolution of disciplinary matters.**
- c.) **To face accuser(s) and have the opportunity to cross-examine them and any witnesses.**
- d.) **To be free from searches or seizures unless based on reasonable cause by appropriate officials.**

In accordance with written procedures approved by the Vice President for Student Affairs, searches and seizures may be made by the Vice President for Student Affairs and his/her designee, housing staff, University officers and officials and University Police. To have a fair and impartial hearing before an appropriately appointed hearing board, appeal board, or Administrative Hearing Officer.

# GENERAL ADMISSIONS REQUIREMENTS

## 3. Responsibilities

All students share the following responsibilities:

- a.) To read, become familiar with and adhere to the Code, the University's Code of Ethics and Conduct, the Academic Code of Student Conduct, the Student Reference Manual, the H-Book, and the relevant academic Bulletin of the school or college in which the student is enrolled.
- b.) To respect the personal and property rights of others and to act in a responsible manner at all times.
- c.) To protect and foster the intellectual, academic, cultural, social, and other missions of the University.
- d.) To observe the laws of local, state, and federal governments.

## SECTION IV: EMERGENCY ACTION SUSPENSIONS AND INVOLUNTARY ADMINISTRATIVE TOTAL WITHDRAWALS

### 1. Emergency Action Suspension

As the Chief Executive Officer of the University, the President holds the ultimate authority in matters of student discipline. Unless otherwise exercised or modified by the President, this emergency authority is delegated to the Dean for Special Student Services.

On rare occasions, this authority may be exercised on an exigent basis to protect a student's own physical or emotional safety and well-being, University property and/or the health and safety of particular individuals and/or the University community, or to prevent the threat of disruption of, or interference with, the normal operations of the University. On such occasions, the President or Dean for Special Student Services may take emergency administrative action to immediately suspend a student's enrollment. The student will be notified in writing and/or orally of this action and the reasons for the suspension. An Emergency Action Suspension Hearing (EASH) will be held as soon as one can be convened, within thirty (30) days from notification of action. The purpose of the EASH will be to determine if the student may remain enrolled until a regular Disciplinary Hearing, as described in Section V of the Code, is held and a decision is rendered. The notice will include the time, date and place of the hearing.

### 2. Involuntary Administrative Total Withdrawals

In situations where the University cannot effectively monitor or control the conditions or behaviors of certain students, it reserves the right to effect an Involuntary Administrative Total Withdrawal. In circumstances where the mental, emotional and/or physical welfare of the student and the various elements of the University community are in jeopardy, or where the student's behavior and conduct becomes an imminent danger, it may become necessary to take emergency action to temporarily or permanently separate a student from the campus community. Further, the University reserves the right to contact the student's parent, guardian, or next of kin in the event of a medical emergency. The Family Education Rights and Privacy Act (FERPA, 34 CFR 99.36) provides for the release of normally protected student information when it is believed that the student represents a health or safety risk to self or others.

# GENERAL ADMISSIONS REQUIREMENTS

This policy will be instituted in the event that a student (a) demonstrates behaviors or lack of good judgment, suicidal behaviors, self-destructive behaviors, or has untreated or uncontrollable medical or mental conditions which result in actual or possible imminent danger of injury to themselves or members of the University community; (b) demonstrates an inability, without adequate care, to satisfy personal needs, to include activities of daily living, nourishment and maintenance of shelter; (c) demonstrates a behavior due to mental, emotional, or medical incapacitation which poses an imminent danger of causing significant property damage, or directly and substantially impedes the lawful activities of others, interferes with the educational process or the orderly operation of the University; or (d) fails to comply with requirements to adhere to the instructions and guidelines of the clinical/medical staff of the University Counseling Service, Student Health Center or Howard University Hospital, as a result of an episode of mental or medical crisis intervention.

During the period of involuntary administrative total withdrawal, a student may be denied access to the campus, classes, residence halls, University activities, and denied privileges for which the student might otherwise be eligible, as the Dean for Special Student Services may determine to be appropriate. In making this determination, the Dean for Special Student Services will consult with appropriate academic administrators and health care professionals, to include but not limited to the Dean for the University Counseling Service and the Medical Director of the Student Health Center.

## Timeline of Process

Howard University will schedule a hearing within thirty (30) days of the student's Emergency Action Suspension or Involuntary Administrative Total Withdrawal, unless the student makes a written request asking that the hearing occur sooner than thirty (30) days. However, if the student submits a written request for an earlier hearing date, the hearing will not occur any sooner than ten (10) business days following receipt of the written request. The Dean for Special Student Services will notify the student in writing and/or orally indicating the reason for the Emergency Action Suspension or Involuntary Administrative Total Withdrawal and the date, time and place of the hearing. Appropriate University personnel may be present and/or consulted at this meeting. Parents, spouses, or any persons who would be of support to the student may, with the consent of the Dean for Special Student Services and the student, participate in the hearing.<sup>1</sup> At the hearing, the University will state its reasons for concern and the student will be given an opportunity to respond.

The Dean for Special Student Services will notify the student in writing of the decision and the basis for the decision within ten (10) business days of the hearing. If it is determined that the student does not present a threat to himself/herself or others, the student will be permitted to continue as a student. If the decision is that the Emergency Action Suspension or Involuntary Administrative Total Withdrawal shall remain in effect, the communication will indicate what, if any, stipulations may govern his or her return to the University. Such stipulations may include providing certification from a healthcare professional indicating the student is able to return to the University. The Section 504 Coordinator may be involved when a student seeks a return to the University.

# GENERAL ADMISSIONS REQUIREMENTS

## Appeal

Students who wish to appeal Emergency Action Suspensions and Involuntary Administrative Total Withdrawals shall submit their appeal to the Dean for Special Student Services, who will forward the appeal through the Vice President for Student Affairs to the Provost or to the Senior Vice President for Health Sciences. In those cases where internal and/or external health professionals were consulted, a report of findings and response to the appeal will be obtained.

In those cases, where internal and/or external health professionals were consulted, a report of findings and response to the appeal will be obtained. In addition, the President or Dean for Special Student Services may require the student, at his or her expense, to obtain a psychiatric/medical evaluation from appropriate professionals external to the University to be presented. The Office of the General Counsel will be consulted for legal advice before a final decision regarding the appeal of an emergency action is reached. There shall be no further appeal of this decision.

## **SECTION V: EMERGENCY ACTION OF STUDENTS CHARGED WITH A CRIMINAL ACT**

A student charged with a crime, either a misdemeanor or felony, by any local, state, or federal entity may be subject to an Emergency Action Suspension by the Dean for Special Student Services. In addition, disciplinary proceedings may be instituted against a student charged with conduct that potentially violates both the criminal law and the Code without regard to the pendency of the civil or criminal litigation in court or criminal arrest and prosecution. Proceedings under this Code may be carried out prior to, simultaneously with, or following civil or criminal proceedings off-campus at the discretion of the Dean for Special Student Services. Determinations made or sanctions imposed under this Code shall not be subject to change because criminal charges arising out of the same facts giving rise to a violation of the Code were dismissed, reduced, or resolved in favor of or against the criminal defendant.

Emergency Action Suspension of a student charged with a criminal act will occur only in situations where the University determines there is a risk of substantial harm to the health or safety of the student or other individuals or to prevent the threat of disruption of, or interference with, the normal operations of the University. An individualized assessment will be made after consultation with the Office of the General Counsel and after considering the best available objective information.

## Timeline of Process

Howard University will schedule a hearing within thirty (30) days of the student's Emergency Action Suspension, unless the student makes a written request asking that the hearing occur sooner than thirty (30) days. However, if the student submits a written request for an earlier hearing date, the hearing will not occur any sooner than ten (10) business days following the receipt of the written request. The Dean for Special Student Services will notify the student in writing and/or orally indicating the reason for the Emergency Action Suspension and the date, time, and place of the hearing.

# GENERAL ADMISSIONS REQUIREMENTS

A student may be suspended or expelled prior to the final resolution of the criminal matter, but a student has the affirmative duty to notify the University of the conclusion of the matter. After being duly notified of the scheduled disciplinary hearing, if the charged student is unable to appear due to incarceration or incapacitation at the time of the regular disciplinary hearing, the student may request in writing that the disciplinary hearing be postponed and rescheduled when he or she is able to appear, or after the conclusion of the criminal proceedings.

Additionally, the student has an affirmative duty to notify the University of any status change in the criminal matter. If a student does not provide such notice or fails to communicate with the University within one (1) calendar year, the University will take measures for permanent expulsion.

## **University Decisions Upon Criminal Conviction**

It is the University's policy that a student convicted of a felony shall be expelled from the institution, irrespective of the student's current enrollment status. A decision about the continued enrollment of any student convicted of a misdemeanor will be made on a case-by-case basis by the Dean for Special Student Services, which may be appealed through the Office of the Vice President for Student Affairs to the Office of the Provost or the Office of the Senior Vice President for Health Affairs for students in the Division of Health Affairs.

## **SECTION VI: FILING A COMPLAINT AND REQUEST FOR UNIVERSITY DISCIPLINARY ACTION AND NOTIFICATION TO THE ACCUSED**

Reports of violations of the Code may result from a written Incident Report taken by Campus Police. If a charge of a violation of the Code is not made as a result of such report, it is the responsibility of the Complainant, whether a student or University employee, to take action to pursue resolution of a violation. First, the Complainant must review the Code to determine the specific provisions violated by the Accused Student. Second, the Complainant must obtain, complete, and file a Request for Resolution of an Alleged Violation of the Student Code of Conduct form within fourteen (14) calendar days of the incident or knowledge of the incident. Forms submitted after this fourteen (14) calendar day period will only be resolved if extenuating circumstances are present, and require the approval of the Dean for Special Student Services. More than one provision of the Code may be cited in the complaint form. The forms are available in the Office of the Dean for Special Student Services.

The Accused Student will be notified by the Dean for Special Student Services of an alleged violation by certified letter and/or telephone call and will be asked to report to the Dean for an interview. ODSSS will make reasonable efforts to contact the student at the local and/or permanent address.

## **SECTION VII: INITIAL ADMINISTRATIVE ACTION ON ALLEGATIONS OF VIOLATIONS OF THE CODE**

If a determination is made by Dean for Special Student Services that a violation of the Code may have occurred, the Complainant(s) and the Accused Student(s) will be contacted by the Dean for Special Student Services within fifteen (15) business days after receipt of the completed Request for Resolution of an Alleged Violation of the Student Code of Conduct form.

# GENERAL ADMISSIONS REQUIREMENTS

Both the Complainant(s) and the Accused Student(s) will be required to put in writing their accounts of the incident. Upon written notification, the Complainant(s) and the Accused Student(s) may request that their full written accounts be submitted to the Howard University Police Department and substituted for the incident statement. The Accused Student(s) will be informed of the allegation and related information, and he/she will be given an opportunity to provide his/her version of the facts, and allowed to plead "Responsible" or "Not Responsible." The Incident Statements of the Complainant(s) and Accused(s) will be shared with both parties, upon request.

If the Accused Student(s) fails to respond within six (6) business days of the date of the communication, the Dean for Special Student Services may proceed with scheduling and convene a hearing to resolve the matter.

A plea of "Not Responsible" by the Accused Student(s) will result in an automatic remanding the case to the appropriate hearing board or to an Administrative Hearing Office at the discretion of the Dean for Special Student Services. The Accused Student(s) and the Complainant(s) will be notified by mail of the date, time and place of the hearing.

All "Responsible" pleas by the Accused will result in an ODSSS review of the case and determination of appropriate sanction(s) to be imposed. The Complainant will receive written notification of the sanction(s). The sanction(s), not the plea, may be appealed in writing to ODSSS using the process for Filing an Appeal outlined in Section XVI, except when the Dean for Special Student Services appoints an Appeals Hearing Officer during periods when an Appeals Board cannot be convened.

## **SECTION VIII: PROHIBITED BEHAVIORS**

The following is an illustrative list of the types of conduct, including actual conduct and attempts to engage in such conduct, which is prohibited by this Code. A reasonable suspicion that a student has engaged in or attempted to engage in, such prohibited conduct will result in the immediate consideration of disciplinary action under this Code.

### **1. Safety**

- a.) Causing any condition that jeopardizes the safety of individuals, groups of individuals, or the University community; participating in conduct or behavior that explicitly endangers the safety and well-being of oneself or others.
- b.) Tampering with safety measures or devices, such as alarm systems, fire extinguishers, exit signs, emergency phone systems, smoke or heat detectors, fire hoses, security systems, locked exterior or interior doors, and sprinkler systems.
- c.) Failing to conform to safety regulations, such as falsely reporting an incident, failure to evacuate facilities in a timely fashion in emergency situations or in response to fire alarms, inappropriate use of the alarm system, and similar conduct.
- d.) Falsely reporting the presence or threat of a bomb or any other dangerous device or condition.
- e.) Having the knowledge of and not reporting an event or act that would potentially endanger members of the University community.

# GENERAL ADMISSIONS REQUIREMENTS

## 2. Sexual Misconduct

Sexual misconduct occurs when the act is committed without intent to harm another and where, by failing to correctly assess the circumstances, a person believes unreasonably that effective consent was given without having met his/her responsibility to gain effective consent.

## 3. Battery

An encounter in which physical contact occurs or is threatened between two or more persons with weapons, blows or other personal violence and that may include pushing, shoving, and other acts of physical abuse. Self-defense may be a mitigating factor to this charge, depending on the circumstance.

## 4. Stalking

Stalking is defined as willfully, maliciously and repeatedly following or harassing another person in a manner that would cause a reasonable person to feel frightened, intimidated, threatened, harassed, or molested.

Stalking is behavior in which a student repeatedly engages in a course of conduct directed at another person and makes a credible threat with the intent to place that person in reasonable fear for his or her safety, or the safety of his or her family; where the threat is reasonably determined by the University to seriously alarm, torment, or terrorize the person.

Stalking can either be physical or electronic.

## 5. Hazing

Hazing is defined as an act, which endangers the mental or physical health or safety of a student. It may include, but is not limited to, the destruction or removal of public or private property, or any activity conducted on or off-campus that causes or intends to cause an unreasonable expenditure of funds, embarrassing, intimidating or demeaning behavior, exposure to situations that could result in physical or emotional harm, or that causes undue stress, for the purpose of initiation, admission into, affiliation with, or as a condition for continued membership in any sanctioned or unsanctioned group or organization at the University.

## 6. Alcoholic Beverages

The University prohibits the unauthorized possession, use or distribution of alcoholic beverages. The University enforces all local and federal laws or regulations that regulate and control the sale or use of alcohol. The University limits on-campus use of alcoholic beverages to specified areas and to persons of legal age. Underage drinking is not permitted or sanctioned by the University. Violations of the University's Alcoholic Beverages Regulations and Guidelines are violations of the Code as follows:

- a.) Under no circumstances will alcoholic beverages be provided to anyone under 21 years of age. The sale, service, possession, or consumption of an alcoholic beverage is expressly prohibited, unless approved by the appropriate University official for students over 21 years of age.
- b.) Consumption and/or possession of alcoholic beverages in the residence halls are prohibited.
- c.) Aiding or abetting an underage person in the purchase of alcoholic beverages or providing an underage person with alcohol.



# GENERAL ADMISSIONS REQUIREMENTS

- d.) Student organizations affiliated with schools and colleges may not serve alcoholic beverages at events without the express written approval by the Academic Dean of the school or college and the Director of Student Activities regarding the location and conditions of possession and consumption. Approval will be given only for those students over 21 years of age. If approved, alcoholic beverages may not be consumed outside of the designated areas for the event. If violations occur, the student organizational leadership along with the coordinator(s) of the particular event may be charged under the Code.
- e.) Student organizations serving alcoholic beverages at off-campus events may not identify these events as University-sponsored or sanctioned events.
- f.) Disorderly conduct due all or in part to being under the influence of alcohol.
- g.) Providing alcohol to underage persons.
- h.) Possession of an open alcohol container in a public area.
- i.) Consumption of alcohol in a public area.
- j.) After consuming alcoholic beverages, students must assume full responsibility for their conduct as it relates to the need for the exercise of good judgment, moderation, respect for the rights of others, and the legal regulations of the jurisdictions involved.

## 7. Drugs/Controlled Substances

The University prohibits the possession, use, sale or distribution of illegal drugs or controlled substances and enforces all local and federal laws that prohibit the possession or sale of illegal drugs or drug paraphernalia. In addition, under federal and local laws, any student convicted of a drug-related offense must be denied all federal assistance, including Pell Grants. Information about remaining eligibility for federal financial aid may be obtained from the Office of Financial Aid.

The University has a “zero” tolerance policy on the improper use of controlled substances and expressly prohibits:

- a.) The possession, use, manufacturing, distribution or intent to distribute and/or sale of a controlled or illegal substance. Examples of these illegal substances are: crack cocaine, ecstasy, date rape drugs, marijuana, cocaine, heroin, or any other narcotic or controlled substance except as expressly prohibited by law.
- b.) The illegal possession, use, manufacturing, distribution or intent to distribute and/or sale of drug paraphernalia.
- c.) Aiding or abetting an individual or individuals who are in illegal possession, or who have an intent to use, sale, or to distribute or who use, sale, or distribute controlled substances or drug paraphernalia, including allowing persons involved in such activities to visit or stay in their residence hall room, or to be in any University owned or operated property over which they have control. Under federal and local laws, any student convicted of a drug-related offense will be denied all federal assistance, including Pell Grants.

# GENERAL ADMISSIONS REQUIREMENTS

## 8. Forgery, Fraud, Dishonesty

Forging the name of a University employee, another student or any other person or entity, altering or misusing official University forms, documents, records, stored data, electronic data bases and University enterprise systems, identification of, or knowingly furnishing false information to University officers, officials, faculty and/or employees or providing such information involving or referring to the University to off-campus organizations, institutions, or individuals.

Making false statements in public or private, including knowingly filing false charges under the Code. Aiding and abetting another individual in the conduct of such actions also constitutes a violation of this provision.

The University has registered its name, logo and seal as trademarks. As such, these marks are protected under applicable federal and local laws. Students may not use the seal, logo(s), motto, trademarks, or other intellectual property of the University without written permission from the University's Office of General Counsel. Authorized student organizations must be pre-approved by the office of Licensing and Vending to reproduce or to have a manufacturer reproduce the University trademarks on merchandise for sale or distribution. The use of the University seal is restricted to authenticating the highest official University documents and for display during major ceremonies. Exceptions for use of the seal are considered based on written requests to the Office of the President or the Office of the Secretary, accompanied by a justification.

## 9. Property Damage

The attempt of, or unauthorized removal, use of, or the defacing of University property, or property under University custody or control resulting in its destruction or damage.

Destroying, defacing, removing or damaging the property of others on University premises or at University-sponsored activities.

## 10. Theft

The stealing or attempted theft of property and/or services; knowingly possessing or transporting stolen property, or improperly using or converting the property of another for personal use. The Code extends to identity theft as defined by the DC Code.

## 11. Unauthorized Entry, Use, or Trespassing

Entering or using University facilities or property, or property in the custody or control of the University, for an improper purpose, or without proper authorization, or assisting others in doing so.

## 12. Organization and Event Registration

Failing to comply with policies and regulations governing the registration of student organizations, events on campus, or the use of University facilities or resources.

## 13. Failure to Comply/Non-Compliance

a.) Failing to comply with or respond to the directions or instructions of an authorized University official, faculty, or staff member acting in the performance of his or her duties or any other person responsible for a University facility or registered function acting in accordance with those responsibilities.

# GENERAL ADMISSIONS REQUIREMENTS

b.) The Howard University student identification card shall be carried by students at all times and surrendered upon the reasonable request of any University Official, Faculty Member, Staff Member and all Residence Hall Personnel.

Failure to comply with any disciplinary procedure, within the identified time frame, will result in a hearing with sanctions applied.

## 14. Smoking

Smoking is prohibited in all University buildings and residence halls.

## 15. Disruptive Conduct

a.) Acting in a manner that impairs, interferes with, or obstructs the orderly conduct, processes, or functions of the University or of any person or persons on University owned or operated property or at any University-sponsored event.

b.) Students whose behavior, communications, and/or attire may be considered disruptive while participating in academic programs, University activities, programs and general operations. Behaviors would include: use of electronic devices such as pagers, cell phones, video games, walkmans, personal music players, playing computer games during class sessions, laboratory or clinical practicum's or clerkships and periods of academic instruction, remediation, or tutorial assistance. Disruptive conduct would also include the wearing of apparel or clothing in class, or during academic instruction that is lewd, profane or sexually explicit; attire that conveys messages in print or in picture form that are profane, vulgar, patently offensive, racist or discriminatory, and this conduct disrupts the instructor's ability to maintain decorum or provide academic instruction in the classroom, laboratory, or other instructional environments. This also includes students who engage in disruptive behaviors or communications with an instructor, such as swearing or cursing, which impedes the ability of the instructor to present academic information in the classroom or laboratory, clerkship, conduct academic advisement, counseling, or tutorial assistance.

c.) Students are required to carry the Howard University student identification card at all times and are required to surrender it upon reasonable request by any University Official, Faculty Member, Staff Member and all Residence Hall Personnel.

## 16. Electronic Communication

Using University telecommunications, data communication networks or any electronic means owned and operated by the University for illegal or improper purposes or in violation of University regulations and policies, or related federal, state, or local laws.

## 17. Harboring

Harboring is knowingly allowing any fugitive from justice, or any student, employee, or any other individual who has been barred from the University, to stay in, or to be transported onto, University owned or operated property or facilities. This would also include harboring any individual who is considered to be a fugitive from justice or for whom there is an outstanding warrant.

## 18. Contracts

Students as individuals or representatives of student organizations are prohibited from entering into verbal or written agreements or contracts that purport to bind, obligate, or create liability of any kind for Howard University. The University will hold all such students individually liable for any financial or legal consequences or damages that may result from such unauthorized actions.

# GENERAL ADMISSIONS REQUIREMENTS

## 19. Established Policies And Procedures

The failure to observe any provision of the University Code of Ethics and Conduct, the Student Code of Conduct, the Academic Code of Conduct, the H-Book, the University Web-site or appropriate school/college bulletin, pertaining to personal conduct or behavior.

## 20. Violation Of Criminal Codes Of the Local, State, or Federal Governments

On or off-campus actions or activities that violate criminal law also violate the Code.

## 21. Embezzlement

Unauthorized acquisition and/or use of funds belonging to, or under the stewardship of, any University unit, organization, or individual.

## 22. Contempt Of, Or Interference With, Any Disciplinary Program Actions Or Activities

Failure to respect the disciplinary program or process, including failing to appear for a meeting or hearing if requested to do so, interfering with attendance by any person or persons mandated to attend a meeting or hearing, or interfering with the hearing or disciplinary process of any disciplinary board or administrative hearing. Acting in a threatening or harassing manner towards hearing participants before, during or after a hearing.

## 23. Media Contact

Students are expressly prohibited from speaking on behalf of, or for, Howard University with any media organization or publication, or from inviting the same to any University-owned or operated property, facility, or event without the express written permission of the Office of University Communications.

## 24. Presenting False Testimony

Knowingly making false statements regarding a disciplinary matter before, during or after the disciplinary adjudication process.

## SECTION IX: UNIVERSITY-WIDE DISCIPLINARY HEARING BOARDS AND HEARINGS; ADMINISTRATIVE HEARINGS AND OFFICERS; APPEAL HEARINGS AND BOARDS; ADMINISTRATIVE APPEAL HEARINGS AND OFFICERS

The adjudication of alleged violations of the Code is conducted by a duly appointed University-Wide Disciplinary Hearing Board, or by an Administrative Hearing Officer.

The Dean of Special Student Services reserves the right to assign a case to a Disciplinary Hearing Board or to an Administrative Hearing Board. Those cases involving charges which may result in possible indefinite suspension, withdrawal or expulsion will be remanded to a Disciplinary Hearing Board.

### 1. Disciplinary Hearing Boards

There shall be University-wide disciplinary hearing boards as follows:

University-Wide Disciplinary Hearing Board for Undergraduate matters;

University-Wide Appellate Board for Undergraduate matters;

University-Wide Disciplinary Hearing Board for Graduate and Professional Student matters;

University-Wide Appellate Board for Graduate and Professional Student matters.

# GENERAL ADMISSIONS REQUIREMENTS

Members of the University-wide disciplinary hearing boards shall be selected from a pool of students, faculty members, and administrators trained by ODSSS. The pool of board members consists of those qualified appointees submitted by University officers, Deans of the schools and colleges, the Faculty Senate, ODSSS, the Howard University Student Association (HUSA), and any other undergraduate or graduate student governing bodies approved by the Vice President for Student Affairs. Organizations shall select potential appointees according to their internal policies and procedures. Volunteers may also be part of the pool if they meet the qualifications for the category of their status at the University and they submit the "Offer to Volunteer for University Disciplinary Program" form to ODSSS. ODSSS shall provide at least two written requests for names to officials and organizations. In the event that appointments are not made by the deadline by the appropriate student and faculty organizations, ODSSS shall appoint persons to the board pool from the faculty and student body, subject to the approval of the Vice President for Student Affairs.

The disciplinary hearing boards have jurisdiction over all students subject to the Code. They are responsible for reviewing and evaluating all of the relevant information, conducting hearings, rendering a decision of "Responsible" or "Not Responsible" and making recommendations for sanctions, if any, to the Dean for Special Student Services.

## **2. Disciplinary Hearing Board Membership**

The membership of the disciplinary hearing boards is as follows:

Each board shall be comprised of seven (7) members. No more than three (3) members can be students who meet the qualifications outlined below. The remaining members shall be from the pool of qualified faculty and administrator appointees, or volunteers, who meet the qualifications outlined below.

A minimum of five (5) members will constitute a quorum.

### **A. Undergraduate Students:**

Validated for the semester(s) of service.

In good academic, disciplinary and financial standing.

At least 24 credits earned at time of appointment.

Can serve for two (2) academic years or until graduation.

### **B. Graduate/Professional Students:**

Validated for the semester(s) of service.

At least one (1) semester of enrollment by the time of appointment.

In good academic, disciplinary, and financial standing.

### **C. Faculty:**

Must have been a member of the University faculty for a minimum period of one (1) year at the time of appointment.

### **Administrator/Staff:**

Must have been an employee of the University for a minimum of one (1) year at the time of appointment.

### **F. Chair:**

The Dean for Special Student Services shall appoint a faculty member or administrative staff member of each board to act as Chair.

# GENERAL ADMISSIONS REQUIREMENTS

## 3. Administrative Hearings

Resolution of a violation of the Code may also be handled through an administrative hearing process conducted by an Administrative Hearing Officer rather than through a judicial board.

An administrative hearing may be used under any of the following circumstances:

A student charged with a violation will be assigned to the administrative hearing process, unless the violation merits indefinite suspension, withdrawal or expulsion.

The Dean for Special Student Services determines that it is not possible or practical to convene a disciplinary hearing board or appeal board at the time the case is scheduled (e.g., summer sessions, semester breaks, lack of a quorum, spring break, etc.) and that it is in the University's best interest to have the case heard expeditiously.

The nature of the case is such that the Dean for Special Student Services believes the best interest of the student and/or the University would be served by the use of an Administrative Hearing. If the Complainant or the Accused Student objects, either may appeal this decision in writing to the Vice President for Student Affairs, within ten (10) business days following notice of the Administrative Hearing. The Vice President shall render a decision within three (3) business days.

The Dean for Special Student Services reserves the right to determine which cases are to be heard by a University-wide Disciplinary Hearing Board. In most cases, the use of an Administrative Hearing Officer is prescribed. In cases, which could result in the indefinite suspension or expulsion of a student, a University-wide Disciplinary Hearing Board is warranted.

## 4. Administrative Hearing Officers

Administrative Hearing Officers shall be selected by the Dean for Special Student Services from a pool of qualified and trained administrative staff members and faculty members. The Administrative Hearing Officer is responsible for reviewing all of the relevant information, conducting a hearing, rendering a decision, and making recommendations for sanctions, if any, to the Dean for Special Student Services. The hearing officer shall be the sole judge of the relevancy and admissibility of evidence presented for consideration.

## 5. Appeal Boards

Any student found "Responsible" for violating the Code by a University-Wide Disciplinary Hearing Board or Hearing Officer and, thereby subject to sanctions, may appeal the decision. (See Section XVI: Appeal of a Disciplinary Hearing Decision). A request for reconsideration of a decision or recommended sanction(s) shall be submitted by the Dean for Special Student Services to the appropriate Appeal Board.

Each Appeal Board shall be comprised of five (5) members. No more than two (2) members shall be qualified students. The remaining members shall be qualified faculty members, administrator appointees or volunteers.

# GENERAL ADMISSIONS REQUIREMENTS

Members of the Appeal boards must meet the same qualification standards as members of the University-Wide Disciplinary Hearing Board. However, a member serving on a University-Wide Disciplinary Hearing Board shall not serve on an Appeal Board on the same case.

A faculty member or administrator who is a member of the board will be appointed by the Dean for Special Student Services to serve as Chair of each Appeal Board. A majority of four (4) will constitute a quorum.

## 6. Administrative Appeal Hearing

An appeal of a decision by a University-Wide Disciplinary Hearing Board may be handled through an administrative hearing process by an Administrative Appeal Hearing Officer rather than through an Appeal Board. An administrative Appeal Hearing will be convened at the discretion of the Dean for Special Student Services. If the Accused Student objects, she/he may appeal this decision in writing within five (5) business days to the Vice President for Student Affairs. The Vice President will render a decision within three (3) business days. In addition, a student filing an appeal may elect to request such a hearing.

## 7. Administrative Hearing Appeal Officers

Administrative Appeal Hearing Officers are selected and trained by the Dean for Special Student Services. The Administrative Appeal Hearing Officer is responsible for meeting with the Chairperson of the University-wide Disciplinary Hearing Board, reviewing all documents from the case file and hearing, and for conducting the appeal hearing. The Officer shall be the sole judge of the relevancy and admissibility of evidence presented for consideration. The qualifications for an Administrative Appeal Hearing Officer shall be the same as for an Administrative Hearing Officer. The Administrative Hearing Appeal Officer shall have no engagement in the pending appeal brought for his review.

## SECTION X: HEARING PARTICULARS

### 1. Notification of Hearing

The ODSSS shall notify the members of the appropriate Disciplinary Hearing Board (or the hearing officer, as appropriate), the Accused Student(s), and the Complainant(s), in writing, of the date, place and time of a scheduled hearing not less than ten (10) working days prior to the hearing date (excluding holidays). Both the Complainant(s) and the Accused Student(s) shall be informed that they are responsible for contacting their own witnesses, informing them of the hearing, and ensuring their attendance at the hearing. Such notification shall be hand-delivered, mailed, or delivered to the local address of record. Witness lists are to be submitted to ODSSS at least two (2) days prior to the hearing. Upon request, ODSSS will make copies of the witness lists available to the parties. Upon request, ODSSS will provide letters for professors of students absent from class due to participation in a disciplinary procedure to explain the students' absence from class.

### 2. Notification of Inability to Attend a Hearing

If either the Accused Student(s) or the Complainant(s) cannot attend a scheduled hearing due to compelling circumstances, he/she must notify ODSSS as soon as this fact is known. Written documentation of extenuating circumstances must be provided. Failure to adhere to this policy may result in additional disciplinary action and/or conducting the proceeding without the benefit of the absent person's participation.

# GENERAL ADMISSIONS REQUIREMENTS

## 3. Document Access

The Accused Student(s) and complaining student(s) shall have reasonable access to all of the relevant case documents that are maintained by the ODSSS.

Documents shall also be available to members of the boards or hearing officers for review prior to a hearing. The documents prepared by ODSSS and submitted during the hearing, as well as the statements given, will constitute the record of the board or of the hearing officer in an administrative hearing.

## 4. Briefings and Consultations

Board chairs, board members, and hearing officers may be briefed by ODSSS on factual and procedural matters. Legal advice will be provided to such individuals by the Office of General Counsel.

## 5. Failure to Attend

A student accused of violating the Code, who has received appropriate notification to attend a scheduled hearing but fails to do so, may be considered in contempt of the disciplinary process and subject to further disciplinary action by the Dean for Special Student Services. The board or hearing officer may elect to proceed with the hearing without the Accused Student(s) and render a decision based on the evidence presented.

A witness, who is called by ODSSS or a Hearing Officer, with evidence critical to the resolution of a violation of the Code given reasonable notification of a hearing who refuses to attend may be considered in contempt of the disciplinary process and subject to possible disciplinary action.

## 6. Rules of Evidence and Legal Representation

Howard University's disciplinary proceedings are not subject to the formal rules of process, procedure, and/or technical rules of evidence, such as are applied in criminal or civil court. Rather, boards and administrative hearing officers shall make a determination based on whether the record makes it more likely than not that the charges are true.

The Accused Student(s) and the Complainant(s) may consult with their personal legal counsel in preparation for a hearing; however, attorneys are not allowed to attend a disciplinary hearing or to represent a student at a hearing. A student may elect to have a peer advisor, at a hearing, who shall serve in an advisory capacity only. Advisors are not permitted to speak or to participate directly in the hearing. Peer advisors must be current students in good academic, disciplinary and financial standing with the University.

## 7. Scope of Evidence Considered In a Disciplinary Action

The Board Chair or Administrative Hearing Officer shall be the sole judge of the relevancy and admissibility of evidence presented for consideration.

## SECTION XI: PROCEDURES FOR CONDUCTING A DISCIPLINARY HEARING

### 1. Closed Hearings

All hearings are closed, except to those persons directly involved (board members, Complainant(s), the Accused Student(s), and witnesses), unless the board determines otherwise.



# GENERAL ADMISSIONS REQUIREMENTS

## 2. Witnesses

In those situations when a Howard University Police Department Officer(s) may have taken a report and/or investigated an incident relevant to the proceeding, ODSSS, the Complainant or the Accused Student may request that the Officer attend and/or participate in a hearing as a witness. Such attendance or participation will be permitted if it is determined by the Board or Hearing Officer that the HUPD Officer's presence will facilitate the finding of facts. The Complainant or the Accused Student should contact University Police directly to make such a request and, at the same time, notify ODSSS of the request.

Only those persons with direct knowledge of the incident shall be allowed to appear as witnesses. No character witnesses are allowed.

## 3. Postponement

A one-time request for postponement by either the Accused Student or the Complainant(s) may be considered by ODSSS, and granted only when ODSSS determines that there is a compelling reason for the delay. ODSSS will set a new date for the hearing and notify all parties involved. Further requests for postponement do not have to be considered and a hearing may be held in the absence of either party.

## 4. Quorum Requirement

Five (5) members of appointed board members shall constitute a quorum necessary to conduct business, including receiving evidence and rendering a decision. Only members present may vote.

## 5. Role of the Chair

The Chair of a disciplinary board has the responsibility of conducting the hearing in a fair and equitable manner, and of taking such action as necessary to sanction or mitigate disruptive or inappropriate behavior.

## 6. Burden of Proof

The Complainant carries the burden of proof to establish the guilt of the Accused Student. The Accused Student should be prepared to respond to charges against him/her with witnesses and/or documents, as appropriate.

## 7. Steps in the Hearing

Each hearing shall follow a standardized format. Copies of the Procedures for Conducting a Disciplinary Hearing may be secured from ODSSS.

## 8. Deliberation, Decision Making, and Reporting Results to ODSSS

Deliberations shall be conducted only with board members, University counsel, and ODSSS staff present.

Boards shall consider only such information as may constitute the record.

Determinations as to responsibility for violations of the Code and recommended sanctions shall be made by a simple majority vote of the Board, except that recommended sanctions of suspension and expulsion require a two-thirds vote.

# GENERAL ADMISSIONS REQUIREMENTS

The Chair of the board shall prepare a written report of the hearing finding(s), including the basis(es) for the finding(s) and shall submit it to ODSSS within ten (10) days of the hearing. When there is a finding that the Accused Student is “Responsible” for violating the Code, there shall be recommendations for sanctions. The Chair signs the report on behalf of the board. ODSSS will provide notification to the Accused Student and Complainant of the board’s determination.

Sensitive information considered by the Dean of Special Student Services or his/her designee to determine sanctions shall be deemed confidential and will not be shared with students, except that upon written request from any alleged victim of a crime of violence or no forcible sex act, the result of the University’s disciplinary proceedings against the accused student will be disclosed.

## **SECTION XII: PROCEDURES FOR CONDUCTING A HEARING BY AN ADMINISTRATIVE HEARING OFFICER**

### **1. Closed Hearings**

All hearings are closed to anyone other than those persons directly involved, ODSSS staff, University counsel, the Complainant, the Accused Student, and witnesses unless the hearing officer determines otherwise.

### **2. Witnesses**

Only those persons with direct knowledge of the incident shall be allowed to appear as witnesses. Those attesting to character alone are not allowed to serve as witnesses. A list of any witnesses speaking on behalf of the Accused Student or Complainant must be submitted to the Office of the Dean for Special Student Services not later than two (2) days prior to the hearing.

### **3. Postponement**

A one-time request for postponement may be considered and granted by ODSSS only when it determines that there is a compelling reason for the delay. In that event, ODSSS will set a new date for the hearing and notify all parties involved.

### **4. Role of the Administrative Hearing Officer**

The Administrative Hearing Officer is responsible for conducting the hearing in a fair manner and for recommending such action(s) as necessary to sanction or control disruptive or inappropriate behavior.

### **5. Burden of Proof**

The Complainant has the burden of proof to establish that the Accused Student violated the Code. The Accused Student should be prepared to respond to charges and evidence presented against him/her with documents and/or witnesses, as appropriate.

### **6. Steps in the Hearing**

Hearings shall follow a standardized format. Copies of the procedures may be obtained from ODSSS.

### **7. Deliberation, Decision Making, and Reporting Results to ODSSS**

The Administrative Hearing Officer shall consider all information in the record.

The Hearing Officer shall prepare a written report including any recommended sanctions, and submit the report to ODSSS within five [5] days of the hearing. ODSSS shall notify the Accused Student and the Complainant of the Hearing Officer’s determination.

# GENERAL ADMISSIONS REQUIREMENTS

Sensitive information considered to determine sanctions by the Dean of Special Student Services or designee shall be deemed confidential and will not be shared with students, except upon written request from any alleged victim of a crime of violence or non-forcible sex act, the results of the University's disciplinary proceedings against the accused student will be disclosed.

## **SECTION XIII: NOTIFICATION OF HEARING OUTCOME**

The Dean for Special Student Services shall review the recommendations of the Board or Administrative Hearing Officer and shall make a final determination on sanctions. ODSSS shall then prepare a written memorandum setting forth the decision and any sanctions and notify both parties within twenty (20) working days after receipt of the report. ODSSS reserves the right to delay notification when it determines that such delay is in the best interest of the University.

When deemed necessary or appropriate by ODSSS, it shall notify relevant University officers, officials, units and organizations of hearing outcomes and sanctions.

## **SECTION XIV: DISCIPLINARY SANCTIONS**

The purpose of disciplinary sanctions for violations of the Code is to educate students about responsible behavior as members of the Howard University community, to maintain order, and to protect the rights of others.

Students found "Responsible" for violating the Code are notified of any sanctions by ODSSS, which also monitors compliance with the sanction. There is no set sanction for any particular offense, with the exception of automatic expulsion for a felony conviction. Disciplinary Hearing Boards and Administrative Hearing Officers evaluate each case individually. Sanctions will be determined individually and should reflect the nature and severity of the offense.

### **1. General Terms**

Parents of minor or dependent students who receive a disciplinary sanction may be notified of that action by the University.

The University reserves the right to apply any sanction for a violation of the Code that, in its sole discretion, appropriately addresses the gravity and frequency of the offense. One or more sanctions may be imposed for any offense. Prior offenses are cumulative and any student found guilty of the same offense or a second offense of equal or greater magnitude, may be suspended or expelled from the University. However, evidence of prior violations of the Code may be considered after a determination of "Responsible" has been made as part of the process of determining sanctions. Sanctions are imposed under the Code without regard to student classification, prospective graduation date, the time in the semester or term when the violation occurs, scholarship status, or any other factor.

Students who have not completely fulfilled their sanctions may be allowed to participate in General Mandatory Registration for the subsequent semester if all other financial and academic conditions have been met. However, their registration will be canceled if they fail to comply with all the stipulations of the sanctions within the time limit set.

The imposition of sanctions will be a matter of record in the ODSSS.

# GENERAL ADMISSIONS REQUIREMENTS

## 2. Types of Disciplinary Sanctions

One or more of the following sanctions may be imposed for any violation of the Code. The failure to perform a sanction, as directed, can lead to the imposition of more severe sanctions, up to and including suspension or expulsion.

The identified sanctions do not represent the full range of sanctions which may be imposed against a student found “Responsible” for a violation of the Code.

### Disciplinary Warning or Reprimand

A disciplinary warning or reprimand is an official written statement of censure. It is used when a student’s behavior is unacceptable but is considered to be minor and/or unintended. It includes a warning that any other violation of the University’s Code for which the student is found guilty will result in more severe disciplinary action. The written statement shall be delivered to the student.

### Letter of Apology to the Aggrieved Party

A student may be required to write a letter of apology to the aggrieved party. A draft copy of the letter must be provided to ODSSS for prior approval.

### Requirement to Seek Counseling

This sanction may be imposed when a student is found guilty of engaging in disrupting or uncivil behaviors. In such case, the student shall be required to provide evidence to ODSSS of attendance and completion of counseling by a qualified professional.

### Participation In, or Conducting, Special Workshops, Classes or Seminars

A student may be required to participate in, or to develop, advertise and present special workshops or seminars related to a Code violation. In such a case, the student may be required to present a typed summary of the activity to the ODSSS.

### Research Assignments

A student may be required to complete a research assignment on a topic related to the Code violation within a specified deadline.

### Mandatory University or Community Service

A student may be required to perform work assignments at the University or in the local community.

### Restitution

Restitution is reimbursement to compensate for **personal** injury, property damage, or misappropriation of University or other personal property. It may be in the form of money or services, subject to the discretion of the Hearing Officer or Disciplinary Hearing Board.

### Disciplinary Probation

Disciplinary probation may be imposed for a specified period of time. A student who is under disciplinary probation will not be permitted to participate in intramural, intercollegiate or club sports, or student clubs and organizations. Such a student may not represent the University in any public function, competition, or performance, hold office in a student organization, or be eligible to join a fraternity or sorority.

# GENERAL ADMISSIONS REQUIREMENTS

Students receiving scholarships for any activities enumerated above may have that scholarship suspended or terminated. Decisions regarding scholarships will be made by the Vice President for Student Affairs in consultation with the Dean for Special Student Services and other appropriate University officials.

## Limited Term Suspension

A suspension is appropriate in cases of serious misconduct or in cases when a student has violated a condition of disciplinary probation or has failed to meet the stipulations of lesser sanctions. A student may be suspended from the University for the remainder of the semester, or summer session, in which the sanction is applied, or any portion thereof, for the next semester, or for any other additional periods determined appropriate by the University.

Suspensions are recorded on the student's permanent record (official transcript). Students suspended from the University are required to return their student identification cards, room keys and other University property and shall be barred from the campus for the duration of their suspension. Exceptions may be granted to this prohibition by ODSSS if it first determines that the barred student must enter University property for the purpose of conducting official business. If a student returns to the campus without permission during the period of suspension, his or her eligibility to be re-admitted to Howard University is jeopardized and such persons may also be charged with unlawful entry and, thereby, made subject to arrest.

## Indefinite Suspension

Indefinite Suspension provides for all conditions described in Limited Term Suspensions but does not give a specific date for the consideration of readmission of the suspended student. This sanction is used in cases of extremely serious misconduct when evidence of rehabilitation must be presented by the student and accepted by the Vice President for Student Affairs before the student is readmitted to the University.

## Expulsion

Expulsion is the most severe sanction that the University may impose. Expulsion is permanent dismissal from the University. In addition, the student is not eligible for readmission to the University and permanently barred from Howard University owned or operated property and from all University-sponsored events. Students expelled from the University are required to return any student identification cards, room keys, and other University property and must leave campus immediately upon notification of being expelled. If an expelled student returns to the campus, he or she will be charged with unlawful entry and may be arrested. An expelled student's relationship with the University is severed permanently.

## SECTION XV: PROCEDURE FOR READMISSION AFTER DISCIPLINARY SUSPENSION

A student temporarily suspended will be considered for readmission only after the student submits a Request for Readmission After Disciplinary Suspension form to the Office of the Dean for Special Student Services.

# GENERAL ADMISSIONS REQUIREMENTS

ODSSS shall inform University officers or officials, including the appropriate academic and administrative Deans, the Vice President for Student Affairs, the Office of the Provost, the Office of the Senior Vice President for Health Affairs, the Office of General Counsel and the Office of the President of the disposition of the matter.

## SECTION XVI: APPEAL OF A DISCIPLINARY HEARING DECISION

### 1. Criteria for an Appeal

A finding of responsibility for violations of the Code and/or the sanctions imposed may be appealed. However, an appeal will result in a reversal or modification of a decision only if one of the following criteria is met. It should be noted that an appeal is not an opportunity to have a new hearing on the matter. As described below, an appeal can only be used to reverse an error or to consider important information that was not available at the hearing.

#### a.) Process

An important procedure leading up to or during the original hearing was ignored or so flawed that the hearing was not fair and impartial.

#### b.) Substantive Error

There was an error in identifying or interpreting the controlling and relevant University policy or standard of conduct and this substantially affected the hearing and resulted in the Accused Student(s) being denied a fair hearing outcome.

#### c.) New Evidence

Relevant new evidence has surfaced that could have materially affected the decision or finding of the board or hearing officer. This evidence must be produced and substantiated or documented and it is required that proof be provided that this information was not available at the time of the hearing.

#### d.) Disproportionate Sanction

The sanction levied is manifestly unjust because it is overtly disproportionate to the offense.

### 2. Process for Filing an Appeal of Disciplinary Action

An Appeal of Disciplinary Action form must be submitted to ODSSS by the student found "Responsible" within five (5) working days of receipt of the letter of notice of hearing outcome. The form should be typewritten or printed very legibly, with an attached statement not more than five double-spaced pages in length. The statement must clearly specify the grounds on which the appeal is being made and have attached any supporting documentation. Each case may be appealed only once.

### 3. Appeal Review Process

The written appeal must be submitted to ODSSS. ODSSS will forward the appeal to the Chair of the appropriate Appeal Board. The Chair shall have the authority to determine if the appeal could reasonably be expected to meet at least one of the four stated criteria. If the Chair so rules, he/she will set up an appeal hearing and notify the parties of its date, time, and location. If ODSSS determines that an Appeal Board cannot be convened, (e.g., between semesters or at the end of a semester or lack of quorum), it will appoint an Administrative Appeal Officer to review the matter, determine if a hearing is warranted, schedule a hearing, and notify the student.

# GENERAL ADMISSIONS REQUIREMENTS

## 4. Appeal Hearing

Appeal hearings will be limited to a presentation of evidence by the appellant that directly addresses the grounds for an appeal. The Chair of the University-Wide Judicial Board may be asked to attend, but no witnesses may be called. Appeal hearings will follow a standardized format.

## 5. Remedies on Appeal

The following actions may be taken by a majority vote of the Appeal Board members present and constituting a quorum, or by the Administrative Appeals Officer, transmitting a recommendation to the Dean of Special Student Services:

- a.) Affirm the findings of the original Board or Hearing Officer.
- b.) Affirm the findings, but change the sanction(s) levied.
- c.) Overturn the finding of the original Board or Hearing Officer and remand to the original Board for a new hearing.

## 6. Notification of Finding

The results of an appeal review will be sent by the Chair, who will forward the recommendation to ODSSS within twenty (20) working days of the Board's decision. Within five (5) working days, ODSSS will inform the student who initiated the appeal and the Complainant of the Board's decision. For cause, the Dean may grant the Chair an extension. If the case is remanded for a new hearing, ODSSS will contact the student about that new hearing. At the discretion of the Dean for Special Student Services, a different University-Wide Disciplinary Hearing Board may be asked to hear the case.

## 7. Limitations

- a.) Each case may be appealed only once. Therefore the finding of the designated Appeal Board is final and binding.
- b.) Only the Accused Student may file an appeal.
- c.) Appeals filed after the stated deadline will not be considered, except in compelling circumstances as determined by the Dean for Special Student Services.

## 8. Stay of Sanction(s) During the Appeal Process

The Dean for Special Student Services will determine if the sanction(s) imposed on an appellant will stay pending the appeal process.

## SECTION XVII: REVISIONS OF THE STUDENT CODE OF CONDUCT AND JUDICIARIES

### 1. Periodic Review

The ODSSS will conduct a full formal review of the Code at least every five (5) years or at such other times as it deems appropriate to determine if the Code should undergo a full revision process.

### 2. Procedure for Revision

If it is determined that the Code is in need of full revision, the procedure for developing a new document for recommendation to the Board of Trustees will be as follows:

# GENERAL ADMISSIONS REQUIREMENTS

A committee composed of faculty, administrative staff and students will be appointed by ODSSS to review the “Code” portion of the document and to make recommendations for changes. The pool of those eligible to serve will come from names submitted by University officers, Deans of the schools and colleges, the Faculty Senate, the Howard University Student Association (HUSA), and other authorized and approved undergraduate and graduate student governing bodies using their own internal policies for such selections. In the event that after appropriate notice, names are not submitted, ODSSS shall make appointments.

The draft of the revised Code is completed by ODSSS and forwarded to the Vice President for Student Affairs, the Provost, and the Senior Vice President for Health Affairs for review and comment. An open forum for students, appropriately advertised, will be held to allow for discussion of proposed changes to the Code. Comments and concerns will be considered in completing the final draft. The final draft will be submitted for review to the General Counsel.

### 3. Forwarding for Approval

The final document will be authored by ODSSS and forwarded, through the Vice President for Student Affairs, the Provost, and the Senior Vice President for Health Affairs to the President for final review and for presentation to the Board of Trustees for consideration.

### 4. Amendments

Amendments to the Code deemed necessary by the Dean for Special Student Services during periods between formal full reviews and revisions will be prepared by ODSSS and forwarded through the Vice President for Student Affairs, the Provost, the Senior Vice President for Health Affairs and General Counsel, to the President for approval and implementation.

***The Howard University Student Code of Conduct and Judiciaries  
Division of Student Affairs  
Office of the Dean for Special Student Services  
Howard University, Suite 725  
Washington, DC 20059***

## ACADEMIC CODE OF STUDENT CONDUCT

***Approved by the Board of Trustees, June 29, 2010***

Howard University is a community of scholars composed of faculty and students both of whom must hold the pursuit of learning and search for truth in the highest regard. Such regard requires adherence to the goal of unquestionable integrity and honesty in the discharge of teaching and learning responsibilities. Such regard allows no place for academic dishonesty. To better assure the realization of this goal any student enrolled for study at the University may be disciplined for the academic infractions defined below.

### Definitions of Academic Infractions:

**Academic Cheating**—any intentional act(s) of dishonesty in the fulfillment of academic course or program requirements. This offense shall include (but is not limited to) utilization of the assistance of any additional individual(s), organization, document, or other aid not specifically and expressly authorized by the instructor or department involved.



# GENERAL ADMISSIONS REQUIREMENTS

(Note: This infraction assumes that with the exception of authorized group assignment or group take-home assignments, all course or program assignments shall be completed by an individual student only without any consultation or collaboration with any other individual, organization, or aid.)

Plagiarism – to take and pass off intentionally as one’s own the ideas, writings, etc. of another without attribution (without acknowledging the author).

Copy Infringement—Copy infringement occurs when a copyrighted work is reproduced, distributed, performed, publicly displayed, or made into a derivative work without the permission of the copyright owner.

## Administration of the Code

This Academic Code of Student Conduct applies in all schools and colleges. In professional schools and colleges that have adopted honor codes, the honor code may supersede this Code.

The authority and responsibility for the administration of this Academic Code of Conduct and imposition of any discipline upon any particular student shall vest in the Dean and faculty of the School or College in which the student is enrolled but may be delegated by the faculty to the Dean of the School or College in which the student is enrolled. The Dean shall be assisted in this responsibility by any faculty members and administrative officers in the School or College the Dean shall consider appropriate. Any student accused of an infraction of this Code shall have a right to a limited hearing, as described herein, of the charges against him before a committee of faculty members, at least three in number, none of whom shall be the accuser or witness to the alleged infraction. The committee may be either a standing of the School or College, whose responsibilities are considered appropriate by the Dean to conduct a hearing under this code, or a committee appointed by the Dean for the special purpose of conducting only a particular hearing or all such hearings that may arise during an annual period. The hearing committee shall be chaired by a member designated by the Dean and the chairperson shall have the right to vote in cases of a tie vote.

## Procedure

Any faculty member who has knowledge of an infraction of this Code shall assemble all supporting evidence and identify any additional witnesses to the infraction and make this information known to the Dean of the School or College in which the student is enrolled at least ten (10) business days after the date of the infraction.

Upon being notified of an alleged infraction of this Code, the Dean shall, as soon as possible, consider the weight of the assembled evidence and, if the Dean considers the evidence sufficient to warrant further action the Dean shall notify the alleged offender of the charge(s) against him/her together with a designation of a hearing time and place where the accused may respond to the charge(s). The hearing date shall be no later than ten (10) business days after notification to the accused of the charge(s) against him/her. The Dean shall similarly notify the hearing committee members of the time and place of the hearing together with identification of the accuser and accused.

The “limited hearing” authorized by this Code is not an adversarial proceeding. Constitutional principles of “due process” are not applicable to these proceeding. The faculty member concerned shall present the case for the University. Both shall be allowed to present witnesses and evidence in support of their positions concerning the charge(s). However, no legal counsel for either side shall be allowed. The members of the hearing committee may question the accused and the accuser and examine all evidence presented. The standard of proof for the proceeding under this Code shall be the standard of “substantial evidence.” The proceedings may be tape recorded but will not be transcribed.

# GENERAL ADMISSIONS REQUIREMENTS

After the hearing of the charge(s) against the accused, the hearing committee shall, in closed session, vote by secret ballot to sustain or reject the charge(s). If the charges are sustained, the committee shall transmit the results and recommendation of the hearing committee to the Dean five (5) business days after the hearing.

Upon receipt of the results and recommendations of the hearing committee, the Dean may sustain the recommendation of the Committee concerning the penalty or may reduce or increase the severity of the penalty, and shall, within five (5) business days, notify the student of the Dean's determination. The student may appeal directly to the Provost and Chief Academic Officer or Senior Vice President for Health Sciences (Health Science students) for reconsideration of any disciplinary penalty. The student shall have five (5) business days to make such appeal from the date of receipt of notification.

After hearing any appeal from a student, the Provost and Chief Academic Officer or Senior Vice President for Health Sciences shall make a decision that shall be communicated to the student within ten (10) business days. This decision shall be final.

## **Penalties**

The minimum disciplinary penalty imposed upon a student found to have committed an infraction(s) of this Code shall be no credit for the course assignment or examination in which the infraction(s) occurred; however, a more severe penalty, such as failure in the course involved or suspension from the University, may be imposed depending upon the nature and extent of the infraction(s).

## **DEGREE REVOCATION PROCEDURES**

### **Adopted by the Board of Trustees (April 27, 1987)**

Scope – These procedures apply only to cases in which a University degree has been awarded but the record later shows: (1) the graduate's academic record, following a correction, indicates the graduate fails to meet academic requirements for graduation; and (2) facts which, if known at the time of the awarding of a degree, would have resulted in a decision not to award the degree, without any further proceedings.

**Notice** – The Dean of the School or College involved shall provide the graduate<sup>1</sup> with written notice of: the University's specific findings with regard to the graduate's academic record and its intention to revoke the degree; the graduate's opportunity to respond in order to present evidence that the record is incorrect; the graduate's right to be represented or assisted in responding to the University's findings, by other parties, including an attorney at the graduate's expense; and a 60-day limit to respond to the notice.

**Review** – In all cases where the graduate elects to respond to the University's findings either in person or in writing, the following review procedures shall be used:

A person designated by the Dean of the College or School in which the graduate was enrolled shall review the graduate's evidence and the University's evidence.

# GENERAL ADMISSIONS REQUIREMENTS

The Dean's designee, based upon his or her review of the evidence of record, shall submit to the Dean his or her written recommendation concerning revocation of the graduate's degree.

The Dean, based upon his or her review of the designee's recommendation, shall submit to the appropriate Vice President his or her written recommendation concerning revocation of the graduate's degree.

The Vice President, based upon his or her review of the prior recommendations, shall forward the record and his or her recommendation to the General Counsel for review.

The General Counsel, based upon his or her review of the record and prior recommendations, shall submit his or her recommendations, the record and all prior recommendations to the President for final action, subject to approval by the Board of Trustees.

The Registrar shall provide the affected graduate with written notice, in the manner described in Section A, of the University's final decision concerning revocation of the graduate's degree.

**No Response Received** – In cases where no response to the initial notice is received by the University after 60 days, the existing record shall be reviewed as noted above. Thereafter, the Associate Vice President for Enrollment Management shall provide the graduate with written notice in the manner described in Section A, of the University's final decision concerning revocation of the graduate's degree.

**Petition to Reopen Decision** – The University shall allow any affected graduate to petition the University to reopen the revocation decision, provided the graduate establishes that he/she received notice after the 60-day limit or, for good cause shown, was unable to contact the University or to respond within the period specified. Any graduate who meets the above-noted requirements shall be provided an opportunity to respond and a review, in the manner described in Sections A and B.

The term "graduate" refers to an individual who has received any degree from Howard University. A written notice shall be provided by: (1) certified mail, return receipt requested to the most recent permanent address contained in the graduate's academic records; (2) regular first-class mail to the last known address locally; and (3) first-class mail to the last known address of the graduate's parents or guardians. The written notice requirement applies in all cases, even though the address involved is the same.

## **POLICY ON STUDENT ACADEMIC GRIEVANCE PROCEDURES**

**Approved by the Board of Trustees (April 23, 1994)**

### **The Informal Process**

A student who believes that he/she has been aggrieved must first attempt to seek an informal resolution with the other party involved in the dispute, e.g., grade dispute with the instructor.

If the student is unable to resolve the dispute with the primary party of the dispute, then the student is advised to seek the intervention of his or her department chairperson.

# GENERAL ADMISSIONS REQUIREMENTS

All disputes which are not resolved at the departmental level are then brought to the Dean's Office, whereupon the Dean or his designee will seek to reach an informal resolution through mediation between the parties.

If the mediation at Dean's level fails, then the student's grievance is consigned to the committee designated by the school/college to address student grievances herein referred to as the Student Grievance Committee.

## **The Formal Process**

Student grievances which are consigned to the Student Grievance Committee must be specified in writing and given to the Dean or his designee.

A student's written statement, along with supportive evidence, constitutes a case document, which will be submitted to each member of the committee.

The second party to the dispute is also requested to provide the Office of the Dean with his or her account of the matter in dispute which becomes a part of the case document that is forwarded to the committee.

**The Student Grievance Committee is then required to set a date for convening a meeting to hear the case(s) as expeditiously as possible.**

After the date has been set, each party to the dispute is sent a certified letter which informs him or her of the charges, and date of the meeting as well as a statement requesting his or her presence. During the hearing, the student presents his/her case; after, the accused party is allowed to present the other side. Each side is permitted to have witnesses.

Following the hearing, members of the committee after deliberation on their assessment of the case reach a decision as to how the case should be resolved.

The committee's decision is sent to the Dean of the School/College in the form of a recommendation. The Dean then informs the student in writing of the decision, which may be based upon the committee's recommendation or upon a modification of it.

## **POLICY STATEMENT CONCERNING THE USE OF; THE POSSESSION FOR SALE, TRANSFER, OR EXCHANGE OF; AND THE MANUFACTURE, TRANSFER, SALE OR EXCHANGE OF; CONTROLLED SUBSTANCES**

***Approved by the Board of Trustees (September 23, 1989)***

One among the most serious menacing phenomena facing urban communities in general and Black communities, in particular, is that of the ever-spreading use of controlled substances or illegal drugs. Attending this phenomenon is not only the debilitating effects on the human system but the many unsettling events which are inescapably its by-products. Howard University, as an urban institution and thus a part of the larger District of Columbia community, is not insulated against this problem and its accompanying or precipitating ills and recognizes that an effective response to this menace must be on a community-wide basis.

# GENERAL ADMISSIONS REQUIREMENTS

Proper consideration of this subject must take into account and be addressed to those not yet involved as users or purveyors, those who may be helped through medically related therapy and treatment programs, and those who are engaged in the illegal possession, manufacture, transfer and/or sale of such items.

For the past several years considerable effort has been directed toward acquainting the University community with this subject in its most salient aspects. With some exceptions, work in this area has been concerned primarily with the conduct of special educational programs. These efforts, with expansion and increased emphasis, will be continued. In addition, the University through the Counseling Service, the Student Health Center, the Employee Health Unit and the Institute on Drug Abuse and Addiction, will make a major effort to marshal appropriate resources, on an inter-disciplinary basis, to contribute to the campaign currently being waged against this destructive force. Thus, all of these University resources will be concerned with comprehensive drug prevention/treatment programs and services.

## **Non-medically Prescribed Use of Drugs**

Howard University does not sanction the use of drugs that are not prescribed by authorized health professionals. It is strongly urged that persons who have not experimented with or made use of such substances should avoid their use at all costs. Science to date has made no showing or claim that such non-prescribed use is in any way medically beneficial. For individuals interested in this subject, educational materials are available at the Counseling Service, the Student Health Center, the Employee Health Unit and the Institute on Drug Abuse Addiction, as well as selected locations throughout the District of Columbia. Individuals with drug-related problems should seek professional help, without delay, from these University resources, where such assistance is handled with the utmost confidentiality. Students with drug problems or concerns in this area are encouraged to seek help from or visit these agencies without fear of punitive consequences such as disciplinary police actions or expulsion from school.

## **Possession of Controlled Substances For Sale, Exchange, or Transfer, or The Sale, Exchange, Transfer or Manufacture of Controlled Substances**

The subject of individual involvement in the handling of illegal drugs is viewed by the University in an entirely different light. Federal and local laws make it abundantly clear that possession of controlled substances for the purpose of sale, exchange, or transfer as well as the manufacture, sale, transfer, or exchange of controlled substances are prohibited, and individuals responsible for violations of such laws are to be treated with severity. The University, as a part of the larger community, is similarly bound by law and of necessity and must act in similar fashion with offenders of its own regulations operative in this area. Although the University recognizes the need to provide a variety of remedial services to persons who fall victim to drugs, in the hope that causes of such problems can be removed; it does not intend to offer a haven for persons who intentionally violate its own standards of conduct or Federal and local laws dealing with this subject.

Howard University views illegal conduct in this connection with complete seriousness and the urgency of the matter deserves the immediate attention of each individual. It should especially be noted in this regard that students engaged in illegal conduct of this type are subject to summary **SUSPENSION**, **EXPULSION**, and/or **TERMINATION**, aside from or in addition to penalties which may flow from court disposition of such matters. Persons not formally connected with the University but who nevertheless are involved in illegal drug activity on University premises will be subject to **ARREST** and **PROSECUTION**. Involvement with illegal drugs subjects a person to criminal penalties, including felony conviction and often times imprisonment.

# GENERAL ADMISSIONS REQUIREMENTS

The University feels that each individual should give serious consideration to the possible permanent harm a conviction may do later in life. It is possible that the affected person will face the loss of many employees and citizenship privileges, such as professional licensing (law, medicine, certified public accountant, and the like), the right to vote and employment by governmental agencies and in many instances, private industry.

For those who would require proof, it has been clearly demonstrated that neither slavery nor compulsory segregation succeeded in robbing our people of their potency. To now permit the drug menace to signal the demise of our people would be no more a tribute properly befitting the efforts of our ancestors and contemporaries who have labored long and hard in the vineyard toward total liberation than would it be a proper legacy for future generations of our youth.

## **EQUAL OPPORTUNITY GRIEVANCE PROCEDURES**

The Equal Opportunity Office is located in Room 108, C.B. Powell Building, (202) 806-5770. Following are the procedures to be followed in the resolution of equal opportunity complaints. It should be noted that work days, as defined hereinafter, exclude Saturdays, Sundays, and holidays observed by the University.

Persons with equal opportunity complaints shall submit to the University's Equal Opportunity Officer, within 20 calendar days of the day on which the event giving rise to the complaint occurs, a written statement which specifies the nature of their complaint and evidence to support their charge of illegal discrimination.

### **The University's Equal Opportunity Officer shall do the following:**

Within 3 work days after receipt of written complaint—arrange a conference with the complainant, secure any additional information or clarification needed from the complainant and secure a signed Complaint Withdrawal Form from complainants who wish to withdraw their complaints.

Within 3 work days after the conference with pursuing complainants —forward to the concerned member of the Equal Opportunity Committee a copy of the written complaint and a written recommendation concerning salient points to be covered by the investigation.

The concerned member of the Equal Opportunity Committee or his/ her designee shall do the following within 15 work days after receipt of written communication from the Equal Opportunity Officer:  
Conduct an investigation of the complaint.

### **Submit a written report on finding and his/her decision of the Equal Opportunity Officer.**

The Equal Opportunity Officer, within 5 work days after receipt of written communication from the concerned member of the Equal Opportunity Committee, shall review the decision and findings and will do one of the following:

- a.) Mail notification to the complainant at last address on record that the matter has been resolved in favor of the complainant.
- b.) Mail notification to the complainant at last address on record that the matter has been referred to the Equal Opportunity Committee.

# GENERAL ADMISSIONS REQUIREMENTS

5. The Equal Opportunity Officer will refer to the Chairman of the Equal Opportunity Committee copies of all correspondence relative to the complaint.

6. The Chairman of the Equal Opportunity Committee, within 5 work days after receipt of written communication from the Equal Opportunity Officer, shall review the record and convene all available members of the Equal Opportunity Committee.

7. Members of the Equal Opportunity Committee, exclusive of the concerned member of the Equal Opportunity Committee, shall review the record and reach a decision. The decision of the Committee shall be final and binding for the University.

8. The Chairman of the Equal Opportunity Committee, within 5 work days after meetings of the Equal Opportunity Committee, shall notify in writing the University President, the concerned member of the Equal Opportunity Committee and the University's Equal Opportunity Officer of the Committee's decision and reasons for the decision.

Immediately upon the receipt of the Committee's decision, the Equal Opportunity Officer shall notify the complainant in writing about the decision.

## EXPENSES & FINANCIAL AID

### Office of the Bursar

Processes Remission of Tuition and all financial aid awards, except private funds given directly to the student. Authorizes payment of University-administered financial aid awards to a student's account (e.g. loans, scholarships, grants, remission of tuition, grants). The Office of the Bursar also processes credit balances (aka "refund checks") as well as refund and tuition adjustments; handles "special billing," (e.g., the official billing (or invoicing) of Embassies or other appropriate agencies or organizations responsible for paying the educational expenses of particular students). This office is responsible for entering late charges, institutional residential, parking and library fines, to the account of the student who incurs same.

The Office of the Bursar processes promissory notes provided by the Office of Financial Aid for University Emergency loans. Initiates and Processes promissory notes for Direct Student Loans, Perkins Federal Loans, Health Professions –Medicine, Dentistry, Pharmacy, and Nursing loans, as well as long-term University loans. The office processes student deferment forms as well as **repayment of University and Federal loans.**

### Costs

Educational costs depend on a student's program of study, the number of hours enrolled and living expenses. Costs for full-time tuition and fees vary based on a student's school/college and program. Students will not be allowed to receive financial aid in excess of their cost of attendance, regardless of the sources of funds. This includes, but is not limited to: federal, state, institutional, donor or external grants, gifts and scholarships. Current information about the University's tuition and fees is available at <http://www.howard.edu/studentfinancialservices/accounts/tuitionandfee.htm>.

# GENERAL ADMISSIONS REQUIREMENTS

## PAYMENT INFORMATION

### Payment in Full

All charges must be paid in full by the due date: Fall semester, July 1st and Spring semester, December 1st. Any outstanding balances will be assessed a \$100 late payment fee each month the balance remains and any other applicable late fees

### Installment Plan

Howard University offers several payment options for students and their families for the fall and spring semesters. Summer sessions must be paid in full at the time of registration. There are no payment plans or alternate payment options available for summer enrollment. Students and their families are provided with payment plan options each year which is subject to change. These payment options are generally provided via an online service who will accept most forms of debit/credit cards, wires, and electronic checks.

### Payment Methods

Payments may be made by credit card (Visa, American Express, MasterCard, Discover), cash, money order, cashier's check, certified check or wire transfer. A \$35.00 fee will be charged for all reversed credit card payments and returned checks. Subsequent checks will not be accepted. Checks and money orders should include the student's name and Howard University Identification Number.

### Financial Aid

Financial aid assists with offsetting educational expenses. The federal and state governments, as well as post-secondary schools, are public sources of aid, while civic groups, clubs, and religious organizations serve as private sources of aid. Financial aid is classified into three basic types: 1) grants and scholarships are 'gift aid' which are funds awarded that are not required to be repaid; employment is work, either on or off campus that you find through campus student employment services or on your own initiative; and a loan is monies borrowed from the federal or state government, the University or an alternative lender that must be repaid, including interest. Financial aid is distributed according to a variety of eligibility criteria within three categories: need-based aid and non-need-based aid and talent-based aid. Students are awarded need-based aid to assist in the difference between the total cost to attend the University full time and the amount of their family's contribution as determined by the federal government. Non-need based aid may be used to replace the family contribution if a student meets the necessary eligibility criteria, which may vary depending on the program and is generally based on merit (e.g. GPA). Talent-based aid is usually awarded via University-sponsored programs.

Financial aid is awarded based on financial need. At Howard University, more than half of all students receive some form of financial aid. The total amount of financial aid (need and non-need based) awarded to a student cannot exceed his or her total educational costs. Individual program requirements vary and funds are limited, therefore a student's total financial need may not always be met.



# GENERAL ADMISSIONS REQUIREMENTS

Most programs require that a student:

- a.) Is a U.S. citizen or eligible non-citizen and have a valid social security number. (Individuals in the U.S. on F1, F2, J1, and J2 visas are ineligible).
- b.) Be enrolled at least half-time in an eligible degree or certificate program.
- c.) Demonstrates financial need as determined by review of the Free Application for Federal Student Aid (FAFSA).
- d.) Not be indebted to any institution for repayment of any federal grant (Pell or SEOG) or in default on any federal loan (Perkins or Direct Loan).
- e.) Male students born after December 31, 1959 who are at least 18 years old are required to register with the Selective Service System.
- f.) Comply with the federal verification process, if necessary.

## Amount of Financial Aid Awards

The cost of attendance budget includes average amounts for all expenses to attend Howard University. These figures are based on the average living expenses in the Washington D.C. metropolitan area. Although many factors help to determine the amount a student receives, the financial aid award is based primarily on the student's demonstrated financial need.

A student's need is the difference between the cost of attendance and the amount students and their family are expected to contribute (EFC - expected family contribution). Once a student is admitted to the University, and his or her file is complete, the Office of Financial Aid will update the student's account which is viewable online via BisonWeb.

## What is a family's share?

A student and his or her family are primarily responsible for financing the student's education. They are expected to make a maximum effort to assist with college expenses. Students are also expected to contribute to their college expenses from sources that may include savings, summer earnings, monetary gifts from friends and relatives or other sources. Financial aid should be viewed as supplementary to the family's contribution.

## How is a family's share determined?

The income and asset information which a student (and his or her parents in the case of dependent students, or a spouse if married) provided on the FAFSA enables the U.S. Department of Education's Central Processing System (CPS) to determine the expected family contribution (EFC).

## MINIMUM CREDITS REQUIRED FOR FINANCIAL AID ELIGIBILITY

### Fall/Spring

### Semester Enrollment Status

**Full Time 3/4 Time 1/2 Time Less Than  
1/2 Time**

**Undergraduate 12 9 6 3**

**Note: Audited courses cannot be included in meeting the minimum required credit hours toward eligibility.**

# GENERAL ADMISSIONS REQUIREMENTS

## HOWARD UNIVERSITY REFUNDS AND ADJUSTMENTS OF TITLE IV FUNDS

Students who withdraw from the University within the first 60% of the semester will receive an adjustment to their Student Financial Aid. This adjustment to a student's Financial Aid will be based on a percentage which represents the amount of time remaining in the semester and will be applied to the total institutional charges assessed to the student, as well as the Title IV financial aid applied to the student's account.

The percentage that represents the amount of time remaining in the semester shall be determined by dividing the total number of calendar days in the semester not completed by the student by the total calendar days in the semester. The total calendar days in the semester begins with the first day of classes, ends with the last scheduled day of exams, includes weekends, but excludes scheduled breaks of five or more days and days that the student was on an approved leave of absence. No adjustments will be made to a student's Financial Aid if the percentage representing the amount of time remaining in the semester is less than 40%.

The University will refund the amounts due from the University and the student to the appropriate Title IV program in the following order:

- **Unsubsidized Federal Stafford Loans**
- **Subsidized Federal Stafford Loans**
- **Unsubsidized Federal Direct Stafford Loans**
- **Subsidized Federal Direct Stafford Loans**
- **Federal Perkins Loan**
- **Federal PLUS Loans Federal Direct PLUS Loans**

If unearned funds remain to be returned after repayment of all outstanding loan amounts, the remaining excess must be credited to any amount awarded for the payment period of enrollment for which a return of funds if required in the following order:

- **Federal Pell Grants**
- **Federal SEOG**
- **Other grants or loan assistance authorized by Title IV of the HEA.**

The University will assume the responsibility for making the appropriate refunds to the Title IV programs for overpayments received by the student, as well as overpayments received by the University. It is the responsibility of the student to pay the University for these overpayments within 90 days of the date that the student withdrew from the University. Failure to repay the University the amounts of the overpayments will jeopardize the student's eligibility for further Title IV financial assistance at Howard University as well as other institutions of higher education.

# GENERAL ADMISSIONS REQUIREMENTS

## SATISFACTORY ACADEMIC PROGRESS POLICY

Three components of your academic record determine whether you are maintaining satisfactory academic progress: (1) course completion, (2) grade point average (GPA) and (3) maximum eligibility. The requirements in each area vary according to your status as an undergraduate, graduate or professional student, your school/college of enrollment, and your enrollment status (full-time, half-time, or less than-half-time). This federal policy affects your eligibility for all forms of assistance, including but not limited to, the following aid programs:

- a.) Federal: Federal Work-Study, Federal Pell Grant, Federal Perkins Loan, Federal Direct PLUS Loan (Parent loan), Federal Supplemental Educational Opportunity Grant (SEOG), Graduate PLUS Loans, Federal Family Education Loan Program, Federal Direct Loan Program (Subsidized and Unsubsidized), Nursing Student Loans and Health Professions Loans and Grants
- b.) State: All State eligible programs, Alternate Loan Programs (that do not consider SAP to be a criterion), and Student Educational Loan Fund.
- c.) Institutional: Departmental scholarships/grants, Howard University Student Employment Program (HUSEP), Graduate Remission or Assistantships.
- d.) Private Loans: Students on SAP may only apply for private loans that do not seek a student's academic progression (or lack thereof) a necessary criterion. This is often done by conducting an internet search.

Satisfactory Academic Progress will now be evaluated on a per semester basis. It will no longer be evaluated on an annual basis. Once a student finds themselves as being on 'financial aid suspension' per email notification and by checking their BisonWeb account, they then are to initiate the appeal process. Once an appeal has been received, reviewed, and approved by members of the office's Professional Judgment Committee, students must also submit an Academic Plan (AP) to be electronically signed and acknowledged by their major advisor. The AP must have the advisor's signature on it to confirm they have approved the courses a student plans to take and successfully pass in the upcoming semester.

If AP's are not received within a timely manner, this will subsequently affect the disbursement of a student's aid for that particular semester. If a student changes their classes (by adding or dropping) within the same semester, they must resubmit their AP to the Office of Financial Aid noting the necessary changes and their academic advisor must e-sign those changes. At the conclusion of each semester, a student's performance will be assessed on the following criteria:

### Completion Ratio

Your enrollment status is reviewed at the conclusion of each academic semester (fall and spring) to verify that you have earned the required minimum number of credits during fall and spring semesters. You are required to complete at least 70% of all attempted hours of coursework each academic semester. (E.g. If a student registers for 15 credit hours in the fall semester; 5 (3 credit) courses, they must pass each course with a letter grade of "C" or better.) Grades or indicators of 'F' (Fail), 'I' (Incomplete), 'U' (Unsatisfactory), 'UW' (Unofficial Withdrawal), 'NR' (Never Reported) all count against your completion ratio. Repeated coursework may not be used in the calculation of your completion ratio and is not covered by financial aid.

# GENERAL ADMISSIONS REQUIREMENTS

## **Cumulative Grade Point Average (GPA)**

As an undergraduate student, your per semester grade point average (GPA) will be reviewed. Freshmen students with a GPA lower than 2.0 at the conclusion of the fall semester will be placed on Financial Aid Probation. Regardless of the program of study, students who do not meet the required minimum GPA requirements (or academic standards) of the program are automatically SAP suspended.

## **Maximum Eligibility**

A student will maintain financial aid eligibility for a specified period of time. Undergraduate students must complete their chosen academic program within 150 percent of the number of credit hours required for graduation or successful completion. (For example, an undergraduate student may attempt a maximum of 191 credit hours for a program requiring 127 hours for graduation.)

Undergraduate students will be notified when they are within 24 credit hours of reaching the expiration of their financial aid eligibility. Students must continue their studies at their expense they have reached their maximum eligibility.

## **Financial Aid Probation**

If at the end of the semester a student is listed as being on PROBATION of any kind (e.g. Probation for Credits, Probation for Grades and Probation for Grades/Credits), the student is still eligible to receive aid for the next semester. A student's probationary status is a warning that he or she must meet all SAP criteria for any subsequent terms of attendance in order to maintain financial aid eligibility. A student does not need to appeal this status in order to receive aid. Financial aid probation will occur for a student's next academic semester of attendance if he or she fails to earn the minimum number of credits and/or the GPA required. Such students may continue to receive financial aid while on financial aid probation.

## **Types of Financial Aid Suspension**

Your financial aid eligibility will be suspended if you fail to earn the necessary credits or achieve the required GPA while on financial aid probation. At that time, you will no longer be eligible to receive financial aid to attend Howard University. To reinstate your financial aid eligibility, you must appeal to the Office of Financial Aid by the proposed deadline per semester. If a student's appeal is denied for whatever reason, they then may re-enroll and successfully complete the courses they have registered for at their own expense, at least for one semester. At the conclusion of that particular semester, students may then re-appeal to the Office of Financial Aid explaining in a detailed type-written narrative to then request to have their aid reinstated. Students cannot receive financial aid if they do not meet the necessary criteria. Students who have been suspended consecutively will be ineligible for aid reinstatement until they have covered the courses they have registered for at their own expense. Students are more than welcome to seek other sources of funding that include alternative loans that do not consider SAP to be a criterion.

## **Academic Suspension**

You are not eligible to receive financial aid if you have been de-matriculated (academically suspended) from the University. When you have been readmitted by the University; a process students must complete with the Office of Admission, as a Former Student Returning, you must complete the SAP appeal process. Your financial aid eligibility status will be determined based on the SAP criteria and a thorough a review of your academic transcript.

# GENERAL ADMISSIONS REQUIREMENTS

## Exclusions

The following types of registration and grades cannot be used to fulfill probation, suspension or re-matriculation requirements: credits by special exam, Advanced Placement or CLEP exams, distance education or correspondence courses for which you have not obtained prior approval, audit, withdrawal, incomplete and zero credit courses.

## Appeal Process

You may appeal a financial aid suspension status by submitting a completed appeal packet to the Office of Financial Aid within 14 calendar days from the date of your notification. It is the responsibility of the student to follow up with their advisor as often as possible, throughout the semester, by checking their BisonWeb account for updates by checking their financial aid eligibility from one semester to the next, as well as their personal preferred email address for emails on pertinent deadlines and updates.

### ***Types of suspension that CAN BE appealed by the appropriate deadline:***

- a.) Suspension from the University - Student is academically suspended from the University.\*
- b.) Suspension for Credits - Student did not earn at least 70% of the credit hours attempted in the previous two (2) academic years.
- c.) Suspension for Grades\*\* - Student did not earn minimum GPA required for 'good standing' for previous two (2) years.

### ***Types of suspension that CANNOT be appealed:***

- a.) 4 Year Undergraduate Suspension - Student has met or exceeded maximum degree timeframe (1.5 times the total minimum credit hours required for degree).
- b.) 5 Year Undergraduate Suspension - Student has met or exceeded maximum degree timeframe (1.5 times the total minimum credit hours required for degree) OR has more than 12 hours of incomplete credits.

## **SAP Appeal forms are available to suspended students via BisonWeb.**

If you have failed to achieve SAP (Satisfactory Academic Progress) because of mitigating circumstances, your appeal packet must consist of the following:

- a.) SAP appeal form with type of suspension indicated per your BisonWeb account
- b.) Detailed type-written narrative of what led to your suspension status, and explanation of what you intend to do to improve your plan of action, and
- c.) Copies of all supporting documentation attached.

Once your appeal has been received and reviewed by the Appeals Committee, you will receive written notification of the committee's decision by email to the address you have provided in your appeal packet. You will also notice the appropriate changes made to your award package on your BisonWeb account. Note: All incomplete appeals will be denied. All appeal decisions are final and the submission of a SAP appeal does not guarantee reinstatement of aid eligibility. Students who are currently SAP suspended are strongly advised to create alternate financial plans in the event your appeal is denied.

# GENERAL ADMISSIONS REQUIREMENTS

## Additional SAP Requirements

*If you are listed as being SUSPENDED FROM THE UNIVERSITY, the appeal process is two-fold.*

Step 1: You must appeal to your school/college as well as

Step 2: the Office of Financial Aid. It is your responsibility to stay abreast of deadlines. Stipulation letters do not ensure financial aid reinstatement and one is not contingent upon the other.

For further inquiries please contact the Office of Financial Aid at:

<http://www.howard.edu/financialaid/contacts/staff-finaid.htm>

- a.) Although you may not be receiving financial aid, you will be evaluated for financial aid eligibility on the same basis as students who receive federal and state aid. Should you apply for aid, your eligibility will be based on your prior academic performance at Howard University.
- b.) If you are enrolled in a dual degree program, you may appeal for an extension of the maximum time frame provision of this policy.
- c.) If you are an undergraduate student pursuing a second degree, you may attempt an additional 48 credit hours to complete your second degree program, including prerequisite courses. Graduate/professional students may attempt an additional 24 credit hours.
- d.) If you are a transfer student, your maximum eligibility will be reduced by the number of transfer credits accepted by Howard University.
- e.) Credits you have earned at foreign institutions will be included in your SAP evaluation provided they are applicable to the degree/program sought.
- f.) Courses in which you receive a grade of 'I'(incomplete) accompanied by a letter grade will be considered when evaluating your completion ratio, and will influence your term and cumulative GPA. All attempted and earned credits are considered in maximum eligibility determination.
- g.) Courses in which you receive a grade of 'W' (withdrawal) do not earn credits or affect your GPA, but they will be considered when evaluating your maximum eligibility. You may retake courses from which you withdraw and those credits will count toward determining your enrollment status and completion ratio, provided you have not earned credit for the same course.
- h.) If you are enrolled in undergraduate remedial courses, credits attempted/earned will count toward determining your enrollment status, minimum credits earned and maximum eligibility.
- i.) If you take undergraduate courses while you are a graduate student, courses that are satisfactorily completed do not earn graduate credit or influence your graduate GPA, nor will they count toward determining your enrollment status or minimum credits earned at the graduate level.
- j.) All undergraduate and prerequisite courses are evaluated in SAP Maximum Eligibility.
- k.) If you are taking courses to earn professional licensure, you must be admitted to a degree program in order to receive financial aid. Students completing licensure courses and are not seeking a bachelor's, master's, or doctoral degree are not eligible for financial aid.
- l.) The credits earned from repeated courses will count toward the determining your enrollment status and maximum eligibility. However, for purposes of financial aid satisfactory academic progress, only credits adding to the cumulative credits earned will be acceptable toward the required minimum number of credits earned per year.
- m.) If you attend a summer session and wish those credits/grades to be considered with your fall and spring total, you must complete the appeal process at the end of the summer term. Summer credits will count toward determining your maximum eligibility.

# GENERAL ADMISSIONS REQUIREMENTS

## **FEDERAL FINANCIAL AID UNOFFICIAL WITHDRAWAL POLICY**

Howard University is required by federal law to identify and report any student who has unofficially withdrawn from the University and is a recipient of federal student aid. As a result of this requirement, it is the policy of Howard University that all faculty members, by the end of the Mid-term of each semester, identify students who have never attended class. The faculty will be required to report this unofficial withdrawal data using the online Banner Web Grade Reporting System. A grade of "UW" (Unofficial Withdrawal) will be assigned to any student who stopped attending and participating in the course and did not officially withdraw. A grade of "NR" (Never Reported) will be assigned to any student who never attended or who stop attending without officially withdrawing will adversely affect their grade point averages through the failing grades they will earn at the end of the semester.

## **SECTION II--UNDERGRADUATE PROGRAM DESCRIPTIONS**

- College of Arts & Sciences
- School of Business
- School of Communications
- School of Education
- College of Engineering, Architecture & Computer Sciences
- College of Nursing & Allied Health Sciences



**COLLEGE OF ARTS & SCIENCES**

**PROGRAM DESCRIPTIONS**

## COLLEGE OF ARTS & SCIENCES

<http://www.coas.howard.edu/>

### **About the College of Arts & Sciences**

The College of Arts and Sciences began its work on September 21, 1867, as the Collegiate Department, with an academic program which included courses in English, Greek, Latin, French, German, Spanish, mathematics, philosophy, and botany. During the subsequent ten years, the curriculum was expanded to include theology, history, and additional courses in science. With 19 academic departments, it is the largest of the University's schools and colleges.

### **Admission Requirements**

To be admitted into the College of Arts and Sciences, students must have taken the courses listed below with the unit requirements:

- English (4)
- Mathematics (2)
- Foreign language (2)
- Natural science (2)
- Social science (2)
- Any other academic courses counted toward graduation (4)

In addition, applicants to the College of Arts and Sciences must fulfill all requirements for admission to the University as indicated in the Admission webpage at:

<http://www.howard.edu/enrollment/admission/undergraduate.htm>.

### **Curriculum**

The College of Arts and Sciences offers broad and balanced programs in the fine arts, the humanities, the natural sciences and social sciences. The curriculum of the College is designed to meet the needs and interests of a diverse multicultural student body. A liberal education, in the traditional sense, is the central focus of programs that provide opportunities for exploring modern technologies and gives attention to the College's historical concern and sensitivity to social justice. The College is located on the main campus, a setting which fosters a variety of academic and social activities for students. Studies at the College typically cover four years. During the freshman and sophomore years, students concentrate on fulfilling general education requirements by taking courses in the humanities, the social sciences, and the natural sciences. During the junior and senior years, students pursue courses in their major and minor areas. In the senior year all students must pass a comprehensive examination or approved option in their major field as a requirement for graduation.

## **DIVISIONS AND DEPARTMENTS**

### **DIVISION OF FINE ARTS:**

**Departments:** Art, Music, and Theatre Arts

### **DIVISION OF HUMANITIES**

**Departments:** Classics, English, Philosophy, and World Languages and Cultures

### **DIVISION OF NATURAL SCIENCES**

**Departments:** Biology, Chemistry, Comprehensive Sciences, Health, Human Performance and Leisure Studies, Mathematics, Physics and Astronomy, Preprofessional Education, Psychology

### **DIVISION OF SOCIAL SCIENCES**

**Departments:** African Studies, Afro-American Studies, Air Force & ROTC (Military Science), Army ROTC (Military Science), Economics, History, Political Science, Sociology and Anthropology\*

### **OTHER ACADEMIC UNITS**

- Pre-preprofessional Education
- Honors Program

### **DEGREE PROGRAMS**

The College of Arts and Sciences offers programs leading to the following bachelor's degrees:

Administration of Justice B.A.

African Studies B.A.

Afro-American Studies B.A.  
Art History B.A.  
Art B.F.A.  
Chemistry B.S.  
Economics B.A.  
English B.A.  
French B.A.  
Health, Human Performance & Leisure Studies B.S.  
History B.A.  
Mathematics B.S.  
Music B.M.  
Philosophy B.A.  
Physics B.S.  
Political Science B.A.  
Psychology B.S.  
Sociology B.A.  
Spanish B.A.  
Theatre Arts B.F.A.

### **General Education Requirements**

It is expected that all students following a program leading to the Bachelor of Arts or Bachelor of Sciences degree will, before the beginning of the junior year, complete a schedule of study in general education embracing the following: English, Speech, Foreign Language, Mathematics, Afro-American Cluster, Philosophy, Health, Human Performance and Leisure Studies and courses prescribed for divisional requirements. Although a major must be declared prior to the end of the Sophomore year, it is advisable that a student declare a Major as early as possible. (Students have the option of changing their major at any time.) In choosing courses to fulfill Divisional requirements, students should be guided by their choice of a major field.

The General Education Requirements for a student seeking a Bachelor of Arts degree or a Bachelor of Science degree in the College of Arts and Sciences follow:

**1. Freshman Seminar** [1 credit hour]

All New Entrants to the College of Arts and Sciences must enroll in and pass Freshman Seminar (FRSM- 001), which is a requirement for graduation.

**2. English 002, 003**

English 002, 003 and a third English course which may be fulfilled by a Writing Across the Curriculum course, English 009, English 010, English 129 or an equivalent course as determined by departments. Students who earn a 5 or higher on the AP Language Exam may be exempted from 002. All students must earn a grade of C or better in 002, 003, and the third writing course.

**3. Principles of Speech** - SLMC 101 (COMC 101) offered by the School of Communications.

**4. Mathematics** [one year sequence]

College Algebra sequence [MATH 006, MATH 010] or Precalculus Sequence [MATH 006, MATH 007]; or higher level courses as assigned based on score received on Mathematics Placement examination; or equivalencies as determined by the Divisions of the College in concurrence with the Department of Mathematics.

**5. Foreign Language**

Students must demonstrate mastery at the 004 level, with equivalencies as determined by the Divisions with professional degree programs in concurrence with the Departments of World Languages and Cultures, or Classics. Eligible Foreign Languages may include: Arabic, Chinese, French, German, Haitian Creole, Japanese, Korean, Russian, Spanish, Swahili, Wolof, Greek, Latin.

**6. Health, Human Performance and Leisure Studies** [TOTAL = 4 credit hours]

- Two activity courses (1 credit hour EACH)
- One Swimming course (1 credit hour)
- One health course (1 credit hour)

- NOTE: Only the following courses may be used to fulfill this requirement:
  - Health Science (HHPL 159)
  - Women's Health (HHPL 160)
  - Controlling Stress and Tension (HHPL 175)

### 7. Philosophy

Students should select one course from the following list:  
PHIL 051, PHIL 053, PHIL 055, PHIL 057, OR PHIL 059.

### 8. Comprehensive Examination

All students are required to take and pass a comprehensive examination in their major. For details concerning the examination, students should contact their department or the Arts and Sciences Educational Advisory Center.

### 9. The University-wide African-American Cluster Requirement

Students must satisfy an African-American course requirement, which may be selected from the following list:

- ENGL 054/055 African-American Literature
- POLS 006 Pan-Africanism
- HIST 005/006 Introduction to Black Diaspora
- AFST 101 African World: Intro. To Contemporary Africa
- AFRO 005/006 Afro-American Studies
- MUTP 100 Blacks in the Arts
- FASH 102 Perspectives on African-American Dress
- ARTH 193 Black Body Dress and Culture

### 10. Bachelor of Fine Arts, Bachelor of Arts, Bachelor of Music, Bachelor of Music Education

The General Education Requirements for a student seeking a Bachelor of Music degree or a Bachelor of Fine Arts degree or a Bachelor of Music Education in the College of Arts and Sciences include the following: 1 (Freshman Seminar) and 9 (African-American Cluster) from the list above.

## GENERAL EDUCATION COMPETENCIES

### Competency Area 1: Written Communication

1. Write effectively using proper sentence structure and grammar
2. Learn style and mechanics of writing essays, reports or term papers
3. Write with style or persuasively

### Competency Area 2: Scientific Reasoning, Data Management, and Data Analysis

1. Use scientific methods to interpret data and make conclusions
2. Collect, organize, and interpret data
3. Use mathematics to analyze data and make decisions

### Competency Area 3: Critical Thinking

1. Effectively interpret evidence, information, and points of view of others
2. Evaluate evidence, use research methods and inference to draw supportable conclusions

### Competency Area 4: Historical Awareness and Cultural Diversity Appreciation

1. Understand aspects of African, European, or American culture, history, economics, politics, and society
2. Acquire appreciation of art, literature, music, or beliefs of various cultures

### Competency Area 5: Computer and Information Technology

1. Use computer technology to produce documentation
2. Use computer technology to make presentations
3. Use computer technology and software to display data and create graph

### Divisional Requirements

Divisional requirements in the Humanities, Social Sciences, Natural Sciences and Fine Arts are determined by each department. Students should refer to their curriculum scheme for their major and consult their department's website to confirm the divisional requirements for their respective majors

DIVISIONAL COURSES AND COURSE TITLES

**SPECIAL NOTE: No more than 6 hours in a single department of the College of Arts and Sciences or in any other school or college can be counted to satisfy the divisional studies requirement.**

**DIVISIONAL STUDIES A:**

No knowledge of a foreign language is required for any course listed below.

\* Prerequisite is ENGL 003

\*\* Recommended for freshmen

CLAS	014	Introduction to Humanities I
CLAS	015	Introduction to Humanities II**
ENGL	014	Introduction to Humanities I**
ENGL	015	Introduction to Humanities II**
SPAN	014	Introduction to Humanities I**
SPAN	100	Hispanic Literature in English**
SPAN	015	Introduction to Humanities I
GERM	014	Introduction to Humanities I
GERM	015	Introduction to Humanities II
FREN	014	Introduction to Humanities I
FREN	015	Introduction to Humanities II

**NOTE**

**014 Introduction to Humanities I is a single course covering the same academic content across disciplines. Students who enroll in multiple 014 courses (e.g. CLAS 014 and GERM 014) are repeating a course and therefore not eligible to graduate with departmental honors. The same applies to 015 Introduction to Humanities II.**

CLAS	016	Ideas in Antiquity**
CLAS	101	Greek Literature**
CLAS	102	Roman Literature**
CLAS	103	Classical Art
CLAS	108	Greek Drama
CLAS	109	Classical Mythology**
CLAS	111	Satire and Comedy in the Ancient World
CLAS	113	Women in the Ancient World
CLAS	114	Love in Antiquity
ENGL	054	Afro-American Literature to 1940*
ENGL	055	Afro-American Literature Since 1940*
ENGL	180	Third World Lit. Myth and Archetype*
ENGL	056	(formerly 168 and 225) Modern Caribbean Lit.*
HUMA	107	Women in Literature
SPAN	100	Hispanic Literature in English
SPAN	107	Women in Literature
GERM	100	Individual and Society**
GERM	101	Literature of Love
GERM	107	Women in Literature
GERM	109	Nor. European Mythology and Fables
GERM	111	Classic Films in English
RUSS	100	Russian Short Stories in English
RUSS	101	Literature in Revolution
RUSS	103	Love and Hate in Literature
RUSS	109	Slavic Mythology
FREN	100	Francophone Literature in English
FREN	106	African Cinema
FREN	107	Women in Literature
MUSC	100	Introduction to Music
ARTH	161	Art Appreciation**
THFD	010	Introduction to the Theatre**

**DIVISIONAL STUDIES B: SOCIAL SCIENCES OPEN TO FRESHMEN**

CLAS	104	Greek Civilization
CLAS	105	Roman Civilization
CLAS	112	Ancient Law and Politics
CLAS	115	Slavery in the Greco-Roman World
POLS	001	Intro to Study of Civilization**

HIST	001	Intro to Study of Civilization**
HIST	005	Intro to Black Diaspora I**
HIST	006	Intro to Black Diaspora II**
HIST	101	World Geography**
HIST	102	Economic Geography**
SOCI	001	Introduction to Sociology**
GERM	145	Cultural Life of Germany I
GERM	146	Cultural Life of Germany II
RUSS	145	Cultural Life of Russia
RUSS	150	Introduction to Black Diaspora
AFST	106	Intro to African Studies
AFRO	005	Afro-American Studies I**
AFRO	006	Afro-American Studies II**

**DIVISIONAL STUDIES C: SOCIAL SCIENCES OPEN TO SOPHOMORES**

CLAS	110	Blacks in Antiquity
ECON	001	Principles of Economics I
ECON	002	Principles of Economics II
ECON	199	Intro to Urban Economics
POLS	003	Introduction to Comparative Politics
POLS	005	Intro to African Politics
POLS	011	State and Local Government
POLS	143	Black Electoral Politics
HIST	003	Europe and the Wider World
HIST	004	Europe and the Wider World
HIST	009	U.S. History to 1877**
HIST	010	U.S. History since 1877**
HIST	030	Introduction to African History
HIST	031	Introduction to African History
HIST	040	Introduction to the History of Latin American and the Caribbean
HIST	041	Introduction to the History of Latin American and the Caribbean
HIST	150	Introduction to European History
HIST	051	Introduction to European History
HIST	054	Introduction to England
HIST	060	Introduction to East Asian Civilization
HIST	061	Introduction to East Asian Civilization
SOCI	198	Negro in America
ANTH	110	Introduction to Cultural Anthropology
ANTH	120	Introduction to Biological Anthropology
AFST	101	Intro to Contemporary Africa
AFRO	131	Black Philosophy I
AFRO	133	19th Century Black Social-Political Thought
AFRO	191	Contemporary Slavery

## **DIVISIONAL STUDIES D: NATURAL SCIENCES**

COMP	001	Life Sciences Lecture/Lab**
COMP	002	Planetary Sciences Lecture/Lab**
COMP	003	Physical Sciences Lecture/Lab**
COMP	004	Computers and Society Lecture/Lab**
CHEM	001/002	General Chemistry Lecture/Lab
MATH	006	College Algebra I
MATH	007	Pre-calculus
MATH	009	Introduction to Statistics
MATH	010	College Algebra II
MATH	012	Patterns in Mathematics
MATH	026	Calculus
PHYS	001/002	General Physics Lecture/Lab
PHYS	013	Physics for Science & Engineering Students I Lecture/Lab
PHYS	014	Physics for Science & Engineering Students II Lecture/Lab
PHYS	001	The Astronomical Universe
PHYS	010	General Astronomy
PHYS	011	General Astronomy
PSYC	050	Introduction to Psychology**
BIOL	101	General Biology I Lecture/ Lab
BIOL	102	General Biology II Lecture/Lab

### **Residence Requirements**

The College of Arts and Sciences requires that students spend the last 30 hours of undergraduate study in residence at the university in the school or college in which the degree is awarded.

### **Major & Minor Requirements**

All candidates for a degree in the College of Arts and Sciences must follow a program of study consisting of a major and minor concentration. A major concentration is a series of courses prescribed by a given department as being necessary for a major in that department. A major ordinarily includes 30 to 39 credits earned in a single department or in closely related departments. A minor concentration is a combination of courses from other departments that is designed to broaden the student's perspective and buttress his/her major area of concentration. A minor consists of 15 to 18 credits earned in one or more areas outside the student's major department.

### **Transfer Credits**

The College of Arts & Sciences will accept a maximum of 60 credit hours of transfer credits from other regionally accredited colleges.

Students may transfer the maximum 60 credits at the time of enrollment in the College. Alternatively, students may choose to take courses at other institutions during their matriculation at Howard University, and may transfer up to 60 credit hours over time.

Students who choose the latter must receive official approval from the following: Chairman of the Department of the discipline involved, the Chairman of the major department, and the Dean of the College or his/her designee.

Students may use officially approved courses taken at other institutions to satisfy any requirement. This would include those courses that do not have departmental equivalents, but that have equivalents in another Howard University school or college.

Students must earn a grade of "C" (2.0) or better in a course for which they seek transfer credit. Students who transfer from other institutions will receive all possible credit for the number of hours and courses transferred. Grades and grade point averages earned at other institutions are NOT transferable to the College.

### **Credits for Graduation**

Beginning Fall 2013, the following are required for graduation from the College of Arts and Sciences:

- A total of 120 semester hours, exclusive of courses taken through the Center for Academic Reinforcement (CAR)
- grades of C or better in all courses used to satisfy the minimum credit-hour requirement for departmental majors
- grades higher than C for courses used to satisfy requirements for departmental majors in any department stipulating this requirement
- and a cumulative grade point average of 2.0 or better in departmental majors, as well as in the minor fields of concentration

All freshmen in the College of Arts and Sciences must take and pass Freshman Seminar (FRSM 001).

### **Honors Requirements**

Honors at commencement will be awarded as follows:

#### **Cum Laude**

This honor is granted on the basis of a cumulative grade point average of 3.2 or higher.

#### **Magna Cum Laude**

This honor is granted on the basis of a cumulative grade point average of 3.5 or higher.

#### **Summa Cum Laude**

This honor is granted on the basis of a cumulative grade point average of 3.8 or higher. Grades in non-credit courses will not be considered in determining honors. To be eligible for honors at graduation, a student in the College of Arts and Sciences must complete at least 12 credits for each semester of each regular semester enrolled, with the exception of the last semester in residence. A student who has not completed the last half of work required for their degree at Howard University is not eligible for honors.

### **HONORS PROGRAM**

<http://www.coas.howard.edu/honors/>

The Honors Program offers intensified study for selected students. Emphasis is on the acquisition of knowledge and the comprehension of ideas. Opportunities for independent study are available as early as the sophomore year.

Work in Honors is offered in each of the four years of study. Students who fail to qualify for honors study during the freshman year may be admitted at the beginning of their sophomore year. An honors student must satisfy all requirements for graduation that are not included in the Honors Program. Courses designated as honors courses in the Student Reference Manual and Directory of Classes are normally restricted to students formally enrolled in an honors program. Other students must obtain the written permission of the instructor to enroll in such courses.

Honors study includes courses in general education and in specialized departmental areas. Work in general education consists of courses in English composition, literature, and natural and social sciences during the freshman year, and seminars during the sophomore and junior years. In the student's area of specialization, honors study allows for flexibility with opportunities for independent study through supervised reading in the sophomore and junior years and directed research in the senior year.

In the **Freshman** year, Honors Program students enroll in special courses in the humanities, natural sciences, and social sciences that supplant similar general education requirements of the college.

As **Sophomores**, Honors Program students augment their required courses with directed reading courses in their major.

In the **Junior** year, Honors Program students continue their independent study and conduct research under the guidance of a faculty mentor in addition to completing requirements of their major.

In their **Senior** year, students write an honors thesis, which is typically a culmination of their research, and present the thesis to their respective departments and the Honors Program prior to graduation.



## DEPARTMENTAL HONORS

Students may be admitted to departmental honors in the major department if the cumulative and departmental grade point averages are 3.2 or higher. Students who earn a "B" in the departmental honors project and a final grade point average of 3.2 or higher will graduate with departmental honors. Students who earn an "A" in the departmental honors projects and a final average of 3.5 or higher will graduate with departmental high honors.

Students are not eligible to graduate with honors if they have repeated a course(s); they have not carried at least 12 credits for each semester enrolled, with the exception of the last semester in residence; and they have not completed the last half of the work required for their degree in residence at Howard University.

## DEAN'S HONOR ROLL

Each academic year, the Dean of the College of Arts and Sciences publishes an honor roll of all full-time students in the College who earned an average of 3.2 or higher for courses completed during the preceding year.

## Double Majors

Students may major in two subjects in the College of Arts and Sciences, in which case the application for a degree must be approved by both departments. Students who double major must meet all the graduation requirements for both subjects including the passing of the senior comprehensive examination in both subjects. There is no option for triple major.

## Course Load

The normal load in the College of Arts and Sciences is five courses (excluding ROTC, Health, Human Performance and Leisure Studies activity courses, and Freshman Seminar). Any program exceeding the normal load must be approved by the Dean of the College or by the Educational Advisory Center. A student in the College must have an average of "B" or better during the preceding semester to take one additional course.

## Course Overrides

The university strictly enforces the policy regarding course overrides. The Student Reference Manual states the following:

"The course override capability exists for the sole purpose of accommodating those relatively few students who are given permission to either (a) enroll in a class that is "closed" or (b) enroll in one or more classes that have reasonable time conflicts within the student's schedule. Course overrides must be approved by the person (s) designated by the Dean/Associate Dean of each School/ College/ Division, according to the procedures established by such School/ College/ Division.

Please note particularly that overrides for closed classes in the following three departments will not be approved by the College of Arts and Sciences. Nor will such override requests be processed in the Office of the Registrar:

- Afro-American Studies
- World Languages and Cultures
- Health, Human Performance and Leisure Studies

Students who are seeking admission into closed classes in those departments should review the Afro-American Cluster and Divisional Course Requirements in the Student Resources section at <http://www.howard.edu/bisonweb/> to make alternate class selections.

See the Student Reference Manual <http://www.howard.edu/enrollment/registration/> for signatures required on override forms.

## Course Repeats

An undergraduate student may repeat only once a course for which he/she has received a grade of "D" or "F". The lower grade will not be counted in the computation of the GPA.

Exceptions to repeating a course more than once will be made only if it is a major or minor requirement for which the minimum grade of "C" is required, or if a student is ineligible to advance to the next level without a passing grade. All subsequent repeats, after the first one, will be counted in computing the GPA.

In all course repeats, the failing or previous grade is NOT expunged from the academic record.

Students are not eligible to graduate with honors if they have repeated a course(s); they have not carried at least 12 credits for each semester enrolled, with the exception of the last semester in residence; and they have not completed the last half of the work required for their degree in residence at Howard University.

### **Accelerated Health Education**

The accelerated Medical and Dental Education Programs are joint curricula at Howard University spanning the premedical and medical, or pre-dental and dental programs. These programs offer students an opportunity to pursue a joint program for requirements for the degrees of Bachelor of Science and Doctor of Medicine, or for the degrees of Bachelor of Science and Doctor of Dental Surgery in six years, rather than the conventional eight. There is also an option not to complete the baccalaureate degree requirement if there is evidence through high scores on standardized test and a high performance in courses of outstanding college-level achievement. Application for admission to these programs must be made to the Preprofessional Education Program.

### **Health Education Counseling**

The Center for Preprofessional Education organizes and directs programs that strengthen the motivation and preparation of Arts and Sciences and Graduate students for success in the curricula for Health Education. The Center provides individualized counseling for the professions of:

- Allied Health Sciences
- Dentistry
- Pharmacy
- Allopathic Medicine
- Podiatric Medicine
- Optometric Medicine
- Osteopathic Medicine
- Veterinary Medicine

Special Programs include:

- Bachelor of Science/Doctor of Medicine (B.S./M.D.)
- Bachelor of Science/Doctor of Dental Surgery (B.S./D.D.S.)
- Prepharmacy
- Health Science Institute (HIS) and
- High School/College Internship Program (HSCIP)

Inquiries about these programs (e.g. applications, test requirements) should be directed to the Center's office.

### **Teacher Education**

Students matriculating in the College of Arts and Sciences may enroll in the joint 5-Year Elementary Education program between the College of Arts and Sciences and the School of Education, in which the student receives an undergraduate degree and a graduate degree. In addition, students in the College of Arts and Sciences may also enroll in courses for early childhood and secondary education. For further information about these programs, contact the Educational Advisory Center in the College of Arts and Sciences or the coordinator for Undergraduate Students Services in the School of Education.

## ADMINISTRATION OF JUSTICE

<http://www.coas.howard.edu/sociologyanthropology/justiceobjective.htm>

The Administration of Justice (AOJ) program places special emphasis on examining relationships between people of color and components of the criminal justice system. The interface between minority offenders, crime causation factors and treatment strategies designed to deal with criminal and delinquent behavior, represents the program's central theme. The AOJ program strives to:

- Introduce students to an integrated core of sociological and criminological knowledge and concepts related to the criminal justice system
- Provide students with a thorough grasp of knowledge relevant for the AOJ field, as well as an appreciation for the careful analysis of the structure of the criminal justice system
- Provide students with the educational background necessary to assume important decision-making roles in criminal justice and in related service areas
- Encourage students to understand, apply, and revise, where necessary, the variety of approaches designed to deal with problems of the administration justice in society
- Provide students with the analytical and conceptual skills necessary to understand and formulate solutions to the unique problems of minorities in relation to the criminal justice system.

**The Administration of Justice** program provides students with the basic tools for analysis and insight, including research methods (both quantitative and qualitative) and theory. Furthermore, our curriculum equips students to more effectively negotiate the diverse society in which we live by addressing social inequalities such as race/ethnicity, gender and social class. Above all, the AOJ program with its emphasis on writing, critical thinking, group dialogue, and one-on-one faculty mentorship, gives graduates the strong writing, research, and analytic skills that are increasingly attractive to employers in the information age.

Underlying the program is the assumption that successful careers in the justice field require broad basic educational preparation in the humanities, and social and behavioral sciences. Such preparation involving classroom instruction affords students a better understanding of the complexities of human conduct, as well as an appreciation of some of the problems associated with human social life. Theoretically-based instruction is combined with practical experience to give students more comprehensive knowledge of the criminal justice system and its linkages to the larger institutional structure.

## AFRICAN STUDIES

<http://www.coas.howard.edu/africanstudies/>

The Department of African Studies (DAS) provides an opportunity for Howard students to acquire an objective view of the present position of Africa in the modern (and changing) world, as well as an understanding of Africa's economic, social, and political problems. The department has adopted an interdisciplinary approach to the study of Africa at both the undergraduate and graduate levels. At the undergraduate level, the department educates students who wish to continue their studies in African affairs or are preparing to work in this field.

The DAS offers the only undergraduate major in African Studies in the United States. Students graduating from the department typically go on to undertake further study and professional careers in African and international affairs as well as obtain employment in fields such as teaching, law, social work, communications, business, non-governmental and governmental organizations.

The mission of the DAS at the undergraduate level is to provide an opportunity for Howard students to acquire, through interdisciplinary study, a comprehensive understanding of Africa's role and relations in the contemporary world. The department has specialists representing many disciplines who expose students to an integrated approach to studying a range of African political, historical, economic, social and cultural issues and to the critical skills for analyzing and addressing Africa's challenges.

The Department of African Studies encourages students to seek and take advantage of internship opportunities available in the Washington, DC metropolitan area and elsewhere nationally and internationally. The Director of Undergraduate Studies as well as the Chairperson and other faculty members

of the department assist students in identifying and obtaining such internships that provide practical experiences in professional and community service settings.

Students doing internships register for AFST 183 or AFST 195: Internship in African Studies and prepare a research paper or work on other projects approved by the professor and/or the internship director. Only African Studies majors with senior standing can gain academic credit for internship.

### **AFRO AMERICAN STUDIES**

<http://www.coas.howard.edu/afroamerican/>

A major in Afro-American studies prepares students to understand the context and dynamics of the African-American experience, past and present, gives you an introduction to the methods of the social sciences in a comparative, interdisciplinary context, and develops your abilities for graduate studies. You can choose from three areas of concentration. The political concentration includes an overview of the institution of human bondage, black political thought and activism in nineteenth-and twentieth-century America, and the political economies of contemporary Afro-Caribbean societies. A sociological concentration is based on the voluntary associations. The cultural concentration highlights the black experience in literature and popular culture.

The Department of Afro-American Studies has a two-fold mission a) providing quality undergraduate instruction from the general perspective of the social sciences b) and contributing to the understanding and resolution of the inherent experience, conditions and culture of communities of color in North America and the Caribbean.

#### **The goals of the Department are to:**

- present to undergraduates a curriculum which will facilitate their understanding of the various political, social and cultural forces shaping the Black Experience;
- provide students with opportunities to study some of the major problems confronting blacks in the Western hemisphere;
- explore the context in which the presence of Blacks enriched the general social and economic orders of the U.S. and the Caribbean;
- assist in the preparation of students for graduate and professional careers and for leadership roles in the American and global communities.

### **ART**

<http://www.art.howard.edu/>

As the visual arts component of the most comprehensive predominantly black university in the world, the Department of Art recognizes its unique responsibility to reflect, affirm and perpetuate the visual expression of the black experience. The department seeks to continuously create and maintain an atmosphere conducive to developing skilled and professionally mature artists, designers and art historians. Emphasis is placed upon instruction from a multicultural perspective and recognition of the dynamic reciprocity of art and life in the preparation of students for careers in the visual arts. The Howard University Art Department is an accredited institutional member of the National Association of Schools of Art and Design.

#### **Undergraduate Admission Requirements**

In addition to the University's admission requirements, applicants to the B.F.A. degree programs must submit a portfolio of artwork to the Department of Art. Program areas that traditionally required slides will now require digital images instead of slides. A portfolio of 12-15 digital images of original creative works (with no more than 2-3 views of any one work), must be prepared and presented on a CD Rom or flash drive (URL's are also acceptable if the work is presented online in quality form). Each image must be clearly labeled with the title of

the work, materials or media of creation, size, and date of creation. These original creative works must be prepared according to the guidelines:

1. **Static Two-Dimensional imagery:** JPEG Format in a Powerpoint Presentations Slideshow (.ppt or .pps);
2. **Three-Dimension Pieces (i.e. sculpture, ceramics, fashion, 3D modeling):** JPEG Format including 2-3 views of the work;
3. **Motion graphics and video:** Use MP4 Format along with pixel dimensions;
4. **Size of digital images:** no less than 800 x 600 ppi
5. **Please include with each slide of your presentation:**
  - o Title of the work
  - o Materials or media used to create the work
  - o Size of actual piece of work represented by the digital images. Size of work should be relative to the media with which it was created (for traditional media, use inches; for static digital media, use pixel dimensions; and for motion graphics and video use pixel dimensions and time in minutes and seconds)
  - o Date of creation
6. Physical portfolios are still being accepted.

#### **Mail portfolios to:**

Department of Art  
Division of Fine Arts  
College of Arts and Sciences  
Howard University  
2455 Sixth Street, NW  
Washington, DC 20059

#### **Special Degree Requirements**

Students seeking degrees offered by the Art Department must complete core courses in the Foundation Program upon which concentration courses are built. A student must complete 18 to 21 credits in the Department of Art, with the approval of a faculty advisor, in order to obtain a minor. In selecting electives, students may choose within the following guidelines:

- **University electives in humanities** – any courses in the humanities area (literature, drama, music, classics, English) for which the student can qualify;
- **Art electives**– any courses in the practice or history of art; fashion merchandising or interior design;
- **Studio electives**– any courses in the practice of art or design for which the student qualifies.

#### **Art History**

In addition to providing students with a broad understanding of world art, the Art History program focuses upon African American art and the art of the African Diaspora. In beginning and advanced courses and seminars, students are encouraged to engage in scholarly investigation and analysis of visual styles, cultural movements, and social evidence in the history of art, especially original scholarship in African American and African Art History. The program's strong research focus provides a virtual road map for students who wish to pursue careers as art historians in academia or in museums as curators and educators.

#### **Ceramics**

The Ceramics Program provides students with a technical foundation in basic hand and wheel formation, glaze calculation, clay formulation, and a range of finishing and firing techniques. Advanced students are encouraged to explore the full range of possibilities in clay. The ceramics unit is designed to train students to become the traditional production potter; the ceramic sculptor and the visionary artists who want to combine and experiment with state of the arts ceramic materials and technology to create their visual voice.

#### **Design**

The goal of the Howard University Design Program is to develop an immense range of knowledge, skills and competencies in the area of visual communication through cross-curricular experiences. This is achieved through the study of theory and the practical application of learned techniques. This program reacquaints the student artist with foundation principles that are central to design. Through an intensive curriculum in visual and technologically-mediated communication students will learn how to identify, research, analyze,

and solve problems at various levels, providing multiple solutions, mechanicals and prototypes. Students will also develop the ability to produce the following visual forms as solutions to studio and related real life problems:

- two-dimensional
- three-dimensional
- printed
- digital
- motion
- interactive

Ideally, this program will cultivate competency in problem solving abilities, proficiency in conceptual skills and mastery of craftsmanship within each graduate.

### **Electronic Studio**

The Electronic Studio program is designed for students preparing for careers as web designers, two- and three-dimensional animators, special effect artists for TV and Film, product design, and motion graphics. The curriculum combines the fundamentals of visual arts: drawing, painting, illustration, and two-dimensional and three-dimensional design. Photography and video, with intensive applied computer technology and software techniques as applied to visual communications and design. Course work is designed to incorporate prerequisite visual arts courses to prepare students to be competitive in the visual arts and computer-aided art and design fields.

### **Painting**

The Painting program is designed to introduce students to traditional and contemporary painting techniques with an emphasis on the control of paint and the painted form. In the intermediate and advanced level courses, students are encouraged to experiment with various media and thematic approaches.

### **Photography**

The Photography program provides students with skills, techniques, and principals of conventional darkroom practices, which form the framework for digital imaging in advance courses. Color photography, taught in combination with Photoshop, adds another dimension to creative control and expression along with multi-media applications. Advance courses in Studio Lighting, Alternative Processes, and Independent Study, are designed to allow the student to produce portfolios from collective experiences and photographic knowledge.

The photography program embraces modern technologies while enforcing the principles of light, color and image capture for print and the Web. We ground the student in the fundamentals of basic darkroom techniques with black and white film and chemistry in producing a finished print. Other courses challenge your approach to thematic concepts where you express ideas illustrated through the images you produce. Through digital applications you'll learn about basic color theory, characteristics and behaviors and how color impacts the image. The program rounds out with studio lighting, alternative processes and multimedia production giving the student necessary skill sets and collaborative working environments reflecting the current trends of the global market.

### **Printmaking and Sculpture**

The Sculpture program provides students with a variety of sculpting experiences. The program offers courses in figure and character modeling, welded and forged steel fabrication, multi-media assemblage, wood and stone carving, woodworking, cement, and mold making and casting. B.F.A. candidates may specialize in one or a combination of areas depending on their personal direction and career path. Graduate and undergraduate students work side-by-side in a 5600 sq. ft. studio facility which houses three shop areas, graduate studios, an outside gated work area, and a 3D modeling computer lab.

## **BIOLOGY**

<http://www.biology.howard.edu/>

The Biology Department has established a strong instructional and research unit in contemporary biological sciences and will maintain a faculty that is committed to optimizing the pursuit of new knowledge and the discovery of new information through original research and to the communication of specialized information and skills. The department is committed to providing a broad program of research and instruction within the biological sciences focused on:

- providing undergraduate and graduate students with course instruction and research opportunities
- conducting original research in a variety of areas in the biological sciences and
- commitment to promoting scientific literacy in the university community.

At the undergraduate level, the department offers programs leading to the Bachelor of Science degree. The department offers both lecture and laboratory courses as well as research opportunities organized around three areas of concentration: Cellular and Molecular Biology, Anatomy and Physiology, and Ecology and Evolutionary Biology. The department particularly encourages students to participate in research opportunities offered by departmental faculty and by other academic, governmental and nongovernmental organization. Graduates are qualified to seek advanced graduate degrees, pursue teaching or work at the technical level in governmental or industrial research.

Biology majors are provided the opportunity to concentrate in one of three sub-specialties: molecular and cellular biology, anatomy and physiology, or evolutionary and ecological biology. To prepare for an emphasis in one of these concentrations, all students are required to complete a core of basic biology courses. These two core courses are General Biology (101 and 102, two semesters) and Genetics (200). General Biology (101 and 102) is a prerequisite for Genetics. After completing the core courses, students are also required to take two core elective courses (one from any two of the concentration areas: molecular and cellular, anatomical and physiological, or evolutionary and ecological biology) and a minimum of 14 credit hours of advanced elective courses. Senior Seminar (493 or 494) is required of all majors, and is taken in the senior year. A student must earn a minimum of thirty-five (35) credit hours in Biology to fulfill the requirements for the major.

Courses in chemistry, mathematics and physics must also be taken as supporting courses for the departmental major. The supporting courses include: mathematics through precalculus, one year of physics, one year of general chemistry including the laboratory component, organic chemistry I, organic chemistry II, and organic chemistry laboratory.

Upon completion of the curriculum requirements, the biology major will be equipped with the necessary tools to gain access to the wide range of available career training opportunities in graduate and professional schools. Students who go on to graduate school may elect careers in academe, research institutions, industries, and government sectors, while those who go on to professional schools may choose careers in medicine, dentistry, veterinary medicine, public health and environmental science. A biology degree enables students to move into entry-level positions in industrial, governmental, and medical laboratories. As biology majors, students will take courses in molecular and cellular biology, genetics, choose two core electives (from the areas of molecular and cellular biology, anatomy and physiology, or ecology and evolutionary biology), and enroll in a senior seminar. Three advanced elective courses in a field of concentration complete the requirements for the major.

## **CHEMISTRY**

<http://www.coas.howard.edu/chem/>

Besides preparation for advanced degrees through graduate school in chemistry, The chemistry undergraduate major gives a solid preparation for further study in medicine and dentistry. It is also a desirable major for students who later choose to pursue law or business administration. The broad requirements in physics and mathematics provide a strong background for a career in the teaching of science. In general, chemists are employed in chemical manufacturing, pharmaceutical manufacturing, the petrochemical industries, teaching, environmental and waste management, and in government.

Chemistry has a significant number of courses that serve as pre-requisites, particularly for the upper-division coursework. Because of the interrelated nature of the major, completion in four years involves less flexibility in scheduling of classes. To assist students in meeting all requirements in a timely manner, the Department of Chemistry has developed course sequences tied to the results of math placement exams.

## **ECONOMICS**

<http://www.coas.howard.edu/economics/>

The economics programs at Howard University have proud histories of contributing mightily to the progress and well-being of the African diasporic and African American constituencies. Economics programs constitute the leading edge of the social sciences, including an unmatched level of rigor, explanatory value, and policy implication. Economics has always been at the heart of the University's engagement with intellectual life in virtually all other fields, from the other social sciences to which it brings its unique rigorous insights to communications, health sciences, psychology, engineering, business, social work, law, history, the fine arts, and the humanities, where its analytical tools (such as econometrics, cost-benefit analysis and optimal control theory) help deepen our understanding of the human condition across disciplines.

Economics as a field is situated at the most basic human activity of "making a living" and, from there, grows to encompass all complex human interactions in production, distribution, exchange, and creativity of all manner of human endeavor.

Nowhere is the importance of economics more impressive than in assisting in racial progress and uplift through rigorous analytical thinking. Economics has been and will remain a vital component of the education of Howard University students.

### **UNDERGRADUATE PROGRAM**

The mission of the undergraduate economics program is to prepare students for positions of leadership in domestic and international institutions by providing them with high quality instruction in the field of economics. Our aim for the BA program is to produce graduates who can compete successfully for entry-level positions in the job market and for entry into graduate and professional programs, where they will use their acquired economic critical thinking skills to advance society towards greater equity and efficiency. The program includes a special emphasis on the specific challenges facing the African American community and the African Diaspora characterizes the BA curriculum with its focus on urban development, the inequalities pervading the labor market, and the development challenges of Caribbean and African societies. Based on this emphasis, the Economics faculty reached out to the other social science departments in initiating an interdisciplinary minor in Community Development. The economics BA program continues to lead in this area by providing internship opportunities in community/faith-based organization, local and national government agencies, policy organizations in the D.C. area, and in its own Center for Urban Progress and the Center on Race and Wealth.

The undergraduate program in economics at Howard University is structured to provide students with a thorough foundation in economic theory and the use of mathematics, statistics, and computer technology to analyze contemporary policy issues. The undergraduate major requires thirty seven credits, with a core of 22 credits in theory, statistics, and mathematics. These courses support a superstructure of 15 elective credits in such areas as money and banking, international economics, public finance, labor economics, and the economics of black community development. The aim of the program is to produce graduates who wish to pursue graduate and professional study or to enter the job market.



## ENGLISH

<http://www.coas.howard.edu/english>

English majors gain strong critical reading, analytical thinking, focused research, and precise writing skills. The English department's new curriculum is designed to be comprehensive, integrated, intensive, and interesting to all English majors. The required core courses will enable students to fulfill requirements for state teaching accreditation, graduate work in the humanities, and admission to a wide variety of professional schools. Students choose from an array of specialized writing courses, including intermediate and advanced exposition and argumentation, technical writing, legal writing, business and professional writing, and creative writing.

### SEQUENCE OF REQUIRED COURSES

English majors and minors must take required courses in the order established by the Department. Sophomore Seminar 1 (Engl 104) must be completed before students can take additional courses within the curriculum. Students, however, may enroll in one of the foundation courses—Engl 113, 112, or 111—while taking Sophomore Seminar I (Engl 104). Sophomore Seminar II (Engl 105) must be taken in the second semester. Students may enroll in one of the foundation courses—Engl 113, 112, or 111—while taking Sophomore Seminar II. Engl 110 (Linguistic Foundations) is recommended for students who have completed the first year of the English major program.

The Sophomore Seminars and other core courses provide English majors and minors a sound foundation for the specialized courses that will be taken in the junior and senior years. Advanced level courses such as the major author series, the cross-cultural genre or period courses, and the special-focused topic courses build upon the knowledge and skills acquired in the foundation courses. It is imperative, therefore, that students follow the sequence outlined below:

### FRESHMAN YEAR

#### First semester

Engl 002 Freshman English

Second semester Engl 003 Freshman English

### FIRST-YEAR MAJOR FOUNDATION (CORE) COURSES

(Sophomore Year)

#### First semester

Engl 104 Sophomore Seminar 1

Engl 113 British Literary Foundations

#### Second semester

Engl 105 Sophomore Seminar II

Engl 112 American Literary Foundations

*\*Students cannot enroll in additional English courses until they have earned a C or better in Engl 104 (Sophomore Seminar I).*

*\*Students must satisfy first semester courses with C or better before taking second semester courses.*

### SECOND-YEAR MAJOR FOUNDATION (CORE) COURSES

(Junior Year)

#### First semester

Engl 110 Linguistic Foundations

Engl 111 African/Amer. Literary Foundations

#### Second Semester

Engl --- Cross-Cult. Genre or Period Course

Engl --- English Elective

*\*Students should satisfy first semester courses with C or better before taking second semester courses.*

### THIRD-YEAR MAJOR

## **(Senior Year)**

### **First semester**

Engl 201, 202, 203, 204 Major Author  
205, 206, 207, 208, 209, 226  
Engl -- English Elective

### **Second semester**

Engl -- English Elective  
Engl -- English Elective

*\*Students are not considered seniors until they have completed satisfactorily the first and second-year major foundation (core) courses.*

**IMPORTANT REMINDER:** *To graduate, you must pass the Senior Comprehensive Examination.*

## **REQUIREMENTS FOR ENGLISH MAJORS**

### **Credits required: 36 hours**

#### **1. Core courses required:**

Sophomore Seminar I Engl 104 3 hrs.  
Sophomore Seminar II Engl 105 3 hrs.  
British Literary Foundations Engl 113 3 hrs.  
American Literary Foundations Engl 112 3 hrs.  
African-American Literary Foundations Engl 111 3 hrs.  
Linguistic Foundations Engl 110 3 hrs.

#### **2. Genre or Period course requirement:**

One (1) cross-cultural genre course  
Engl 140 3 hrs.  
Engl 141 3 hrs.  
Engl 142 3 hrs.

Or

One (1) Period course

Engl 210 3 hrs.  
Engl 211 3 hrs.  
Engl 212 3 hrs.  
Engl 225 3 hrs.  
Engl 230 3 hrs.  
Engl 231 3 hrs.  
Engl 232 3 hrs.  
Engl 241 3 hrs.  
Engl 242 3 hrs.  
Engl 243 3 hrs.  
Engl 244 3 hrs.  
Engl 245 3 hrs.

#### **Major Author Course Requirement**

[Choose one from the Single Author Series]

Engl 201 3 hrs. Engl 206 3 hrs.  
Engl 202 3 hrs. Engl 207 3 hrs.  
Engl 203 3 hrs. Engl 208 3 hrs.  
Engl 204 3 hrs. Engl 209 3 hrs.  
Engl 205 3 hrs. Engl 226 3 hrs.

### 3. Electives Requirement

[Choose 4 (four) courses above the 100-level.]

**TOTAL: 36 Hrs.**

### REQUIREMENTS FOR ENGLISH MINORS

**Credits Required: 18 hours**

#### 1. Core courses required

Sophomore Seminar I Engl 104 3 hrs.

Sophomore Seminar II Engl 105 3 hrs.

#### 2. Electives requirement

[Choose 4 courses above the 100 level.]

**TOTAL: 18 Hrs.**

### CONCENTRATION IN CREATIVE WRITING

English majors may concentrate in Creative Writing, focusing on Creative Writing Fiction, Poetry, or Non-fiction. Similar to the traditional English major course requirements, course requirements for the Creative Writing Concentration include Sophomore Seminar I and II; British, American, and African American Literary Foundations courses; a Genre, Major Author, Major Period, or Linguistic Foundations course; the introductory course to Fiction, Poetry, or Non-fiction; the workshop course to Fiction, Poetry, or Non-fiction; the thesis course in Fiction, Poetry, or Non-fiction; and relevant electives. See your advisor for more information.

In order to be considered for this class, you must submit 1-2 pages of original writing that you have produced unaided. Submissions should be handed in to Professor Forbes, Locke 214, on any Tuesday or Thursday during this semester (Fall 2013).

### HEALTH, HUMAN PERFORMANCE & LEISURE STUDIES

<http://www.coas.howard.edu/hhpl/>

Grounded in all the proud traditions that multi-faceted physical education curricula have historically embraced, the Department in 2002 changed its name to the Department of Health, Human Performance and Leisure Studies to more accurately reflect the sophistication and breadth of its teaching and research. Emerging health issues, the connection of a healthy mind and a healthy body, the important roles of teaching and coaching in education, the philosophy of a lifetime of healthy activities, the increasing complexity of the business of sports, and the Aristotelian concept about the necessity of a relationship between thinking and movement are all the focus of learning and research in the Department. As a result, a whole range and level of opportunities not thought of before are opened up as possibilities for students. It is in this context that the Department offers four programs of rigorous and challenging study. The Department also offers minors in sports administration, and community and school health education.

**HEALTH:** Within the area of Health, students may major in Health Education with a concentration in or Community Health and Maternal and Child Health.

**SPORTS MEDICINE:** The inter-disciplinary design of the Sports Medicine concentration offered by the Howard University Department of Health, Human Performance and Leisure Studies will expose students to an academic program specifically designed to gain admission into medical school. The Sports Medicine concentration enables students to develop a working knowledge of the effects of exercise on the structure and function of varying physiological systems. Sports medicine is based on the premise that regular physical activity is important in regulating the physiological, and biochemical factors in disease prevention and treatment.

**SPORTS MANAGEMENT:** The BS Degree program in Sport Management allows students to pursue a broad core program and four areas of specialization for a Minor: Economics, Pre-Law, Business Administration and Marketing. Students concentrating in the area of Sport Management will develop skills related to planning, organizing, directing, controlling, budgeting, leading, and evaluating within the context of an organization or department whose primary product or service is related to sport and/or physical activity. The Sports Management undergraduate program will prepare graduates for various entry-level positions, such as event management, school and college sports programs, amateur sport organizations, private club sport, commercialized sport establishments, arenas, coliseums, civic centers, stadia community recreation sport programs, industrial sport programs, sport programs in social agencies (YWCA, YMCA, JCC), military sport programs, sport marketing and consulting firms, corporate sports (e.g. Women's Sport Foundation, National Golf Foundation), the sporting goods industry, the sport news media, and academic programs in sport management.

Curriculum guides for the Health, Human Performance and Leisure Studies degree programs are provided by the department.

## **HISTORY**

<http://www.coas.howard.edu/history/>

Studying history contributes to the development of a liberally-educated individual, brings one into intimate communion with the collective memory of the peoples of the world, and allows one to approach and understand current developments from the perspective of experience.

The undergraduate program in history is designed to provide the student with an understanding of the processes of historical research and reconstruction, an appreciation of the discipline of history as a way of thinking and learning, and substantive knowledge in those areas of history in which the student may concentrate. The undergraduate curriculum is comprehensive in scope, thus permitting the student to choose from a wide variety of courses in completing the requirements for the major and minor. In addition to standard courses on various geographical areas and topical subjects, the department offers courses in the African Diaspora, public history, and the history of women. Students may receive practical experience as historians by serving as interns in history in the Smithsonian Institution, the National Archives, the State Department, and other public agencies as well as in private institutions and projects in the Washington area. Such experience may lead eventually to jobs or careers in public history.

The history program has been redesigned to increase the ability of our majors to assimilate and analyze evidence, to conduct research, and to formulate and critique arguments. This has been accomplished through establishing requirements for students to take colloquia and seminars. Colloquia courses introduce students to a major topic in history such as Jacksonian America. In small classes taught by the faculty, students discuss what historians have written about the topic, analyzing the studies for their strengths and weakness in methodology, use of evidence, reasoning, and interpretation. Building on the knowledge they gain in the colloquia, students advance to seminar courses in which they apply their knowledge of the literature by conduct original research. They may, for example, research and write about the banking crisis or race relations in Jacksonian America through the use of evidence from the 1830s. In the course of completing the major, students will conduct research and write essays in two areas of specialization selected from the fields of Africa, the African Diaspora, Latin America and the Caribbean, the United States, and Public History. By placing original research at the heart of the major, the department has embraced the College of Arts and Sciences goal of making primary research a significant aspect of every undergraduate's experience.

To aid the student in selecting appropriate courses each semester for fulfilling departmental requirements, all faculty members have been designated as undergraduate academic advisors. These advisors are available during their posted office hours for consultation. In addition, each student majoring in History will be assigned to one faculty member who will advise the student throughout that student's undergraduate career. Faculty advisors are available to answer general questions, but questions relating to course waivers, transfer course equivalents, and substitutions of required courses should be submitted in writing to the Undergraduate Director.

### **Senior Comprehensive Examination**

Effective as of the academic year 1983-84, and mandatory for graduation, all history majors are required to pass the Senior Comprehensive Examination administered by the Department of History. The examination is given in November and April of each academic year. It is a three-hour essay examination consisting of two parts. Part I examines the student's understanding of historiography; and Part II examines broad topics reflecting the core curriculum. Students will be duly notified of the time and place of the examination. The required course, The Senior Colloquium, will help to guide and aid students in their preparation for the Senior Comprehensive Examination. Further information relative to the examination may be obtained from the Director of the Undergraduate Program, the Department of History.

### **Requirements for Major and Minor Programs**

**Major in History -- 31 Semester hours**

The major in History has the following fields of specialization: Africa, Latin America and the Caribbean, the United States, the African Diaspora, and Public History. Students are required to complete 31 semester hours of history successfully, focusing on two fields of specialization. The major is designed to prepare students to conduct research, to assimilate and analyze data, and to think critically and creatively about the past.

The following courses constitute the core of the field and are required by all majors: Introduction to History, which introduces students to historiography, research methods, and interpretive trends, and the Senior Colloquium, which prepares students for the comprehensive examination in history. Introduction to History is recommended to students considering history as a major and must be taken upon declaration of the major.

Majors will successfully complete a lecture course, a colloquium, and a seminar in each of their two selected fields of specialization. Taken after the freshman year, colloquia are small discussion classes in which students read secondary works to learn the nature of historiography and explore the methodologies employed in the field to address historical questions. Taken after the sophomore year, seminars require students to conduct primary research and analysis and to write original historical essays. The requirement for work in two distinct fields exists to ensure that students understand historical developments beyond a single nation-state or geographical region.

Majors will complete nine hours of electives selected from courses offered by the Department. Three hours must be completed outside of the fields of specialization. Electives should also be selected to expand the chronological breadth of the major's program of study. Geography courses above 100 may be taken as history electives. Students specializing in the African Diaspora are strongly encouraged to take Geography of the Black Diaspora.

**Minor in History -- 15 Semester hours**

Students who minor in History are required to complete successfully fifteen (15) hours of history courses, including Introduction to History. Each student must choose a specialty from the major fields and complete a lecture course, a colloquium, and a seminar in that area. Students must take an additional three hours in history.

**Minor in Geography -- 15 Semester Hours**

The minor in Geography consists of fifteen (15) credit hours. Since students will be expected to become familiar with the basic language, fundamentals and terminology, World Geography (101) has to be taken as the first course. Then the students can be exposed to regional, topical and systematic geography. To complete the minor requirements in Geography, students will be required to take three other courses with at least one from each group; regional (199 - Geography of the Black Diaspora; 165 - Geography of North America), topical (102 - Economic Geography; 106 - Environmental Conservation), systematic (170 - Climate, People and Environment; 172 - Hydrology).

**MATHEMATICS**

<http://www.coas.howard.edu/mathematics/>

The Department of Mathematics embraces the general mission and goals of both the University and the College of Arts and Sciences. Accordingly, its operations derive from these roots, especially in providing the student with the tools for lifelong learning. The language, structure, beauty and utility of Mathematics are as important in the General Education curriculum as they are for the curricula aimed at the minor and major in Mathematics. Our goals are to equip the graduate with the tools necessary to fully participate in a technological society a competitive global environment.

The specific mission for the minor in Mathematics is to prepare him/her to understand the foundations for the immediately applicable Mathematics---Calculus, Linear Algebra and certain Applied Mathematics disciplines.

The specific mission for the major in Mathematics is to produce in him/her a well trained mathematician capable of both research and teaching in general. In particular a Howard University trained mathematician must be comfortable when employed as an actuarial scientist, a computer scientist and/or a mathematician/researcher in schools, government or industry.

A Mathematics major may choose an area of concentration from among Actuarial Science, Computer Science and Pure/Applied Mathematics. Each of these has a full-fledged program aimed at producing competent professionals in the area. The division into areas of concentration was to facilitate the production of careerists, in certain fields, among the hitherto under-represented groups, especially the African-American.

In addition to the Senior Comprehensive Examination mandated by the College of Arts and Sciences, the effectiveness of our programs is assessed by the performance of our students on nationwide examinations such as the first few examinations of the Society of Actuaries and the subject test of the Graduate Record Examination.

The department offers courses leading to degrees of Bachelor of Science, Master of Science, and Doctor of Philosophy. A concentration in actuarial science prepares students for the foundations of actuarial practice, which involves calculating statistically risks, premiums, etc. for insurance. A concentration in computer science prepares students for the algorithmic basis of computer science and the foundation for software development. A concentration in pure and applied mathematics is the more traditional course of study and ordinarily attracts students who expect to pursue higher degrees in mathematics.

## **MUSIC**

<http://www.coas.howard.edu/music/>

The music program at Howard University has a rich history which may be traced to 1870, when a few courses were offered. In 1892, the program was organized as a stable department of the Normal School, and in 1914 it was established as an independent conservatory.

The School of Music (now Department of Music), under the dynamic leadership of Dean Warner Lawson, was admitted to membership in the National Association of Schools of Music in 1942, the first music program in the Washington area to gain such membership. In January 1974, the program was reorganized as a department of the College of Fine Arts. Since the merger of the College of Fine Arts and the College of Arts and Sciences in August 1998, the Department of Music has functioned as one of three areas within the Division of Fine Arts of the College of Arts and Sciences.

## **MISSION**

The Howard University Department of Music is a professional fine arts unit within an historically Black private university. Its purpose is to attract diverse students of high artistic and academic potential, and provide for them a scholarly environment and musical experience of exceptional quality in performance, research, pedagogy, technology, therapy, and composition. The Department is dedicated to attracting and retaining faculty of the highest order who work together to inspire students, through example and leadership, to reach their full intellectual and artistic potential. The Department of Music places particular emphasis on the provision of educational and cultural opportunities for individuals of the global community, with significant focus given to the musical contributions of peoples of the African Diaspora.

## **ADMISSIONS**

All applicants to the Department of Music must apply to the University and satisfy Howard University academic requirements *before* being admitted to the Department. [Prospective students](#) are encouraged to read and comply with the admission process as set forth by the [University Office of Admission](#).

## **ADMISSION AUDITIONS**

All new applicants to the Department of Music must present a successful audition in order to be admitted to the Department. Former students who have not been enrolled in the Department for two or more consecutive semesters must re-audition. Generally, auditions are held on campus according to a published schedule, but special appointments may be arranged when necessary. When an in-person audition is not feasible, an applicant may request permission to submit a recorded audition.

In all cases, it is important that an applicant contact the appropriate Performance Area Coordinator to schedule an audition prior to published deadlines.

### **Performance Area Coordinators:**

Classical - Instrumental:	<a href="mailto:frirby@howard.edu">Fred Irby, III</a> <a href="mailto:frirby@howard.edu">firby@howard.edu</a>
Classical - Piano:	<a href="mailto:ctimbrell@howard.edu">Charles Timbrell</a> <a href="mailto:ctimbrell@howard.edu">ctimbrell@howard.edu</a>
Classical - Voice:	<a href="mailto:gregoryhopkins@aol.com">Gregory Hopkins</a> <a href="mailto:gregoryhopkins@aol.com">gregoryhopkins@aol.com</a>
Jazz - Instrumental:	<a href="mailto:cyoung@howard.edu">Charlie Young, III</a> <a href="mailto:cyoung@howard.edu">cyoung@howard.edu</a>
Jazz - Voice:	<a href="mailto:connaitre@howard.edu">Connaitre Miller</a> <a href="mailto:connaitre@howard.edu">connaitre@howard.edu</a>

### **Audition Requirements**

Applicants should download and complete an [audition form](http://www.coas.howard.edu/music/admissions/admissions.html) which is available on the Music Department's website at <http://www.coas.howard.edu/music/admissions/admissions.html> and bring the form with you to your audition.

All auditions should include technical exercises, scales and arpeggii, and at least three compositions of different periods and in different styles. Additionally, please note the specific audition requirements in the following areas:

#### **JAZZ STUDIES**

Applicants wishing to be admitted to freshman classification as majors in Jazz Studies must demonstrate the following:

- **Instrumental:** A thorough knowledge of the basic technique of the chosen instrument; basic improvisation skills as they relate to standard jazz literature.
- **Voice:** Three (3) selections in contrasting jazz styles and tempos. (e.g. med. swing, fast swing, blues, ballad, bossa nova, samba, jazz waltz etc...) The addition of improvisation (scat singing) encouraged for at least one tune. Bring sheet music or lead sheets in the key in which you sing. You may bring your own accompanist or one will be provided. A short interview will follow the audition.

#### **PERFORMANCE MAJORS**

Applicants wishing to be admitted to freshman classification as majors in Performance must demonstrate the following:

- **Piano:** The ability to play any scale or arpeggio in moderately rapid tempo, hands together; standard studies, such as Czerny, Op. 299, Bk. 1; easier classical sonatas; a short romantic work; and a work by Bach (equivalent to an Invention or Prelude and Fugue).
- **Violin:** The ability to perform studies of the difficulty of Kreutzer Etudes and works of the grade of the Viotti Concerto in G Major 3 and the Mozart Third Concerto in G Major.
- **Voice:** A good natural voice and the ability to sing simple songs on pitch with correct phrasing and musical intelligence, and sing from memory two (2) selections of contrasting styles.
- **Orchestral Instruments, including Saxophone and Guitar:** A thorough knowledge of the basic technique of the chosen instrument; students must own their own instruments; previous study of piano is desirable.

#### **STRING STUDIES**

- Dates for live auditions will be announced in the Fall. A well-recorded DVD audition containing the requirements listed below is acceptable and recommended for those residing a considerable distance from the DC area. Please do not submit audio-only CDs.
- All auditions must be played on the candidate's own instrument, which must be of an appropriate quality for advanced study.
- Orchestra audition requirements are the same as those for instrumental minor.

#### **Violin Major (performance)**

- Scales in all major and minor keys, 3 octaves, slow and fast tempi.
- A complete etude of Kreutzer, Rode, or comparable difficulty.
- Two contrasting movements from an unaccompanied Bach sonata or partita.
- First movement of a major concerto written after 1750.

**Violin Minor (education, business, therapy)**

- A three octave scale in both slow and fast tempi.
- A complete etude.
- Two short solo works or movements (complete) of contrasting style and tempo.

**Viola Major (performance)**

- Scales in all major and minor keys, 3 octaves, slow and fast tempi.
- A complete etude of Kreutzer or comparable difficulty.
- Two contrasting movements of an unaccompanied Bach suite.
- First movement of a major concerto or other major solo.

**Viola Minor (education, business or therapy)**

- A three octave scale in both slow and fast tempi.
- A complete etude of at least ASTA grade 3 (Hoffmeister, Kayser, Mazas, Wohlfhart)
- Two contrasting solo selections of at least ASTA Grade 3 (Bach Cello Suites, Telemann Concerto, Suzuki Book 4).

**Violoncello Major (performance)**

- Scales in all major and minor keys, 3 octaves, slow and fast tempi.
- A complete etude of Popper or Duport, or a Caprice by Piatti.
- Two contrasting movements from an unaccompanied Bach suite.
- First movement of a major concerto (Haydn C or D Major, Saint-Saens, Boccherini, Elgar, Dvorak or similar difficulty).

**Violoncello Minor (education, business, therapy)**

- A two octave scale in both slow and fast tempi.
- A complete etude (Dotzauer, Merk, Lee or similar difficulty).
- Two short works or movements of contrasting style and tempo.

**Double Bass Major (performance)**

- Scales in all major and minor keys, 2 octaves, slow and fast tempi.
- A complete etude of Simandl, Nanny or comparable difficulty
- Two contrasting movements from a Sonata or Bach Suite
- First movement of a concerto.

**Double Bass Minor (education, business, therapy)**

- A two octave scale in both slow and fast tempi.
- A complete etude.
- Two short works or movements of contrasting style and tempo.

**FINANCIAL AID**

Students should carefully review and avail themselves of the information presented on the website of the Office of Financial Aid. While the Department of Music does award scholarships and grants to eligible, deserving students, competition is rigorous for limited funds. Students are therefore encouraged to explore all possible avenues of financial support for their college education.

**Department of Music Financial Aid**

(1) Financial aid is awarded only to individuals who have been admitted by both the University Office of Admission and the Department of Music.

(2) Scholarships and grant awards from Howard University funds are available only to students who complete the FREE APPLICATION FOR FEDERAL STUDENT AID (FAFSA).

- The FAFSA may be secured from the Howard University Office of Financial Aid, high school guidance counselors, and public libraries.
- The FAFSA must be submitted before February 1st each year.

(3) Any financial assistance recommended by the Department of Music may be reduced after analysis of the student's file by the Office of Financial Aid, depending on:

- Other available funding sources (family income, Federal grants, etc.); and University and Federal regulations.

(4) The Department of Music is unable to award full scholarships.

(5) Prospective students are eligible for Department of Music scholarships based on audition performance and recommendations from the faculty.

(6) Music Scholarships are awarded for one semester or one academic year at a time only. **Students must re-apply for scholarships each year.** The Department of Music does not guarantee a specific scholarship amount from year-to-year. Additionally, please note the following:



### **Satisfactory Academic Progress (SAP)**

Continuing music students must successfully complete 70% of courses attempted each semester to be eligible for a Department of Music award the following semester. If the student has been awarded for the school year but then does not satisfy the SAP requirement in the Fall semester, then the Spring portion of the original award may be rescinded. Separately, if the Spring semester does not satisfy the SAP then the student is ineligible for a departmental award the following semester. Such recaptured scholarship funds may be awarded to other eligible students. This policy allows academically successful students to receive additional assistance.

### **MUSIC MAJORS**

The Department of Music offers programs of study leading to the Bachelor of Music degree with concentrations in Composition, Jazz Studies, Music with Elective Studies in Business, Music History, Music Education, and Music Therapy.

#### **Composition**

The Composition program develops skills required of a music composer, including courses in orchestration and theoretical studies. Composition majors are accepted by audition as piano, voice or instrumental minors. Upon completion of the second-year requirements with a 3.0 GPA in all theory courses through MUSB-042, students will be admitted to the upper division in the composition programs.

#### **Jazz Studies**

The Jazz Studies program develops skills in jazz performance, composition, arranging, and history; and offers an optional emphasis in Music Technology. The objective of the Jazz Studies program is to preserve and perpetuate jazz through instruction, performance, and research. Included in the curriculum are improvisation, arranging, composing, history, digital music, and studies relating to the music business. Undergraduate Jazz Studies majors may use one of the following schemes to add a concentration in Music Technology, which includes studies in MIDI sequencing, notation software, audio recording, and live sound reinforcement. Students may be admitted to the technology program only after being accepted into the Jazz Studies Program through audition.

#### **Music with Elective Studies in Business**

The Music with Electives in Business program is a Music Major program in either Performance or Jazz Studies, while taking additional courses in Business Administration. Currently, the business courses include subjects such as economics, accounting, principles of marketing, and statistics. The program requires an administrative internship in the arts community during the senior year. Auditions are for acceptance into the Performance or Jazz Studies major areas.

#### **Music Education**

The Bachelor of Music in Music Education program provides the training to become a certified teacher of either vocal or instrumental music, grades K through 12, in the District of Columbia. This teaching certificate is reciprocal to more than 30 other states in the United States.

The Instrumental Emphasis prepares students for work as Band Directors while the Vocal Emphasis program prepares students as Choral Directors.

Student Teaching is required in the final semester, and only after all major work has been completed. The following pre-requisites must be completed prior to student teaching:

- Students must pass Praxis I examination
- Students who are not piano minors must pass the Piano Proficiency examination prior to their 7th semester, and in order to achieve Senior classification.
- An average of "B" must be achieved in all Music Education and Education courses.

#### **Music History**

The Music History program develops overall music scholarship and hones research skills. Students will not be permitted to elect history as a major until they have completed MUSC-005 and MUSC-006 with grades of B or better. Students who major in the history of music must meet the requirements for a minor in piano and must appear creditably on student recitals in this subject. Candidates for graduation will be required to pass an oral examination before a music faculty committee. Students must maintain a B average in their major subject. At least two major projects must relate to an aspect of the black heritage in music.

## **Music Therapy**

The Music Therapy program provides the training to pass the Music Therapy Board Certification Examination. Music Therapy majors are accepted by audition as instrumental, piano or voice minors. After successful completion of all HU academic requirements (including the Piano Proficiency examination prior to their 7th semester), students must complete a Music Therapy Clinical Internship at an AMTA approved site. Approval from the program coordinator is required to begin the Internship, after which the student will be qualified to sit for the Music Therapy Board Certification Examination.

## **PHILOSOPHY**

<http://www.coas.howard.edu/philosophy>

A major in philosophy broadens the mind and widens your horizon. It enables students to deal with the fundamental questions of existence by giving them the tools of critical thinking. Philosophy graduates have pursued and are pursuing degrees at the graduate level and in professional schools in fields such as law, mathematics and medicine.

The department finds its mission in the larger context of the university's mission: to solve pressing problems that trouble the communities that make Howard possible. No other university has Howard's resources, responsibility, and resolve to address these problems. Because Howard addresses problems in ways that no other institution can, we need excellence at Howard not just for the sake of excellence, but to fulfill our responsibilities.

## **PHYSICS**

<http://www.coas.howard.edu/physics&astronomy/>

The Department of Physics and Astronomy offers programs of study leading to bachelor's, master's, and doctoral degrees in Physics. The current areas of specialization are: Atmospheric Physics, Condensed Matter Physics, High Energy Physics and Spectroscopy & Optical Physics. At the bachelor's level, a degree will prepare students for the pursuance of advanced graduate studies and gainful employment in the private and public sectors.

### **Major Requirements and General Information**

The total major requirement consists of 39 credits and should begin no later than the second year: 27 credits from section A (below and 12 credits from section B (below). While not required, the one credit course, PHYS 196, senior Thesis, is strongly recommended for all students.

In addition to the physics requirements, there are other suggested courses in the program. CHEM 003 and 004 are strongly suggested. Prerequisites for all of the upper-level physics courses are Math 156, 157, 158 and 159 ( Calculus I, II, & III and Differential Equations). If students are not ready to take calculus on entering the University, they should take MATH 007. Advanced Calculus I & II or two semesters of upper level mathematics courses are strongly recommended.

The college language requirement may be satisfied with French, German, or Russian. Substitution of any other language will require department approval.

Courses listed with two or more numbers must be taken in the sequence indicated. The student should consult the "Undergraduate Bulletin" for additional University and College of Arts and Sciences requirements.

#### **A. Required Courses**

3-semester introductory sequence and five upper-division courses.

- a. PHYS 013/023 General Physics for Science and Engineering Students I (Lecture/Lab) (3 credits/ 1 credit)
- b. PHYS 014/24 General Physics for Science and Engineering Students II (Lecture/Lab) (3 credits/ 1 credit)
- c. PHYS 015/025 Introduction to Modern Physics (Lecture/Lab) (3 credits/ 1 credit)
- d. PHYS 175 Thermodynamics (3 credits)
- e. PHYS 178 Electricity and Magnetism I (3 credits)
- f. PHYS 182 Physical Mechanics I (3 credits)
- g. PHYS 190 Quantum Physics I (3 credits)
- h. PHYS 194 Experimental Physics I\* (3 credits)

\*WRTG 702 is the same as PHYS 194, but satisfies the College's third writing requirement.

## **B. Elective courses**

Four more courses are required to complete the physics major. These courses must be coherent and satisfy one of the following areas of concentration: (1) Professional Physics, or (2) Applied Physics. Applied Physics has several tracks for the student to choose from..

## **Senior Comprehensive Exam**

The physics senior comprehensive exam is a departmental graduation requirement for undergraduate physics majors at Howard University. The exam covers topics from the introductory physics courses 013, 014, 105 and the upper division courses 175, 178, 182, 190, and 194. Students who earn an A grade in a senior thesis approved by the Department and in the senior comprehensive exam and who maintain the grade point average designated by the College of Arts and Sciences, are eligible for departmental honors.

## **POLITICAL SCIENCE**

<http://www.coas.howard.edu/politicalscience/>

The Political Science Department at Howard University blends the highest goals of nationally and internationally recognized scholarship in political science with the special mission of its founding faculty. From the beginning the faculty and students shared a commitment to educate and reform education in the discipline in order to deepen national understanding of political and social institutions and to restructure scholarly perspective on equity, justice and other social values that inspired higher education initiatives among African Americans. Founded in 1928 the Department was uniquely inspired by the distinguished scholar and Nobel laureate, Ralph Bunche, the first African American to earn a doctorate in Political Science. It has benefited from the foundation provided by other influential faculty leaders including Emmett Dorsey, Vincent Brown and Bernard Fall.

The Political Science Department serves in the College of Arts and Sciences to fulfill the goals of liberally educating students to understand and analyze politics and to function in political life. It seeks to promote scholarship and research across a broad range of topics and concerns that affect politics and society. The essential mission of the Department's undergraduate program is to provide students a comprehensive education through an interactive program of instruction that includes formal courses and seminars, research opportunities, academic and career counseling, internships, on-line instructional support and community service.

The undergraduate program is highlighted by various course combinations or concentrations through which the students may move freely. These informal concentrations include American Government, Black Politics, Comparative Politics, International Relations, Public Policy and Theory as well as the Honors sequence. The Pre-Law Program offers a more formally organized concentration that fully prepares students for law school. Whatever the post graduation orientation of students, Political Science at Howard can promote a refined and extended awareness of the political world that prepares the student for leadership and the analysis of leadership nationally and internationally.

A major in political science enables students to acquire a systematic understanding of the formal and informal political process at all levels, in preparation for a career or graduate study. The program prepares students for careers in government, teaching, and research, and for further study in professional and graduate fields such as law, social work, journalism, business and public administration, and public affairs.

## **PSYCHOLOGY**

<http://www.coas.howard.edu/psychology/>

The Department of Psychology is one of the largest and most dynamic units of a comprehensive research-oriented institution committed to provide an educational experience of exceptional quality to an internationally diverse student population. Currently, the department offers an undergraduate curriculum leading to a Bachelor of Science degree. Students with high academic potential can also gain admission into our graduate program to earn a Ph.D. degree.

Our faculty constantly creates opportunities for students not only to learn the most rigorous scientific methods but also to pursue an extensive analysis of every facet of the African American historical experience. That is the strength and uniqueness of our program.

A major in psychology gives students the opportunity to study the field through examination of significant experiments, theories, and applications. Knowledge of psychology is an important component of a liberal education, in addition to its value in preparing you for graduate work in psychology and related fields. This major will prepare students for an entry-level position in many corporations and government agencies. Psychology at Howard University has been a valuable major for hundreds of successful students. Recent graduates are college professors, personnel directors at federal and state agencies, and psychologists at numerous clinic and institutions. Graduates in psychology have also gone to pursue the M.D., the D.D.S., and the J.D

## **SOCIOLOGY**

<http://www.coas.howard.edu/sociologyanthropology>

Sociology is the study of social life and the social causes and consequences of human behavior. It investigates the structure of groups, organizations and societies, their information development and interaction. Since all human behavior is social, the subject matter of sociology ranges from the intimate family to the hostile mob; from crime to religion; from divisions of race, gender and social class to a shared belief of a common culture.

The Sociology undergraduate program offers courses such as research methods, statistics, theory, computer-based social science research and social organization and demographic analysis. This goal of this program is to equip students for employment in a wide range of occupational fields in the public and private sector, such as social research, the health professions, business, social service, and data processing. Sociology is a popular undergraduate major for students planning to further studies in such professions as law, business, education, social work and public administration. Professional recruiters are interested in well-rounded students with good analytical and communication skills.

### ***Anthropology***

Anthropology is no longer a Degree-Granting Program. While courses in anthropology are offered, no students are being accepted into the Anthropology degree program..

Anthropology is unique among the social sciences in exploring humanity in all its aspects, past and present. It provides a broad understanding of the similarities and differences in the human experience through time and space. This vast subject matter is divided up into four subfields: cultural, linguistic, archaeological, and biological (also known as physical) anthropology. Each of these in turn covers a wide array of topics:

- Cultural anthropology explores contemporary and historical diversity among people
- Linguistic anthropology describes how languages are structured and used
- Archaeological anthropology studies the material remains of past human cultures.
- Biological anthropology examines human evolution and human biological diversity.

## **THEATRE ARTS**

<http://coas.howard.edu/theatrearts/>

The Department of Theatre Arts is committed to the training of knowledgeable theatre artists, theorists, historians, and teachers in the theatre arts. The Department is dedicated to the principle of developing the highest quality of theatre art, and to the serious investigation and perpetuation of the experiences and aesthetics of Black theatre.

### **Objectives**

1. To train and educate theatre artist-scholars by providing students with a broad-based foundation of theatre process and practice.
2. To provide students with diverse theatre experiences and to investigate and perpetuate the aesthetics of African-American theatre.

3. To provide students with a knowledge of and appreciation for related Fine and Performing Arts disciplines and how they are integrated into the practice of theatre.
4. To provide students with the basic techniques necessary for performance in theatre, film and television.

The curriculum for each area of concentration is administered by an Area Coordinator who is appointed by the Chairman of the Department. Students enrolled in a Theatre Arts program shall be advised by the appropriate Area Coordinator.

All Theatre Arts students must officially declare an area of concentration and successfully complete an audition and/or interview in that area. Official declaration can only be made by filing a completed Area of Concentration Declaration Form with the appropriate area coordinator and conducting a final interview with the Departmental Chairman. All Theatre Arts students must pass the English and Mathematics Placement examination. Otherwise, the student must successfully complete the required remedial courses.

### **Majors**

The Department of Theatre Arts offers several major areas of concentrated study which lead to the Bachelor of Fine Arts degree in Theatre Arts. Areas of concentration in Theatre Arts include the Performing Arts: [Acting](#), [Musical Theatre](#), and [Dance](#); [Theatre Arts Administration](#) and [Theatre Technology](#).

### **Minors**

Minors in [Theatre Arts](#), [Dance Arts](#), [Theatre Arts Administration](#), [Technical Theatre](#), and [Playwriting](#) are also available to non-Theatre Arts students.

### **Admissions**

All Applications require department review. **Prospective students are not automatically accepted by the Department of Theatre Arts once they declare Theatre Arts as their area of interest.** After review of pertinent data, the Department makes the final determination about admissions to its programs.

### **General Requirements**

All theatre arts students must satisfy the general requirements for admission to the University. Once accepted to the University, students interested in performance programs of study ([Acting](#), [Musical Theatre](#), [Dance](#)) will prepare for auditions and students interested in administration and technical areas ([Theatre Arts Administration](#), [Theatre Technology](#)) will prepare for interviews.

All transfer students must meet the requirements outlined on the College of Arts and Sciences' website: <http://www.coas.howard.edu/requirements.html#tc>. In addition, all transfer students must successfully complete an audition/ interview in the area of concentration in which they are intending to enter, before being accepted in the Department of Theatre Arts. This process must occur **before** arriving on campus. At that time level placement usually occurs and that will determine which courses will be accepted in the discipline. General education courses may also require that equivalences be verified by the appropriate Department on campus. All transfer students are advised that transferring into the Department of Theatre Arts does not excuse the taking of prescribed sequential courses necessary for successful completion of the area of concentration. Furthermore, transferring into the Department may require additional time and resources to complete the chosen area of concentration.

### **Guidelines for Exchange Students**

1. The student must have a 2.75 grade point average or better and be in good standing in the department.
2. Student must have a grade of "C" or better in all courses required for his/her area of concentration.
3. The student must submit a letter to the Chairman requesting an exchange program of study along with official descriptions of the courses from the catalogue that will be taken at the exchange school. This information will be forwarded to the appropriate coordinator, then presented to the Faculty who will make the final determination on the request.
4. The student must also file the appropriate forms in the Office of International Student Services. This includes submitting a transcript and an interview with appropriate authorities.

## **THEATRE ARTS DEGREE PROGRAMS**

### **Acting**

The objectives of the Acting concentration are designed to provide the student the opportunity to master the acting skills necessary for pursuit of a professional career in the areas of performing arts. The program

combines classroom instruction with rehearsal and performance techniques. The program is divided into three levels of training: Elementary, Intermediate and Advanced. Specific skills are emphasized at each level. A jury examination is required each semester of all acting students. A satisfactory jury examination is necessary for a passing grade in all Acting classes.

### **Musical Theatre**

The purpose of the Musical Theatre Performance concentration is to produce professional artist/scholars with the ability to excel on any theatrical stage, including but not limited to, Broadway, Off-Broadway, touring, regional, international, cabaret and concert (both major and minor), commercial and not-for-profit. The program asserts that beginning with intense self-discovery and exploration, matched with dedicated focus on foundational technique, followed by an unyielding diligence towards artistic and scholarly excellence, performers become creative, high-quality artists. The program works to facilitate not just the creation of performers who are highly skilled technicians of singing, dancing, and acting but passionate artists with a deep respect for the craft, who use musical theatre to communicate with audiences about our shared human condition.

### **Dance**

The Dance program is designed to educate, train, and develop talented students in the performance skills of dance. The program combines theoretical classroom instruction, studio techniques and rehearsal, and performance skills. The student is provided with the opportunity of technical development with guest artists, internships with major performance companies, and critical guidance in level placement and training. Entry requirements for dance students include auditions and interviews and exit requirements involve passing a jury examination. A major emphasis in this program is the successful completion of the practicum experience in the senior year.

### **Theatre Arts Administration**

The Theatre Arts Administration program is intended for students who express an interest in and an inclination toward the production and managerial aspects of theatre. The program is based on the philosophy that a successful career in Theatre Arts Administration requires knowledge of modern business practices coupled with a comprehensive background in theatre. The focus of this area of concentration is directed toward the study of both theatre arts core courses, as well as courses in business, which relate to the disciplines of Management, Legal Environments, Marketing, and Finance. In addition, the premise of the Theatre Arts Administration program is to impart to the student the three characteristics that embody a successful arts organization: artistic quality, public service, and fiscal responsibility. A major emphasis in this program is the preparation for the successful completion of an appropriate internship.

### **Theatre Technology**

The Theatre Technology program is designed to educate, train and inspire talented students in the technology of live theatre. It is expected that students who successfully complete this course of study will eventually become accomplished technical directors and theatre technicians in community, educational, regional and/or professional theatres as well as accomplished planners or consultants in other semi-related occupational fields.

## **WORLD LANGUAGES AND CULTURES**

<http://www.coas.howard.edu/worldlanguagesandcultures>

The Department of World Languages and Cultures offers majors in French and Spanish and an undergraduate program leading to secondary teacher education certification in French and Spanish. Minors are available in German and Russian. In addition to the major and minor programs, the department offers a four-semester language sequence in Arabic, Chinese, Japanese, Korean, Portuguese, Swahili, and Wolof. A unique feature of all undergraduate programs and courses is the incorporation, where applicable and possible, of content related to African American and African contributions to the historical and sociocultural development of world cultures.

Please refer to the World Languages section of the Course Directory for listings of all languages courses offered by the department.

## SCHOOL OF BUSINESS

### SCHOOL OF BUSINESS

<http://sbweb1.bschool.howard.edu/>

The present-day School of Business was founded in 1970. Dr. Milton Wilson served as its first Dean. There were only 12 faculty members at that time. The School of Business now has a distinguished faculty of over 80 members, who serve over 1,500 students each year and produce a broad array of scholarly research. The School of Business prepares students to become responsible citizens and ethical business persons as it provides a professional education for management careers in business, government, and public sector institutions. As a part of a traditionally black university, the School is especially concerned with developing a foundation for entrepreneurship and cultivating an aura that promotes the importance of active participation in civic and community affairs.

Business classes are taught in a modern 103,000 square foot facility that contains computer laboratories for student use; a library that is rated among the best in the Washington metropolitan area; and a 300-seat auditorium, equipped with computer monitoring facilities. The building also houses special centers for small business development, accounting education, insurance, and banking. A professional development center enhances the professional skills of students and a placement office links students to job opportunities in the business and government sectors. As a unit of Howard University, the School of Business is accredited by the Middle States Association of Schools and Colleges. The undergraduate, graduate, and accounting programs are accredited by the AACSB-International Association for Management Education.

#### **Mission**

The mission of the School of Business of Howard University is to provide a comprehensive business and management education to students of high academic potential with particular emphasis upon the provision of educational opportunities for promising African-American students who may not otherwise have an opportunity to acquire an education of the type provided at Howard. Further, the School is dedicated to attracting and sustaining a cadre of faculty who, through their teaching and research, are committed to developing solution for the business and management problems in the United States and throughout the world.

#### **Undergraduate Degree Programs**

The School of Business offers the Bachelor of Business Administration (B.B.A.) in Accounting, Finance, Information Systems, International Business, Management, Marketing, and Supply Chain Management.

#### **Admission Requirements and Policies**

##### **First-Time-in-College Students**

The requirements for the admission of first-time-in-college students (and students with fewer than 15 semester hours of college credit) are a SAT score of at least 1020 or an ACT score of at least 22 and a cumulative high school grade point average of at least 2.5 (on a 4.0 scale). These requirements are effective for the class entering in Fall 2000 and are subject to change for students applying for admission to the School after that date. The School will admit under a special admissions program a small percentage of students who do not meet the minimum requirements. Students also are expected to have completed at the secondary level the following courses with the assigned unit requirements: English (4) Science (2) Mathematics (2) Social Science (2) Foreign Language (2) and any other academic course counted toward graduation (3).

##### **Transfer Students**

Students transferring to the School of Business from another institution must have earned from that institution at least 30 semester credit hours and at least a 3.0 cumulative grade point average. The School from which the student seeks to transfer must be either a two-year or four-year regionally accredited institution. These requirements are effective for those students transferring to the School for the Fall 2000 Semester and are subject to change for students who apply to transfer to the School after that date. The School will admit under a special admission program a small percentage of students who do not meet the minimum requirements. The School accepts credit for comparable courses completed at schools accredited by the AACSB-International Association for Management Education. Students may transfer credits from non-AACSB Schools, regionally accredited two-year colleges, or regionally accredited four-year colleges. However, only credits approved by the School of Business will count toward a business degree. Transfer students must complete at least fifty percent of their degree credits at Howard University in order to obtain a degree from the institution. Students transferring to the School of Business from other units within

the University must have earned at least 30 semester credit hours at Howard University and a 3.0 cumulative grade point average.

### **Placement Test Policy**

All new students, both first-time-in-college and transfer students, are required to take placement tests to determine the level of their skills in reading, English, and mathematics. Students who do not achieve minimum scores—as determined by the Mathematics or English Departments—are recommended for the appropriate Center for Academic Reinforcement course. It is the policy of the School that all students recommended for any course by the Center for Academic Reinforcement successfully complete such course. Reading Improvement (ACAD-003) may be taken concurrently with Freshman English, but the Center for Academic Reinforcement Verbal (ACAD-008) must be taken prior to taking Freshman English. Mathematics courses that may be recommended are Basic Mathematics I (ACAD-014) or Basic Mathematics II (ACAD-015), or College Algebra I (MATH-006), each of which must be taken in the order listed and prior to College Algebra II, as applicable.

Transfer students will not obtain credit for courses in math or English taken at other schools if they do not achieve the specified minimum score on the applicable placement examination.

### **Foreign Language Policy**

All students, except International Business majors, are required to take two semester courses of a single modern foreign language in order that a working understanding of a language other than English may be achieved.

For students who are not International Business majors and have previously studied a language, the requirement may be fulfilled by demonstrating fluency in a modern foreign language through satisfactory achievement on the applicable University-wide foreign language placement examination. In this case, the student may be encouraged to continue study of the same modern foreign language, take two semester courses of another language, or may take other general education electives to fulfill the hours required for graduation.

International Business majors are required to take four semester courses of modern foreign languages and must reach fluency in at least one modern foreign language.

### **Course Load Restrictions**

The maximum number of hours that a student in the School of Business can enroll in per semester without special permission is 18. In order to exceed 18 semester hours, a student in the School of Business must:

1. have earned a cumulative grade point average of 3.0 and
2. have obtained the approval and signature of the Dean.

Any student who has exceeded 18 hours without satisfying the above criteria is subject at anytime to have the number of courses in his/her schedule reduced in order to achieve the appropriate course load. The maximum number of hours in which any student can enroll per semester is 22. Students on probation and/or returning from suspension are restricted to a total of 13 credit hours per semester.

### **Enforcement of Prerequisites**

Students in the School of Business must satisfy any and all prerequisites for the courses in which they enroll. Students who have enrolled in a course without the proper prerequisite(s) will be withdrawn from the course. A list of the curricula and prerequisites for particular courses can be obtained in the Office of Student Affairs, Room 222, in the School of Business.

## **ACCOUNTING**

<http://sbweb1.bschool.howard.edu/current-students/departments/accounting-department/>

The vision of the department is to prepare African American accounting graduates to assume leadership and management roles. The mission of the department is to provide a comprehensive and quality education that



encourages life-long learning. Accounting majors are required to demonstrate a high level of competence in technical accounting skills and thorough comprehension of contemporary accounting concepts.

The Accounting Curriculum, which offers a Bachelor of Business Administration degree, is accredited by the AACSB International (Association for the Advancement of Collegiate Schools of Business). Howard's Accounting Program is the first to be accredited in Washington, DC and the metropolitan area and one of approximately 150 accredited accounting programs in the United States. The accreditation for the School of Business is highly regarded by both employers and potential students. The unique additional accreditation for the department of accounting is also highly regarded and has resulted in Howard University being one of the few HBCUs which are on the national recruiting list for many of the major accounting firms and Fortune 500 organizations.

The department advises and supports the Beta Alpha Psi honor society, "a national scholastic and professional business financial information fraternity" and a student chapter of the National Association of Black Accountants, Inc. (NABA). The Department is also responsible for all courses in business law, a service area for the School of Business.

The department is supported by an Advisory Board comprised of leaders in the accounting professions from industry, government, and public accounting. One of the greatest attributes of the department is the Center for Accounting Education which conducts research on the certification of African American students and provides programs to increase the number of African American Certified Public Accountants. Other activities of the department include an annual Accounting Awareness Week, a one week residential Accounting Career Awareness program, and various student case competitions with other universities.

The Department seeks to develop a cadre of faculty who provide outstanding educational experiences for students who publish widely in academic, practitioner, and technical journals, and who contribute to the development of solutions to business and management problems.

## **FINANCE & INTERNATIONAL BUSINESS**

<http://sbweb1.bschool.howard.edu/current-students/departments/finance-international-business-department/>

The Department of Finance, Insurance and International Business, the largest department in the School of Business, offers courses in three majors (Finance, International Business, and Insurance). The insurance major has been shifted to become a new concentration within the Finance major effective for the incoming freshmen of Fall 2011. The department is also affiliated with the two professional industry centers: the Center for Insurance Education (CIE) and the Center for Financial Services (CFS). Since 1970, over 3,500 alumni have graduated from this department and represent the largest number of African Americans on Wall Street. Furthermore, Howard University is the only Historically Black College or University (HBCU) to offer an Insurance major/concentration.

CFA Institute, the global association for investment professionals that awards the prestigious Chartered Financial Analyst (CFA) designation announced in May 2009 a CFA Program Partnership with the undergraduate and graduate Finance Programs of School of Business, Howard University. CFA Institute partners with a limited number of globally diverse, select institutions whose degree programs cover a significant portion of the CFA Program Candidate Body of Knowledge™, including its ethical and professional standards. This partnership provides various benefits including five scholarships.

## **INFORMATION SYSTEMS & SUPPLY CHAIN MANAGEMENT DEPARTMENT**

<http://sbweb1.bschool.howard.edu/current-students/departments/information-systems-supply-chain-management-department/>

The Department of Information Systems and Supply Chain Management in the Howard University School of Business supports the core Business Administration curriculum and offers two degree programs at the undergraduate level (Computer Information Systems and Supply Chain Management). The Department also offers an Information Systems and Supply Chain Management concentrations at the Masters level and supports the MBA curriculum.

The undergraduate academic program leads to the degree of Bachelor of Business Administration with a major in Computer Information Systems (IS) or a major in Supply Chain Management (SCM). The IS degree can also include a concentration in Information Assurance. The Information Systems (IS) major integrates business and computing. Information Systems focuses primarily on the role that information and technology play in creating business solutions. The analytical and creativity skills assist the graduate to design and create automated business solutions. Supply Chain Management is a discipline that teaches students about the identification, acquisition, access, positioning, management of resources and related capabilities a company needs or potentially needs in the attainment of its strategic objectives.

### **Mission Statement:**

The mission of the Department of Information Systems & Supply Chain Management is to graduate business professionals able to create and apply business solutions utilizing information systems technologies and quantitative tools of the highest quality. Further, the Information Systems and Supply Chain Management Department seeks to foster a learning environment which provides advanced study of business issues, increasing the body of academic knowledge through research, debate, and corporate partnering.

## **MANAGEMENT & HOSPITALITY MANAGEMENT DEPARTMENT**

<http://sbweb1.bschool.howard.edu/current-students/departments/management-hospitality-management-department/>

The mission of the Department of Management and Hospitality Management is to achieve excellence, professionalism and recognition in teaching, faculty research, and community activity; to provide students with a top quality management education, and provide them with the proper skills and learning experiences for success in the work place; and to provide the fullest opportunity for all faculty members to work together and contribute to the growth of the Department as well as their own professional growth and development. The department seeks to develop a cadre of faculty who provide outstanding educational experiences for students who publish widely in academic, practitioner, and technical journals, and who contribute to the development of solutions to business and management problems.

### **Management**

Built upon a basic foundation of general education and the business core, the undergraduate program clearly offers a broad-based professional education in management. We are in an era in which professional interests and larger social considerations tend to be in conflict at every turn, and professional education programs all over the country are competing with one another in their attempts to develop the ideal curriculum. A sound undergraduate business education must emphasize the broader facets of the general education requirements as well as the business core subjects. In our times of growing social awareness, meeting this challenge would appear to be essential. It is important, therefore, to emphasize that [our program](#) is designed to prepare our graduates to meet both professional and societal expectations.

### **Hospitality Management**

The hospitality Industry is the fastest growing industry in the United States, creating a demand for professionals specialized in hospitality management. Hospitality graduates with right training, education, and work experience will have management opportunities in lodging, foodservice, resorts, clubs, hospitals, catering, airlines, nursing homes, retirement communities, associations and organizations, meeting and event planning, bed and breakfast, and individual entrepreneur options. [Hospitality program](#) offers Bachelor of Business Administration in Hospitality Management. The primary mission of the program is to provide students with a comprehensive professional education. The hospitality curriculum is designed to provide both theoretical and practical experience to address the changing needs of the hospitality industry. It integrates a variety of university courses in the humanities, social sciences, and science disciplines with a heavy concentration of business and [hospitality management courses](#). The hospitality management program at Howard University is located in the nation's capital Washington, DC. Living in the DC area surrounded by several hospitality businesses, students have tremendous opportunities to seek internship and job options at major hospitality corporations.

<http://communications.howard.edu/>

The Howard University School of Communications offers the following undergraduate degrees:

B.A. Strategic, Legal and Management Communication

B.A. Media, Journalism and Film

The 120 credit-hour curriculum of the School:

- Emphasizes digital communication
- Allows for flexibility in course selection and interdisciplinary exploration
- Encourages entrepreneurial thinking and exploration
- Provides hands-on experience
- Expedites time to degree
- Incorporates international and intercultural learning opportunities
- Requires internships and other hands-on experiences

Communications students participate in the School's specialized programs:

- Communications Entrepreneurship Research and Resource Center (CERRC) to develop business plans, incubate start-ups and obtain training and mentoring
- Adopt-A-Team Professional Development Program for corporate workforce development
- Speech and Hearing Clinic for free diagnostic testing and treatment for speech and hearing disorders
- Minor in Communication Sciences and Disorders

#### **Undergraduate Admissions:**

- 3.0 GPA
- 1057 was the average combined SAT Critical Reading and Math Score for first time in college students majoring in Communications over the last five years
- 446 on the Writing Portion of the SAT, or combined English/Writing Portion of ACT 16
- Admission essay indicating why the applicant selected the department and the applicant's future goals
- Letters of recommendation
- Two letters from teachers OR one letter from a teacher and one letter from a counselor, who are able to evaluate the applicant's ability to successfully complete college-level work, especially, writing, critical thinking and public communications
- High school course requirements
  - 4 units of English
  - 2 units of Science
  - 2 units of Mathematics
  - 2 units of Social Science
  - 2 units of Foreign Language
  - 3 units of any other academic course counted toward graduation

#### **Highly Recommended:**

Submit a sample of creative writing, short screenplay, journalism, short film, video, audio, media sample, debate case, advertisement/commercial, promotional items, etc.

#### **DEPARTMENT OF MEDIA, JOURNALISM AND FILM (MJFC)**

<http://communications.howard.edu/#>

The Department of Media, Journalism and Film (MJFC) prepares students for the media world of today and the future through core and cluster courses. The MJFC department draws from the fields of digital audio/radio, digital video/television, and film production, scriptwriting and reporting, and broadcast (i.e. radio and television), print, mobile and online news. The MJFC Department addresses current industry standards, technological trends of convergence and community needs, while meeting the university's historical mission. The Department unifies several intellectual and creative strands within the School that share the common concerns of communicating in effective ways at the local, regional, national and global levels.

Beginning in August 2013, students can earn a Bachelor of Arts specializing in media and film, journalism, and interdisciplinary studies (build a major) and a Master of Fine Arts in Film.

The MJFC Department was created by combining programs from Howard University's two ACEJMC-accredited Departments of Journalism and of Radio, Television and Film. The MJFC Department has award-winning, internationally and nationally renowned filmmakers, journalists, media producers, documentarians, and research scholars among its faculty and has strong ties with major communications organizations. NABJ ranked HU's journalism program as number one in the nation. The film program produced an elite Director's Guild Fellow. The film program was named as one of the best university cinematography programs.

The department is affiliated with a university-owned and operated public television station (WHUT-TV), a top-rated commercial urban radio station (WHUR-FM), satellite radio channels and HD radio channels. The Department operates several student-run media including WHBC, an AM radio station that also broadcasts online; Glass House Radio, an Internet talk radio station; HU News Service, a national news service; and 101 Magazine, a print and online magazine. Students are also engaged with Spotlight Network (a student news broadcast) and The Hilltop (the university's award winning newspaper). The department also sponsors student chapters of the major mass communication and journalism organizations.

### **DEPARTMENT OF STRATEGIC, LEGAL AND MANAGEMENT COMMUNICATION (SLMC)**

<http://communications.howard.edu/#>

The Department of Strategic, Legal and Management Communication aims to prepare students for careers and advanced study in communication used for strategic purposes such as public relations and special event planning, advertising and sales, non-profit and for-profit management, law and policy, organizational training and development, corporate communications, government relations, entrepreneurship, human resources, marketing communications, and media management. SLMC majors will develop strong critical reasoning, writing and case development, verbal and nonverbal communication, problem solving, research design and implementation. Students will be equipped with persuasive and informative methodologies to enhance the creation and development of messages in a variety of communication contexts including digital media. The mission of the new SLMC Department is to promote the study and practice of communicating effectively within institutional, corporate, organizational, legal, social, intercultural and interpersonal contexts.

Beginning in August 2013, students enrolled in the Department of Strategic, Legal and Management Communication will earn a Bachelor of Arts Degree specializing in Strategic Communication (advertising and public relations), Legal Communication (prelaw and policy), Management Communication (media management and organizational communication) or interdisciplinary studies (build a major).

The SLMC Department was created by combining award-winning programs from Howard University's two ACEJMC-accredited Departments of Journalism and Radio, Television and Film with the Department of Communication and Culture. The public relations program has been ranked as one of the top five programs in the U.S. by PR Week magazine. The advertising program has produced more African Americans in advertising than any other university in the world. The University's first Marshall Scholar and the School of Communications' first Fulbright Scholar were students in the organizational communication program. The legal communication program offers the endowed Richard Parsons Scholarship. Cox Media offers scholarships to students interested in media management and sales.

The SLMC Department is home to the student-run advertising and public relations agency, CapComm Lab; the NABEF Media Sales Institute funded by the National Association of Broadcasters Education Foundation; and the MLK Forensics Program with award-winning Mock Trial Debate and Parliamentary Debate teams. The Department also sponsors the Tom Burrell Chapter of the American Advertising Federation and D. Parke Gibson Chapter of the Public Society of America.

## SCHOOL OF EDUCATION

### SCHOOL OF EDUCATION

<http://www.howard.edu/schooleducation/>

Howard University's commitment to preparing educational leaders dates back to 1890. Howard University's School of Education (HUSOE) is not a newcomer to urban education; rather, for nearly a century and a half, it has been quietly actualizing its mission to improve and expand educational opportunity and access, particularly for African Americans and other underserved communities.

Advocacy is at the core of HUSOE's preparation programs which equip graduates to be leaders of change, reflective practitioners, and engaged researchers. Graduates are steeped in a knowledge base that is designed to eradicate the effects of racism in education and human service delivery. HUSOE has two research centers, an [Early Learning Program](#) that serves ages 3-5, and an Upward Bound Program. Additionally, the [Journal of Negro Education](#), which recently celebrated its 75th anniversary, is HUSOE's hallmark research publication.

### Undergraduate Academic Programs

The School of Education offers Bachelor of Science (B.S.) degree programs in Elementary Education and Human Development.

### Admission Requirements

Students interested in applying for admission to the School of Education should visit the School's website at [www.howard.edu/schooleducation](http://www.howard.edu/schooleducation) for specific admission requirements.

### Accreditation

The School of Education is accredited by National Council for the Accreditation of Teacher Education (NCATE). Programs with specialized national recognition include Elementary Education (The Association of Childhood Education International), Early Childhood Education (The National Association for the Education of Young Children), Special Education (The Council for Exceptional Children), School Psychology (National Association of School Psychologists (NASP)), and Educational Administration (The Educational Leadership Constituency Council).

### DEPARTMENT OF CURRICULUM AND INSTRUCTION (C&I)

The Department of Curriculum and Instruction (C&I) prepares candidates to become elementary (1-6), secondary (7-12), and special education (K-12) teachers. The department offers a 4-year Bachelor of Science (B.S.) degree in elementary education and a secondary education minor program that leads to teacher certification for selected undergraduate majors.

### Mission

The Department of Curriculum and Instruction prepares teachers and other professionals for leadership roles in a variety of national and global educational settings. The Department specifically champions the needs of black and other underrepresented students in urban communities. Asset-focused teaching methodologies and interdisciplinary coursework prepare candidates to (a) think and reflect critically; (b) analyze and solve problems; (c) make ethical decisions; (d) translate theory and research into effective practice; and (e) understand self, history, and community. The ultimate aims of the Department Programs are to develop graduates who will facilitate optimal teaching and learning for all students and to influence educational policies, practices, and outcomes.

### Conceptual Framework

The conceptual framework for the School of Education emphasizes the development of reflective practitioners who are change agents, competent researchers, and educational leaders.

### Outcomes of the Department of Curriculum and Instruction

To realize the mission, successful candidates in the Department of Curriculum and Instruction are required to achieve several outcomes. These outcomes are categorized into five major categories: Pedagogy, Diversity and African American Cultural Competence, Human Development, Content Expertise, and Professional Dispositions.

### **Pedagogy**

*P.1 Classroom Management.* Demonstrate effective classroom management practices to support optimal student learning.

*P.2 Instructional Technology.* Demonstrate effective instructional technology use to support optimal student learning.

### **Diversity and African American Cultural Competence**

*D.1 Differentiated Instruction.* Demonstrate the ability to address the needs of diverse learners by implementing evidence-based, differentiated instruction.

*D.2 Culturally-affirming Orientations.* Demonstrate culturally-affirming orientations, expectations, and practices that support urban learners.

*D.3 Talent Development Model.* Demonstrate the ability to identify student, family, and community strengths and employ asset-focused approaches to instruction.

### **Human Development**

*HD.1 Human Development.* Demonstrate the role of human development in determining and meeting the needs of all students.

### **Content Expertise**

*C.1 Subject-matter Expertise.* Demonstrate standards-based, subject-matter expertise.

### **Professional Dispositions**

*PD.1 Dispositions.* Demonstrate dispositions that promote the highest standards of teaching and challenge inaccurate assumptions about teachers, teaching, and the organizational contexts of education.

*PD.2 Professional Identity.* Demonstrate evidence of a professional identity that challenges the status quo and reflects a sense of advocacy with regard to the education of African American students.

## **ADMISSION and ADDITIONAL REQUIREMENTS**

In addition to the general requirements for undergraduate applicants to Howard University, special admission and program requirements, such as state licensure examinations, for the B.S. degree in elementary education and secondary education minor are listed and described at [http://www.howard.edu/schooleducation/departments/candi/CI\\_Admission.html](http://www.howard.edu/schooleducation/departments/candi/CI_Admission.html).

## **DEPARTMENT OF HUMAN DEVELOPMENT AND PSYCHOEDUCATIONAL STUDIES (HD PES)**

[http://www.howard.edu/schooleducation/departments/hdpes/HD PES\\_Overview.html](http://www.howard.edu/schooleducation/departments/hdpes/HD PES_Overview.html)

The Department of Human Development and Psychoeducational Studies (HD PES) offers a Bachelor of Science degree in Human Development. The mission of HD PES is to meet the human development, educational, and psychological needs of a multicultural society. Consistent with the mission of Howard University, HD PES seeks to provide an educational experience of exceptional quality to students of high academic potential. HD PES is dedicated to creating an environment that not only encourages students to learn, but also one that is conducive to faculty excellence in the areas of teaching, research, scholarship, and service. HD PES programs are aimed specifically at preparing educators, psychological practitioners, and researchers for leadership roles and challenging careers in schools, colleges/universities, community programs, government, and other career settings with regard to research, service, and policy as related to individuals and their families.

Human Development and Psychoeducational Studies (HD PES) programs are aimed specifically at preparing educators, psychological practitioners and researchers for leadership roles and challenging careers in schools, colleges/universities, community programs, government and other career settings with regard to research, service and policy as related to individuals and their families.

## **COLLEGE OF ENGINEERING, ARCHITECTURE & COMPUTER SCIENCES**

### **COLLEGE OF ENGINEERING, ARCHITECTURE AND COMPUTER SCIENCES (CEACS)**

<http://www.howard.edu/ceacs/>

The College of Engineering, Architecture and Computer Sciences (CEACS) is composed of the School of Engineering and Computer Sciences and the School of Architecture and Design. The CEACS is home to six academic departments offering accredited undergraduate, graduate and professional programs. The departments include [Architecture](#), [Chemical Engineering](#), [Civil & Environmental Engineering](#), [Electrical and Computer Engineering](#), [Mechanical Engineering](#), and [Systems and Computer Science](#). Our graduates are skilled in creative design and the application of technological and scientific solutions to complex and challenging problems, interpersonal relations, teamwork, critical thinking and leadership.

### **Vision**

To become a recognized leader in research and the creation of learning environments conducive to the solution of problems which transcend the boundaries of discipline and profession.

### **Mission**

1. To serve our students by providing learning environments and curricula which foster their ability to formulate and solve problems, manage complexity and uncertainty. To develop sensitivities to interpersonal relations. To support the acquisition of strong technical competencies.
2. To contribute to the solution of national and global problems through research, teaching and learning.

### **General Admission Requirements**

Prospective students in the College of Engineering, Architecture, and Computer Sciences (CEACS) must submit an application to the University's Office of Enrollment Management and follow the general protocol applicable to all prospective undergraduates. The University promotes academic excellence through a highly selective admissions process. Students who are admitted show strong personal motivation along with backgrounds of consistent academic growth and achievement. The University encourages the submission of applications from socially and economically disadvantaged students who show promise of gaining from a Howard University education. Information for potential applicants is maintained by the Office of Enrollment Management on the University website.

All applicants must take a standardized college entrance exam (SAT or ACT). Prospective students are evaluated on the results of these exams, their secondary school academic record, leadership in school and community activities, unique talents and skills, educational objectives, and the recommendations of a teacher and counselor. Minimum requirements for admission to the College of Engineering, Architecture, and Computer Sciences are:

1. a combined SAT score of 1080 or a composite score of 23 on the ACT
2. graduation from a secondary school with a grade point average (GPA) of 2.5 or higher out of 4.0 or equivalent
3. rank in upper half of graduating class
4. completion of at least 15 units of high school coursework, including a minimum of:
  - English, 3 units
  - Algebra, 2 units
  - Geometry, 1 unit
  - Trigonometry, 1 unit
  - Social Science, 1 unit
  - Science, 2 units

A unit represents one year of study in a secondary school. International applicants must submit official transcripts of all work taken at other institutions (secondary and collegiate). Applicants from non-English speaking countries are required to complete the Test of English as a Foreign Language (TOEFL) with a cumulative score of 550 or better.

Students who are accepted for admission receive either unconditional acceptance or conditional acceptance, which requires enrollment in appropriate developmental courses in English, mathematics, reading, or study skills through the Center for Academic Reinforcement.

The CEACS Office of Student Services, located in the Lewis K. Downing (Engineering) Building, Room 1114, conducts an orientation program for new students who arrive in the fall semester. During the orientation, students are introduced to the chair of their department and are guided through the advising and registration processes.

### **Transfer Students and Transfer Credit**

The University defines a transfer student as any person who has been enrolled in a college or university other than Howard University, regardless of course load or earned credits. The University seeks transfer students who have the motivation to thrive within the unique blend of classroom, campus, and city experiences that Howard offers. A transfer applicant must



submit an on-line application, an official transcript of the courses taken at all college-level institutions that he or she attended, and one letter of recommendation from a professor or academic advisor, in addition to meeting the following minimum requirements for admission consideration:

- 15 transferable credit hours from a regionally-accredited, postsecondary institution
- Cumulative GPA of 2.5 and a passing grade of C or better in both a college-level English and college-level math course

Admissions decisions are made by the Office of Enrollment Management and are based on the prospective student's credentials. Once the transfer student is admitted, the transfer of courses from other institutions to Howard University is evaluated by each department. The Chair, in consultation with faculty, uses the official transcript and course descriptions from the source institution to conduct an equivalency assessment of each transfer request in the context of curriculum requirements. Transfer credit is only awarded for courses of similar description and equal or greater credit hours, in which the student earned a grade of C or better. Upon approval, the Department submits the Application for Advance Standing to the Office of Enrollment Management, which indicates a "T" on the student's transcript for each approved course. Actual grades are not transferred. All students have access to their academic transcript through BisonWeb and can easily verify the posting of approved transfer requests.

The only time this evaluation of transfer credits is not required is in the case of articulation agreements. The CEACS office of student affairs maintains a record of the current articulation agreements which are made available to the departments.

Students desiring to transfer from another department within the University must submit the intra-university transfer application. This form is available through the CEACS Office of Student Services. Only students in good academic standing are allowed to transfer to another department. Once a student is considering or has submitted a transfer request, he/she is assigned a faculty advisor who reviews the transcript and notifies the student of courses he/she has completed that count toward the requirements of the program. The advisor also provides guidance on course selection for the following semester.

Advanced placement for entering post high school students is determined by the faculty advisor and is based on scores that have been specified by the appropriate department at Howard. A list of these required scores is maintained by the advisors.

### **Advising, Monitoring of Progress and Career Counseling**

New students are given a handbook (also accessible on-line) that contains the current curriculum, course descriptions, degree requirements, and course check sheet for use in tracking progress toward graduation. An outline of the contents of the handbook and the website are listed in Table 1-1. Student advising is standardized by this handbook to ensure that all students receive consistent information. All faculty members participate in student advising. Advising assignments are designated by students' last names. Each semester, students are required to meet with their assigned faculty advisor at least once to review progress in the academic program and determine the appropriate courses for the following semester. Students are required to bring a registration request form (that includes contact information and the classes for which they are seeking approval to register) and an up-to-date transcript to their advising meeting. Students may print their own transcripts from the on-line enrollment management system (BisonWeb) and faculty members have access to student transcripts through BisonWeb as well. The advisor reviews the transcript and edits registration request forms, as needed, to ensure compliance with the curriculum and pre-/co-requisites. The student and faculty advisor sign the completed registration request form to denote agreement and approval of the selection of courses.

Students register for courses through BisonWeb, following the advising meeting. The University establishes the registration dates and disseminates the information to students in the University calendar and on the University Web site. Students schedule their advising meeting so that their course selection is approved prior to the end of the registration period. To initiate on-line registration, students must use their PIN (personal identification number), which is given to them by their faculty advisor during the advising meeting. Student PINs change each semester to prevent students from registering without advisement. Copies of the complete, approved registration request forms are kept in the department files. The BisonWeb system provides an additional mechanism for ensuring that pre-/co-requisites are adhered to because students are given an error message and are not allowed to register for a course if its pre-/co-requisite is not on the students' transcript.

Students are permitted to take courses outside of the University through the Consortium of Universities in the Washington Metropolitan Area. Courses taken through the consortium require the approval of the faculty advisor and Department Chair. In addition to Howard University, consortium institutions include American University, Catholic University, Corcoran

College, Gallaudet University, Georgetown University, George Mason University, George Washington University, Marymount University, Trinity College, University of the District of Columbia and University of Maryland-College Park. The letter grade earned appears on the transcript for students who take courses through the consortium. Students are only permitted to enroll in engineering courses through the consortium or other universities if that institution is ABET-accredited and the course description and credit hours are consistent with that at Howard.

To enroll in a consortium course, students must complete a consortium registration forms, available during the registration period each semester from the University Consortium Office in Suite 105 of the Administration Building. Students must also receive approval from the faculty advisor and Department Chair before taking a course at a non-consortium school.

The "Approval for Outside Courses" form must be submitted and approved before taking a non-consortium course. The Dean of Student Services receives grades for all courses taken outside of the consortium via official transcript and consults with the department for transferring the credits to the student's transcript.

In addition to course selection, the typical advising meeting includes discussions on academic progress, grades, deficiencies, opportunities for summer courses and internships, and balancing school and personal responsibilities. The Office of Enrollment Management provides each department with a list of enrolled students and their current grade point averages through the CEACS Office of Student Services. This list and access to the students' transcripts enables each faculty advisor to advise students appropriately, based on their overall performance.

The student's progress is followed by the advisor and shared with the student via a program curriculum checksheet, which lists all courses required for the BS e degree in chemical engineering. A sample 5-page Checksheet for a recent graduate is shown in Table 1-2. The checksheet lists the courses by category (Ch.E., Math, Chemistry, etc.), and advisor to fill in and update the information about the semester each course was taken, grade, advanced standing (if transferred), substitute course (if applicable) and any remarks. In some cases, an equivalent or higher course may be substituted, which meets or exceeds general requirements for the course. For example, some students transfer to our department at an advanced level with no course equivalent to our Intro to Engineering II course. In that case we require and substitute an additional technical elective in chemical engineering, instead of requiring a student of advanced standing to take a freshman course that does not have much learning value for the transfer student and can also be intimidating to freshmen in the class. The check sheet also provides a template for grade analysis (overall and major), number of 'D' credits (should not exceed over 1/6th or 21 credits), and other department, college and university requirements. To earn a bachelor's degree in chemical engineering, students must complete the subjects in the curriculum, have minimum GPA of 2.0/4.0 in all work attempted at Howard University and have a cumulative GPA of 2.0/4.0 on all chemical engineering courses passed at Howard University. Thus it provides a snapshot of student's progress towards the completion of their B.S. degree in chemical engineering.

Students found to have academic difficulties, as indicated by a GPA of less than 2.0, incur academic probation. They are notified of their probationary status by the Office of Enrollment Management. Upon notification, students must establish and maintain contact with their faculty advisor academic advising, counseling, assistance, and referral to support services. A reduced course load of 13 credit hours is required and students work with their faculty advisor to determine a plan for repeating necessary courses, including summer school options. Probationary status is removed when the student has achieved a cumulative average of at least 2.0. Probationary status must be removed within one semester, exclusive of summer sessions, or the student will incur suspension. A one-semester extension of the probationary period may be requested by appealing in writing to the Dean of Student Services. If the appeal is granted, the student is given course and grade stipulations for the extension period by his/her faculty advisor. If the appeal is denied, the student is not eligible for readmission for at least one semester.

Faculty advisors are available to all students for general advising and career guidance weekly during designated office hours. Advising hours are made known to students by posting on each faculty member's office door and in the department office. The Dean of Student Services and Department Chairs are also available to advise students who are experiencing extenuating circumstances, conflicts, or serious academic difficulties. There is wealth of information available to students in H-Book and Bulletin for Career guidance, which are updated regularly. They are provided as supplemental material with the Self Study Questionnaire.

### **Advanced Placement**

The College of Engineering, Architecture, and Computer Sciences does not award academic credit for work in lieu of courses. Entering students may receive credit for work completed in secondary school under the Advanced Placement

Program administered by the College Board. Students who receive a score of 3 or higher (except Biology which requires a score of 4 and English which requires a score of 5) in any of the ADVANCED PLACEMENT (AP) examinations of the College Entrance Examination Board may be eligible, in the area of each examination, for advanced placement and credits toward graduation as determined by the appropriate department.

## DEPARTMENT OF CHEMICAL ENGINEERING

<http://www.howard.edu/ceacs/departments/chemical/>

Chemical Engineering primarily deals with the many aspects of processes in which matter and energy undergo change. It is based on the sciences of chemistry, physics and mathematics and the principles of economics and environmental protection. Chemical engineers are generally regarded as versatile problem-solvers. Working in consultation with other engineers and scientists, chemical engineers define problems, determine objectives, plan and carry out the research, and then design, develop, computerize and control the processes.

The Department of Chemical Engineering provides a broad and strong foundation which prepares graduates for entry into all areas of chemical engineering or pursuit of advanced degrees in chemical engineering and other disciplines. The undergraduate program leads to the Bachelor of Science degree in Chemical Engineering.

### Program Educational Objectives

The educational objectives of the Chemical Engineering program, defined to be achieved by our graduates within a few years of their graduation, are to produce graduates, who are:

1. practicing chemical engineering in a variety of contemporary industrial settings
2. pursuing advanced study and research in chemical engineering and other related disciplines
3. taking leadership roles in their chosen careers

### Educational Emphasis

The Department of Chemical Engineering, through elective sequences and consultation with a faculty advisor, gives students the opportunity to concentrate their studies in the following areas: (i) Environmental Protection and Hazardous Waste Treatment, (ii) Biotechnology and Biomedicine, (iii) Nanotechnology, and (iv) Processing of Energy and Natural Resources.

- **Environmental Protection and Hazardous Waste Treatment.** Chemical engineers use chemical techniques to leach hazardous chemicals from landfills and use micro-organisms and combustion technology to destroy hazardous waste. They develop catalytic reaction devices to convert air and water pollutants to harmless compounds.
- **Biotechnology and Biomedicine.** Chemical engineers design and develop separation processes and bioreactors to produce complex bioproducts such as therapeutic drugs and agricultural biochemicals. They also make important contributions in the development of artificial organs, artificial tissues and prostheses.
- **Nanotechnology.** Nanotechnology, with sizes ranging from 1 to 100 nanometres, includes the application of fields as diverse as engineering, chemistry, biology, physics, etc.. Chemical Engineers use their knowledge of chemistry, mathematics, and processing to manufacture nanomaterials, devices, and other structures, for applications in medicine, consumer products, food and energy. Scientists and Engineers are also studying the toxicity and environmental impact of nanomaterials.
- **Processing of Energy and Natural Resources.** Chemical engineers find new chemical process pathways to convert natural resources into energy and useful products. Some in-situ processes use the earth itself as a reaction vessel for extracting underground resources.

### Graduation Requirements

Prospective graduates are required to complete a formal application for graduation. This application is available from the CEACS Office of Student Services on their website. The application indicates the required submission deadlines for the graduation application, which are:

- December Graduate/October 15
- May Graduate/November 15
- August Graduate/May 15

If a student does not graduate when expected, the student must reapply. The application for graduation establishes a student's intent to graduate and the list of prospective graduates is provided to each department by the CEACS Office of Student Services for academic clearance and recommendation.

Academic clearance is the process of ensuring that all degree requirements in the major department have been satisfied. The Department of Chemical Engineering awards the undergraduate degree, Bachelor of Science in Chemical Engineering. In order to ensure that all degree requirements are met, each prospective graduate meets with his/her faculty advisor prior to registration in fall semester of the graduating year to review the check sheet and approve the final courses needed to complete the academic program. The check sheet lists each course in the plan of study, the semester and year in which the course was successfully completed, and the grade earned (or credit earned in the case of transfer credits). All students are made aware of degree requirements in the B.S. Ch.E. handbook for the department. Outstanding courses are identified and added to the Registration Request Form for the following semester. The faculty advisor also ensures that the student has not exceeded the allowable "D" credits. A student is only allowed to earn a grade of "D" in one-sixth of their total required credit hours. The faculty advisor approves the check sheet and forwards it to the Department Chair. Using official transcripts, the Chair certifies that the student's course of study meets the requirements of the curriculum.

Academic clearance is officially issued upon the vote of the department faculty, in the final semester, after all grades have been recorded and verified and the student's check sheet reflects that the student has satisfied all requirements of the curriculum. The complete procedure for academic clearance is as follows:

1. Faculty prepares the check sheet and ensures that all degree requirements have been satisfied.
2. Faculty and the Chair verify the check sheet against the official transcript and the chair compiles a list of students who have met degree requirements.
3. List of prospective graduates and associated check sheets are presented to the department faculty, which votes to recommend each prospective candidate for graduation.
4. Chair presents the list of prospective candidates recommended by the department to the School of Engineering and Computer Science faculty, and the CEACS faculty for approval at the meetings of faculty called for this purpose. The list includes name, ID number, major GPA, overall GPA, total number of credit hours completed, and total number of "D" credit hours.
5. Upon vote of approval from the School and College faculty, the student is academically cleared and recommended for graduation.

The final list of prospective graduates is compiled by the Assistant Dean for Student Services and submitted to the University, which then certifies that students have obtained the necessary financial clearances. This information is provided for students on the University website.

## **DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING**

<http://www.howard.edu/ceacs/departments/civil/Default.htm>

The Department of Civil and Environmental Engineering at Howard University is a vibrant department offering the Bachelor of Science in Civil Engineering and Master of Science degree in Civil and Environmental Engineering. Areas of specialization include Geotechnical, Environmental, Structural, Transportation and Water Resources. These are exciting times to study civil and environmental engineering. As our Nation's infrastructure is eroding, civil engineers are being called to address the grand challenges of restoring, protecting, and improving our Nation's infrastructure with a keen eye on sustainable, green design. At Howard University, faculty and students are involved in interdisciplinary research involving collaborations with departments both within Howard and external to Howard, and have made distinct inroads in research and education within our field.

The Department of Civil and Environmental Engineering educates leaders, entrepreneurs, educators, researchers and professionals with an international awareness. Over the years, our alumni have continued to make strong impacts on our profession and society. Howard University's location in Washington, DC affords students with unique opportunities to interact with government agencies, non-government organizations (NGOs), local contractors, companies and industrial affiliates.

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### **About Civil & Environmental Engineering**

The Civil Engineering profession is concerned with the built environment. Civil engineers plan, design, and construct major facilities, including highways, transit systems, airports, dams, water and wastewater treatment systems, tunnels, energy facilities, harbors, canals, buildings, and bridges. Civil engineers manage our air, water, and energy resources and protect society from natural catastrophes, such as earthquakes, and the hazards society itself generates in the form of toxic wastes.

Because these functions are often crucial to the day-to-day lives of most people and the facilities involved are physically substantial, civil engineers bear an important responsibility to the public. Their role is often more than just technical, requiring also a high degree of communicative skills and an ability to deal with people.

Civil engineers can be found in industry, consulting firms, and government. This is one of the few areas of engineering in which the engineer often deals directly with the public and public agencies in every phase of major infrastructural projects.

The Department of Civil & Environmental Engineering Department offers specialization in environmental, geotechnical, structural, transportation, and water resources engineering.

**Environmental Engineering** involves sustainable design for the control and protection of the environment and its resources. Environmental engineers design systems for water quality and treatment, wastewater treatment, hazardous waste management and treatment and control of air pollutants.

**Geotechnical Engineering** encompasses the areas of soil mechanics and foundation engineering. It is concerned with design and construction of structures built on or below the ground surface and the physical characteristics of soil and rocks or composite material. Geotechnical engineering includes the design of foundations of bridges and buildings, design of tunnels and dams, and the geological factors affecting all structures.

**Structural Engineering** includes the design of all types of structures including buildings, dams, bridges and tunnels and the monitoring of their construction. A primary concern of structural engineers is predicting the loads that a structure will have to resist during its life and ensuring that it will be both safe and useful.

**Transportation Engineering** deals with the planning, design, construction and operation of highways, railways, air transportation systems, and their terminals. Transportation engineers are involved in the total transportation system, including the planning, design, implementation, administration, management, and performance evaluation. Highway engineering and traffic engineering are subfields of transportation engineering that involve highway design, traffic operations, and highway safety.

**Water Resources Engineering** involves flood control, harbor and river development and water quantity management. It also includes hydrology, which encompasses the occurrence, distribution, movement and properties of the waters of the Earth and their environmental relationships.

### **PROGRAM EDUCATIONAL OBJECTIVES**

Three to five years after graduating from our civil engineering program, successful graduates will:

1. Analyze and design contemporary civil engineering systems independently and as members or leaders of multidisciplinary teams.
2. Pursue graduate and professional studies and/or professional development opportunities, including those required to pursue and maintain professional registration.
3. Utilize their knowledge, problem-solving, and communication skills in professional careers in government agencies and the private sector.

The program offers instruction and research opportunities in **environmental, geotechnical, structural, transportation, and water resources engineering** and has adopted the student outcomes established by ABET requirements in Criterion 3. Achieving these outcomes establishes the foundation for achieving the program educational objectives. The civil engineering undergraduate program is accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org>.

**DEGREE REQUIREMENTS**

To meet the requirements for graduation, a student must successfully complete the required 120 credits of course work with a minimum overall cumulative grade point average (GPA) of 2.0 and a minimum GPA of 2.0 in civil and environmental engineering courses.

Subject Area	Total Credit Hours
English	6
Math and Basic Science	38
Social Science/Humanities	9
African-American Studies	3
ROTC/Physical Education	2
Engineering	66
Free Elective	3
<b>Total Credit Hours</b>	<b>127</b>

**STUDENT OUTCOMES**

- a) an ability to apply knowledge of mathematics, science, and engineering
- b) an ability to design and conduct experiments, as well as to analyze and interpret data
- c) an ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability
- d) an ability to function on multidisciplinary teams
- e) an ability to identify, formulate, and solve engineering problems
- f) an understanding of professional and ethical responsibility
- g) an ability to communicate effectively
- h) the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context
- i) a recognition of the need for, and an ability to engage in life-long learning
- j) a knowledge of contemporary issues
- k) an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

**ELECTRICAL AND  
COMPUTER  
ENGINEERING**

<http://www.howard.edu/ceacs/departments/electrical/Default.htm>

The Department Electrical and Computer Engineering offers accredited undergraduate electrical engineering program, accredited undergraduate computer engineering program and a graduate program leading to the Master of Engineering degree and Ph.D. degree. Our undergraduate programs in electrical and computer engineering are accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org>.

The Department of Electrical and Computer Engineering at Howard University is a dynamic unit within the College of Engineering, Architecture and Computer Sciences. Over the years the Department has established a reputation for excellence in teaching, research and service to Howard University, as well as to the local, national, and international communities. For many years, the department and the college have been one of the top producers of African American and minority engineers at the bachelor, master's and Ph.D. levels. The department has highly regarded centers and laboratories where exciting research in innovative

technology continues to attract students from all over the world. Our graduates are sought after by private industry, government agencies and graduate school all over the nation. Many of our graduates continue to be accepted into top graduate programs in the nation. A large number of our Alumni occupy leadership positions all over the world.

The department enjoys the membership of outstanding faculty who teaches and conducts cutting edge research in the critically important fields of computer engineering, communications and signal processing, control, energy and power, electromagnetics; and materials and nanotechnology. We place special emphasis on our undergraduate programs where we are continually improving our labs, curriculum; and advising and mentoring programs. We are putting more emphasis on research programs with international experience for our undergraduates. We continue to develop more academic-corporate partnerships with local and national companies.

### **Program Educational Objectives**

Our ECE undergraduate programs educational objectives (PEO) are reviewed periodically by our constituencies in order to ensure that they reflect current industrial and academic trends, and to adapt our Program to a continuously and rapidly changing globalized society.

1. Howard University Electrical/Computer Engineering graduates will achieve successful careers in Electrical/Computer Engineering or other fields that require technical and/or professional skills and knowledge
2. Howard University Electrical/Computer Engineering graduates will pursue continuous professional development, including advanced study and/or research in technical or professional fields
3. Howard University Electrical/Computer Engineering graduates will demonstrate active engagement and leadership within professional/community activities, with a special emphasis on African-American and other underrepresented communities

### **Student Outcomes**

Our electrical and computer engineering programs demonstrate that our graduates have:

- (a) an ability to apply knowledge of mathematics, science, and engineering
- (b) an ability to design and conduct experiments, as well as to analyze and interpret data
- (c) an ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability
- (d) an ability to function on multi-disciplinary teams
- (e) an ability to identify, formulate, and solve engineering problems
- (f) an understanding of professional and ethical responsibility
- (g) an ability to communicate effectively
- (h) the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context
- (i) a recognition of the need for, and an ability to engage in life-long learning
- (j) a knowledge of contemporary issues
- (k) an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.
- (l) an understanding of issues related to minorities and gender diversity, society and culture, and historical awareness of Africa and its Diaspora.

### **DEPARTMENT OF MECHANICAL ENGINEERING**

The undergraduate program in mechanical engineering is accredited by the Engineering Accreditation Commission of ABET (<http://www.abet.org>). The department also offers the Master's and PhD degrees. Over the years, the department has produced a large number of outstanding engineers who have continued to excel in their chosen fields of work. Our graduates work with engineers and professionals from other disciplines to provide the fuel that drives this nations industries and government operations. They are also employed as leaders in academic institutions and other varied professions in the United States and across the world. With a good preparation in the fundamentals of mechanical engineering you should be in a position to take full advantage of the opportunities available in technology and enjoy a fascinating and rewarding career.

The Department of Mechanical Engineering faculty and staff are committed to continuous improvements of our

programs. We encourage your questions and comments on all aspects of our program. We are particularly interested in your comments regarding program educational objectives, learning outcomes and the curriculum.

### **About Mechanical Engineering**

Mechanical Engineers apply the principles of mechanics and energy to the design of machines and devices. They must be able to control mechanical systems and usually work with other professionals in designing these systems. Automobiles, engines, heating and air-conditioning system, gas and steam turbines, air and space vehicles, trains, ships, servomechanisms, transmission mechanisms, machine tools, material handling systems, elevators and escalators, and robots used in industry are a few of the systems and devices requiring mechanical engineering knowledge.

The Department of Mechanical Engineering offers dynamic educational programs and a faculty poised to deliver quality engineering education. The department also offers studies leading to the Bachelor of Science in Mechanical Engineering, Master of Engineering and the Ph.D. The Master of Engineering and Ph.D. programs also include interdisciplinary degrees in Atmospheric Sciences and Materials Sciences.

The mission of the department is to provide mechanical engineering majors a high-quality engineering education and contribute new knowledge through research in mechanical engineering and allied disciplines. In addition, the department seeks to maintain recognition through scholarly work and service to the college, the university and the external community.

### **Educational Objectives**

- I. Graduates will have careers in mechanical engineering related fields and professions.
- II. Graduates will continue career planning and engage in professional development through continuing education including: workshops, obtaining professional registration and certificates, participating in conference activities, and graduate studies.
- III. Graduates will use their analytical, teamwork, leadership and communication skills to effectively participate in the development of products and finding solutions [to problems] sought by local and/or the global community.

### **Student Outcomes**

Graduates of the Mechanical Engineering Program have:

- a) an ability to apply knowledge of mathematics, science, and engineering
- b) an ability to design and conduct experiments, as well as to analyze and interpret data
- c) an ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability
- d) an ability to function on multidisciplinary teams
- e) an ability to identify, formulate, and solve engineering problems
- f) an understanding of professional and ethical responsibility
- g) an ability to communicate effectively
- h) the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context
- i) a recognition of the need for, and an ability to engage in life-long learning
- j) a knowledge of contemporary issues
- k) an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice
- l) an understanding of issues related to minorities and gender diversity, society and culture, and a historical awareness of Africa and its Diaspora.

The Mechanical Engineering curriculum contains offerings in the basic sciences, mathematics and the engineering sciences. In addition extensive practice is given in applying principles and fundamental knowledge to engineering analysis, design and experimentation. Elective sequences are available in applied mechanics, energy systems, manufacturing engineering and aerospace engineering. This program is accredited by the Engineering Accreditation Commission of ABET (<http://www.abet.org>). (See the department's Undergraduate Program Handbook.)



**Applied Mechanics** is concerned with the motion and causal effects of forces on this motion. Engineers in this area apply principles of mechanics to the study, design and development of systems and components, which transmit, motion, forces, power or any combination of these.

**Energy Systems** use reciprocating and rotating engines, which utilize gas combustion, steam pressure, or nuclear energy solar energy to generate power which is transmitted through shaft motion. This shaft power may be used in power plants to generate electrical power or it may be used to drive the wheels in ground transportation vehicles or to drive the propellers and turbine blades in airplanes and jet engines.

**Manufacturing Engineering** includes systematic planning, design and arrangement of processing methods and equipment so that a product may be manufactured economically. Computers have had a tremendous impact in this area. Computer-aided design and manufacturing has revolutionized both the workplace and the engineer's work.

**Aerospace Engineering** is the study of the motion of planes, missiles, satellites and rockets.

## DEPARTMENT OF COMPUTER SCIENCE

<http://www.cs.ceacs.howard.edu/>

The Department offers a program of study geared to students who wish to pursue careers in the emerging field of software engineering. The undergraduate curriculum provides students with a comprehensive knowledge of the theory, design and application of digital computers, information processing technologies and systems engineering. The program is [accredited](#) by the Computing Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012 – telephone: (410) 347-7700. Within a few years of graduating from the computer science program, graduates will be able to attain the **Program Educational Objectives**. Graduates will be able to:

1. Utilize their knowledge, problem-solving, and communication skills in professional careers in government agencies and the private sector;
2. Conceptualize, analyze, design, implement, and evaluate a computational solution to a real life problem using appropriate tools independently and as members or leaders of multidisciplinary teams;
3. Will have earned or will be pursuing graduate and professional degrees and/or professional development opportunities, including those required to pursue and maintain professional certifications.

There is an emphasis on the engineering of computer software, as well as engineering with computers, with particular stress on software and the software/hardware interface. The first two years of instruction prepare students in the engineering fundamentals, while the last two years of instruction focus on systems engineering and computer science. In addition to formal course work, students are encouraged to serve an informal internship of at least one summer in a computer-oriented laboratory within the University or at another computing facility.

Although not required, the department offers students the ability to take prescribed courses geared toward their specific interest in the following tracks:

1. Computer Science
2. Gaming and Interactive Media
3. Computer Networking
4. Cybersecurity
5. Computational Biology
6. Computational Chemistry
7. Computational Mathematics
8. Computational Physics

By default, all students prescribe to the Computer Science track. Students seeking the Bachelor of Science in Computer Science must complete a minimum of 120 credits (credits may not total 120 because of varying credits for science electives). This includes 60

credits in arts and sciences/social sciences and 48 credits in computer science and engineering consisting of 12 credits in technical electives at the senior level. The Program Educational Objectives embrace outcomes-based learning. Through the curriculum, and co- and extra- curricular activities, students are enabled to achieve the following **Student Outcomes**:

- (a) An ability to apply knowledge of computing and mathematics appropriate to the discipline;
- (b) An ability to analyze a problem, and identify and define the computing requirements appropriate to its solution;
- (c) An ability to design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs;
- (d) An ability to function effectively on teams to accomplish a common goal;
- (e) An understanding of professional, ethical, legal, security and social issues and responsibilities;
- (f) An ability to communicate effectively with a range of audiences;
- (g) An ability to analyze the local and global impact of computing on individuals, organizations, and society;
- (h) Recognition of the need for and an ability to engage in continuing professional development;
- (i) An ability to use current techniques, skills, and tools necessary for computing practice;
- (j) An ability to apply mathematical foundations, algorithmic principles, and computer science theory in the modeling and design of computer-based systems in a way that demonstrates comprehension of the tradeoffs involved in design choices; and
- (k) An ability to apply design and development principles in the construction of software systems of varying complexity.

In addition to formal course work, students are encouraged to engage in [undergraduate research](#), or serve an informal internship of at least one summer in a computer-oriented laboratory within the University or at other computing facilities when deemed appropriate by the departmental advisor. In addition, students are encouraged to apply for [co-op programs](#) throughout the country. Students are eligible for internships and co-op opportunities after completion of at least three semesters of course work or in special instances upon recommendation of the advisor.

## **SCHOOL OF ARCHITECTURE**

<http://www.howard.edu/ceacs/departments/architecture/>

The School of Architecture and Design at Howard University, with a tradition of excellence in Design offers academic programs and opportunities through lectures/seminars and the studio/laboratory experiences. Within the School of Architecture and Design, emphasis is placed on instruction, research/scholarly activities and activist community service. These are directed toward the development and nurturing of problem solving abilities, creative/critical thinking skills and professional expertise. The ultimate application of these is directed towards the preservation and enhancement of the environment through architecture, design and planning. The primary mission of the School is to provide professional design leadership in all sectors and at all levels of society through its professional Architecture degree offerings.

The Department of Architecture offers a program of study leading to the five-year Bachelor of Architecture (B.Arch.) professional degree accredited by the National Architectural Accreditation Board (NAAB). The program places emphasis on student competence in the following pragmatic areas: design, inquiry/research, architectural history and theory, human behavior and environment, technical systems, computer usage and professional practice. Study in these areas provides the student with fundamental design and communication skills through critical thinking, conflict resolution, visual literacy, knowledge of forces that shape and influence societal and human affairs and the impact of new technologies in an ever-changing world test.

The Design Studio serves as the core synthesizing forum of the program for design and social and human behavior concerns, response to the physical environment, the ethical responsibility for ecologically sustainable design, and the cultural context in which architecture is developed. These and other issues are addressed as an interrelated whole, both horizontally and vertically in the curriculum. The department believes that architecture and design are rigorous acts of creativity, research and scholarship and encourages a pluralistic intellectual environment in which diverse ideas can be investigated and tested.

In the undergraduate program, emphasis is placed on student competence in design inquiry/research, architectural history, human behavior and environment, technical systems, computer usage, professional practice and complemented by elective courses in general/liberal education-- natural sciences, humanities and social sciences. Awareness of these areas provides the student with fundamental communication skills through critical thinking, conflict resolution, visual literacy and the knowledge of forces that shape magnificence societal and human affairs, as well as the impact of new technologies in an ever-changing world.

Students seeking the Bachelor of Architecture degree must complete a minimum of 171 credits. The general and detailed curriculum is shown below with credits on the right. Follow the linked course titles for a description of the course.

## Admissions

- Students may be eligible for admission by presenting acceptable secondary school records which should include the following: 3 units of English; 3 1/2 units of mathematics within 1 1/2 to 2 in algebra; 1 in plane geometry and trigonometry; 1 unit in a foreign language, and 5 units in any academic courses counted toward graduation preferably in solid geometry, physics and chemistry.
- All applicants must take the Scholastic Aptitude Test (SAT) and achieve a score of 500 in the verbal section and 550 in the mathematics section or 22 on the ACT equivalent.
- Preference will be given to applicants who rank in the upper one-third of their graduating class and have achieved a grade of C or better in the recommended high school courses.
- A portfolio is required.

## Creative Work Component

- Applicants are required to submit a minimum of one and a maximum of three examples of creative expression in graphic, written or audiovisual form.
- **Graphic Submissions** of drawings, painting, renderings, photographs, models, sculpture, etc. should be no larger than 11 x 17 in size. We suggest good quality reproductions be sent rather than originals or slides.
- **Written submissions** may be in the form of a 400-word essay describing a creative activity in which you have been involved. Alternatively, you may submit examples of creative writing in any form.
- **Audiovisual submissions**, though the entire work may be longer, should be able to present the listener/viewer with an understanding of the scope of the work in less than five minutes. Submissions may be in the form of audio cassettes or VHS video cassettes. The work may record a creative activity in progress or after completion or be a creative entity unto itself.

## International Students

Admission requirements for international students are the same as for non-international students with the exception that all international applicants including those from U.S. institutions must submit evidence of having passed the Test of English as a Foreign Language (TOEFL) with a cumulative score of 550 or better.

## Transfer Students

Undergraduate applicants from accredited institutions that have completed a minimum to two full semesters of college work with a cumulative 2.5 GPA or better may be considered for admission. Transfer applicants are required to submit a portfolio of creative work for review and two letters of recommendation, one of which must be from a design professional.

To obtain information on applications, tuition, financial aid, or housing, visit the web site for the College of Engineering, Architecture and Computer Sciences (CEACS) Office of Student Services. Prospective students are encouraged to visit our campus and meet with our faculty and students.

## COLLEGE OF NURSING & ALLIED HEALTH SCIENCES

### COLLEGE OF NURSING AND ALLIED HEALTH SCIENCES

#### Programs and Degrees Offered

The College of Nursing and Allied Health Sciences is comprised to two divisions—Nursing and Allied Health Sciences. Each division offers programs leading to professional degrees at the bachelor's level. The chief administrator for the College is the dean. All programs hold specialized accreditation from organizations in their respective fields.

#### Division of Nursing

The Undergraduate Nursing Program has three (3) tracks for pursuing study for the Bachelor of Science in Nursing Degree. They include:

- **A Basic Track**, sequenced over four (4) academic years
- **RN to BSN Track**, sequenced over one year for associate degree and diploma nurses; and
- **A LPN to BSN Track**, generally sequenced over a period of two (2) years.

### **Division of Allied Health Sciences**

Bachelor of Science Degree Programs:

- Clinical Laboratory Science
- Health Science with emphasis in Health Management and Pre-Physical Therapy
- Nutritional Sciences
- Physician Assistant
- Radiation Therapy

Certificate Programs:

- Certificate of Verification Dietetics

### **DIVISION OF NURSING**

The Howard University Division of Nursing, while cognizant of the nature of society and the health care delivery system, develops students at the bachelor's and master's level who can effectively and efficiently address the diverse and complex health care needs of society. The Division of Nursing was established in 1969 with a program of studies leading to the bachelor's degree in nursing. The Division of Nursing also offers the Master of Science Degree in Nursing and a Post-Master's Certificate for Family Nurse Practitioner.

The Bachelor of Science program offers a balanced curriculum including courses in the liberal arts, the sciences, the humanities, and nursing. The majority of the nursing courses are concentrated in the junior and senior years and involve classroom and clinical learning experiences in hospitals, long-term care facilities, homeless shelters, patients' homes and other community-based settings. Students in the Bachelor's Degree program develop competencies in the care of adults, children, child-bearing families and the elderly. A theoretical base for nursing practice is laid early in the program and students grow in their ability to apply theory in developing systems of care for patients. Course work and practical application in management/leadership and research enhance the student's ability to think creatively, critically and to solve problems.

An R.N. track within the bachelor's degree program was initiated during the 1988-89 academic year. This track allows the R.N. with an associate degree or diploma to receive credit for prior nursing and science courses through a variety of validation procedures. Registered nurses from local associate degree nursing programs within the past five years may receive a minimum of 60 transfer credits towards the Bachelor of Science Degree. No validation testing is required for articulated students.

A 22-month Advanced Placement Program is also a part of undergraduate level studies for students with previously earned degrees in areas other than nursing and/or a significant number of credits in specific course areas. This program expedites students' progression in nursing. The undergraduate curriculum emphasizes critical thinking and problem solving, health promotion and prevention, community-based interventions, and the general climate of the evolving health care delivery system.

The diversity of the Washington, D.C. community provides students with a variety of learning opportunities and challenges. The Division of Nursing has adopted the issues of homelessness and care of the elderly as emphases within both the undergraduate and graduate curricula as well as rallying points for community service by faculty, students and staff. The Division of Nursing has also expanded in the realm of international nursing. There has been significant involvement in consultation, instruction and curriculum development in some of the developing African countries.

### **Accreditation**

The Division of Nursing is accredited by the Commission of Collegiate Nursing Education (CCNE), One Dupont Circle, NW, Suite 530, Washington, DC 20036, 202.887.6791, <http://www.aacn.nche.edu/ccne-accreditation>.

## **DIVISION OF ALLIED HEALTH SCIENCES**

Accredited baccalaureate degree programs offered in this division include Clinical Laboratory Sciences, Health Sciences Management, and Nutritional Sciences, Physician Assistant, and Radiation Therapy. Graduate degree programs offered include Nutritional Science, Occupational Therapy and Physical Therapy. Only Nutritional Sciences and Physical Therapy offer the doctorate degree programs. This division provides opportunities and promotes health care leadership experiences, community based initiatives, student- faculty research, cultural diversity, inter-professional and international collaboration.

Howard University has graduated more than 2800 allied health professionals since 1974. Many of the division's graduates are excellent health care providers, researchers, educators, policy makers, and administrators in the U.S., Caribbean and Africa. Graduates have been recognized for their scholarship and contributions to community and public service. Many of the Allied Health faculty members are leaders within their professions and serve as role models and mentors for their students.

A career in allied health sciences is an outstanding career decision. As the largest contributor to the health care work force, the employment outlook for allied health through the year 2020 is excellent. The 2013-2014 Occupational Outlook Handbook published by the U.S. Bureau of Labor Statistics projects that between 2010 and 2020 the demand for the Division's professions will increase by 11% for clinical laboratory scientists, 22% for health service managers, 20% for dietitians and nutritionists, 33% for occupational therapists, 39% for both physical therapists and physician assistants, and 20% for radiation therapists. Two thousand and twelve median national salaries for these professions ranged from \$53,250 to \$93,000.

### **CLINICAL LABORATORY SCIENCE PROGRAM**

Clinical laboratory scientists provide rapid access to laboratory test results that are critical for the diagnostic and treatment decisions necessary for the delivery of quality healthcare. A degree in Clinical Laboratory Science prepares graduates for employment opportunities in clinical, veterinary, and forensic laboratories; biotechnology and pharmaceutical industries; management, marketing, and biomedical sales. Clinical Laboratory Scientists (Medical Technologists), including graduates of Howard University, are employed nationally in the following settings:

- Hospital Laboratories
- Physician Office Laboratories
- Food and Drug Administration (FDA)
- Centers for Disease Control and Prevention
- Public Health Laboratories
- The National Institutes of Health (NIH)
- The Red Cross
- Bioterrorism Laboratories
- Traveling Technologists

Clinical Laboratory Science is also an excellent alternative to degrees in biology and chemistry for those students who plan to pursue post-graduate studies in Medicine, Dentistry, Biomedical Sciences or Public Health.

The program at Howard University is a fully accredited (NAACLS) four year BS degree program. The curriculum includes science and general education courses in Biology, Chemistry, Mathematics, English, and the Social /Behavioral Sciences taken at the freshman and sophomore level. These courses can be also transferred from accredited universities or community colleges.

Specialized Clinical Laboratory Science courses taken during the program are taught by experienced nationally certified faculty. In the final year of the program, students complete their clinical practicums at accredited clinical laboratories in the Washington, DC – Metropolitan area. Graduates of the program are eligible to sit for national certification examinations.

#### **Department of Clinical Laboratory Science Goals:**

- Provide an educational experience of the highest standard in clinical laboratory science

- Prepare highly skilled laboratory scientists who are committed to lifelong learning and eminently capable of contributing to the delivery of quality health care
- Instill values of professional responsibility, ethical conduct and compassionate concern for those we serve.

### **Accreditation**

The Clinical Laboratory Sciences Program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), 5600 N. River Road, Suite 720, Rosemont, IL 60018-5119, 847.939.3597, [www.naacls.org](http://www.naacls.org).

## **HEALTH MANAGEMENT SCIENCES PROGRAM**

The Health Management Sciences Program is located in the Department of Health Sciences and Management of the Division of Allied Health Sciences, College of Nursing and Allied Health Sciences, Howard University. The program offers the Bachelor of Sciences in Health Science, which is designed to prepare students to perform management roles and achieve lifelong career in a wide variety of organizations that deliver health care services, as well as pursue graduate education nationally and internationally.

### **Certification**

The Howard University Health Management Sciences Program has full certification and is a full member of the American University Programs in Health Administration (AUPHA). AUPHA is a non-profit organization that accredits and certifies Health Administration Programs located in Schools of Allied Health Sciences and the United States.

### **Internship**

Students enrolled in the Health Management Sciences Program are expected to complete at least one required semester of internship in an appropriate health care setting. The current required three (3) credit hours of 120 internship clock hours per semester for internship for students enrolled effective Fall 2012 will continue. Additional three (3) credit hours of 120 internship clock hours for subsequently Spring semester each academic year will be offered as elective. The interns of both semesters will be able to rotate for 8 hours per day as divided by the number of semester weeks during which the student is enrolled in the Program. The internship coordinator of Health Management Program, supervisors and preceptors of units and departments will determine the work schedules, hours and regular attendance of the interns at the internship settings.

## **DEPARTMENT OF NUTRITIONAL SCIENCES**

The Department of Nutritional Sciences is a part of the Division of Allied Health Sciences which is located in the College of Nursing and Allied Health Sciences. The Department provides challenging educational programs for our students. The Department of Nutritional Sciences offers the Bachelor of Science Degree in Nutritional Sciences. The course of study provides a basic core for all students in the program and yet offers flexibility for pursuing career goals. The curriculum allows students to complete the general education and basic science courses in the first two years. During the last two years, students, along with their advisors, select courses, which prepare them to become dietitians or nutritionist. The Bachelor of Science Degree is offered with emphases in Community Nutrition, Human Nutrition and Food, and the fully accredited Coordinated *Undergraduate Program in Dietetics*. The department also offers a three semester verification program for individuals to complete the practicum requirement for dietetic registration. More than three semesters may be needed to complete the verification program if the student needs to take additional courses.

Many students use this foundation at the Bachelor's level to prepare for further graduate/professional study in nutrition, medicine, and dentistry. Many of our graduates are employed as health care providers, researchers, educators, policy makers and administrators locally, nationally and internationally.

### **Accreditation**

The Coordinated Dietetics Program is accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND) the accrediting agency for the Academy of Nutrition and Dietetics, 120 South Riverside Plaza, Suite 2000, Chicago, IL 60606, 312.899.0040, ext.5400, [www.eatright.org/acend](http://www.eatright.org/acend).

## **PHYSICIAN ASSISTANT (PA) PROGRAM**

Howard University Physician Assistant (PA) Department has served as an integral component in the PA educational arena by its unique position of being based at a Historically Black University. Through the decades of PA education, the

department has served as a leader in providing access for minority students to the profession. The students in turn, have worked in underserved populations to address the needs of underserved communities, one of the founding principles of the profession. Howard University remains at the forefront locally and nationally in providing access for minority students to the profession.

The mission of the Howard University Physician Assistant Program is to recruit and prepare compassionate and competent physician assistants with expertise in clinical decision-making, problem solving, and research for the enhancement of the health of the public and the advancement of the profession on local, national, and international levels. The program promotes critical thinking, self-inquiry, active learning and service within the context of responsible and ethical behavior. In addition, the program provides an educational experience of exceptional quality to students of high academic potential with particular emphasis upon the provision of educational opportunities to promising Black students and other ethnically diverse minority students. Further, the Program is dedicated to attracting and sustaining a cadre of faculty who are through their teaching and research, committed to the development of health care professionals and to the quest for solutions for delivery of quality health care in the United States and abroad.

### **Admission Requirements**

To become accepted to the upper division of the Bachelor of Science program in Physician Assistant, students must apply for admission consideration. Students considered for admissions fulfill the following requirements:

- Possess an overall cumulative GPA of 2.8/4.0 in all required prerequisite college courses, with no grade below "C"
- Possess a math and science cumulative GPA of 2.8
- Successfully complete pre-professional course work, as specified
- Submit three letters of professional recommendation
- Submit a statement of Reason for Professional Career Choice (1-2 pages)
- Health care experience is highly recommended for all applicants
- 100 hours of clinical observation and/or clinical volunteer service
- Science and Math prerequisite courses must have been taken within the last seven (7) years

### **Application Process**

The Howard PA program subscribes to the CASPA. Applicants need to apply online using the CASPA application at <https://portal.caspaonline.org/>. You will also need to complete the Howard University Supplemental Application with Howard University Office of Enrollment Management/Undergraduate Admissions. <http://www.howard.edu/enrollment/admission/undergraduate.htm>

### **Timeframe For Program Completion**

The timeframe for completion of Physician Assistant program at Howard is 2.5 years, which includes all didactic coursework, examinations and clerkship experiences. Students are required to complete all didactic coursework before beginning their clinical clerkship.

### **Transfer Credits**

- Credits from other universities or colleges cannot be transferred to the Upper Division of the Physician Assistant program at Howard University.
- Holders of undergraduate degrees must complete all prerequisite courses for acceptance to the Physician Assistant Bachelor of Science program.
- Applicants who have prerequisite courses to complete may apply to the Physician Assistant program. However, at the time of application, such applicants cannot have more than 15 outstanding credits. All outstanding credits must be completed before entering into the PA program.

### **Clinical Rotations**

Students in the PA program can express their interests in specified sites, but the final decision rests with the faculty based on the determination of the best fit for the student. Students are placed in settings, locally, nationally, and internationally, but are responsible for their own transportation, housing and maintenance (including meals).

### **Full-Time Enrollment Requirement**

The PA program is a full-time program. The final year consists of a twelve months of clinical experience.

### **Accreditation**

The Howard University Physician Assistant Program is accredited by the Accreditation Review Commission on Education for the Physician Assistant (ARC-PA), 12000 Findley Road, Suite 150, Johns Creek, Georgia GA 30097, [www.arc-pa.org](http://www.arc-pa.org).

## RADIATION THERAPY PROGRAM

Radiation therapy utilizes radiation and radioactive isotopes in the treatment of disease, primarily cancer. The radiation therapists provide services for treatment of malignant and non-malignant disease. They are responsible for localizing the tumor, implementing the treatment plan, observing and evaluating clinical progress of the patient.

The therapists are also responsible for safe operation of high tech, high-energy radiation -producing equipment; and assisting in the preparation and administration of different types of radioactive material used for therapeutic purposes. The radiation therapists are professionals who not only possess superior clinical skills, but strong academic and theoretical knowledge as well. The clinical education phase of the program is designed to reinforce didactic information as it relates to clinical procedures. It is expected that through this effort, greater cohesion can be achieved between the two learning environments, thereby facilitating a greater transfer of knowledge between them.

### Degree Program

The four-year integrated academic and clinical program has two divisions. The Lower Division includes the first and second years where students complete general education requirements. Individuals who successfully complete all Lower Division requirements are eligible to apply for admission into the Upper Division. The Upper Division includes didactic courses as well as a clinical education component throughout the third and fourth years. The clinical education phase of the program is designed to reinforce didactic information as it relates to clinical procedures. It is expected that through this effort, greater cohesion can be achieved between the two learning environments, thereby facilitating a greater transfer of knowledge between them. During clinical education, students have an opportunity to receive practical experience at prestigious affiliating hospitals.

### Accreditation

The Radiation Therapy Program is accredited by the Joint Review Committee on Education in Radiologic Technology, 20 N. Wacker Drive, Suite 2850, Chicago, IL 60606; 312.704.5300: [www.jrcert.org](http://www.jrcert.org). At its May 2013 meeting, the Joint Review Committee on Education in Radiologic Technology (JRCERT) voted to place the Howard University Radiation Therapy Program on probation until its next comprehensive review in September 2014. Accreditation–Probation is a temporary status of accreditation conferred when a program does not meet the *Standards* and when the capability of the program to provide an acceptable educational experience for its students is threatened. Specific questions regarding the program and its plans regarding probation should be directed to Ms. Adrienne Harrison, M. S., R. T. (T), Program Director at 202-806-5920.

### Admissions

#### Lower Division

Students must meet Howard University's [general admission requirements](#).

- Cumulative grade point average of 2.8 on a 4.0 scale
- Submission of program application forms and official transcript(s) by February 15th
- Background Screening and Assessment Examination

#### Upper Division

Students should request the program application package from the Department of Radiation Therapy. Requirements include:

***The completed application package must include:***

- [Completed Upper Division Application Form](#)
- Attain a minimum grade point average of 2.8 on a 4.0 scale
- Statement of Interest and Goals; Biographical Sketch
- Three Recommendation Forms and Personal Interview

#### Technical Standards for Admissions

Individuals with disabilities will be individually considered on the basis of their ability. Reasonable accommodation for disabled students will be provided as required by law. NOTE: Should you desire to arrange for a disability accommodation in conjunction with completing the application process, please contact Dr. Elaine Bourne Heath, Special Student Services, (202) 238-2420.



**School of Business**

Undergraduate Curriculum Guide for B.B.A. Degree in Accounting

IMPORTANT: \*A grade of "C" or better must be earned in each of the two required math courses in order to fulfill the math requirement and in order to enroll in each and every school of business junior-level and senior-level course. Only 3 credit hours will be awarded for each required math course.

**Freshman Year (33 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b>Course #</b>	<b>Course Name</b>	<b>Credit</b>	<b>Course #</b>	<b>Course Name</b>	<b>Credit</b>
<b>Hrs</b>			<b>Hrs</b>		
<b>ENGW</b>	Freshman English	3	<b>ENGW</b>	Freshman English	3
<b>MATH 010</b>	College Algebra II*		<b>MATH 026</b>	Applied Calculus*	4
4			<b>PSYC050</b>	Intro to Psychology	3
<b>INFO 010</b>	Business Problem Solving	2	<b>MGMT 011</b>	Business Orientation II	1
<b>MGMT 010</b>	Business Orientation	1	<b>HIST/POLS</b>	History or Poli. Sci. Elective	3
	Afro-American Elective	3		Foreign Language (Level 2+)	3
	Foreign Language	3	<b>Total</b>		
<b>Total</b>		<b>16</b>	<b>17</b>		

**Sophomore Year (30 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b>Course #</b>	<b>Course Name</b>	<b>Credit</b>	<b>Course #</b>	<b>Course Name</b>	<b>Credit</b>
<b>Hrs</b>			<b>Hrs</b>		
<b>ACCT 201</b>	Accounting Principles I	3	<b>ACCT 202</b>	Accounting Principles II	3
<b>ECON 001</b>	Principles of Economics I	3	<b>ECON 002</b>	Principles of Economics II	3
<b>COMC 101</b>	Principles of Speech	3	<b>ECON 180</b>	Statistics – Bus. & Economics	3
<b>INFO 204</b>	Management Info Systems	3	<b>BCOM 320</b>	Business Communication	3
<b>HHPL</b>	Physical Education	1	<b>HHPL</b>	Physical Education	1
<b>MGMT 001</b>	Career Counseling		<b>Total</b>		
1			<b>13</b>		
	Science Elective	3			
<b>Total</b>		<b>16</b>			

**Junior Year (30 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b>Course #</b>	<b>Course Name</b>	<b>Credit</b>	<b>Course #</b>	<b>Course Name</b>	<b>Credit</b>
<b>Hrs</b>			<b>Hrs</b>		
<b>ACCT 310</b>	Intermediate Accounting I	3	<b>ACCT 311</b>	Intermediate Accounting II	3
<b>ACCT 350</b>	Accounting Info Systems	3	<b>ACCT 320</b>	Cost Accounting I	3
<b>INFO 311</b>	Quantitative Bus. Analysis	3	<b>MKTG 301</b>	Principles of Marketing	3
<b>MGMT 301</b>	Management & Org. Behavior	3	<b>BLAW 305</b>	Business Law I	3
<b>ENGL</b>	Literature Elective	3	<b>FINA 311</b>	Finance Principles	3
<b>Total</b>		<b>15</b>	<b>Total</b>		
			<b>15</b>		

**Senior Year (27 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b>Course #</b>	<b>Course Name</b>	<b>Credit</b>	<b>Course #</b>	<b>Course Name</b>	<b>Credit</b>
<b>Hrs</b>			<b>Hrs</b>		
<b>ACCT 318</b>	Tax Principles & Procedures	3	<b>ACCT</b>	Accounting Elective	3
<b>ACCT 340</b>	Auditing I	3	<b>MGMT 390</b>	Business Policy	3
<b>MGMT 351</b>	Entrepreneurship	3	<b>Total</b>		
<b>BEEN 330</b>	Managerial Economics	3	<b>12</b>		
<b>INFO 335</b>	Production & Operations Mgmt.	3			
<b>Total</b>		<b>15</b>			

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit</b>
<b>Hrs</b>		
<b>ACCT 330</b>	Advanced Accounting	3
<b>ACCT</b>	Accounting Elective	3

**College of Arts & Sciences**  
Undergraduate Curriculum Guide for the Administration of Justice Major (B.A)

**Freshman Year (29 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b>Course #</b>	<b>Course Name</b>	<b>Credit</b>	<b>Course #</b>	<b>Course Name</b>	<b>Credit</b>
<b>Hrs</b>			<b>Hrs</b>		
ENGW	Freshman Composition	3	ENGW	Freshman Composition	3
FRSM 001	Freshman Seminar	1	DIV. A	Divisional	3
DIV. A	Divisional	3	DIV. B	Divisional	3
DIV. D	Divisional	3	DIV. D	Divisional	3
	Foreign Language	3		Foreign Language	3
				Physical Education	1
<b>Total</b>		<b>13</b>	<b>Total</b>		<b>16</b>

**Sophomore Year (32 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b>Course #</b>	<b>Course Name</b>	<b>Credit</b>	<b>Course #</b>	<b>Course Name</b>	<b>Credit</b>
<b>Hrs</b>			<b>Hrs</b>		
MATH 006	College Algebra I	3	PHIL	Philosophy	3
ENGL	Writing Course	3	MATH 007	Pre-Calculus	4
DIV. A	Divisional	3	DIV. A	Divisional	3
DIV. B	African American Cluster	3		General Elective	3
	Foreign Language	3		Foreign Language	3
	Physical Education	1			
<b>Total</b>		<b>16</b>	<b>Total</b>		<b>16</b>

**Junior Year (31 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b>Course #</b>	<b>Course Name</b>	<b>Credit</b>	<b>Course #</b>	<b>Course Name</b>	<b>Credit</b>
<b>Hrs</b>			<b>Hrs</b>		
SOCI 001	Intro to Sociology	3	SOCI 170	Principles of Crim. Justice	3
SLMC 101	Principles of Speech	3	SOCI 111	Sociological Methods	3
SOCI 070	Criminology	3	SOCI 074	Corrections	3
SOCI 110	Elementary Statistics	3		General Elective	3
	Minor Course	3		Minor Elective	3
				Physical Education	1
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>16</b>

**Senior Year (28 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b>Course #</b>	<b>Course Name</b>	<b>Credit</b>	<b>Course #</b>	<b>Course Name</b>	<b>Credit</b>
<b>Hrs</b>			<b>Hrs</b>		
SOCI 079	Internship	3	SOCI	AOJ Elective	3
SOCI	AOJ Elective	3		Minor Course	3
SOCI	AOJ Elective	3		General Elective	3
	Minor Course	3		General Elective	3
	Minor Course	3		General Elective	1
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>13</b>

**College of Arts & Sciences**  
Undergraduate Curriculum Guide for the African Studies Major (B.A.)

**Freshman Year (30 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
ENGW	Freshman English	3
FRSM 001	Freshman Orientation	1
MATH	Mathematics	3
AFST 101	African World	3
AFST 111	Afr. Systems of Thought	3
HHPL	Physical Education	1
<b>Total</b>		<b>14</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
ENGW	Freshman English	3
AFST 106	Found. To African Studies	3
DIV. B	African-American Cluster	3
DIV. A	Humanities Elective	3
	Foreign Language (African)	3
HHPL	Physical Education	1
<b>Total</b>		<b>16</b>

**Sophomore Year (31 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
AFST 105	Afr. Languages & Cultures	3
AFST 123	Women in Afr. Civ. & Cult.	3
AFST 156	Intro to African Literature	3
AFST 124	Globalization in Africa	3
DIV. D	Natural Science Elective	3
<b>Total</b>		<b>15</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
ENGL	English Writing Course	3
AFST 102	Science, Tech., and Development	3
AFST 157	AFST Elective	3
AFST 121	Environment & Society in Africa	3
	Foreign Language (African)	3
<b>Total</b>		<b>16</b>

**Junior Year (29 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
AFST 110	African Develop.	3
HIST	History Elective	3
CLAS	Classics Elective	3
MATH	Mathematics	4
	Minor Course	3
<b>Total</b>		<b>15</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
AFST 125	China & Africa	3
AFST 126	AIDS in Africa	3
POLS	Political Science	3
HHPL	Health Science	1
	Minor Concentration	3
<b>Total</b>		<b>14</b>

**Senior Year (30 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
AFST 013	AFST Elective	3
AFST 183	Internship	3
	Minor Concentration	3
	Minor Concentration	3
DIV. A	Humanities Elective	3
<b>Total</b>		<b>15</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
AFST 182	Seminar in Regional Studies	3
AFST 191	AFST Elective	3
	Minor Concentration	3
	Minor Concentration	3
SLMC 101	Principles of Speech	3
<b>Total</b>		<b>15</b>

**College of Arts & Sciences**

Undergraduate Curriculum Guide for the Afro-American Studies Major (B.A.)

**Freshman Year (31 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
ENGW	Freshman English	3
FRSM 001	Freshman Orientation	1
MATH	Mathematics	3
AFRO 005	Intro to Afro-Amer. Studies	3
	Foreign Language	3
HHPL	Physical Education	1
<b>Total</b>		<b>14</b>

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
ENGW	Freshman English	3
AFRO 006	Intro to Afro-Amer. Studies II	3
MATH	Mathematics	4
DIV. A	Humanities Elective	3
	Foreign Language	3
HHPL	Physical Education	1
<b>Total</b>		<b>17</b>

**Sophomore Year (30 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
AFRO	AFRO Course	3
DIV. D	Natural Science Elective	3
	Foreign Language	3
SLMC 101	Principles of Speech	3
DIV. B	Social Science Elective	3
<b>Total</b>		<b>15</b>

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
ENGL	English Writing Course	3
AFRO	AFRO Course	3
	Foreign Language	3
PHIL	Philosophy	3
DIV. A	Humanities Course	3
<b>Total</b>		<b>15</b>

**Junior Year (32 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
AFRO	AFRO Course	3
AFRO	AFRO Course	3
AFRO	Minor Concentration	3
	Social Science Course	3
DIV. A	Humanities Course	3
HHPL	Physical Education	1
<b>Total</b>		<b>16</b>

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
AFRO	AFRO Course	3
AFRO	AFRO Course	3
	Minor Concentration	3
DIV. D	Natural Science Course	3
	Afro-American Cluster	3
HHPL	Physical Education	1
<b>Total</b>		<b>16</b>

**Senior Year (27 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
AFRO 175	Preparation for Practicum	3
	Minor Concentration	3
	Minor Concentration	3
	General Elective	3
DIV. C	Social Science Elective	3

**Total 15**

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
AFRO 176	Practicum Fieldwork	6
	Minor Concentration	3
	General Elective	3
<b>Total</b>		<b>12</b>

**College of Engineering, Architecture & Computer Sciences**  
Undergraduate Curriculum Guide for the Bachelor of Architecture Degree

**Freshman Year (33 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
ENGL 002	Freshman English	3
ARCH 003	Environment/Arch.	3
ARCH 150	Design Comm. I	3
MATH 006	College Algebra I	3
	General Elective	3
HHPL	Physical Education	1
<b>Total</b>		<b>16</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
ENGL 003	Freshman English	3
MATH 007	Pre-Calculus	4
ARCH 011	Elements of Architecture	3
ARCH 151	Des. Comm. II	3
	General Elective	3
HHPL	Physical Education	1
<b>Total</b>		<b>17</b>

**Sophomore Year (35 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
ARCH 199	Design I	6
ARCH 301	Architectural Hist. Survey I	3
ARCH 401	Materials & Methods I	3
PHYS 008	Physics for Architects	5
<b>Total</b>		<b>17</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
ARCH 200	Design II	6
ARCH 302	Architectural Hist. Survey II	3
ARCH 402	Materials and Methods II	3
ARCH 511	Computer App. In Architecture	3
	Liberal Arts	3
<b>Total</b>		<b>18</b>

**Lower Junior Year (36 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
ARCH 201	Design III	6
ARCH 521	Environmental Systems I	3
ARCH 501	Structures I	3
ARCH 901	Programming	3
	Professional Elective (Arch. Hist.)	3
<b>Total</b>		<b>18</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
ARCH 202	Design IV	6
ARCH 651	Principle of Urban Design	3
ARCH 522	Environmental Systems II	3
ARCH 502	Structures II	3
	Professional Elective (Arch. Hist.)	3
<b>Total</b>		<b>18</b>

**Upper Junior Year (34 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
ARCH 203	Design V	6
ARCH 951	Construction Documents	3
	Professional Elective (Arch. Hist.)	3
	Professional Elective (Structures)	3
	Liberal Arts	2
<b>Total</b>		<b>17</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
ARCH 204	Design VI	6
ARCH 701	Public Issues & Architecture	3
	Professional Elective (Environment)	3
	Professional Elective	3
	Liberal Arts	3
<b>Total</b>		<b>17</b>

**Senior (5<sup>th</sup>) Year (33 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
ARCH 205	Design VII	6
ARCH 891	Thesis Prep	3
	Professional Elective (Tech)	3
	Professional Elective	3
	Professional Elective	3
<b>Total</b>		<b>18</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
ARCH 206	Design VIII (Thesis)	6
ARCH 751	Professional Practice	3
	Professional Elective	3
	Liberal Studies Elective	3
<b>Total</b>		<b>15</b>

**Second Semester**

**College of Arts & Sciences**  
Undergraduate Curriculum Guide for the Art History Major (B.A.)

**Freshman Year (31 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
ENGL 002	Freshman English	3
FRSM 001	Freshman Orientation	1
ARTF 087	Two-Dimensional Concepts I	3
ARTF 089	Three-Dimensional Concepts I	3
ARTH 164	Survey of Visual Arts I	3
	Foreign Language	3
<b>Total</b>		<b>16</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
ENGL 003	Freshman English	3
ARTP 050	Intro to Photography	3
ARTH 165	Intro to Art History	3
	Foreign Language	3
HIST 005	Black Diaspora	3
<b>Total</b>		<b>15</b>

**Sophomore Year (36 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
ARTP 031	Printmaking	3
ARTH 181	Research Methods in Art History	3
ARTH 188	Survey of African Art	3
ARTH 178	African American Art I	3
	Foreign Language	3
	Div. B Liberal Arts	3
<b>Total</b>		<b>18</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
	Computer in the Arts	3
ARTH 172/3	West or East & Central African Art	3
ARTH 179	African American Art II	3
	Art Elective	3
	Foreign Language	3
	Div. B Liberal Arts	3
<b>Total</b>		<b>18</b>

**Junior Year (30 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
	Intro to Music or Theater	3
	Div. D Liberal Arts	3
ARTH	Art History Elective	3
ARTH	Art History Elective	3
ARTH 170	Modern Art History I	3
<b>Total</b>		<b>15</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
	Intro to Music or Theatre	3
ARTH	Art History Elective	3
ARTH 189	Trends & Ideas in Af-Amer. Art	3
ARTH 171	Modern Art History II	3
ARTH	Art History Elective	3
<b>Total</b>		<b>15</b>

**Senior Year (24-30 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SLMC 101	Principles of Speech	3
	Univ. Elective or Art History Elect.	3
ARTH	Art History Elective	3
ARTH	Internship	3-6
<b>Total</b>		<b>12-15</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
ARTH	Art History Seminar	3-6
	Fine Arts Elective	3
	University Elective	3
ARTH	Art History Elective	3
<b>Total</b>		<b>12-15</b>

**College of Arts & Sciences**  
Undergraduate Curriculum Guide for B.F.A in Art-Ceramics Concentration

**Freshman Year (37 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
ARTF 087	Two-Dimensional Concepts I	3	ARTF 088	Two-Dimensional Concepts II	3
ARTF 089	Three-Dimensional Concepts I	3	ARTF 090	Three-Dimensional Concepts II	3
ARTF 001	Drawing I	3	ARTF 002	Drawing II	3
ARTH 164	Survey of Visual Art	3	ARTH 165	Intro to Art History	3
MUTP 100	Blacks in the Arts	3	ENGL 003	Freshman English	3
ENGL 002	Freshman English	3	ARTP 050	Basic Photography	3
FAOR 001	Freshman Orientation	1			
<b>Total</b>			<b>Total</b>		
<b>19</b>			<b>18</b>		

**Second Semester**

**Sophomore Year (36 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
ARTF 121	Ceramics I	3	ARTF 122	Ceramics II	3
ARTF 033	Drawing III	3	ARTF 031	Printmaking I	3
	Art Elective	3	ARTF004	Drawing IV	3
ARTF 114	Computer in the Arts	3	Div. B	Liberal Arts	3
ARTF 011	Painting I	3	Div. D	Liberal Arts	3
Div. B	Liberal Arts	3		Art Elective	3
<b>Total</b>			<b>Total</b>		
<b>18</b>			<b>18</b>		

**Junior Year (30 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
ARTF 123	Ceramics III	3	ARTF 124	Ceramics IV	3
ARTF 125	Ceramics V	3	ARTF 126	Ceramics VI	3
ARTF 141	Sculpture I	3	ARTF 138	Ceramics Sculpture	3
ARTH 178	African American Art I	3	ARTX	Studio Elective	3
	Humanities Elective	3	ARTH 179	African American Art II	3
<b>Total</b>			<b>Total</b>		
<b>15</b>			<b>15</b>		

**Senior Year (27 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
ARTF 129	Ceramics IX	3	ARTF 130	Ceramics X	3
ARTF 128	Ceramics VIII	3	ARTF 137	Ceramics Sculpture Workshop	3
	Studio Elective	3		Art Elective	3
	Art Elective	3		University Elective	3
	Speech	3			
<b>Total</b>			<b>Total</b>		
<b>15</b>			<b>12</b>		

**College of Arts & Sciences**  
Undergraduate Curriculum Guide for B.F.A in Art-Design Concentration

**Freshman Year (30 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
ENGL 002	Freshman English	3
ARTF 087	Two-Dimensional Concepts I	3
ARTF 089	Three-Dimensional Concepts I	3
ARTF 001	Drawing I	3
ARTH 164	Survey of Visual Arts I	3
<b>Total</b>		<b>15</b>

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
ENGL 003	Freshman English	3
ARTF 088	Two Dimensional Concepts II	3
ARTF 090	Three Dimensional Concepts II	3
ARTF 002	Drawing II	3
ARTH 165	Intro to Art History	3
<b>Total</b>		<b>15</b>

**Sophomore Year (33 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
ARTD 108	Typography I	3
ARTR 003	Drawing III	3
ARTP 050	Basic Photography	3
	Div. D Liberal Arts	3
	Div. B Liberal Arts	3
	Art Elective	3
<b>Total</b>		<b>18</b>

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
ARTD 109	Typography II	3
	Intermediate Photography	3
	Div. B Liberal Arts	3
ARTR 004	Drawing IV	3
	Intro to Digital Design	3
<b>Total</b>		<b>15</b>

**Junior Year (36-39 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
ARTD 106	Design for Advertising I	3
ARTD 109	Reproduction & Techniques	3
	Digital Design I	3
ARTH 178	African American Art	3
	Digital Imaging for Photographers	3
	Design Internship	3-6
<b>Total</b>		<b>18-21</b>

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
ARTD 107	Design for Advertising II	3
ARTD 114	Illustration	3
	Digital Design II	3
ARTA 001	Painting I	3
ARTH 179	African American Art II	3
	University Elective	3
<b>Total</b>		<b>18</b>

**Senior Year (30 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
ARTD 110	Magazine & Newspaper Design I	3
	Studio Problems in Design	3
	Web. Dev. & Interactive Media	3
COMC 101	Principles of Speech	3
ARTD 112	Production & Portfolio Tech. I	3
<b>Total</b>		<b>15</b>

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
ARTD 113	Magazine & Newspaper Design II	3
	Digital Asset Management	3
	Art History Elective	3
	Production & Portfolio Tech. II	3
	Creative Business: Industry Prep. And Entrepreneurship	3
<b>Total</b>		<b>15</b>



**College of Arts & Sciences**

Undergraduate Curriculum Guide for the B.F.A in Art-Electronic Studio Concentration

**Freshman Year (37 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
ENGL 002	Freshman English	3
ARTF 087	Two-Dimensional Concepts I	3
ARTF 089	Three-Dimensional Concepts I	3
ARTF 001	Drawing I	3
	Survey of World Art	3
	Computer in the Arts	3
FRSM 001	Freshman Orientation	1
<b>Total</b>		<b>19</b>

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
ENGL 003	Freshman English	3
ARTF 088	Two Dimensional Concepts II	3
ARTF 090	Three Dimensional Concepts II	3
ARTF 002	Drawing II	3
ARTE 081	Desktop Publishing	3
	Survey of World Art II	3
<b>Total</b>		<b>18</b>

**Sophomore Year (36 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
ARTE 081	Presentation Graphics	3
ARTR 003	Drawing III	3
MUTP 100	Blacks in the Arts	3
	Div. D Liberal Arts	3
	Div. B Liberal Arts	3
ARTX 161	Experimental Studio I	3
<b>Total</b>		<b>18</b>

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
ARTE 083	Animation (2D)	3
ARTP 050	Intro to Photography	3
	Div. B Liberal Arts	3
ARTR 004	Drawing IV	3
	Graphic Design Elective	3
ARTX	Studio Elective	3
<b>Total</b>		<b>18</b>

**Junior Year (36-39 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
ARTE 086	Multimedia I	3
ARTE 084	Image Processing	3
ARTH 178	African American Art I	3
	Humanities Elective	3
	Div. D Liberal Arts	3
<b>Total</b>		<b>15</b>

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
ARTE 087	Multimedia II	3
	Digital Photography	3
ARTH 179	African American Art II	3
	Humanities Elective	3
	Art Elective	3
<b>Total</b>		<b>15</b>

**Senior Year (27-30 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
ARTE 088	Workshop in Comp. Graphics	3
ARTE 091	Independent Study I	3
ARTX	Studio Elective	3
	Speech	3
	University Elective	3
<b>Total</b>		<b>15</b>

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
ARTE 093	Internship	3-6
ARTE 092	Independent Study II	3
	University Elective	3
	Art Elective	3
<b>Total</b>		<b>12-15</b>

**College of Arts & Sciences**

Undergraduate Curriculum Guide for the B.F.A in Art-Fashion Design Concentration

**Freshman Year (34 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
ENGL 002	Freshman English	3
ARTF 087	Two-Dimensional Concepts I	3
ARTF 089	Three-Dimensional Concepts I	3
ARTF 001	Drawing I	3
FASD 100	Freshman Design Seminar	1
ARTD 103	History of Design I	3
<b>Total</b>		<b>16</b>

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
ENGL 003	Freshman English	3
ARTF 088	Two Dimensional Concepts II	3
ARTF 090	Three Dimensional Concepts II	3
ARTF 002	Drawing II	3
ARTH 165	Intro to Art History	3
ARTD 104	History of Design II	3
<b>Total</b>		<b>18</b>

**Sophomore Year (33 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
	Fashion Studio I –Begin. Constr.	3
	Intro to the Fashion Industry	3
	Textile Science w/ lab	3
	Fashion Illustration	3
	Sustainability	3
MATH 006	College Algebra I (or higher)	3
<b>Total</b>		<b>18</b>

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
ARTD 104	Intro to Digital Design	3
FASD	Fashion Studio II	3
FASD	Fashion Illustration II	3
FASD	Consumer Behavior	3
FASD	Fashion Trend Analysis	3
<b>Total</b>		<b>15</b>

**Junior Year (31-34 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
ARTP	Digital Photography	3
HHPL 102	Anatomy & Physiology	4
FASD	Fashion Studio III	3
FASD	History of Costume	3
	Sociology/Psychology	3
<b>Total</b>		<b>16</b>

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
ANTH 110	Cultural Anthropology	3
COMC 101	Speech	3
FASD	Fashion Studio IV	3
FASD	Practicum or Fieldwork	3-6
FASD	History of Costume II	3
<b>Total</b>		<b>15-18</b>

**Senior Year (24 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
ARTD 112	Production and Portfolio Tech. I	3
FASD	African American Dress	3
FASD	Fashion Studio IV	3
	Elective	3
<b>Total</b>		<b>12</b>

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
ARTD 125	Creative Business: Industry Prep/ Entrepreneurship	3
FASD	Senior Capstone	3
FASD	International Trade/Sourcing	3
	Fashion Brand Identity	3
<b>Total</b>		<b>12</b>

**College of Arts & Sciences**

Undergraduate Curriculum Guide for the B.F.A in Art-Interior Design Concentration

**Freshman Year (31 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
<b>ARTF 087</b>	Two-Dimensional Concepts I	3
<b>ARTF 089</b>	Three-Dimensional Concepts I	3
<b>ARTF 001</b>	Drawing I	3
<b>ARTH 164</b>	Survey of Visual Art	3
<b>INTD 097</b>	Design Seminar	1
<b>ENGL 002</b>	Freshman English	3
<b>Total</b>		<b>16</b>

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
<b>ARTF 088</b>	Two-Dimensional Concepts II	3
<b>ARTF 090</b>	Three-Dimensional Concepts II	3
<b>ARTF 002</b>	Drawing II	3
<b>ARTH 165</b>	Intro to Art History	3
<b>ENGL 003</b>	Freshman English	3
<b>Total</b>		<b>15</b>

**Sophomore Year (30 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
<b>INTD 098</b>	Environmental Factors of Interior Design	3
<b>INTD 100</b>	Intro. Design Communication	3
<b>INTD 103</b>	Survey of Architecture & Interior	3
<b>ARTD 104</b>	Intro. to Digital Design	3
<b>INTD 110</b>	Presentation Techniques	3
<b>Total</b>		<b>15</b>

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
<b>INTD 104</b>	Construction & Codes of Interior Spaces	3
<b>INTD 106</b>	CAD I	3
<b>INTD 109</b>	Materials & Interior Specification	3
<b>ARTD 115</b>	Digital Design I	3
<b>MATH 006</b>	College Algebra I	3
<b>Total</b>		<b>15</b>

**Junior Year (30 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
<b>INTD 107</b>	CAD II	3
<b>INTD 111</b>	Int. Des. I, Residential	3
<b>INTD 113</b>	Int. Des. II, Office	3
<b>INTD 116</b>	Light & Color of Interior Spaces	3
<b>COMC101</b>	Principles of Speech	3
<b>Total</b>		<b>15</b>

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
<b>MATH 010</b>	College Algebra II	3
<b>INTD 117</b>	Int. Des. III, Office Adv. Proj.	3
<b>INTD 118</b>	Int. Des. IV, Commercial Elective	3
<b>INTD 115</b>	Practicum in Interior Design	3
<b>Total</b>		<b>15</b>

**Second Semester**

**Senior Year (30 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
<b>INTD 120</b>	Int. Des. V, Institutional	3
<b>INTD 169</b>	Fieldwork in Interior Design	3
<b>ANTH 110</b>	Intro. to Cultural Anthropology	3
	Elective	3
<b>PSYC 050</b>	Intro to Psychology	3
<b>Total</b>		<b>15</b>

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
<b>INTD 121</b>	Int. Des. VI, Adv. Problems	3
<b>INTD 114</b>	Int. Des. Professional Practice	3
<b>INTD 122</b>	Sustainable Des. & Int. Environ.	3
<b>INTD 120</b>	Portfolio Dev. & Review	3
<b>ARTH 178</b>	African American Art I	3
<b>Total</b>		<b>15</b>

**College of Arts & Sciences**  
Undergraduate Curriculum Guide for the B.F.A in Art-Painting Concentration

**Freshman Year (37 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
ENGL 002	Freshman English	3	ENGL 003	Freshman English	3
FAOR 001	Freshman Orientation	1	ARTF 088	Two-Dimensional Concepts II	3
ARTF 087	Two-Dimensional Concepts I	3	ARTF 090	Three-Dimensional Concepts II	3
ARTF 089	Three-Dimensional Concepts I	3	ARTF 002	Drawing II	3
ARTF 001	Drawing I	3	ARTH 165	Intro to Art History	3
ARTH 164	Survey of Visual Art	3	ARTP 050	Basic Photography	3
MUTP 100	Blacks in the Arts	3			
<b>Total</b>		<b>19</b>	<b>Total</b>		<b>18</b>

**Sophomore Year (34 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
ARTA 011	Painting I	3	ARTA 012	Painting II	3
ARTR 003	Drawing III	3	ARTA 014	Painting IV	3
	Computers in the Arts	3		Div. B Liberal Arts	3
	Art Elective	3		Div. D	3
ARTP 031	Printmaking I	3	ARTR 004	Drawing IV	3
	Div. B Liberal Arts	3			
<b>Total</b>		<b>18</b>	<b>Total</b>		<b>16</b>

**Junior Year (30 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
ARTA	Painting V	3	ARTA	Painting VI	3
ARTH 178	African American Art I	3	ARTH 179	African American Art II	3
	Humanities Elective	3		University Elective	3
ARTX	Studio Elective	3	ARTA	Mixed Media Painting	3
	Intro to Photography	3		Humanities Elective	3
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>15</b>

**Senior Year (24 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
ARTA	Painting Elective	3	ARTA	Painting Elective	3
ARTX	Studio Elective	3	ARTA	Art in Public Places	3
	History of Art Elective	3		Or Social Painting I	3
COMC 101	Speech	3	ARTX	Studio Elective	3
				Art Elective	3
<b>Total</b>		<b>12</b>	<b>Total</b>		<b>12</b>

**College of Arts & Sciences**

Undergraduate Curriculum Guide for the B.F.A in Art-Photography Concentration

**Freshman Year (37 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
<b>ARTF 087</b>	Two-Dimensional Concepts I	3
<b>ARTF 089</b>	Three-Dimensional Concepts I	3
<b>ARTF 001</b>	Drawing I	3
<b>ARTH 164</b>	Survey of Visual Art	3
<b>MUTP 100</b>	Blacks in the Arts	3
<b>ENGL 002</b>	Freshman English	3
<b>FAOR 001</b>	Freshman Orientation	1
<b>Total</b>		<b>19</b>

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
<b>ARTF 088</b>	Two-Dimensional Concepts II	3
<b>ARTF 090</b>	Three-Dimensional Concepts II	3
<b>ARTF 002</b>	Drawing II	3
<b>ARTH 165</b>	Intro to Art History	3
<b>ENGL 003</b>	Freshman English	3
<b>ARTP 050</b>	Basic Photography	3
<b>Total</b>		<b>18</b>

**Sophomore Year (30 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
<b>ARTP 051</b>	Intermediate Photography	3
<b>ARTX</b>	Studio Elective	3
<b>HIST</b>	U.S. History to 1877 or Div. C	3
<b>ARTE</b>	Computers in the Arts	3
<b>MATH 006</b>	College Algebra I	3
<b>Total</b>		<b>15</b>

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
<b>ARTP 054</b>	Alternative Processes in Photo	3
<b>ARTP</b>	Color Photo - or appropriate elec.	3
<b>HIST</b>	U.S. History Since 1877 or Div. C	3
	Minor Course	3
<b>ARTX</b>	Studio Elective	3
<b>Total</b>		<b>15</b>

**Junior Year (30 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
<b>ARTP 052</b>	Image Narratives in Photo	3
<b>ARTE 085</b>	Digital Photography	3
<b>ARTH 178</b>	African American Art I	3
	Foreign Language I	3
	Minor Course	3
<b>Total</b>		<b>15</b>

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
<b>ARTP 056</b>	Documentary Photography	3
	Art Elective	3
<b>ARTH 179</b>	African American Art II	3
	Foreign Language II	3
	Studio Elective or Minor Course	3
<b>Total</b>		<b>15</b>

**Senior Year (30 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
<b>ARTP 057</b>	Independent Study in Photo.	3
<b>Div. B</b>		3
<b>ARTH</b>	Art History Elective	3
	Minor Course	3
	University Elective	3
<b>Total</b>		<b>15</b>

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
<b>ARTP 055</b>	Internship in Photo	3
<b>ARTP 059</b>	Senior Photography	3
	Minor Course	3
<b>ARTX</b>	Studio Elective	3
	University Elective	3
<b>Total</b>		<b>15</b>

**College of Arts & Sciences**  
Undergraduate Curriculum Guide for the B.F.A in Art-Sculpture Concentration

**Freshman Year (37 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
<b>ARTF 087</b>	Two-Dimensional Concepts I	3	<b>ARTF 088</b>	Two-Dimensional Concepts II	3
<b>ARTF 089</b>	Three-Dimensional Concepts I	3	<b>ARTF 090</b>	Three-Dimensional Concepts II	3
<b>ARTF 001</b>	Drawing I	3	<b>ARTF 002</b>	Drawing II	3
<b>ARTH 164</b>	Survey of Visual Art	3	<b>ARTH 165</b>	Intro to Art History	3
<b>MUTP 100</b>	Blacks in the Arts	3	<b>ENGL 003</b>	Freshman English	3
<b>ENGL 002</b>	Freshman English	3	<b>ARTP 050</b>	Basic Photography	3
<b>FAOR 001</b>	Freshman Orientation	1			
<b>Total</b>			<b>Total</b>		
<b>19</b>			<b>18</b>		

**Second Semester**

**Sophomore Year (30 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
<b>ARTS 141</b>	Sculpture I	3	<b>ARTS 142</b>	Sculpture II	3
<b>ARTR 003</b>	Drawing III	3	<b>ARTS 144</b>	Figure Sculpture II	3
	Art Elective	3		or Ceramic Sculpture II	3
<b>ARTS 143</b>	Figure Sculpture I	3		University Elective	3
	or Ceramic Sculpture I	3	<b>Div. B</b>	Liberal Arts	3
<b>Div. B</b>	Liberal Arts	3	<b>ARTR 004</b>	Drawing IV	3
<b>Total</b>			<b>Total</b>		
<b>15</b>			<b>15</b>		

**Junior Year (36 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
<b>ARTS 149</b>	Metal Sculpture I	3	<b>ARTS 150</b>	Metal Sculpture II	3
<b>ARTS</b>	Sculpture Elective	3	<b>ARTS</b>	Sculpture Elective	3
<b>ARTX</b>	Studio Elective	3	<b>ARTX</b>	Studio Elective	3
	Computers in the Arts	3	<b>Div. D</b>	Liberal Arts	3
	Humanities Elective	3		Humanities Elective	3
<b>ARTH 178</b>	African American Art I	3	<b>ARTH 179</b>	African American Art II	3
<b>Total</b>			<b>Total</b>		
<b>18</b>			<b>18</b>		

**Senior Year (30 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
<b>ARTS 147</b>	Wood Sculpture	3	<b>ARTS 148</b>	Stone Sculpture	3
<b>ARTS</b>	Sculpture Elective	3	<b>ARTS</b>	Sculpture Elective	3
	Art Elective	3		Art Elective	3
	Speech	3		Elective	3
	University Elective	3		University Elective	3
<b>Total</b>			<b>Total</b>		
<b>15</b>			<b>15</b>		

**College of Arts & Sciences**  
Undergraduate Curriculum Guide for the Biology B.S. Degree

**Freshman Year (34 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
<b>ENGW</b>	Freshman English	3	<b>ENGW</b>	Freshman English	3
<b>FRSM 001</b>	Freshman Orientation	1	<b>BIOL 102</b>	Biology	4
<b>MATH 006</b>	College Algebra	3	<b>CHEM 004</b>	General Chemistry II	4
<b>BIOL 101</b>	Biology	4	<b>CHEM 006</b>	General Chemistry II Lab	1
<b>CHEM 003</b>	General Chemistry I	4	<b>MATH 007</b>	Precalculus	4
<b>CHEM 005</b>	General Chemistry Lab I	1	<b>HHPL</b>	Physical Education	1
<b>HHPL</b>	Physical Education	1			
<b>Total</b>		<b>17</b>	<b>Total</b>		<b>17</b>

**Sophomore Year (32 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
<b>BIOL 200</b>	Genetics	4	<b>BIOL</b>	Biology Elective	4
<b>CHEM 141</b>	Organic Chemistry I	3	<b>CHEM 142</b>	Organic Chemistry II	3
<b>DIV. C</b>	Social Science Elective	3	<b>CHEM 145</b>	Organic Chemistry II Lab	3
	Foreign Language	3		Foreign Language	3
<b>ENGL 009</b>	Technical Writing	3	<b>DIV. A</b>	Humanities Elective	3
<b>Total</b>		<b>16</b>	<b>Total</b>		<b>16</b>

**Junior Year (30 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
<b>BIOL</b>	Biology Elective	4	<b>BIOL</b>	Advanced Biology Elective	4
<b>PHYS 001</b>	Physics I Lecture/Lab	5	<b>PHYS 002</b>	Physics II Lecture/Lab	5
	Foreign Language	3	<b>DIV. A</b>	Humanities Elective	3
<b>PHIL</b>	Philosophy Elective	3		Foreign Language	3
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>15</b>

**Senior Year (27 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
<b>BIOL</b>	Advanced Biology Electives	7	<b>BIOL</b>	Advanced Biology Elective	3
<b>BIOL</b>	Senior Seminar	1	<b>DIV. A</b>	Humanities Elective	3
<b>DIV. C</b>	Social Science Elective	3	<b>DIV. B</b>	African American Cluster	3
<b>HHPL</b>	Physical Education	1	<b>SLMC 101</b>	Principles of Speech	3
<b>Total</b>		<b>12</b>	<b>Total</b>		<b>12</b>

**College of Engineering, Architecture and Computer Sciences**  
Undergraduate Curriculum Guide for B.S. Degree in Chemical Engineering

**Freshman Year (31 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
ENGL 002	Freshman English	3
EGPP 101	Introduction to Engineering	2
MATH 156	Calculus I	4
CHEM 003	General Chemistry Lecture I	4
CHEM 005	General Chemistry Lab	1
	Humanities/Soc. Sci. Elective	3
<b>Total</b>		<b>17</b>

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
ENGL 003	Freshman English	3
CHEG 102	Intro to Chemical Engineering	3
MATH 157	Calculus II	4
CHEM 004	General Chemistry Lecture II	4
<b>Total</b>		<b>14</b>

**Sophomore Year (33 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
PHYS 013	Physics I Lecture	3
PHYS 023	Physics I Lab	1
MATH 158	Calculus III	4
CHEM 141	Organic Chemistry Lecture	3
SYCS 165	Elementary Computation	3
CHEG 201	Ch. E. Material Balances	3
<b>Total</b>		<b>17</b>

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
PHYS 014	Physics II Lecture	3
CHEM 145	Organic Chemistry Lab	3
MATH 159	Differential Equations	4
CHEM 142	Organic Chemistry II Lecture	3
CHEG 202	Ch. E. Energy Balances	3
<b>Total</b>		<b>16</b>

**Junior Year (25 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
CHEM 171	Physical Chemistry Lecture I	3
CHEM 173	Physical Chemistry Lab	1
CHEG 301	Fluid Mechanics	3
CHEG 303	Ch. E. Thermodynamics	3
	Humanities/Soc. Sci. Elective	3
<b>Total</b>		<b>13</b>

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
CHEM 172	Physical Chemistry Lecture II	3
CHEG 302	Heat Transfer	3
CHEG 306	Ch. E. Analysis	3
	Technical Elective	3
<b>Total</b>		<b>12</b>

**Senior Year (30 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
CHEG 401	Mass Transfer/Separation Proc.	3
CHEG 407	Process Design I	3
CHEG 405	Ch. E. Lab	3
CHEG 403	Ch. E. Reaction Engineering	3
CHEG	Engineering Elective	3
<b>Total</b>		<b>15</b>

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
CHEG 402	Process Control	3
CHEG 414	Process Design II	3
CHEG	Ch. E. Elective	3
	Humanities/Soc. Sci. Elective	3
	Humanities/Soc. Sci. Elective	3
<b>Total</b>		<b>15</b>



**College of Arts & Sciences**

Undergraduate Curriculum Guide for Chemistry – Calculus Sequence B.S. Degree

**Freshman Year (29 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
ENGW	Freshman English	3	ENGW	Freshman English	3
FRSM 001	Freshman Orientation	1	CHEM 004	General Chemistry II	4
MATH 156	Calculus I	4	CHEM 006	General Chemistry II Lab	1
CHEM 003	General Chemistry I	4	MATH 157	Calculus II	4
CHEM 005	General Chemistry Lab I	1	DIV. B	Social Science Elective	3
HHPL	Physical Education	1			
<b>Total</b>		<b>14</b>	<b>Total</b>		<b>15</b>

**Sophomore Year (31 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
MATH 158	Calculus III	4	CHEM 142	Organic Chemistry II	3
CHEM 141	Organic Chemistry I	3	CHEM 145	Organic Chemistry II Lab	3
PHYS 001	Physics I Lecture & Lab	5	PHYS 002	Physics II Lecture & Lab	5
	Foreign Language	3	HHPL	Physical Education	1
HHPL	Physical Education	1			
<b>Total</b>		<b>16</b>	<b>Total</b>		<b>15</b>

**Junior Year (32 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
CHEM 171	Physical Chemistry I Lecture	3	CHEM 172	Physical Chemistry II Lecture	3
CHEM 173	Physical Chemistry I Lab	2	CHEM 174	Physical Chemistry II Lab	2
DIV. A	Humanities Elective	3	ENGL	Writing Course	3
DIV. A	Humanities Elective	3	DIV. A	Humanities Elective	3
	Foreign Language	3		Foreign Language	3
SLMC 101	Principles of Speech	3	CHEM 088/089	Directed Reading	1
<b>Total</b>		<b>17</b>	<b>Total</b>		<b>15</b>

**Senior Year (28 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
CHEM 122	Analytical Chemistry	3	CHEM 126	Instrumental Chemistry	3
CHEM 123	Analytical Chemistry Lab	2	CHEM 127	Instrumental Chemistry Lab	2
DIV. B	Social Science Elective	3		General Elective	3
DIV. C	Social Science Elective	3	PHIL	Philosophy	3
	General Elective	3	DIV. C	Social Science Elective	3
<b>Total</b>		<b>14</b>	<b>Total</b>		<b>14</b>

**College of Engineering, Architecture and Computer Sciences**  
Undergraduate Curriculum Guide for the Bachelor Science Degree in Civil Engineering

**Freshman Year (29 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
ENGL 002	Freshman English	3
EGPP 101	Introduction to Engineering	2
MATH 156	Calculus I	4
CHEM 003	General Chemistry Lecture I	4
CHEM 005	General Chemistry Lab	1
<b>Total</b>		<b>14</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
ENGL 003	Freshman English	3
MATH 157	Calculus II	4
CIEG 102	Intro to Civil Engineering	3
PHYS 013	Physics/S&E Lecture I	3
PHYS 023	Physics/S&E Lab I	1
	Physical Education	1
<b>Total</b>		<b>15</b>

**Sophomore Year (30 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
MATH 158	Calculus III	4
CIEG 202	Statics	3
PHYS 014	Physics/S&E Lecture II	3
PHYS 024	Physics/S&E Lab II	1
	Basic Science Elective	3
<b>Total</b>		<b>14</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
MATH 159	Differential Equations	4
CIEG 302	Dynamics	3
CIEG 351	Probability & Statistics	3
MEEG 309	Material Science	3
	African American Elective	3
<b>Total</b>		<b>16</b>

**Junior Year (33 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
CIEG 207	Intro to Environment Engin.	3
CIEG 301/303	Mechanics of Material Lec/Lab	4
CIEG 311/313	Fluid Mechanics Lecture/Lab	4
MATH 164	Numerical Methods	3
	General Elective	3
<b>Total</b>		<b>17</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
CIEG 314	Structures I	3
CIEG 350	Engineering Economics	3
CIEG 352	Water Resources Engineering	3
CIEG 416	Transportation Engineering	3
CIEG 434/438	Soil Mechanics Lecture/Lab	4
<b>Total</b>		<b>16</b>

**Senior Year (28 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
CIEG 439	Senior Design I	3
CIEG	CIEG Elective	3
CIEG	CIEG Elective	3
CIEG	CIEG Elective	3
CIEG	CIEG Elective	3
<b>Total</b>		<b>15</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
CIEG 441	Senior Design II	3
CIEG 462	Seminar I	1
	Technical Elective	3
	Technical Elective	3
	Humanities/Soc. Sci. Elective	3
<b>Total</b>		<b>13</b>

**College of Nursing and Allied Health**

Undergraduate Curriculum Guide for Clinical Laboratory Sciences B.S.

**IMPORTANT:** \*Required for students entering the program fall semester 2008 or after  
 \*\*CHEM 180,181,182, and 183 may be substituted for General Chemistry Lecture & Labs only with CLS advisors' approval.  
 \*\*\*CLLS 709 is a writing intensive course and meets the Division's 3<sup>rd</sup> writing requirement.

**Freshman Year (29 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>		<b><u>Course #</u></b>	<b><u>Course Name</u></b>	
<b><u>Credit Hrs</u></b>			<b><u>Credit Hrs</u></b>		
<b>ENGL 002</b>	Freshman Composition		<b>ENGL 003</b>	Freshman Composition	
3			3		
<b>MATH 006</b>	College Algebra I	3	<b>MATH 009</b>	Intro to Statistics	4
<b>AHCC 110</b>	General Orientation	2	<b>BIOL 102</b>	Biology II	
<b>HHPL</b>	Physical Education				4
1			<b>HHPL</b>	Physical Education	
<b>CLLS 101</b>	Intro to CLS				1
2			<b>BIOL 101</b>	Biology Lecture/Lab I	
<b>BIOL 101</b>	Biology Lecture/Lab I			Social/Human Relations Elect	
4			3		
<b>Total</b>			<b>15</b>	<b>Total</b>	
				<b>15</b>	

**Sophomore Year (31 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>		<b><u>Course #</u></b>	<b><u>Course Name</u></b>	
<b><u>Credit Hrs</u></b>			<b><u>Credit Hrs</u></b>		
<b>CHEM 003</b>	General Chemistry Lec. I	4	<b>MPHY 101</b>	Gen. Physiology	
<b>CHEM 005</b>	General Chemistry Lab I	1	<b>or HHPL 190</b>	Human Physiology Lec/Lab	4
<b>BIOL 200/310</b>	Genetics or Cell Biology*	4	<b>CLLS 300</b>	Basic CLS Skills	
<b>AHCC-003</b>	Medical Terminology	2			2
	African American Cluster	3	<b>CHEM 004**</b>	Gen Chemistry II	4
			<b>CHEM 006</b>	Gen. Chemistry Lab II	1
<b>Total</b>			<b>14</b>	<b>CLLS 312</b>	OSHA Seminar
					1
				General Elective	3
				<b>Total</b>	<b>14</b>

**Junior Year (40 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>		<b><u>Course #</u></b>	<b><u>Course Name</u></b>	
<b><u>Credit Hrs</u></b>			<b><u>Credit Hrs</u></b>		
<b>CLLS 415</b>	Cl. Urin & Body Fluids		<b>CLLS 416</b>	Cl. Diag. Micro II	
3			5		
<b>CLLS 307</b>	Cl. Immunology		<b>CLLS 409</b>	Immunoematology	
4			4		
<b>CLLS 303</b>	Hematology I		<b>CLLS 403</b>	Hematology II	
4			4		
<b>CLLS 308</b>	Cl. Diag. Micro I		<b>CLLS 310</b>	Clinical Chemistry II	
5					4
<b>CLLS 309</b>	Clinical Chemistry I		4		
4			<b>Total</b>		
<b>Total</b>			<b>20</b>	<b>17</b>	

**Senior Year (29 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	
<b>CLLS 400</b>	Clinical Techniques II	
2		
<b>CLLS 420</b>	Research- WRTG***	
3		
<b>Total</b>		<b>5</b>

**Clinical Rotations (17 hours)+**

<u>Course #</u>	<u>Course Name</u>	
<b>CLLS 404</b>	Hemat./Urin. Practicum	
4		

<u>Second Semester</u>		
<u>Course #</u>	<u>Course Name</u>	
<b>CLLS 418</b>	Cl. Lab Decision Making	
2		
<b>Total</b>		<b>2</b>
<b>CLLS 406</b>	Microbiology Practicum	
5		
<b>CLLS 408B</b>	Chemistry Practicum	4
<b>CLLS 411</b>	Immunochem. Practicum	
4		
<b>Total</b>		<b>17</b>

**Freshman Year (29 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
ENGL 002	Freshman English	3
EGPP 101	Introduction to Engineering	2
MATH 156	Calculus I	4
EECE 156	Math I Lab	1
CHEM 003	General Chemistry Lecture I	4
CHEM 005	General Chemistry Lab	1
<b>Total</b>		<b>15</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
ENGL 003	Freshman English	3
MATH 157	Calculus II	4
EECE 157	Math II Lab	1
EECE 102	Intro to EE and CpE	1
PHYS 013	Physics/S&E Lecture I	3
PHYS 023	Physics/S&E Lab I	1
HHPL	Physical Education	1
<b>Total</b>		<b>14</b>

**Sophomore Year (30 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
MATH 158	Calculus III	4
EECE 158	Math III Lab	1
PHYS 014	Physics/S&E Lecture II	3
PHYS 024	Physics/S&E Lab II	1
SYCS 135	Intro to Programming	4
HHPL	Physical Education	1
<b>Total</b>		<b>14</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
EECE 160	Engineering Mathematics	3
SYCS 136	Elementary Data Structures	3
EECE 202	Fundamentals of Circuit Theory	4
EECE 208	Fund. Of Circuit Theory Lab	1
EECE 211	Fundamental of Digital Systems	4
EECE 217	Fund. Of Digital Systems Lab	1
<b>Total</b>		<b>16</b>

**Junior Year (31 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
ECON 001	Principles of Economics I	3
	Fund. Of Electromagnetics	3
	Fund. Of Electromagnetics Lab	1
SYCS 201	Computer Org.	3
EECE 406	Advanced Digital Systems	3
EECE 406L	Advanced Digital Systems Lab	1
	Humanities Elective	3
<b>Total</b>		<b>17</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
EECE 416	Microprocessors	3
MATH 181	Discrete Structures	3
EECE 331	Prob., Random Variable, & Stats.	3
	Fund. Of Elec. & SS Devices	3
	Fund. Of Elec. & SS Devices Lab	1
	Research in Undergrad. Exp.	1
<b>Total</b>		<b>14</b>

**Senior Year (30 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
EECE 401	Senior Design I	3
EECE	EE/CpE Elective	3
EECE	EE/CpE Elective	3
	African American Cluster	3
	General Elective	3
<b>Total</b>		<b>15</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
EECE 404	Senior Design II	3
EECE	CpE Elective	3
EECE	CpE Elective	3
EECE	CpE Elective	3
EECE	CpE Elective	3
	Social Science Elective	3
<b>Total</b>		<b>15</b>

**College of Engineering, Architecture and Computer Sciences**

Undergraduate Curriculum Guide for the Bachelor of Science Degree in Computer Science

<u>Number</u>	<u>Course Title</u>	<u>Cr</u>	<u>Year</u>	<u>Date</u>	<u>Number</u>	<u>Course Title</u>	<u>Cr</u>
<b>Freshmen</b>							
EGPP-101	Intro to Engineering	2			CSCI-135	Computer Science I	4

	Non- Technical Elective	3			CSCI-211	UNIX Lab	1
	Science Lec A	4/5			MATH-156	Calculus I	4
	Science Lab A	0			ENGW	English II	3
ENGW	English I	3			SLMC 101	Principles of Speech	3
CSCI-100	Intro to CS	3					
		15/16					15
<b>Sophomore</b>							
CSCI-136	Computer Science II	3			CSCI-354	Computer Science III	3
CSCI-201	Computer Organization I	3			CSCI-375	Software Engineering	3
MATH-157	Calculus II	4			CSCI-202	Computer Organization II	3
	Science Lec B (1)	4/5			MATH-181	Discrete Structures	3
	Science Lab B (1)	0				Science Lec B (2)	4/5
						Science Lab B (2)	0
		14/15					16/17
<b>Junior</b>							
CSCI-341	Theory of Computation	3			CSCI-350	Structure of Programming Languages	3
CSCI-401	Operating Systems	3				Technical Elective	3
CSCI-470	Fundamentals of Alg.	3			CSCI-432	Database Systems	3
CSCI-450	Data Communications and Network Programming	3			ENGL-009	Technical Writing	3
CSCI-453	Intro to Cybersecurity 1	3			MATH-180	Intro to Linear Algebra	3
		15					15
<b>Senior</b>							
CSCI-491	Senior Project I	3				Technical Elective	3
CSCI-363	Large Scale Prog.	3			CSCI-492	Senior Project II	3
CSCI-473	Applied Data Science	3				Technical Elective	3
	Technical Elective	3				Non- Technical Elective	3
	Technical Elective	3				Non- Technical Elective	3
		15					15
						<b>Total Credits:</b>	<b>120/122</b>

**School of Business**

Undergraduate Curriculum Guide for the B.B.A. Degree in Computer Information Systems

IMPORTANT: \*A grade of "C" or better must be earned in each of the two required math courses in order to fulfill the math requirement and in order to enroll in each and every school of business junior-level and senior-level course. Only 3 credit hours will be awarded for each required math course.

**Freshman Year (31 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
<b>ENGW</b>	Freshman Composition	3
<b>MATH 010</b>	College Algebra II*	4
<b>INFO 010</b>	Business Problem Solving	2
<b>MGMT 010</b>	Business Orientation	1

Afro-American Elective	3
Foreign Language	3

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**Total            16**

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
<b>ENGW</b>	Freshman Composition	3

<b>MATH 026</b>	Applied Calculus*	4	Foreign Language (Level 2+)	3
<b>PSYC050</b>	Intro to Psychology	3	<b>Total</b>	<b>15</b>
<b>MGMT 011</b>	Business Orientation II	1		
<b>HHPL</b>	Physical Education	1		

**Sophomore Year (29 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>			<b>Total</b>	<b>14</b>
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>		
<b>ACCT 201</b>	Accounting Principles I	3	<b>ACCT 202</b>	Accounting Principles II	3		
<b>ECON 001</b>	Principles of Economics I	3	<b>ECON 002</b>	Principles of Economics II	3		
<b>ECON 180</b>	Statistics – Bus. & Economics	3	<b>INFO 210</b>	Intro to Software Design	3		
<b>INFO 204</b>	Management Info Systems	3	<b>BCOM 320</b>	Business Communication	3		
<b>MGMT 001</b>	Career Counseling		<b>POLS</b>	Political Science Elective	3		
1							
<b>HHPL</b>	Physical Education	1				<b>Total</b>	<b>15</b>

**Junior Year (30 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>				
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>		
<b>INFO 311</b>	Quantitative Bus. Analysis	3	<b>INFO 335</b>	Production & Operations Mgmt.	3		
<b>INFO 330</b>	Database Management	3	<b>INFO 325</b>	Intro to Data & Network Comm.	3		
<b>MGMT 301</b>	Management & Org. Behavior	3	<b>BLAW 305</b>	Business Law I	3		
<b>MKTG 301</b>	Principles of Marketing	3	<b>FINA 311</b>	Financial Principles	3		
	Science Elective	3	<b>INFO 370</b>	Systems Analysis & Design	3		
	<b>Total</b>	<b>15</b>		<b>Total</b>	<b>15</b>		

**Senior Year (30 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>				
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>		
<b>INFO 385</b>	Intro to eBusiness & Commerce	3	<b>INFO 398</b>	Information Systems Consulting	3		
<b>INFO</b>	C.I.S. Elective	3	<b>MGMT 351</b>	Entrepreneurship	3		
<b>INFO</b>	C.I.S. Elective	3	<b>INFO</b>	C.I.S. Elective	3		
<b>BECN 220</b>	Managerial Economics	3	<b>MGMT 390</b>	Business Policy	3		
	Non-Business Elective	3	<b>PHIL</b>	Philosophy Elective	3		
	<b>Total</b>	<b>15</b>		<b>Total</b>	<b>15</b>		



**College of Arts & Sciences**  
Undergraduate Curriculum Guide for Economics

**Freshman Year (31 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
ENGW	Freshman English	3	ENGL 003	Freshman English	3
FRSM 001	Freshman Seminar	1	DIV. D	Mathematics	4
	Foreign Language	3		Foreign Language	3
HHPL	Physical Education	1	HHPL	Physical Education	1
DIV. A	Humanities Elective	3	DIV. A	Humanities Elective	3
DIV. D	Mathematics	3	DIV. B	African American Cluster	3
<b>Total</b>		<b>14</b>	<b>Total</b>		<b>17</b>

**Sophomore Year (32 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
ENGL	English Writing Course	3	PHIL	Philosophy	3
HHPL	Physical Education	1		Foreign Language	3
	Foreign Language	3	ECON 002	Principles of Economics II	3
ECON 001	Principles of Economics I	3	ECON 184	Intr. Econometrics	3
ECON 180	Stat. for Business and Economy	3	MATH 026	Applied Calculus	4
DIV. A	Humanities Elective	3	<b>Total</b>		<b>16</b>
<b>Total</b>		<b>16</b>			

**Junior Year (30 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
SLMC 101	Principles of Speech	3	DIV. D	Natural Science Elective	3
ECON 170	Intr Mico Economics	3	ECON 171	Int. Macro Economics	3
ECON	Major Elective	3	ECON	Major Elective	3
DIV. A	Divisional	3		Minor	3
DIV. D	Divisional	3	Div. B	Social Science Elective	3
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>15</b>

**Senior Year (27 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
ECON	Major Elective	3	ECON	Major Elective	3
ECON	Major Elective	3		Minor	3
	Minor	3		Minor	3
	Minor	3		General Elective	3
	General Elective	3	<b>Total</b>		<b>12</b>
<b>Total</b>		<b>15</b>			

**College of Engineering, Architecture and Computer Sciences**  
Undergraduate Curriculum Guide for Bachelor of Science in Electrical Engineering

**Freshman Year (29 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
ENGL 002	Freshman English	3	ENGL 003	Freshman English	3
EGPP 101	Introduction to Engineering	2	MATH 157	Calculus II	4
MATH 156	Calculus I	4	EECE 157	Math II Lab	1
EECE 156	Math I Lab	1	EECE 102	Intro to EE and CpE	1
CHEM 003	General Chemistry Lecture I	4	PHYS 013	Physics/S&E Lecture I	3
CHEM 005	General Chemistry Lab	1	PHYS 023	Physics/S&E Lab I	1
			HHPL	Physical Education	1
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>14</b>

**Sophomore Year (30 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
MATH 158	Calculus III	4	EECE 160	Engineering Mathematics	3
EECE 158	Math III Lab	1	EECE 162	Engineer. Programs & Apps.	3
PHYS 014	Physics/S&E Lecture II	3			
PHYS 024	Physics/S&E Lab II	1	EECE 202	Fundamentals of Circuit Theory	4
SYCS 135	Intro to Programming	4	EECE 208	Fund. Of Circuit Theory Lab	1
HHPL	Physical Education	1	EECE 211	Fundamental of Digital Systems	4
			EECE 217	Fund. Of Digital Systems Lab	1
<b>Total</b>		<b>14</b>	<b>Total</b>		<b>16</b>

**Junior Year (31 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
ECON 001	Principles of Economics I	3	EECE 331	Prob., Random Variables, & Stat.	3
	Fund. Of Electromagnetics	3		Fund. Of Electronics & SS Devices	3
	Fund. Of Electromagnetics Lab	1		Fund. Of Elec. & SS Devices Lab	1
	Fund. Of Energy Systems	3		Engineering Science Elective	3
	Fund. Of Energy Systems Lab	1		Research in Undergrad. Exp.	1
	Fund. Of Signals and Systems	3		African American Studies Elect.	3
	Humanities Elective	3			
<b>Total</b>		<b>17</b>	<b>Total</b>		<b>14</b>

**Senior Year (30 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
EECE 401	Senior Design I	3	EECE 404	Senior Design II	3
	EE/CpE Elective	3		EE/CpE Elective	3
	EE/CpE Elective	3		EE/CpE Elective	3
	EE/CpE Elective	3		EE/CpE Elective	3
	General Elective	3		Social Science Elective	3
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>15</b>

### School of Education

#### Undergraduate Curriculum Guide for the B.S. Degree in Elementary Education

#### FRESHMAN YEAR

##### FALL (16 CRS.)

ENGL 002	Freshman Composition	3 Crs
MATH 006 <sup>a</sup>	College Algebra I (See Advisor If Exempt)	3 Crs
SLMC 101	Principles of Speech	3 Crs
SCIENCE ELECTIVE <sup>c</sup>	Life/Physical Science (See Advisor Regarding Options)	3 Crs
HIST 101	World Geography	3 Crs
EDUC 100	Orientation & Pre-Professional Seminar	1 Cr

##### SPRING (14 CRS.)

ENGL 003	Freshman Composition	3 Crs
FINE ARTS	Music/Theatre Arts/Art <sup>b</sup>	3 Crs
SCIENCE ELECTIVE <sup>c</sup>	Life/Physical Science (See Advisor Regarding Options)	3 Crs
HIST 005	Introduction to Black Diaspora	3 Crs
EDUC 120	International Education for Contemporary Societies	2 Crs

#### SOPHOMORE YEAR

##### FALL (15 CRS.)

HUDV 114	Growth & Development in Child. & Adolescents	3 Crs
EDUC 212	Educational Psych: Learning & African Amer. Learners	3 Crs
MATH 020 <sup>a</sup>	Fundamental Concepts of Math For Education I	3 Crs
EDUC 218	Foundations & Processes of Reading Acquisition	3 Crs
EDUC 219	Schooling for Diverse Populations In American Society	3 Crs

##### SPRING (18 CRS.)

EDUC 220	Learners with Diverse Cognitive, Behavior, & Language Characteristics	3 Crs
EDUC 221	Talent Development Model of Schooling	3 Crs
EDUC 222	Engaging Urban Parents, Families, Communities, and School Personnel	3 Crs
EDUC 223	Instructional Technology for The 21 <sup>st</sup> Century	3 Crs
EDUC 225	Earth Science and Elem. Science Practices (and Lab)	3 Crs
MATH 021 <sup>a</sup>	Fundamental Concepts of Math For Education II	3 Crs

#### JUNIOR YEAR

##### FALL (17 CRS.)

EDUC 312	Introduction To Assessment & Measurement	3 Crs
EDUC 314	Principles of Teaching Math & Sci In Urban Classrooms I (Gr. 1-3)	4 Crs
EDUC 315	Principles of Teaching Math & Sci In Urban Classrooms II (Gr. 4-6)	4 Crs
EDUC 316	Strategies for Teaching English Language Learners	3 Crs
SPAN 001 <sup>d</sup>	Spanish I or Other World Lang. I	3 Crs

##### SPRING (16 CRS.)

EDUC 321	Literature & Writing in Urban Elementary Schools	3 Crs
EDUC 322	Teaching Language Arts and Social Studies In Urban Elementary Schools	3 Crs
EDUC 323	Literacy Assessment & Instructional Frameworks In Urban, Elem. Schools	3 Crs
EDUC 324	Teaching Arts, Health and PE In Urban Elem Schools	4 Crs
SPAN 002 <sup>d</sup>	Spanish II or Other World Lang. II	3 Crs

#### SENIOR YEAR

##### FALL (12 CRS.)

EDUC 412	Research Foundations & Methods For Classroom Teachers	3 Crs
EDUC 450	Internship & Classroom Management Seminar (Student Teaching)	9 Crs

##### SPRING (12 CRS.)

EDUC 420	Interdisciplinary Research in Stem	3 Crs
EDUC 480	International Internship & Special Topics Seminar	9 Crs

**College of Arts & Sciences**  
Undergraduate Curriculum Guide for the English B.A. Degree

**Freshman Year (33 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
ENGW	Freshman English for Eng. Maj.	3
FRSM 001	Freshman Seminar	1
	Foreign Language	3
DIV. B	Social Science Elective	3
DIV. A	Humanities Elective	3
DIV. D	Mathematics	3
<b>Total</b>		<b>16</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
ENGW	Freshman English for Eng. Maj.	3
Div. D	Mathematics	4
	Foreign Language	3
HHPL	Physical Education	1
DIV. A	Philosophy	3
DIV. B	Social Science Elective	3
<b>Total</b>		<b>17</b>

**Sophomore Year (32 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
ENGL	Sophomore Seminar I	3
HHPL 002	Swimming	1
	Foreign Language	3
ENGL	British Foundations	3
DIV. C	Social Science Elective	3
DIV. D	Natural Science Elective	3
<b>Total</b>		<b>16</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
ENGL	Sophomore Seminar II	3
ENGL	American Foundations	3
	Minor	3
DIV. D	Natural Science Elective	3
HHPL	Physical Education	1
	Foreign Language	3
<b>Total</b>		<b>16</b>

**Junior Year (31 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SLMC 101	Principles of Speech	3
ENGL	Linguistic Foundation	3
ENGL	African American Foundation	3
	Minor	3
DIV. C	Divisional	3
HHPL	Physical Education	1
<b>Total</b>		<b>16</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
ENGL	Genre or Period Course	3
ENGL	Major Elective	3
	Minor	3
	General Elective	3
	General Elective	3
<b>Total</b>		<b>15</b>

**Senior Year (27 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
ENGL	Major Author	3
ENGL	Major Elective	3
	Minor	3
	Minor	3
<b>Total</b>		<b>12</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
ENGL	Major Elective	3
ENGL	Major Elective	3
	Minor	3
	General Elective	3
<b>Total</b>		<b>12</b>

**School of Business**

Undergraduate Curriculum Guide for the B.B.A. Degree in Finance

IMPORTANT: \*A grade of "C" or better must be earned in each of the two required math courses in order to fulfill the math requirement and in order to enroll in each and every school of business junior-level and senior-level course. Only 3 credit hours will be awarded for each required math course.

**Freshman Year (30 hours)**

<b>First Semester</b>			<b>Second Semester</b>			<b>Total</b>
<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>	<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>	
ENGW	Freshman English	3	ENGW	Freshman English	3	<b>16</b>
MATH 010	College Algebra II*		MATH 026	Applied Calculus*	4	
4			PSYC050	Intro to Psychology	3	
INFO 010	Business Problem Solving	2	MGMT 011	Business Orientation II	1	
MGMT 010	Business Orientation	1		Foreign Language (Level 2+)	3	
	Afro-American Elective	3				
	Foreign Language	3				
<b>Total</b>						<b>14</b>

**Sophomore Year (30 hours)**

<b>First Semester</b>			<b>Second Semester</b>			
<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>	<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>	
ACCT 201	Accounting Principles I	3	ENGL	Literature Elective	3	
ECON 001	Principles of Economics I	3	ACCT 202	Accounting Principles II	3	
HIST/POLS	History or Political Science	3	ECON 002	Principles of Economics II	3	
HHPL	Physical Education	1	ECON 180	Statistics – Bus. & Economics	3	
HHPL	Physical Education	1	INFO 204	Management Info Systems	3	
MGMT 001	Career Counseling		BCOM 320	Business Communication	3	
1						
<b>Total</b>						<b>15</b>

**Total 15**

**Junior Year (30 hours)**

<b>First Semester</b>			<b>Second Semester</b>			
<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>	<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>	
INFO 311	Quantitative Bus. Analysis	3	INFO 335	Production & Operations Mgmt.	3	
FINA 312	Business Finance	3	FINA 363	Financial Modeling & Analysis	3	
MGMT 301	Management & Org. Behavior	3	BLAW 305	Business Law I	3	
MKTG 301	Principles of Marketing	3	BECN 330	Managerial Economics	3	
	Science Elective	3	ACCT 310	Intermediate Accounting I	3	
<b>Total</b>						<b>15</b>

**Senior Year (30 hours)**

<b>First Semester</b>			<b>Second Semester</b>			
<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>	<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>	
FINA 313	Financial Management	3	FINA 380	Bus. Fin. Policy & Dec. Making	3	
FINA 330	Principles of Investments	3	FINA	Finance Elective	3	
FINA	Finance Elective	3	MGMT 351	Entrepreneurship	3	
PHIL	Philosophy Elective	3	MGMT 390	Business Policy	3	
	Non-Business Elective	3		Non-Business Elective	3	
<b>Total</b>						<b>15</b>

**School of Business**

Undergraduate Curriculum Guide for the B.B.A. Degree in Finance – Actuarial Science Concentration

IMPORTANT: \*A grade of "C" or better must be earned in each of the two required math courses in order to fulfill the math requirement and in order to enroll in each and every school of business junior-level and senior-level course. Only 3 credit hours will be awarded for each required math course.

**Freshman Year (31 hours)**

<u>First Semester</u>			<u>Second Semester</u>		
<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>	<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
ENGW	Freshman English	3	ENGW	Freshman English	3
MATH 156	Calculus I*	4	MATH 0157	Calculus II*	4
INFO 010	Business Problem Solving	2	PSYC050	Intro to Psychology	3
MGMT 010	Business Orientation	1	MGMT 011	Business Orientation II	1
HIST	History Elective	3	HHPL	Physical Education	1
	Foreign Language	3		Foreign Language (Level 2+)	3
<b>Total</b>		<b>16</b>	<b>Total</b>		<b>15</b>

**Sophomore Year (32 hours)**

<u>First Semester</u>			<u>Second Semester</u>			<b>Total</b>
<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>	<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>	
ACCT 201	Accounting Principles I	3	ACCT 202	Accounting Principles II	3	<b>18</b>
ECON 001	Principles of Economics I	3	ECON 002	Principles of Economics II	3	
MATH 158	Calculus III	4	BCOM 320	Business Communication	3	
MATH 159	Differential Equations	4	MATH 189	Probability & Statistics I	3	
INFO 204	Management Info Systems	3	MATH 168	Actuarial Science Lab I	1	
MGMT 001	Career Counseling	1				
<b>Total</b>		<b>18</b>	<b>Total</b>		<b>14</b>	

**Junior Year (30 hours)**

<u>First Semester</u>			<u>Second Semester</u>		
<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>	<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
INFO 311	Quantitative Bus. Analysis	3	FINA 363	Financial Modeling & Analysis	3
FINA 312	Business Finance	3	BLAW 305	Business Law I	3
MATH 190	Probability & Statistics II	3	BECN 330	Managerial Economics	3
MKTG 301	Principles of Marketing	3	INSU 351	Life & Health Insurance	3
INSU 350	Risk and Insurance	3		Afro-American Elective	3
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>15</b>

**Senior Year (27 hours)**

<u>First Semester</u>			<u>Second Semester</u>		
<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>	<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
FINA 313	Financial Management	3	FINA 380	Bus. Fin. Policy & Dec. Making	3
INSU 352	Property Liability Insurance	3	INSU 354	Risk Management	3
MATH 193	Actuarial Science Seminar	3	INFO 335	Production & Operations Mgmt.	3
ECON 184	Introduction to Econometrics	3	MGMT 390	Business Policy	3
MGMT 301	Management & Org. Behavior	3			
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>12</b>

**School of Business**  
Undergraduate Curriculum Guide for the B.B.A. Degree in Finance –  
Risk Management & Insurance Concentration

IMPORTANT: \*A grade of "C" or better must be earned in each of the two required math courses in order to fulfill the math requirement and in order to enroll in each and every school of business junior-level and senior-level course. Only 3 credit hours will be awarded for each required math course.

**Freshman Year (31 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
<b>ENGW</b>	Freshman English	3	<b>ENGW</b>	Freshman English	3
<b>MATH 010</b>	College Algebra II*	4	<b>MATH 026</b>	Applied Calculus*	4
<b>INFO 010</b>	Business Problem Solving	2	<b>PSYC050</b>	Intro to Psychology	3
<b>MGMT 010</b>	Business Orientation	1	<b>MGMT 011</b>	Business Orientation II	1
<b>HIST</b>	History Elective	3	<b>HHPL</b>	Physical Education	1
	Foreign Language	3		Foreign Language (Level 2+)	3
<b>Total</b>		<b>16</b>	<b>Total</b>		<b>15</b>

**Sophomore Year (29 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
<b>ACCT 201</b>	Accounting Principles I	3	<b>ACCT 202</b>	Accounting Principles II	3
<b>ECON 001</b>	Principles of Economics I	3	<b>ECON 002</b>	Principles of Economics II	3
<b>MGMT 001</b>	Career Counseling	1	<b>ECON 180</b>	Statistics – Bus. & Economics	3
<b>HHPL</b>	Physical Education	1	<b>INFO 204</b>	Management Info Systems	3
	Afro-American Elective	3	<b>BCOM 320</b>	Business Communication	3
<b>ENGL</b>	Literature Elective	3	<b>Total</b>		<b>15</b>
<b>Total</b>		<b>14</b>			

**Junior Year (30 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
<b>INFO 311</b>	Quantitative Bus. Analysis	3	<b>INSU 351</b>	Life & Health Insurance	3
<b>FINA 312</b>	Business Finance	3	<b>FINA 363</b>	Financial Modeling & Analysis	3
<b>INSU 350</b>	Risk and Insurance	3	<b>BLAW 305</b>	Business Law I	3
<b>MKTG 301</b>	Principles of Marketing	3	<b>BECN 330</b>	Managerial Economics	3
	Science Elective	3	<b>ACCT 310</b>	Intermediate Accounting I	3
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>15</b>

**Senior Year (30 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
<b>FINA 313</b>	Financial Management	3	<b>FINA 380</b>	Bus. Fin. Policy & Dec. Making	3
<b>FINA 330</b>	Principles of Investments	3	<b>INSU 354</b>	Risk Management	3
<b>INSU 352</b>	Property Liability Insurance	3	<b>MGMT 351</b>	Entrepreneurship	3
<b>MGMT 301</b>	Management & Org. Behavior	3	<b>MGMT 390</b>	Business Policy	3
	Non-Business Elective	3	<b>INFO 335</b>	Production & Operations Mgmt	3
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>15</b>

## Undergraduate Curriculum Guide for the French Major (B.A.)

**Freshman Year (33 hours)**

<b>First Semester</b>			<b>Course #</b>			<b>Course Name</b>			<b>Credit Hrs</b>		
<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>	<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>	<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>	<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
<b>FREN 040</b>	Grammar Review	3	<b>FREN 052</b>	Reading/Writing Workshop	3						
<b>ENGL 002</b>	Freshman English	3				<b>ENGL 003</b>	Freshman English	3			
<b>FRSM 001</b>	Freshman Seminar	1				<b>Div. A</b>	Divisional	3			
<b>Div. A</b>	Divisional (Phil.)	3				<b>Div. B</b>	Divisional	3			
<b>Div. B</b>	Divisional	3				<b>Div. D</b>	Divisional	3			
<b>MATH</b>	Mathematics	3					Physical Education	1			
	Physical Education	1									
<b>Total</b>			<b>17</b>			<b>Total</b>			<b>16</b>		

**Second Semester****Sophomore Year (32 hours)**

<b>First Semester</b>			<b>Course #</b>			<b>Course Name</b>			<b>Credit Hrs</b>		
<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>	<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>	<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>	<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
<b>FREN 050</b>	French Oral Expressions I	3	<b>FREN 060</b>	Textual Analysis	3						
<b>ENGL</b>	Writing Course	3	<b>Div. C</b>	Divisional	3						
<b>Div. C</b>	Divisional	3	<b>Div. C</b>	Divisional	3						
<b>Div. D</b>	Divisional	3	<b>Div. D</b>	Divisional	3						
	General Elective	3		General Elective	3						
	Physical Education	1		Physical Education	1						
<b>Total</b>			<b>16</b>			<b>Total</b>			<b>16</b>		

**Second Semester****Junior Year (27 hours)**

<b>First Semester</b>			<b>Second Semester</b>		
<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>	<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
<b>FREN 085</b>	Survey of French Lit. & Civ. I	3	<b>FREN 080</b>	Survey of French Lit. & Civ. II	3
<b>FREN 077</b>	Advanced Grammar and Comp.	3	<b>FREN 085</b>	Survey of Afro. Caribbean French	3
<b>HUCO 101</b>	Speech	3		Minor Course	3
	General Elective	3		Minor Course	3
	General Elective	3			
<b>Total</b>			<b>Total</b>		
<b>15</b>			<b>12</b>		

**Senior Year (28 hours)**

<b>First Semester</b>			<b>Second Semester</b>		
<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>	<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
<b>FREN 150</b>	Survey of Afro-Franc Lit. & Civ.	3	<b>FREN</b>	French Elective	3
<b>FREN</b>	French Elective	3		General Electives	4
<b>FREN</b>	French Elective	3		Minor Course	3
	Minor Course	3		Minor Course	3
	Minor Course	3			
<b>Total</b>			<b>Total</b>		
<b>15</b>			<b>13</b>		



**College of Arts & Sciences**  
Undergraduate Curriculum Guide for the Health Education B.A. Degree

**Freshman Year (27 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
ENGW	Freshman Composition	3
FRSM 001	Freshman Seminar	1
MATH 006	College Algebra I	3
NUTR 161	Nutrition for Health Majors	3
HHPL	Physical Education	1
	Foreign Language	3
<b>Total</b>		<b>14</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
ENGW	Freshman English for Eng. Maj.	3
MATH 007	Pre-Calculus	4
HHPL 140	Human Growth and Development	3
HHPL	Physical Education	1
	Foreign Language	3
<b>Total</b>		<b>13</b>

**Sophomore Year (30 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
HHPL 157	Health Problems of Children	3
HHPL 163	Foundation of Health Promotion	3
AFRO 005	African American Studies I	3
DIV. A	Humanities Elective	3
	Foreign Language	3
<b>Total</b>		<b>15</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
HHPL 153	Human Sexuality	3
HHPL 165	Health of Women, Children & Fam	3
AFRO 006	African American Studies II	3
DIV. D	Natural Science Elective	3
DIV. A	Humanities Elective	3
<b>Total</b>		<b>15</b>

**Junior Year (33 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
HHPL 185	Field Work A	1
HHPL 755	Addictive Behavior	3
HHPL 152	Methods and Materials of Health	3
SLMC 101	Principles of Speech	3
DIV. D	Natural Science Elective	3
HHPL	Physical Education	1
<b>Total</b>		<b>17</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
ECON 001	Principles of Economics I	3
HHPL 167	MCH Elective	3
HHPL 186	Field Work B	1
HHPL 723	Research and Statistics - WRITG	3
	Minor	3
DIV. A	Humanities Elective	3
<b>Total</b>		<b>16</b>

**Senior Year (30 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
HLMN 201	Community Health	3
HHPL 187	Field Work C	1
ECON 002	Principles of Economics II	3
	Minor	3
	Minor	3
<b>Total</b>		<b>13</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
HHPL 179	Community Health Internship	9
PHIL	Philosophy	3
	Minor	3
HHPL	Physical Education	1
HHPL	Physical Education	1
<b>Total</b>		<b>17</b>

**College of Nursing and Allied Health**  
Undergraduate Curriculum Guide for Health Sciences B.S. – Health Management

**Freshman Year (32 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
<b>ENGL 002</b>	Freshman Composition	3	<b>ENGL 003</b>	Freshman Composition	3
<b>MATH 006/007</b>	College Algebra I or Precalculus	3	<b>MATH 010/156</b>	College Algebra II or Calculus I	4
<b>AHCC 110</b>	General Orientation	2	<b>PSYC 050</b>	Intro to Psychology	3
<b>HHPL</b>	Physical Education	1	<b>SOCI 001</b>	Intro to Sociology	3
<b>NUTR 160</b>	Nutrition or NUTR 161	3	<b>COMC 101</b>	Principles of Speech	3
<b>BIOL 101</b>	Biology Lecture/Lab I	4			
<b>Total</b>		<b>16</b>	<b>Total</b>		<b>16</b>

**Sophomore Year (29 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
<b>CHEM 003</b>	General Chemistry Lec. I	4	<b>HHPL 140</b>	Human Growth & Development	
<b>CHEM 005</b>	General Chemistry Lab I	1	<b>or HUDV 150</b>	Human Growth & Development	3
<b>AHCC 202</b>	Intro to Computers	3	<b>ECON 002</b>	Economics II	3
<b>ECON 001</b>	Economics I	3	<b>AFRO</b>	Afro American Studies	3
<b>AHCC 003</b>	Medical Terminology	2	<b>PHIL 051</b>	Principles of Reasoning	3
<b>ENGL 009</b>	Technical Writing	3	<b>HHPL</b>	Physical Education	1
<b>Total</b>		<b>16</b>	<b>Total</b>		<b>13</b>

**Junior Year (30 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
<b>MATH 009</b>	Intro to Statistics	4	<b>ACCT 201</b>	Accounting Principles I	3
<b>HLMN 102</b>	Intro to Health Management	3	<b>HLMN 409</b>	Health Management II	3
<b>MGMT 301</b>	Org. & Behav. Management	3	<b>INFO 204</b>	Info System Management	3
<b>HLMN 405</b>	Health Care Finance	3	<b>AHCC 375</b>	Geriatrics/Long Term	2
<b>HLMN 201</b>	Community Health	3	<b>MGMT 305</b>	Human Resource Mgmt.	3
<b>Total</b>		<b>16</b>	<b>Total</b>		<b>14</b>

**Senior Year (29 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
<b>AHCC 310</b>	Ethics for Health Professions	2	<b>HLMN</b>	Elective	3
<b>HLMN 401</b>	Global Health	3	<b>HLMN 404</b>	Health Policy	3
<b>HLMN 406</b>	Epidemiology/Research	3	<b>HLMN 407</b>	Grant Writing & Mgmt	3
<b>HLMN 402</b>	Administrative Internship I	3	<b>HLMN 408</b>	Capstone Health Seminar	3
	General Elective	3	<b>HLMN 402</b>	Adm. Internship II or Elective	3
<b>Total</b>		<b>14</b>	<b>Total</b>		<b>15</b>

**College of Arts & Sciences**

Undergraduate Curriculum Guide for the Human Performance B.A. Degree

**Freshman Year (31 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
ENGW	Freshman Composition	3
FRSM 001	Freshman Seminar	1
CHEM 003	General Chemistry I	4
CHEM 005	General Chemistry I Lab	1
MATH 006	College Algebra I	3
	Foreign Language	3
<b>Total</b>		<b>15</b>

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
ENGW	Freshman Composition	3
CHEM 004	General Chemistry II	4
CHEM 006	General Chemistry II Lab	1
MATH 007	PreCalculus	4
HHPL	Physical Education	1
	Foreign Language	3
<b>Total</b>		<b>16</b>

**Sophomore Year (29 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
CHEM 141	Organic Chemistry I	3
BIOL 101	General Biology I	3
AFRO 005	African American Studies I	3
DIV. A	Humanities Elective	3
HHPL	Physical Education	1
	Foreign Language	3
<b>Total</b>		<b>16</b>

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
CHEM 142	Organic Chemistry II	3
BIOL 102	General Biology II	4
AFRO 006	African American Studies II	3
	Foreign Language	3
<b>Total</b>		<b>13</b>

**Junior Year (33 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
SLMC 101	Principles of Speech	3
PHYS 001	Physics I	5
CHEM 145	Organic Chemistry Lab	3
HHPL 102	Anatomy	4
HHPL	Physical Education	1
<b>Total</b>		<b>16</b>

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
PHYS 002	Physics II	5
ECON 001	Principles of Economics I	3
HHPL 103	Physiology	3
HHPL 723	Research and Statistics	3
DIV. A	Humanities Elective	3
<b>Total</b>		<b>17</b>

**Senior Year (27 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
HHPL 107	Exercise Physiology I	3
HHPL 118	Athletic Training	3
HHPL 104	Kinesiology	3
ECON 002	Principles of Economics II	3
DIV. A	Humanities Elective	3
<b>Total</b>		<b>15</b>

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
HHPL 140	Human Growth and Development	3
HHPL 130	Exercise Physiology II	3
PHIL	Intro to Philosophy	3
DIV. A	Humanities Elective	3
<b>Total</b>		<b>12</b>

**College of Arts & Sciences**  
Undergraduate Curriculum Guide for the History B.A. Degree

**Freshman Year (33 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>
<b><u>Hrs</u></b>			<b><u>Hrs</u></b>		
ENGW	Freshman English	3	ENGW	Freshman English	3
FRSM 001	Freshman Seminar	1	HIST	Lect. In Concentration	3
	Foreign Language	3	DIV. D	Mathematics	4
HIST	Lect. In Concentration	3		Foreign Language	3
DIV. A	Humanities Elective	3	HHPL	Physical Education	1
DIV. D	Mathematics	3	DIV. A	Humanities Elective	3
<b>Total</b>		<b>16</b>	<b>Total</b>		<b>17</b>

**Sophomore Year (32 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>
<b><u>Hrs</u></b>			<b><u>Hrs</u></b>		
SLMC 101	Principles of Speech	3	HIST	Black Diaspora I or II	3
HHPL	Physical Education	1	PHIL	Philosophy	3
	Foreign Language	3	HHPL	Physical Education	1
DIV. A	Humanities Elective	3		Foreign Language	3
HIST	Major Elective	3	DIV. D	Natural Science Elective	3
HIST	Intro to History	3	DIV. A	Humanities Elective	3
<b>Total</b>		<b>16</b>	<b>Total</b>		<b>16</b>

**Junior Year (30 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>
<b><u>Hrs</u></b>			<b><u>Hrs</u></b>		
HIST	Major Elective	3	HIST	Seminar	3
HIST 700	History Intensive Writing	3	HIST	Major Elective	3
	Minor	3		Minor	3
	Minor	3	DIV. D	Natural Science Elective	3
DIV. B	Social Science Elective	3	DIV. B	Social Science Elective	3
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>15</b>

**Senior Year (26 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>
<b><u>Hrs</u></b>			<b><u>Hrs</u></b>		
HIST	Major Elective	1	HIST	Major Elective	3
HIST	Major Elective	3		General Education Elective	3
	General Education Elective	3		Minor	3
	General Education Elective	3		Minor or Gen. Ed. Elective	3
	Minor	3	HHPL	Physical Education	1
<b>Total</b>		<b>13</b>	<b>Total</b>		<b>13</b>

**School of Education**  
Undergraduate Curriculum Guide for the B.S. Degree in Human Development

**IMPORTANT: \*A grade of "C" or better must be earned in each of the two required math courses in order to fulfill the math requirement and in order to enroll in each and every school of business junior-level and senior-level course. Only 3 credit hours will be awarded for each required math course.**

**Freshman Year (32 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
ENGL 002	Freshman English	3	ENGL 003	Freshman English	3
HUDV 095	Hum. Dev. Fam. Cul. & Society	3	HUDV 113	Pre, Infancy & ECD	3
MATH 006	College Algebra I	3	SOCI 001	Intro to Sociology	3
COMP 001	Life Sciences	3	PHIL	Philosophy Elective	3
PSYC 050	Intro to Psychology	3	COMP 004	Computers & Society	3
HUDV 001	Freshman Orientation	1	HHPL	Physical Education	1
<b>Total</b>		<b>16</b>	<b>Total</b>		<b>16</b>

**Sophomore Year (32 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
HUDV 114	Growth and Development	3	HUDV 150	Positive Aging in Adult Dev.	3
HHPL 102	Human Anatomy	3	HHPL 103	Human Physiology	3
HHPL 108	Human Anatomy Lab	1	ECON 001	Economics	3
SLMC 101	Speech	3	MATH	Statistics II	4
	Foreign Language	4		Foreign Language	4
MATH	Statistics I	4			
<b>Total</b>		<b>18</b>	<b>Total</b>		<b>17</b>

**Junior Year (31 hours)**

<b><u>First Semester</u></b>			<b><u>Course # Course Name Credit Hrs</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
HUDV 119	Diverse Children of Color	3	HUDV 141	Risk & Resilience in Family & Intimate Relationships	3
HUDV 148	Research Human Development	3	HUDV 118	Youth Placed at Risk and Their Resilience	3
POLS 010	Political Science	3	HUDV 120	Theories in Human Development	3
HHPL	Physical Education	1	NUTR 160	Nutrition	3
	Minor	3	AFRO	Afro-American Studies	3
	Minor	3			
<b>Total</b>		<b>16</b>	<b>Total</b>		<b>15</b>

**Second Semester**

**Senior Year (24 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
HUDV 149	Youth, Consumer Culture, and The Earth	3	HUDV 143	Parentology: Theory, Research & Support Systems	3
HUDV 169	Internship in Human Dev	6		Minor	3
HUDV 151	Thanatology	3		Minor	3
	Minor	3			
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>9</b>

**School of Business**

Undergraduate Curriculum Guide for the B.B.A. Degree in International Business

**Freshman Year (31 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
<b>ENGW</b>	Freshman Composition	3	<b>ENGW</b>	Freshman Composition	3
<b>MATH 010</b> 4	College Algebra II*		<b>MATH 026</b>	Applied Calculus*	4
<b>INFO 010</b>	Business Problem Solving	2	<b>PSYC050</b>	Intro to Psychology	3
<b>MGMT 010</b>	Business Orientation	1	<b>MGMT 011</b>	Business Orientation II	1
<b>HHPL</b>	Physical Education	1		Afro-American Elective	3
	Foreign Language (level 2+)**	3		Foreign Language (Level 3+)	3
<b>Total</b>		<b>14</b>	<b>Total</b>		<b>17</b>

**Sophomore Year (28 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
<b>ACCT 201</b>	Accounting Principles I	3	<b>ACCT 202</b>	Accounting Principles II	3
<b>ECON 001</b>	Principles of Economics I	3	<b>ECON 002</b>	Principles of Economics II	3
<b>INFO 204</b>	Management Info Systems	3	<b>ECON 180</b>	Statistics – Bus. & Economics	3
<b>MGMT 001</b> 1	Career Counseling		<b>BCOM 320</b>	Business Communication	3
	Foreign Language (level 4+)	3	<b>HHPL</b>	Physical Education	1
				Foreign Language (Conversation)	3
<b>Total</b>		<b>13</b>	<b>Total</b>		<b>15</b>

**Junior Year (31 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
<b>INFO 311</b>	Quantitative Bus. Analysis	3	<b>INFO 335</b>	Production & Operations Mgmt.	3
<b>INBU 300</b>	Principles of Int'l Business	3	<b>INBU 320</b>	International Marketing	3
<b>MGMT 301</b>	Management & Org. Behavior	3	<b>FINA 311</b>	Finance Principles***	3
<b>MKTG 301</b>	Principles of Marketing	3	<b>ANTH 110</b>	Intro to Cultural Anthropology	3
<b>BLAW 305</b>	Business Law I	3		Science Elective	4
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>16</b>

**Senior Year (30 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
<b>INBU 340</b>	Int'l Financial Management	3	<b>INBU 360</b>	Management of Int'l Business	3
<b>INBU</b>	Int'l Business Elective	3	<b>MGMT 390</b>	Business Policy	3
<b>BECN 330</b>	Managerial Economics	3		Functional Area <sup>1</sup>	3
	Functional Area <sup>1</sup>	3		Functional Area <sup>1</sup>	3
	Functional Area <sup>1</sup>	3	<b>POLS 001</b>	Intro to Political Science	3
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>15</b>

**IMPORTANT: \*A grade of "C" or better must be earned in each of the two required math courses in order to fulfill the math requirement and in order to enroll in each and every school of business junior-level and senior-level course. Only 3 credit hours will be awarded for each required math course.**

**\*\*International business majors must complete a minimum of 4 semesters of a non-native foreign language, starting at level two or above, with one semester at the conversational level. IB majors who complete the conversational level in less than four semesters may choose to take another language until the four-semester foreign language minimum is completed.**

**\*\*\*International Business majors with a Functional Area Concentration in Finance must enroll in FINA 312.**

**<sup>3</sup> Students must select a Functional or Regional Concentration.**

**College of Arts & Sciences**  
Undergraduate Curriculum Guide for the Leisure Studies B.A. Degree

**Freshman Year (29 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>
<b><u>Hrs</u></b>			<b><u>Hrs</u></b>		
ENGW	Freshman Composition	3	ENGW	Freshman Composition	3
FRSM 001	Freshman Seminar	1	MATH 007	PreCalculus	4
MATH 006	College Algebra I	3	PHYS 050	Intro to Psychology	3
HHPL 141	Intro to Sports Management	3	HHPL 144	Sports Law	3
	Foreign Language	3		Foreign Language	3
<b>Total</b>		<b>13</b>	<b>Total</b>		<b>16</b>

**Sophomore Year (32 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>
<b><u>Hrs</u></b>			<b><u>Hrs</u></b>		
HHPL 145	Sports Marketing	3	HHPL148	Sports Governance	3
HHPL 147	Sports & The Media	3	HHPL 149	Facilities & Event Management	3
AFRO 005	African American Studies I	3	AFRO 006	African American Studies II	3
DIV. A	Humanities Elective	3	DIV. D	Natural Science Elective	3
HHPL	Physical Education	1	HHPL	Physical Education	1
	Foreign Language	3		Foreign Language	3
<b>Total</b>		<b>16</b>	<b>Total</b>		<b>16</b>

**Junior Year (31 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>
<b><u>Hrs</u></b>			<b><u>Hrs</u></b>		
SLMC 101	Principles of Speech	3	ECON 001	Principles of Economics I	3
HHPL 150	Management & Leadership in Sports	3	HHPL 221	Budget & Finance in Sports	3
DIV. A	Humanities Elective	3	HHPL 723	Research and Statistics	3
DIV. D	Natural Science Elective	3		Minor Course	3
	Minor Course	3	DIV. A	Humanities Elective	3
HHPL	Physical Education	1			
<b>Total</b>		<b>16</b>	<b>Total</b>		<b>15</b>

**Senior Year (28 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>
<b><u>Hrs</u></b>			<b><u>Hrs</u></b>		
HHPL 717	Role of Sports in Society	3	HHPL 151	Sports Management Internship	6
	Minor Course	3	PHIL	Philosophy	3
	Minor Course	3	HHPL	Physical Education	1
ECON 002	Principles of Economics II	3	DIV. A	Humanities Elective	3
HHPL	Major Elective	3			
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>13</b>



**School of Business**

Undergraduate Curriculum Guide for the B.B.A. Degree in Management

IMPORTANT: \*A grade of "C" or better must be earned in each of the two required math courses in order to fulfill the math requirement and in order to enroll in each and every school of business junior-level and senior-level course. Only 3 credit hours will be awarded for each required math course.

**Freshman Year (30 hours)**

<b>First Semester</b>			<b>Second Semester</b>			<b>Total</b>
<b>Course #</b>	<b>Course Name</b>	<b>Credit</b>	<b>Course #</b>	<b>Course Name</b>	<b>Credit</b>	
<b>Hrs</b>			<b>Hrs</b>			
<b>ENGW</b>	Freshman Composition	3	<b>ENGW</b>	Freshman Composition	3	
<b>MATH 010</b>	College Algebra II*		<b>MATH 026</b>	Applied Calculus*	4	
4			<b>PSYC050</b>	Intro to Psychology	3	
<b>INFO 010</b>	Business Problem Solving	1	<b>MGMT 011</b>	Business Orientation II	1	
<b>MGMT 010</b>	Business Orientation	1		Foreign Language (Level 2+)	3	
<b>HIST/POLS</b>	History or Political Sci. Elective	3				
	Foreign Language	3				
						<b>Total 16</b>
						<b>Total 14</b>

**Sophomore Year (30 hours)**

<b>First Semester</b>			<b>Second Semester</b>			<b>Total</b>
<b>Course #</b>	<b>Course Name</b>	<b>Credit</b>	<b>Course #</b>	<b>Course Name</b>	<b>Credit</b>	
<b>Hrs</b>			<b>Hrs</b>			
<b>ACCT 201</b>	Accounting Principles I	3	<b>ACCT 202</b>	Accounting Principles II	3	
<b>ECON 001</b>	Principles of Economics I	3	<b>ECON 002</b>	Principles of Economics II	3	
<b>HHPL</b>	Physical Education	1	<b>ECON 180</b>	Statistics – Bus. & Economics	3	
	Afro-American Elective	3	<b>INFO 204</b>	Management Info Systems	3	
<b>MGMT 001</b>	Career Counseling		<b>BCOM 320</b>	Business Communication	3	
1			<b>HHPL</b>	Physical Education	1	
<b>ENGL</b>	Literature Elective	3				
						<b>Total 16</b>
						<b>Total 14</b>

**Junior Year (30 hours)**

<b>First Semester</b>			<b>Second Semester</b>			<b>Total</b>
<b>Course #</b>	<b>Course Name</b>	<b>Credit</b>	<b>Course #</b>	<b>Course Name</b>	<b>Credit</b>	
<b>Hrs</b>			<b>Hrs</b>			
<b>INFO 311</b>	Quantitative Bus. Analysis	3	<b>INFO 335</b>	Production & Operations Mgmt.	3	
<b>FINA 311</b>	Finance Principles	3	<b>MGMT 302</b>	Advanced Org. Behavior	3	
<b>MGMT 301</b>	Management & Org. Behavior	3	<b>BLAW 305</b>	Business Law I	3	
<b>MKTG 301</b>	Principles of Marketing	3	<b>MGMT 303</b>	Human Resource Management	3	
	Science Elective	3		Non-Business Elective	3	
						<b>Total 15</b>
						<b>Total 15</b>

**Senior Year (30 hours)**

<b>First Semester</b>			<b>Second Semester</b>			<b>Total</b>
<b>Course #</b>	<b>Course Name</b>	<b>Credit</b>	<b>Course #</b>	<b>Course Name</b>	<b>Credit</b>	
<b>Hrs</b>			<b>Hrs</b>			
<b>MGMT 331</b>	Decision Making	3	<b>MGMT 380</b>	Seminar in Management	3	
<b>MGMT 351</b>	Entrepreneurship	3	<b>MGMT 390</b>	Business Policy	3	
<b>MGMT</b>	MGMT 304 or MGMT 350	3	<b>MGMT</b>	Management Elective	3	
<b>MGMT</b>	Management Elective	3	<b>PHIL</b>	Philosophy Elective	3	
<b>BEEN 330</b>	Managerial Economics	3		Non-Business Elective	3	
						<b>Total 15</b>
						<b>Total 15</b>

**School of Business**

Undergraduate Curriculum Guide for the B.B.A. Degree in Management -- Marketing

IMPORTANT: \*A grade of "C" or better must be earned in each of the two required math courses in order to fulfill the math requirement and in order to enroll in each and every school of business junior-level and senior-level course. Only 3 credit hours will be awarded for each required math course.

**Freshman Year (31 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b>Course #</b>	<b>Course Name</b>	<b>Credit</b>	<b>Course #</b>	<b>Course Name</b>	<b>Credit</b>
<b>Hrs</b>			<b>Hrs</b>		
<b>ENGW</b>	Freshman Composition	3	<b>ENGW</b>	Freshman Composition	3
<b>MATH 010</b>	College Algebra II*		<b>MATH 026</b>	Applied Calculus*	4
4			<b>PSYC050</b>	Intro to Psychology	3
<b>INFO 010</b>	Business Problem Solving	2	<b>MGMT 011</b>	Business Orientation II	1
<b>MGMT 010</b>	Business Orientation	1	<b>HHPL</b>	Physical Education	1
<b>HIST</b>	History Elective	3		Foreign Language (Level 2+)	3
	Foreign Language	3	<b>Total</b>		
<b>Total</b>		<b>16</b>	<b>15</b>		

**Sophomore Year (29 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>			<b>Total</b>
<b>Course #</b>	<b>Course Name</b>	<b>Credit</b>	<b>Course #</b>	<b>Course Name</b>	<b>Credit</b>	
<b>Hrs</b>			<b>Hrs</b>			
<b>ACCT 201</b>	Accounting Principles I	3	<b>ACCT 202</b>	Accounting Principles II	3	
<b>ECON 001</b>	Principles of Economics I	3	<b>ECON 002</b>	Principles of Economics II	3	
<b>INFO 204</b>	Management Info Systems	3	<b>ECON 180</b>	Statistics – Bus. & Economics	3	
<b>HHPL</b>	Physical Education	1	<b>BCOM 320</b>	Business Communication	3	
<b>MGMT 001</b>	Career Counseling		<b>ENGL</b>	Literature Elective	3	
1			<b>Total</b>			<b>14</b>
	Afro-American Elective	3	<b>15</b>			

**Junior Year (30 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b>Course #</b>	<b>Course Name</b>	<b>Credit</b>	<b>Course #</b>	<b>Course Name</b>	<b>Credit</b>
<b>Hrs</b>			<b>Hrs</b>		
<b>INFO 311</b>	Quantitative Bus. Analysis	3	<b>INFO 335</b>	Production & Operations Mgmt.	3
<b>FINA 311</b>	Finance Principles	3	<b>MKTG 315</b>	Marketing Research	3
<b>MGMT 301</b>	Management & Org. Behavior	3	<b>MKTG 310</b>	Consumer Behavior	3
<b>MKTG 301</b>	Principles of Marketing	3	<b>BLAW 305</b>	Business Law I	3
	Science Elective	3	<b>PHIL</b>	Philosophy Elective	3
<b>Total</b>		<b>15</b>	<b>Total</b>		
			<b>15</b>		

**Senior Year (30 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b>Course #</b>	<b>Course Name</b>	<b>Credit</b>	<b>Course #</b>	<b>Course Name</b>	<b>Credit</b>
<b>Hrs</b>			<b>Hrs</b>		
<b>MKTG 320</b>	Marketing Communications		<b>MKTG 361</b>	Computer Applications in Mktg.	3
3			<b>MKTG 399</b>	Mktg. Planning & Strategy	3
<b>MKTG</b>	Marketing Elective	3	<b>MKTG</b>	Marketing Elective	3
<b>MGMT 351</b>	Entrepreneurship	3	<b>MGMT 390</b>	Business Policy	3
<b>BECN 330</b>	Managerial Economics	3		Non-Business Elective	3
<b>POLS</b>	Political Science Elective	3	<b>Total</b>		
<b>Total</b>		<b>15</b>	<b>15</b>		

**School of Business**  
Undergraduate Curriculum Guide for the B.B.A. Degree in Management –  
Hospitality Management Concentration

IMPORTANT: \*A grade of "C" or better must be earned in each of the two required math courses in order to fulfill the math requirement and in order to enroll in each and every school of business junior-level and senior-level course. Only 3 credit hours will be awarded for each required math course.

**Freshman Year (30 hours)**

<u>First Semester</u>			<u>Second Semester</u>			<b>Total</b>	<b>16</b>
<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>	<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>		
<u>Hrs</u>			<u>Hrs</u>				
<b>ENGW</b>	Freshman Composition	3	<b>ENGL 003</b>	Freshman English	3		
<b>MATH 010</b>	College Algebra II*		<b>MATH 026</b>	Applied Calculus*	4		
4			<b>PSYC050</b>	Intro to Psychology	3		
<b>INFO 010</b>	Business Problem Solving	2	<b>MGMT 011</b>	Business Orientation II	1		
<b>MGMT 010</b>	Business Orientation	1		Foreign Language (Level 2+)	3		
<b>HIST</b>	History Elective	3					
	Foreign Language	3				<b>Total</b>	<b>14</b>

**Sophomore Year (30 hours)**

<u>First Semester</u>			<u>Second Semester</u>			<b>Total</b>	<b>16</b>
<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>	<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>		
<u>Hrs</u>			<u>Hrs</u>				
<b>ACCT 201</b>	Accounting Principles I	3	<b>ACCT 202</b>	Accounting Principles II	3		
<b>ECON 001</b>	Principles of Economics I	3	<b>ECON 002</b>	Principles of Economics II	3		
<b>HOSP 300</b>	Intro to Hospitality Industry	3	<b>ECON 180</b>	Statistics – Bus. & Economics	3		
<b>HHPL</b>	Physical Education	1	<b>INFO 204</b>	Management Info Systems	3		
<b>MGMT 001</b>	Career Counseling		<b>BCOM 320</b>	Business Communication	3		
1			<b>HHPL</b>	Physical Education	1		
	Afro-American Elective	3				<b>Total</b>	<b>16</b>
	<b>Total</b>	<b>14</b>					

**Junior Year (30 hours)**

<u>First Semester</u>			<u>Second Semester</u>			<b>Total</b>	<b>15</b>
<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>	<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>		
<u>Hrs</u>			<u>Hrs</u>				
<b>INFO 311</b>	Quantitative Bus. Analysis	3	<b>INFO 335</b>	Production & Operations Mgmt.	3		
<b>FINA 311</b>	Finance Principles	3	<b>HOSP 303</b>	Food Service Management	3		
<b>MGMT 301</b>	Management & Org. Behavior	3	<b>HOSP</b>	Hospitality Management Elective	3		
<b>MKTG 301</b>	Principles of Marketing	3	<b>BLAW 305</b>	Business Law I	3		
	Science Elective	3	<b>PHIL</b>	Philosophy Elective	3		
	<b>Total</b>	<b>15</b>				<b>Total</b>	<b>15</b>

**Senior Year (30 hours)**

<u>First Semester</u>			<u>Second Semester</u>			<b>Total</b>	<b>15</b>
<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>	<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>		
<u>Hrs</u>			<u>Hrs</u>				
<b>HOSP 301</b>	Hotel/Motel/Restaurant Mgmt.	3	<b>MGMT 380</b>	Seminar in Management	3		
<b>HOSP</b>	Hospitality Management Elective	3	<b>MGMT 351</b>	Entrepreneurship	3		
<b>BECN 330</b>	Managerial Economics	3	<b>MGMT 390</b>	Business Policy	3		
<b>MGMT</b>	MGMT 304 or MGMT 350	3		Non-Business Elective	3		
	Non-Business Elective	3	<b>ENGL</b>	Literature Elective	3		
	<b>Total</b>	<b>15</b>				<b>Total</b>	<b>15</b>

**College of Arts & Sciences**

Undergraduate Curriculum Guide for the Applied Mathematics – Biology & Physics Concentration B.S. Degree

**IMPORTANT: \*Students should complete one of their divisional requirements within the African American course cluster.**

**\*\*Unless the instructor permits an exception, this course requires 159 as a prerequisite.**

**Freshman Year (31 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>
<u>Hrs</u>		
<b>SYCS 135</b>	Computer Science	
4		
<b>MATH 156</b>	Calculus I	4
<b>FRSM 001</b>	Freshman Seminar	1
<b>ENGW</b>	Freshman Composition	3
<b>DIV. A</b>	Humanities Elective	3
<b>Total</b>		<b>15</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>
<u>Hrs</u>		
<b>ENGW</b>	Freshman Composition	3
<b>MATH 101</b>	Proof & Problem Solving I	1
<b>MATH 157</b>	Calculus II	4
<b>BIOL/PHYS</b>	Gen. Bio I or Phys. I/Lab	4
<b>HHPL</b>	Physical Education	1
<b>DIV. A</b>	Humanities Elective	3
<b>Total</b>		<b>16</b>

**Sophomore Year (29 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>
<u>Hrs</u>		
<b>MATH 158</b>	Calculus III	4
<b>MATH 102</b>	Proof & Problem Solving II	1
<b>DIV. A</b>	Humanities Elective	3
	Foreign Language	3
<b>BIOL/PHYS</b>	Gen. Bio II or Phys. II/Lab	4
<b>Total</b>		<b>15</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>
<u>Hrs</u>		
<b>MATH 159</b>	Differential Equations	4
<b>MATH 180</b>	Linear Algebra	3
<b>PHIL</b>	Philosophy	3
	Foreign Language	3
<b>HHPL</b>	Physical Education	1
<b>Total</b>		<b>14</b>

**Junior Year (30 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>
<u>Hrs</u>		
<b>MATH 160</b>	Advanced Calculus	3
<b>MATH 195</b>	Intro to Analysis I	3
<b>BIOL/PHYS</b>	Bio or Phys. Elective	3
	Foreign Language	3
	General Elective	3
<b>Total</b>		<b>15</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>
<u>Hrs</u>		
<b>MATH 164</b>	Numerical Analysis**	3
<b>ENGL</b>	Writing Course	3
<b>DIV. A</b>	Humanities Elective	3
<b>DIV. B</b>	Social Science Elective*	3
	Foreign Language	3
<b>Total</b>		<b>15</b>

**Senior Year (30 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>
<u>Hrs</u>		
<b>MATH 189</b>	Probability and Statistics I	3
<b>MATH 197</b>	Advanced Algebra	
3		
<b>DIV. B</b>	Social Science Elective	3
<b>DIV. C</b>	Social Science Elective	3
	General Elective	3
<b>Total</b>		<b>15</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>
<u>Hrs</u>		
<b>MATH</b>	Major Elective	3
<b>DIV. C</b>	Social Science Elective	3
<b>SLMC 101</b>	Principles of Speech	3
	General Elective	3
	General Elective	3
<b>Total</b>		<b>15</b>

**College of Arts & Sciences**

Undergraduate Curriculum Guide for the Applied Mathematics – Chemistry Concentration B.S. Degree

**IMPORTANT: \*Students should complete one of their divisional requirements within the African American course cluster.**

**\*\*Unless the instructor permits an exception, this course requires 159 as a prerequisite.**

**Freshman Year (31 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b>Course #</b>	<b>Course Name</b>	<b>Credit</b>	<b>Course #</b>	<b>Course Name</b>	<b>Credit</b>
<b>Hrs</b>			<b>Hrs</b>		
<b>SYCS 135</b>	Computer Science I	4	<b>MATH 157</b>	Calculus II	4
<b>MATH 156</b>	Calculus I	4	<b>MATH 101</b>	Proof & Problem Solving I	1
<b>FRSM 001</b>	Freshman Seminar	1	<b>ENGW</b>	Freshman Composition	3
<b>ENGW</b>	Freshman Composition	3	<b>CHEM 004/6</b>	Gen. Chem. II & Lab	5
<b>CHEM 003/5</b>	Gen. Chem. I & Lab	5	<b>HHPL</b>	Physical Education (Swimming)	1
<b>Total</b>			<b>Total</b>		
		<b>17</b>			<b>14</b>

**Sophomore Year (31 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b>Course #</b>	<b>Course Name</b>	<b>Credit</b>	<b>Course #</b>	<b>Course Name</b>	<b>Credit</b>
<b>Hrs</b>			<b>Hrs</b>		
<b>MATH 158</b>	Calculus III	4	<b>MATH 159</b>	Differential Equations	4
<b>MATH 102</b>	Proof & Problem Solving II	1	<b>MATH 180</b>	Linear Algebra	3
<b>SYCS 136</b>	Computer Science II	3	<b>PHIL</b>	Philosophy	3
<b>DIV. A</b>	Humanities Elective	3		Foreign Language	3
<b>HHPL</b>	Physical Education	1	<b>DIV. A</b>	Humanities Elective	3
	Foreign Language	3			
<b>Total</b>			<b>Total</b>		
		<b>15</b>			<b>16</b>

**Junior Year (31 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b>Course #</b>	<b>Course Name</b>	<b>Credit</b>	<b>Course #</b>	<b>Course Name</b>	<b>Credit</b>
<b>Hrs</b>			<b>Hrs</b>		
<b>MATH 195</b>	Intro to Analysis I	3	<b>MATH 164</b>	Numerical Analysis**	3
<b>MATH</b>	Math Elective	3	<b>ENGL</b>	Writing Course	3
<b>CHEM</b>	Chemistry Elective	4	<b>DIV. A</b>	Humanities Elective	3
	Foreign Language	3	<b>DIV. B*</b>	Social Science Elective	3
	General Elective	3		Foreign Language	3
<b>Total</b>			<b>Total</b>		
		<b>16</b>			<b>15</b>

**Senior Year (27 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b>Course #</b>	<b>Course Name</b>	<b>Credit</b>	<b>Course #</b>	<b>Course Name</b>	<b>Credit</b>
<b>Hrs</b>			<b>Hrs</b>		
<b>MATH 189</b>	Probability and Statistics I	3	<b>MATH</b>	Major Elective	3
<b>MATH 197</b>	Advanced Algebra	3	<b>DIV. A</b>	Humanities Elective	3
3			<b>DIV. C</b>	Humanities Elective	3
<b>DIV. B</b>	Social Science Elective	3	<b>SLMC 101</b>	Principles of Speech	3
<b>DIV. C</b>	Social Science Elective	3			
	General Elective	3			
<b>Total</b>			<b>Total</b>		
		<b>15</b>			<b>12</b>

**College of Arts & Sciences**

Undergraduate Curriculum Guide for Applied Mathematics – Computer Science Concentration B.S. Degree

**IMPORTANT: \*Students should complete one of their divisional requirements within the African American course cluster.**

**Freshman Year (31 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>
<b><u>Hrs</u></b>			<b><u>Hrs</u></b>		
<b>SYCS 135</b>	Computer Science I	4	<b>SYCS 136</b>	Computer Science II	3
<b>MATH 156</b>	Calculus I	4	<b>MATH 101</b>	Proof & Problem Solving I	1
<b>FRSM 001</b>	Freshman Seminar	1	<b>MATH 157</b>	Calculus II	4
<b>ENGW</b>	Freshman Composition	3	<b>ENGW</b>	Freshman Composition	3
<b>DIV. A*</b>	Humanities Elective	3	<b>HHPL</b>	Physical Education	1
	Physical Education	1	<b>DIV. A</b>	Humanities Elective	3
<b>Total</b>		<b>16</b>	<b>Total</b>		<b>15</b>

**Sophomore Year (31 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>
<b><u>Hrs</u></b>			<b><u>Hrs</u></b>		
<b>MATH 158</b>	Calculus III	4	<b>SYCS 354</b>	Computer Science III	3
<b>MATH 102</b>	Proof & Problem Solving II	1	<b>MATH 159</b>	Differential Equations	4
<b>MATH 181</b>	Discrete Structures	3	<b>MATH 164</b>	Numerical Analysis	3
	Foreign Language	3	<b>PHIL</b>	Philosophy	3
<b>DIV. D</b>	Divisional	3	<b>DIV. A</b>	Humanities Elective	3
<b>HHPL</b>	Physical Education	1			
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>16</b>

**Junior Year (30 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>
<b><u>Hrs</u></b>			<b><u>Hrs</u></b>		
<b>SYCS 470</b>	Computer Science	3	<b>MATH 180</b>	Linear Algebra	3
			<b>ENGL</b>	Writing Course	3
<b>MATH 195</b>	Intro to Analysis I	3	<b>DIV. B*</b>	Social Science Elective	3
<b>DIV. A</b>	Humanities Elective	3	<b>DIV. D</b>	Natural Science Elective	3
<b>DIV. D</b>	Natural Science Elective	3		Foreign Language	3
	Foreign Language	3	<b>Total</b>		<b>15</b>
<b>Total</b>		<b>15</b>			

**Senior Year (28 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>
<b><u>Hrs</u></b>			<b><u>Hrs</u></b>		
<b>MATH 189</b>	Probability and Statistics I	3	<b>MATH</b>	Math Elective	3
<b>MATH 197</b>	Advanced Algebra	3	<b>DIV. C</b>	Social Science Elective	3
				Foreign Language	3
<b>DIV. B</b>	Social Science Elective	3	<b>HHPL</b>	Physical Education	1
<b>DIV. C</b>	Social Science Elective	3		General Elective	3
<b>SLMC 101</b>	Principles of Speech	3	<b>Total</b>		<b>13</b>
<b>Total</b>		<b>15</b>			

**College of Arts & Sciences**

Undergraduate Curriculum Guide for Applied Mathematics – Economics

**IMPORTANT: \*Students should complete one of their divisional requirements within the African American course cluster.**

**Freshman Year (30 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>
<u>Hrs</u>		
<b>MATH 156</b>	Calculus I	4
<b>SYCS 135</b>	Computer Science	4
<b>ENGW</b>	Freshman Composition	3
<b>FRSM 001</b>	Freshman Seminar	1
<b>DIV. A*</b>	Humanities Elective	3
<b>Total</b>		<b>15</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>
<u>Hrs</u>		
<b>MATH 157</b>	Calculus II	4
<b>MATH 101</b>	Proof & Problem Solving I	1
<b>ENGL 003</b>	Freshman English	3
<b>DIV. A</b>	Humanities Elective	3
<b>DIV. D</b>	Natural Science Elective	3
<b>HHPL</b>	Physical Education	1
<b>Total</b>		<b>15</b>

**Sophomore Year (29 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>
<u>Hrs</u>		
<b>MATH 158</b>	Calculus III	4
<b>MATH 102</b>	Proof & Problem Solving II	1
<b>ECON 001</b>	Economics I	3
<b>DIV. A</b>	Humanities Elective	3
	Foreign Language	3
<b>HHPL</b>	Physical Education	1
<b>Total</b>		<b>15</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>
<u>Hrs</u>		
<b>MATH 159</b>	Differential Equations	4
<b>MATH 164</b>	Numerical Analysis	3
<b>PHIL</b>	Philosophy	3
	Foreign Language	3
<b>HHPL</b>	Physical Education	1
<b>Total</b>		<b>14</b>

**Junior Year (30 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>
<u>Hrs</u>		
<b>MATH 160</b>	Advanced Calculus	3
<b>MATH 195</b>	Intro to Analysis I	3
<b>ECON 002</b>	Economics II	3
<b>DIV. D</b>	Natural Science Elective	3
	Foreign Language	3
<b>Total</b>		<b>15</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>
<u>Hrs</u>		
<b>MATH 180</b>	Linear Algebra	3
<b>ENGL</b>	Writing Course	3
<b>DIV. A</b>	Humanities Elective	3
<b>DIV. B*</b>	Social Science Elective	3
	Foreign Language	3
<b>Total</b>		<b>15</b>

**Second Semester**

**Senior Year (31 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>
<u>Hrs</u>		
<b>MATH 189</b>	Probability and Statistics I	3
<b>MATH</b>	Mathematics Elective	3
<b>DIV. B</b>	Social Science Elective	3
<b>ECON</b>	Economics Elective	3
	General Elective	3
<b>Total</b>		<b>15</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>
<u>Hrs</u>		
<b>SLMC 101</b>	Principles of Speech	3
<b>MATH</b>	Mathematics Elective	3
<b>ECON</b>	Economics Elective	3
	General Elective	3
	General Elective	3
<b>HHPL</b>	Physical Education	1
<b>Total</b>		<b>16</b>

**College of Arts & Sciences**

Undergraduate Curriculum Guide for Applied Mathematics – Education (Freshmen Even Year)

**IMPORTANT: \*Students should complete one of their divisional requirements within the African American course cluster.**

**In addition, the Praxis I exam should be taken by the end of sophomore year and the Praxis II exam must be taken before doing student teaching.**

**Freshman Year (30 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SYCS 135	Computer Science	4
MATH 156	Calculus I	4
FRSM 001	Freshman Seminar	1
ENGW	Freshman Composition	3
DIV. A	Humanities Elective	3
<b>Total</b>		<b>15</b>

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
ENGW	Freshman Composition	3
MATH 101	Proof & Problem Solving I	1
MATH 157	Calculus II	4
HHPL	Physical Education	1
DIV. A	Humanities Elective	3
DIV. D	Natural Science Elective	3
<b>Total</b>		<b>15</b>

**Second Semester**

**Sophomore Year (28 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
MATH 158	Calculus III	4
MATH 102	Proof & Problem Solving II	1
MATH 150	Modern Geometry	3
EDUC 210	Education	3
	Foreign Language	3
HHPL	Physical Education	1
<b>Total</b>		<b>15</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
MATH 180	Linear Algebra	3
SLMC 101	Principles of Speech	3
DIV. A	Humanities Elective	3
	Foreign Language	3
HHPL	Physical Education	1
<b>Total</b>		<b>13</b>

**Junior Year (32 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
EDUC 310	Education	3
MATH 195	Intro to Analysis I	3
DIV. D	Natural Science Elective	3
	Physical Education	1
	Foreign Language	3
	General Elective	3
<b>Total</b>		<b>16</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
MATH 181	Discrete Structures	3
DIV. A	Humanities Elective	3
DIV. B*	Social Science Elective	3
PHIL	Philosophy	3
HHPL	Physical Education	1
	Foreign Language	3
<b>Total</b>		<b>16</b>

**Senior Year (30 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
MATH 189	Probability and Statistics I	3
EDUC 410	Education	3
DIV. A*	Humanities Elective	3
DIV. C	Social Science Elective	3
MATH	Math Elective	3
<b>Total</b>		<b>15</b>

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
EDUC 450	Education	12
DIV. C	Social Science Elective	3
<b>Total</b>		<b>15</b>

**Second Semester**



**College of Arts & Sciences**

Undergraduate Curriculum Guide for Applied Mathematics – Education (Freshmen Odd Year)

**IMPORTANT: \*Students should complete one of their divisional requirements within the African American course cluster.**

**In addition, the Praxis I exam should be taken by the end of sophomore year and the Praxis II exam must be taken before doing student teaching.**

**Freshman Year (31 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit</b>
<b>Hrs</b>		
<b>SYCS 135</b>	Computer Science	
4		
<b>MATH 156</b>	Calculus I	4
<b>FRSM 001</b>	Freshman Seminar	1
<b>ENGW</b>	Freshman Composition	3
<b>DIV. A</b>	Humanities Elective	3
<b>HHPL</b>	Physical Education	1
<b>Total</b>		<b>16</b>

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit</b>
<b>Hrs</b>		
<b>ENGW</b>	Freshman Composition	3
<b>MATH 101</b>	Proof & Problem Solving I	1
<b>MATH 157</b>	Calculus II	4
<b>HHPL</b>	Physical Education	1
<b>EDUC 210</b>	Education	3
<b>DIV. D</b>	Natural Science Elective	3
<b>Total</b>		<b>15</b>

**Sophomore Year (30 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit</b>
<b>Hrs</b>		
<b>MATH 158</b>	Calculus III	4
<b>MATH 102</b>	Proof & Problem Solving II	1
<b>DIV. A</b>	Divisional	3
<b>EDUC 310</b>	Education	3
	Foreign Language	3
<b>HHPL</b>	Physical Education	1
<b>Total</b>		<b>15</b>

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit</b>
<b>Hrs</b>		
<b>MATH 180</b>	Linear Algebra	3
<b>SLMC 101</b>	Principle of Speech	3
<b>DIV. A</b>	Humanities Elective	3
	Foreign Language	3
<b>PHIL</b>	Philosophy	3
<b>Total</b>		<b>15</b>

**Junior Year (29 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit</b>
<b>Hrs</b>		
<b>MATH 189</b>	Probability & Statistics I	3
<b>MATH 150</b>	Modern Geometry	
3		
<b>DIV. B*</b>	Social Science Elective	3
<b>DIV. C</b>	Social Science Elective	3
<b>HHPL</b>	Physical Education	1
	Foreign Language	3
<b>Total</b>		<b>16</b>

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit</b>
<b>Hrs</b>		
<b>MATH 181</b>	Discrete Structures	3
<b>DIV. B</b>	Social Science Elective	3
<b>DIV. D</b>	Natural Science Elective	3
	Foreign Language	3
<b>HHPL</b>	Physical Education	1
<b>Total</b>		<b>13</b>

**Senior Year (30 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit</b>
<b>Hrs</b>		
<b>MATH 195</b>	Intro to Analysis I	3
<b>EDUC 410</b>	Education	3
<b>DIV. A*</b>	Humanities Elective	3
<b>DIV. C</b>	Social Science Elective	3
<b>MATH</b>	Mathematics Elective	3
<b>Total</b>		<b>15</b>

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit</b>
<b>Hrs</b>		
<b>EDUC 450</b>	Education	12
	General Elective	3
<b>Total</b>		<b>15</b>

**College of Arts & Sciences**

Undergraduate Curriculum Guide for Applied Mathematics – Pre-Med/Pre-Dental

**IMPORTANT: \*Students should complete one of their divisional requirements within the African American course cluster.**

<sup>1</sup>Pre-Dental students only or pre-med students whose med schools require this class.

**Freshman Year (34 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>
<b><u>Hrs</u></b>			<b><u>Hrs</u></b>		
<b>MATH 156</b>	Calculus I	4	<b>MATH 157</b>	Calculus II	4
<b>ENGW</b>	Freshman Composition	3	<b>MATH 101</b>	Proof & Problem Solving I	1
<b>BIOL 101</b>	Biology I	4	<b>ENGW</b>	Freshman Composition	3
<b>CHEM 003</b>	Chemistry I	4	<b>BIOL 102</b>	Biology II	4
<b>CHEM 005</b>	Chemistry I Lab	1	<b>CHEM 004</b>	Chemistry II	4
<b>FRSM 001</b>	Freshman Seminar	1	<b>CHEM 006</b>	Chemistry II Lab	1
<b>Total</b>		<b>17</b>	<b>Total</b>		<b>17</b>

**Sophomore Year (27 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>
<b><u>Hrs</u></b>			<b><u>Hrs</u></b>		
<b>MATH 158</b>	Calculus III	4	<b>MATH 159</b>	Differential Equations	4
<b>MATH 102</b>	Proof & Problem Solving II	1	<b>CHEM 142</b>	Organic Chemistry II	3
<b>CHEM 141</b>	Organic Chemistry I	3	<b>PHIL</b>	Philosophy	3
<b>CHEM 145</b>	Organic Chemistry Lab	3		Foreign Language	3
	Foreign Language	3	<b>Total</b>		<b>13</b>
<b>Total</b>		<b>14</b>			

**Junior Year (32 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>
<b><u>Hrs</u></b>			<b><u>Hrs</u></b>		
<b>PHYS 001</b>	Physics I	5	<b>PHYS 002</b>	Physics II	5
<b>MATH 195</b>	Intro to Analysis I	3	<b>MATH 180</b>	Linear Algebra	3
<b>CHEM 151</b>	Biochemistry I	3	<b>MATH 164</b>	Numerical Analysis	3
<b>HHPL</b>	Physical Education	1	<b>CHEM 152</b>	Biochemistry II	3
	Foreign Language	3		Foreign Language	3
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>17</b>

**Senior Year (27 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>
<b><u>Hrs</u></b>			<b><u>Hrs</u></b>		
<b>MATH 189</b>	Probability and Statistics I	3	<b>MATH 190</b>	Probability and Statistics II	3
<b>SYCS 135</b>	Computer Science I	3	<b>DIV. C</b>	Social Science Elective	3
<b>MATH 160</b>	Advanced Calculus	3	<b>DIV. A</b>	Humanities Elective	3
<b>BIOL 252</b>	Comp. Anat.	4	<b>SLMC 101</b>	Principles of Speech	3
<b>HHPL</b>	Physical Education	1	<b>HHPL</b>	Physical Education	1
<b>Total</b>		<b>14</b>	<b>Total</b>		<b>13</b>

**College of Arts & Sciences**

Undergraduate Curriculum Guide for Applied Mathematics – Pure Mathematics (Freshman – Even Year)

**IMPORTANT: \*Students should complete one of their divisional requirements within the African American course cluster.**

**Freshman Year (30 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>
<b><u>Hrs</u></b>			<b><u>Hrs</u></b>		
<b>MATH 156</b>	Calculus I	4	<b>MATH 157</b>	Calculus II	4
<b>ENGW</b>	Freshman Composition	3	<b>MATH 101</b>	Proof & Problem Solving I	1
<b>DIV. A*</b>	Humanities Elective	3	<b>ENGW</b>	Freshman Composition	3
<b>DIV. D</b>	Natural Science Elective	3	<b>DIV. A</b>	Humanities Elective	3
<b>HHPL</b>	Physical Education	1	<b>HHPL</b>	Physical Education	1
<b>FRSM 001</b>	Freshman Seminar	1		General Elective	3
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>15</b>

**Sophomore Year (30 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>
<b><u>Hrs</u></b>			<b><u>Hrs</u></b>		
<b>MATH 158</b>	Calculus III	4	<b>MATH 180</b>	Linear Algebra	3
<b>MATH 102</b>	Proof & Problem Solving II	1	<b>SLMC 101</b>	Principles of Speech	3
<b>SYCS 135</b>	Computer Science I	4	<b>DIV. A</b>	Humanities Elective	3
	Foreign Language	3	<b>PHIL</b>	Philosophy	3
<b>DIV. A</b>	Humanities Elective	3		Foreign Language	3
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>15</b>

**Junior Year (32 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>
<b><u>Hrs</u></b>			<b><u>Hrs</u></b>		
<b>MATH 197</b>	Intro to Modern Algebra	3	<b>MATH 159</b>	Differential Equations	4
<b>MATH 195</b>	Intro to Analysis I	3	<b>MATH 196</b>	Intro to Analysis II	3
<b>DIV. D</b>	Natural Science Elective	3	<b>DIV. B*</b>	Social Science Elective	3
<b>HHPL</b>	Physical Education	1	<b>ENGL</b>	Writing Course	3
	Foreign Language	3		Foreign Language	3
	General Elective	3			
<b>Total</b>		<b>16</b>	<b>Total</b>		<b>16</b>

**Senior Year (28 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>
<b><u>Hrs</u></b>			<b><u>Hrs</u></b>		
<b>MATH 199</b>	Topology	3	<b>MATH 185</b>	Intro to Complex Analysis	3
<b>MATH</b>	Mathematics Elective	3	<b>DIV. C</b>	Social Science Elective	3
<b>DIV. B</b>	Social Science Elective	3		General Elective	3
<b>DIV. C</b>	Social Science Elective	3		General Elective	3
<b>HHPL</b>	Physical Education	1		General Elective	3
<b>Total</b>		<b>13</b>	<b>Total</b>		<b>15</b>

**College of Arts & Sciences**

Undergraduate Curriculum Guide for Applied Mathematics – Pure Mathematics (Freshman – Odd Year)

**IMPORTANT: \*Students should complete one of their divisional requirements within the African American course cluster.**

**Freshman Year (30 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>
<b><u>Hrs</u></b>			<b><u>Hrs</u></b>		
<b>MATH 156</b>	Calculus I	4	<b>MATH 157</b>	Calculus II	4
<b>ENGW</b>	Freshman Composition	3	<b>MATH 101</b>	Proof & Problem Solving I	1
<b>DIV. A*</b>	Humanities Elective	3	<b>ENGW</b>	Freshman Composition	3
<b>DIV. D</b>	Natural Science Elective	3	<b>DIV. A</b>	Humanities Elective	3
<b>HHPL</b>	Physical Education	1	<b>HHPL</b>	Physical Education	1
<b>FRSM 001</b>	Freshman Seminar	1		General Elective	3
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>15</b>

**Sophomore Year (31 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>
<b><u>Hrs</u></b>			<b><u>Hrs</u></b>		
<b>MATH 158</b>	Calculus III	4	<b>MATH 159</b>	Differential Equations	4
<b>MATH 102</b>	Proof & Problem Solving II	1	<b>SLMC 101</b>	Principles of Speech	3
<b>SYCS 135</b>	Computer Science I	4	<b>DIV. B</b>	Social Science Elective	3
	Foreign Language	3	<b>PHIL</b>	Philosophy	3
<b>DIV. A</b>	Humanities Elective	3		Foreign Language	3
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>16</b>

**Junior Year (28 hours)**

<b><u>First Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
<b>MATH 199</b>	Topology	3
<b>MATH 195</b>	Intro to Analysis I	3
<b>DIV. D</b>	Natural Science Elective	3
<b>HHPL</b>	Physical Education	1
	Foreign Language	3
<b>Total</b>		<b>13</b>
<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
<b>MATH 185</b>	Intro to Complex Analysis	3
<b>MATH 196</b>	Intro to Analysis II	3
<b>DIV. A</b>	Humanities Elective	3
<b>ENGL</b>	Writing Course	3
	Foreign Language	3
<b>Total</b>		<b>15</b>

**College of Engineering, Architecture and Computer Sciences**  
Undergraduate Curriculum Guide for the Bachelor of Science Degree in Mechanical Engineering

**Freshman Year (32 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>
<u>Hrs</u>		
ENGL 002	Freshman English	3
EGPP 101	Introduction to Engineering	2
MATH 156	Calculus I	4
MEEG 103	Intro to Comp. Aided Design	2
CHEM 003	General Chemistry Lecture I	4
HHPL	Physical Education	1
<b>Total</b>		<b>16</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>
<u>Hrs</u>		
ENGL 003	Freshman English	3
MATH 157	Calculus II	4
PHYS 013	Physics/S&E Lecture I	3
PHYS 023	Physics/S&E Lab I	1
MEEG 102	Intro to Mechanical Engineering	2
ECON 001	Economics I	3
<b>Total</b>		<b>16</b>

**Sophomore Year (33 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>
<u>Hrs</u>		
MATH 158	Calculus III	4
PHYS 014	Physics/S&E Lecture II	3
PHYS 024	Physics/S&E Lab II	1
MEEG 207	Intro to Eng. Computations	2
CIEG 202	Statics	3
ECON 002	Economics II	3
<b>Total</b>		<b>16</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>
<u>Hrs</u>		
MATH 159	Differential Equations	4
MEEG 309	Material Science	3
MEEG 204	Solid Mechanics	3
MEEG 205	Thermodynamics	3
CIEG 302	Dynamics	3
MEEG 206	Solid Mechanics Lab	1
<b>Total</b>		<b>17</b>

**Junior Year (30 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>
<u>Hrs</u>		
MEEG 301	Manufacturing	3
MEEG 307	Fluid Mechanics	3
MEEG 310	Mechanical Design I	3
EECE 310	Principles of Electronics	2
MEEG 317	Fluid Mechanics Lab	1
	Afro-American Studies Req.	3
<b>Total</b>		<b>15</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>
<u>Hrs</u>		
MEEG 308	Fluids II	3
MEEG 306	Applied Thermodynamics	3
MEEG 311	Mechanical Design II	3
MEEG 313	System Dynamics	3
MEEG 312	Instrumentation & Exp. Lab	2
MEEG 314	Manufacturing Processes Lab	1
<b>Total</b>		<b>15</b>

**Senior Year (25 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>
<u>Hrs</u>		
MEEG 403	Heat Transfer	3
MEEG 415	Thermal Sciences Lab	1
MEEG 441	Senior Project I	3
MEEG	Technical Elective	3
CIEG 351	Probability & Statistics	3
<b>Total</b>		<b>13</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>
<u>Hrs</u>		
MEEG 442	Senior Project II	3
MEEG	Technical Elective	3
	Humanities/Soc. Sci. Elect.	3
	General Elective	3
<b>Total</b>		<b>12</b>

**School of Communications**  
Undergraduate Curriculum Guide for B.A. in Media, Journalism and Film  
Journalism Sequence

**Freshman Year (31 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>		<b><u>Course #</u></b>	<b><u>Course Name</u></b>	
<b><u>Credit Hrs</u></b>			<b><u>Credit Hrs</u></b>		
ENGW	Freshman Composition	3	ENGW	Freshman Composition	3
SCOM 102	Intro: Comm Prof Dev.	1	SLMC 101	Principles of Speech	3
HHPL	Physical Education	1	MJFC 100	Fundamentals of Journalism	1
SCOM 120	Digital Media Literacy	3	MJFC 101	Intro to Mass Communications	3
HIST	U.S. History	3	SCOM 130	Ethical Issues in Communication	3
	Foreign Language	3		Foreign Language	3
			HHPL	Physical Education	1
<b>Total</b>		<b>14</b>	<b>Total</b>		<b>17</b>

**Sophomore Year (31 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>		<b><u>Course #</u></b>	<b><u>Course Name</u></b>	
<b><u>Credit Hrs</u></b>			<b><u>Credit Hrs</u></b>		
ENGL	Course above 003	3	MJFC 201	Multimedia Storytelling	3
PHIL 051	Principles of Reasoning	3	POLS 001	Intro to Political Science	3
			MJFC 202	Visual Communications	3
MATH 006	College Algebra I	3	MATH 009	Intro to Statistics	4
MJFC 200	Intro Media Production	3		Foreign Language	3
	Foreign Language	3			
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>16</b>

**Junior Year (32 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>		<b><u>Course #</u></b>	<b><u>Course Name</u></b>	
<b><u>Credit Hrs</u></b>			<b><u>Credit Hrs</u></b>		
MJFC 311	Interactive Editing	3	MJFC 313	Public Affairs Reporting	3
MJFC 330	Multimedia Audio Production	3	MJFC 312	Digital Design	3
MJFC 310	Multicultural Media History	3	MJFC 456	Practicum: Journalism	1
MJFC 300	Co-Curricular	1	ECON 001	Principles of Economics I	3
	Afro-American Requirement	3		Minor Course	3
	Minor Course	3		Minor Course	3
<b>Total</b>		<b>16</b>	<b>Total</b>		<b>16</b>

**Senior Year (26 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>		<b><u>Course #</u></b>	<b><u>Course Name</u></b>	
<b><u>Credit Hrs</u></b>			<b><u>Credit Hrs</u></b>		
MJFC	MJFC Elective	3	MJFC 460/461	Capstone: Undergrad. Thesis*	6
MJFC 316	Ent. Reporting in Diverse Comm.	3	MJFC 300-302	Co-Curricular	
MJFC300-302	Co-Curricular	1	or SCOM 220	CERCC	1
	Minor Course	3		Minor Course	3
	General Elective	3		Minor Course	3
<b>Total</b>		<b>13</b>	<b>Total</b>		<b>13</b>

**School of Communications**  
Undergraduate Curriculum Guide for B.A. in Media, Journalism and Film  
TV and Film Sequence

IMPORTANT: Unless otherwise arranged, SOC required courses should be taken within the year designated.  
\*Electives and minor courses may be taken as available.

**Freshman Year (30 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>		<b><u>Course #</u></b>	<b><u>Course Name</u></b>	
<b><u>Credit Hrs</u></b>			<b><u>Credit Hrs</u></b>		
ENGW	Freshman Composition	3	ENGW	Freshman Composition	3
SCOM 102	Intro: Comm Prof Dev.	1	SCOM 130	Ethical Issues in Comm.	3
SCOM 120	*Digital Media Literacy	3	MJFC 101	Intro to Mass Communications	3
HHPL	Physical Education	1	SLMC 101	Principles of Speech	3
MATH	Math	3	HHPL	Physical Education	1
	Foreign Language	3		Foreign Language	3
<b>Total</b>		<b>14</b>	<b>Total</b>		<b>16</b>

**Sophomore Year (30 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>		<b><u>Course #</u></b>	<b><u>Course Name</u></b>	
<b><u>Credit Hrs</u></b>			<b><u>Credit Hrs</u></b>		
MJFC 200	Intro to Media Production	3	MJFC 220	Media Production II	3
MJFC 310	Multicultural Media History	3	MJFC 340	Scriptwriting	3
	Afro-American Requirement	3		Minor Course	3
	Humanities/Fine Arts	3		Social Science	3
	*General Elective	3		Social Science	3
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>15</b>

**Junior Year (30 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>		<b><u>Course #</u></b>	<b><u>Course Name</u></b>	
<b><u>Credit Hrs</u></b>			<b><u>Credit Hrs</u></b>		
MJFC 331	Audio for TV/Film	3	MJFC 344	TV Directing	
MJFC 341	Non-Linear Video Editing	3	or MJFC 345	Film Directing	3
MJFC 342	Videography		MJFC	Major Elective	3
or MJFC 343	Cinematography	3		Social Science	3
	Major Elective	3		Minor Course	3
	Social Science	3		Minor Course	3
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>15</b>

**Senior Year (30 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>			<b>Total</b>	
<b><u>Course #</u></b>	<b><u>Course Name</u></b>		<b><u>Course #</u></b>	<b><u>Course Name</u></b>			
<b><u>Credit Hrs</u></b>			<b><u>Credit Hrs</u></b>				
MJFC 464	UG Thesis TV		MJFC 458	TV Practicum-Internship			
or MJFC 466	UG Thesis Film	2	or MJFC 459	Film Practicum-Internship	1		
	Minor	3	MJFC	Major Elective	3		
	*General Elective	3		Minor	3		
	*General Elective	3		Minor	3		
	*General Elective	3		*General Elective	3		
	*General Elective	3					
<b>Total</b>			<b>Total</b>				<b>17</b>

**Total 13**



**School of Communications**  
Undergraduate Curriculum Guide for B.A. in Media, Journalism and Film  
Audio Sequence

IMPORTANT: Unless otherwise arranged, SOC required courses should be taken within the year designated.

\*Electives and minor courses may be taken as available.

\*\*3 credits OR 6 credits if combined with last MJFC elective above

**Freshman Year (33 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
<b>ENGW</b>	Freshman Composition	3	<b>ENGW</b>	Freshman Composition	3
<b>SCOM 102</b>	Intro: Comm Prof Dev.	1	<b>SCOM 130</b>	Ethical Issues in Comm.	3
<b>SCOM 120</b>	*Digital Media Literacy	3	<b>MJFC 101</b>	Intro to Mass Communications	3
<b>MATH 006</b>	College Algebra I	3	<b>SLMC 101</b>	Principles of Speech	3
<b>HHPL</b>	Physical Education	1	<b>HHPL</b>	Physical Education	1
	Social Science	3		Foreign Language	3
	Foreign Language	3			
<b>Total</b>		<b>17</b>	<b>Total</b>		<b>16</b>

**Sophomore Year (31 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
<b>MJFC 200</b>	Intro to Media Production	3	<b>MJFC 211</b>	Announcing & Interviewing	3
<b>MJFC 310</b>	Multicultural Media History	3	<b>MJFC 201</b>	Multimedia Storytelling	3
<b>MJFC</b>	Co-Curricular	1		*General Elective	3
	*General Elective	3		Humanities/Fine Arts	3
	*General Elective	3		Afro-American Requirement	3
	*Natural Science Elective	3			
<b>Total</b>		<b>16</b>	<b>Total</b>		<b>15</b>

**Junior Year (31 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
<b>MJFC 330</b>	Multimedia Audio Production	3	<b>MJFC 340</b>	Scriptwriting	3
<b>MJFC</b>	Major Elective	3	<b>MJFC 331</b>	Audio for TV & Film	3
<b>MJFC</b>	Co-Curricular	1		Minor	3
	Social Science	3		Minor	3
	*General Elective	3		*General Elective	3
	Minor	3			
<b>Total</b>		<b>16</b>	<b>Total</b>		<b>15</b>

**Senior Year (25 hours)**

## College of Nursing and Allied Health

Undergraduate Curriculum Guide for Nutritional Sciences B.S. – Community Nutrition Emphasis

**IMPORTANT: \*\*\*Course must be selected from the following: SOCI 110, MATH 009, or PSYC 063.**

### Freshman Year (33-34 hours)

<u>First Semester</u>			<u>Second Semester</u>		
<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>	<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
ENGL 002	Freshman Composition	3	ENGL 003	Freshman Composition	3
AHCC 110	General Orientation	2	MATH 010/156	College Algebra II or Calculus I	4
CHEM 003	General Chemistry Lecture I	4	HUCO 101	Principles of Speech	3
CHEM 005	General Chemistry Lab I	1	CHEM 004	General Chemistry Lecture II	4
HHPL	Physical Education (Active)	1	CHEM 006	General Chemistry Lab II	1
MATH 006/007	College Algebra I or Precalculus	3-4	HHPL	Physical Education (Active)	1
NUTR 161	Nutrition	3			
<b>Total</b>		<b>17-18</b>	<b>Total</b>		<b>16</b>

### Sophomore Year (32 hours)

<u>First Semester</u>			<u>Second Semester</u>		
<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>	<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
CHEM 141	Organic Chemistry Lecture I	3	CHEM 142	Organic Chemistry Lecture II	3
CHEM 145	Organic Chemistry Lecture/Lab	3	COMP 004	Computer & Society Lec./Lab	
NUTR 006	Introduction to Foods	3	or AHCC 202	Intro to Computer Techniques	3
MDMI 112	General Microbiology Lec./Lab		MPHY 101	General Physiology	4
or BIOL 220	General Microbiology Lec./Lab	4	AHCC 003	Medical Terminology	2
PHIL 050	Principles of Reasoning	3		Afro-American Studies	3
AHCC 004	Intro to Allied Health Professions	1			
<b>Total</b>		<b>17</b>	<b>Total</b>		<b>15</b>

### Junior Year (34 hours)

<u>First Semester</u>			<u>Second Semester</u>		
<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>	<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
PHYS 001	General Physics Lecture/Lab	5	NUTR 175	Advance Nutrition	3
NUTR 130	Nutrition Biochemistry		NUTR 008	Meal Management	3
or CHEM 156	Biochemistry Survey	3	ECON 001	Principles of Economics I	3
CHEM 157	Biochemistry Survey Lab	1	SOCI 001	Introduction to Sociology	3
NUTR 210	Methods of Teaching Nutrition		AHCC 375	Geriatrics	2
or SEED 005	Education Psychology	3	NUTR 323	Evaluation of Nutritional Status	3
NUTR 183	Community Nutrition	3			
AHCC 301	Ethics for Health Professionals	2			
<b>Total</b>		<b>17</b>	<b>Total</b>		<b>17</b>

### Senior Year (29 hours)

<u>First Semester</u>			<u>Second Semester</u>		
<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>	<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
PSYC 050	Intro to Psychology	3	NUTR 425	Issues Diet-Nutrition	2
NUTR 410	Diet Therapy	5	NUTR 169	Field Experience in HNF	6
NUTR 415	Diet Therapy Dry Lab	1	NUTR 311	Organization & Management	4
	Statistics***	3			
NUTR 416	Research Methods in Nutrition	2			
	General Elective	3			
<b>Total</b>		<b>17</b>	<b>Total</b>		<b>12</b>

**College of Nursing and Allied Health**

Undergraduate Curriculum Guide for Nutritional Sciences B.S. – Pre-Dental Emphasis

**IMPORTANT: \*\*\*Course must be selected from the following: SOCI 110, MATH 009, or PSYC 063.**  
**\*\*Must be selected from Allied Health Core.**

**Freshman Year (36-37 hours)**

<u>First Semester</u>			<u>Second Semester</u>		
<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>	<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
ENGL 002	Freshman English	3	ENGL 003	Freshman English	3
AHCC 110	General Orientation	2	MATH 010/156	College Algebra II or Calculus I	4
CHEM 003	General Chemistry Lecture I	4	NUTR 161	Nutrition	3
CHEM 005	General Chemistry Lab I	1	CHEM 004	General Chemistry Lecture II	4
HHPL	Physical Education (Active)	1	CHEM 006	General Chemistry Lab II	1
MATH 006/007	College Algebra I or Precalculus	3-4	HHPL	Physical Education (Active) 1	1
NUTR 006	Intro to Foods Lecture/Lab	3		Afro American Studies	3
<b>Total</b>		<b>17-18</b>	<b>Total</b>		<b>19</b>

**Sophomore Year (33 hours)**

<u>First Semester</u>			<u>Second Semester</u>		
<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>	<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
CHEM 141	Organic Chemistry Lecture I	3	CHEM 142	Organic Chemistry Lecture II	3
CHEM 145	Organic Chemistry Lecture/Lab	3	BIOL 102	General Biology Lecture/Lab II	4
BIOL 101	General Biology Lecture/Lab	4	NUTR 008	Meal Planning	3
COMP 004	Computers & Society Lec/Lab		MPHY 008	General Physiology	4
or AHCC 202	Intro to Computer Techniques	3	AHCC	D/AHS Elective**	3
HUCO 101	Principles of Speech	3			
<b>Total</b>		<b>16</b>	<b>Total</b>		<b>17</b>

**Junior Year (34 hours)**

<u>First Semester</u>			<u>Second Semester</u>		
<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>	<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
PHYS 001	General Physics Lecture/Lab	5	NUTR 175	Advance Nutrition	3
NUTR 130	Nutrition Biochemistry		NUTR 189	Food Chem. & Analysis Lec/Lab	4
or CHEM 156	Biochemistry Survey	3	PHYS 002	General Physics Lecture/Lab II	5
CHEM 157	Biochemistry Survey Lab	2	AHCC 375	Geriatrics	2
BIOL 200	General Microbiology Lec/Lab		NUTR 323	Evaluation of Nutritional Status	3
or MDMI 112	General Microbiology Lec/Lab	4			
NUTR 183	Community Nutrition	3			
<b>Total</b>		<b>17</b>	<b>Total</b>		<b>17</b>

**Senior Year (35 hours)**

<u>First Semester</u>			<u>Second Semester</u>		
<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>	<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
AHCC 301	Ethics for Health Profession	2	NUTR 425	Issues Diet-Nutrition	2
NUTR 410	Diet Therapy	5	NUTR 169	Field Experience in HNF	6
NUTR 210	Meth. Of Teaching Nutrition		AHCC 003	Medical Terminology	2
or SEED 005	Education Psychology	3	PSYC 050	Intro to Psychology	3
MDAN 168	Basic Human Anatomy	4	SOCI 001	Intro to Sociology	3
	Statistics***	3			
NUTR 416	Research Methods in Nutrition	2			
<b>Total</b>		<b>19</b>	<b>Total</b>		<b>16</b>

**IMPORTANT:****Freshman Year (32 hours)****First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
<b>ENGL 002</b>	Freshman Composition	3
<b>CHEM 003</b>	General Chemistry Lec. I	4
<b>CHEM 005</b>	General Chemistry Lab I	1
<b>MATH 006</b>	College Algebra I	3
<b>FRSM 001</b>	Freshman Seminar	1
<b>BIOL 101</b>	Biology Lecture/Lab I	4
<b>Total</b>		<b>16</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
<b>ENGL 003</b>	Freshman Composition	3
<b>ANAT 171</b>	Human Anatomy & Physiology I	4
<b>PSYC 050</b>	Intro to Psychology	3
<b>SOCI 001</b>	Intro to Sociology	3
<b>AFRO</b>	African-American Studies	3
<b>Total</b>		<b>16</b>

**Sophomore Year (28 hours)****First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
<b>ANAT 172</b>	Human Anatomy & Physiology II	4
<b>MDMI 103</b>	Microbiology w/ Lab	4
<b>SOCI 180</b>	The Family	3
<b>COMC 101</b>	Principles of Speech	3
	Fine Arts (Art,Dance,Mus.,Thet)	2
<b>Total</b>		<b>16</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
<b>HHPL 140</b>	Human Growth & Development	3
<b>NUTR 161</b>	Nutrition for Health Sci. Majors	3
<b>SOCI 110</b>	Elementary Statistics	3
<b>CLAS/ENGL</b>	Literature	3
<b>Total</b>		<b>12</b>

**Junior Year – Summer Courses (6 credits)****First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
<b>NURS 307</b>	Health Assessment	3
<b>NURS 304</b>	Pathophysiology	3
<b>Total</b>		<b>6</b>

**Junior Year (28 hours)****First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
<b>NURS 306</b>	Intro to Pharmacology	3
<b>NURS 313</b>	Informatics & Technology	2
<b>NURS 315</b>	Concepts of Hlth. & Illness	3
<b>NURS 320</b>	Fundamentals of Nursing	3
<b>NURS 321</b>	Intro to Prof. Nursing Practice	2
<b>Total</b>		<b>13</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
<b>NURS 323</b>	Nursing Research	3
<b>NURS 324</b>	Adult Health Nursing I	5
<b>NURS 326</b>	Nursing of Childbearing Fam.	5
<b>NURS 327</b>	Interdisc. Health Care Ethics	2
<b>Total</b>		<b>15</b>

**Senior Year – Summer Course (3 credits)****First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
<b>NURS 400</b>	Elective Clinical Nursing	3
<b>Total</b>		<b>3</b>

**Senior Year (29 hours)**

**First Semester**

<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
<b>NURS 412</b>	Nursing of Infants & Children	
5		
<b>NURS</b>	Elective	3
<b>NURS 421</b>	Psych. Mental Health Nursing	5
<b>NURS 431</b>	Health Policy and Economics	2
<b>Total</b>		<b>15</b>

**Second Semester**

<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
<b>NURS 434</b>	Adult Health Nursing II	5
<b>NURS 436</b>	Community Health Nursing	
3		
<b>NURS 438</b>	Nursing Leadership	
2		
<b>NURS 440</b>	Nursing Synthesis	3
<b>Total</b>		<b>13</b>

**College of Arts & Sciences**

Undergraduate Curriculum Guide for Bachelor of Music Major -Jazz Studies with Instrument Concentration

**Freshman Year (29 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>	<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
FRSM 001	Freshman Seminar	1	ENGL 002	Freshman English	3
MUTX 111	Jazz Piano Minor I	2	MUSB 004	Elem. Ear Tr. II	2
MU**	Jazz or Elective Ensemble I	1	MUSB 022	Elem. Harmony II	3
MUSB 003	Elem. Ear Tr. I	2	MUSE 112	Piano Minor II	2
MUSB 021	Elem. Harmony I	3	MUSH 012	Improvisation II	2
MUSE 111	Piano Minor I	2	MUTO 012	Student Recital II	0
MUSH 011	Improvisation I	2	MUTX 112	Jazz Piano Minor II	2
HHPL	Physical Education	1	MU**	Jazz or Elective Ensemble II 1	
MUTO 011	Student Recital I	0			
<b>Total</b>		<b>14</b>	<b>Total</b>		<b>15</b>

**Sophomore Year (32 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>	<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
MUSE 121	Piano Minor III	2	MUSE 122	Piano Minor IV	2
MUSH 021	Improvisation III	2	MUSH 022	Improvisation IV	2
MUSI 110	Jazz History	3	MU**	Jazz or Elective Ensemble IV	1
MUSI 101	Jazz Theory I	3	MUSC 006	M. Lit. Baroque/Classical	3
MUTO 021	Student Recital III	0	MUSI 102	Jazz Theory II	3
MUTX 121	Jazz Piano Minor III	2	MUTO 022	Student Recital IV	0
MU**	Jazz or Elective Ensemble III	1	MUTX 122	Jazz Piano Minor IV	2
ENGL 003	Freshman English	3	MATH 006	College Algebra I	3
<b>Total</b>		<b>16</b>	<b>Total</b>		<b>16</b>

**Junior Year (29 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>	<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
MUSC 007	M. Lit. 19 <sup>th</sup> and 20 <sup>th</sup> Century	3	MUSC 008	African/Afro-Amer Music Lit.	3
MU**	Jazz or Elective Ensemble V	1	MUSH 032	Improvisation VI	2
MUSH 031	Improvisation V	2	MUSI 077	Intro to Music Technology II	3
MUSI 076	Intro to Music Technology I	3	MUTO 032	Student Recital VI	0
MUSI 183	Jazz Arranging I	3	MUTX 132	Jazz Piano Minor VI	2
MUTO 031	Student Recital V	0	MU**	Jazz or Elective Ensemble VI	1
MUTX 131	Jazz Piano Minor V	2	MUSI 184	Jazz Arranging II	3
	Elective	1			
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>14</b>

**Senior Year (30 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>	<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
MUSI 032	Intro Entertainment Law	3	MUTO 042	Student Recital VIII	0
MUSD 05*	Inst. Or Choral Conducting	3	MUTO 112	Senior Recital	0
MUTO 111	Jazztet I	1	MUTX 142	Jazz Piano Minor VIII	2
MUTO 041	Student Recital VII	0	MU**	Jazz or Elective Ensemble VIII	1
MUTX 141	Jazz Piano Minor VII	2	MUTI 112	Jazztet II	1
MU**	Jazz or Elective Ensemble VII	1	HHPL	Physical Education	1
	Philosophy Elective	3		Foreign Language	3
	Natural Science Elective	3		General Elective	3
				Social Science Elective	3
<b>Total</b>		<b>16</b>	<b>Total</b>		<b>14</b>

**Second Semester**

**College of Arts & Sciences**  
**Undergraduate Curriculum Guide for Bachelor of Music Major -Jazz Studies with Piano Minor**

**Freshman Year (29 hours)**

<u>First Semester</u>			<u>Second Semester</u>		
<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>	<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
FRSM 001	Freshman Seminar	1	ENGL 002	Freshman English	3
HHPL	Physical Education	1	MU**	Jazz or Elective Ensemble II	1
MU**	Jazz or Elective Ensemble I	1	MUSB 004	Elem Ear Tr II	2
MUSB 003	Elem. Ear Tr. I	2	MUSB 022	Elementary Harmony II	3
MUSB 021	Elementary Harmony I	3	MUSE 112	Piano Minor II	2
MUSE 111	Piano Minor I	2	MUSH 012	Improvisation II	2
MUSH 011	Improvisation I	2	MUTO 012	Student Recital II	0
MUTO 011	Student Recital I	0	MUTX 112	Jazz Piano Minor II	2
MUTX 111	Jazz Piano Minor I	2			
<b>Total</b>		<b>14</b>	<b>Total</b>		<b>15</b>

**Sophomore Year (32 hours)**

<u>First Semester</u>			<u>Second Semester</u>		
<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>	<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
ENGL 003	Freshman English	3	MATH 006	College Algebra I	3
MU**	Jazz or Elective Ensemble III	1	MUSE 122	Piano Minor IV	2
MUSE 121	Piano Minor III	2	MU**	Jazz or Elective Ensemble IV	1
MUSH 021	Improvisation III	2	MUSH 022	Improvisation IV	2
MUTO 021	Student Recital III	0	MUSC 006	Music Lit. Baroque/Classical	3
MUSI 110	Jazz History	3	MUSI 102	Jazz Theory II	3
MUSE 101	Jazz Theory I	3	MUTO 022	Student Recital IV	0
MUTX 121	Jazz Piano Minor III	2	MUTX 122	Jazz Piano Minor IV	2
<b>Total</b>		<b>16</b>	<b>Total</b>		<b>16</b>

**Junior Year (29 hours)**

<u>First Semester</u>			<u>Second Semester</u>		
<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>	<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
MU**	Jazz or Elective Ensemble V	1	MU**	Jazz or Elective Ensemble VI	1
MUSH 031	Improvisation V	2	MUSC 008	Afro/Afro-Am Music Lit.	3
MUSI 076	Intro to Music Technology I	3	MUSH 032	Improvisation VI	2
MUSC 007	Music Lit. 19 <sup>th</sup> & 20 <sup>th</sup> Century	3	MUSI 077	Intro to Music Technology II	3
MUSI 183	Jazz Arranging I	3	MUSI 184	Jazz Arranging II	3
MUTO 031	Student Recital V	0	MUTO 032	Student Recital VI	0
MUTX 131	Jazz Piano Minor V	2	MUTX 132	Jazz Piano Minor VI	2
	Elective	1			
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>14</b>

**Senior Year (30 hours)**

<u>First Semester</u>			<u>Second Semester</u>		
<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>	<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
MU**	Jazz or Elective Ensemble VI I	1	MU**	Jazz or Elective Ensemble VIII	1
MUSD 05*	Instrument. Or Choral Conducting	3	MUTI 112	Jazztet II	1
MUSI 032	Intro Entertainment Law	3	MUTO 042	Student Recital VIII	0
MUTI 111	Jazztet I	1	MUTO 112	Senior Recital	0
MUTO 041	Student Recital VII	0	MUTX 142	Jazz Piano Minor VIII	2
MUTX 141	Jazz Piano Minor VII	2		Foreign Language	3
	Philosophy Elective	3		Elective	3
	Natural Science Elective	3		Social Science Elective	3
			HHPL	Physical Education	1
<b>Total</b>		<b>16</b>	<b>Total</b>		<b>14</b>

**College of Arts & Sciences**

Undergraduate Curriculum Guide for Bachelor of Music Major -Jazz Studies -Voice Concentration

**Freshman Year (32 hours)**

<u>First Semester</u>			<u>Second Semester</u>		
<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>	<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
ENGL 002	Freshman English	3	ENGL 003	Freshman English	3
FRSM 001	Freshman Seminar	1	MUSB 004	Elem. Ear Tr. II	2
MUSB 003	Elem. Ear. Tr. I	2	MUSB 022	Elem. Harmony II	3
MUSB 021	Elem. Harmony I	3	MUSH 012	Improvisation II	2
MUSH 011	Improvisation I	2	MUTO 012	Student Recital II	0
MUTO 011	Student Recital I	0	MUSE 012	Functional Piano II	1
MUSE 011	Functional Piano I	1	MUTV 112	Jazz Vocal Workshop II	1
MUTV 111	Jazz Vocal Workshop I	1	MUTW 112	Voice for Jazz Studies II	2
MUTW 111	Voice for Jazz Studies I	2	MATH 006	College Algebra I	3
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>17</b>

**Second Semester**

**Sophomore Year (30 hours)**

<u>First Semester</u>			<u>Second Semester</u>		
<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>	<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
MUSH 021	Improvisation III	2	MUSC 006	M. Lit. Baroque/Classical	3
MUSI 110	Jazz History	3	MUSH 022	Improvisation IV	2
MUSI 101	Jazz Theory I	3	MUSI 102	Jazz Theory II	3
MUTV 121	Jazz Vocal Workshop III	1	MUSE 022	Functional Piano IV	1
MUTW 121	Voice for Jazz Studies III	2	MUSE 051	Piano Proficiency Exam	0
MUSE 021	Functional Piano III	1	MUTO 022	Student Recital IV	0
MUTO 021	Student Recital III	0	MUTV 122	Jazz Vocal Workshop IV	1
	Social Sciences Course	3	MUTW 122	Voice for Jazz Studies IV	2
				Natural Science Course	3
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>15</b>

**Junior Year (31 hours)**

<u>First Semester</u>			<u>Second Semester</u>		
<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>	<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
MUSC 007	M. Lit. 19 <sup>th</sup> and 20 <sup>th</sup> Century	3	MUSC 008	African/Afro-Amer. Music Lit.	3
MUSH 031	Improvisation V	2	MUSH 032	Improvisation VI	2
MUSI 076	Intro to Music Technology I	3	MUSI 016	Jazz Keyboard Harmony	2
MUTO 031	Student Recital V	0	MUSI 077	Intro to Music Technology II	3
MUSI 111	Vocal Arranging I	3	MUTO 032	Student Recital VI	0
MUTV 131	Jazz Vocal Workshop V	1	MUTV 132	Jazz Vocal Workshop VI	1
MUTW 131	Voice for Jazz Studies V	2	MUTW 132	Voice for Jazz Studies VI	2
HHPL	Physical Education	1	MUSI 112	Vocal Arranging II	3
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>16</b>

**Senior Year (27 hours)**

<u>First Semester</u>			<u>Second Semester</u>		
<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>	<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
MUSD 051	Choral Conducting	3	MUSH 042	Improvisation VIII	2
MUSH 041	Improvisation VII	2	MUTO 042	Student Recital VIII	0
MUSI 032	Intro Entertainment Law	3	MUTO 112	Senior Recital	0
MUTO 041	Student Recital VII	0	MUTV 142	Jazz Vocal Workshop VIII	1
MUTV 141	Jazz Vocal Workshop VII	1	MUTW 142	Voice for Jazz Studies VIII	2
MUTW 141	Voice for Jazz Studies VII	2	HHPL	Physical Education	1
HHPL	Physical Education	1		General Elective	3
	Philosophy Elective	3		General Elective	3
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>12</b>

**College of Arts & Sciences**

Undergraduate Curriculum Guide for Bachelor of Music Major - Music Therapy - Instrument Concentration



**Freshman Year (31 hours)**

<u>First Semester</u>			<u>Second Semester</u>		
<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>	<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
ENGL 002	Freshman English	3	ENGL 003	Freshman English	3
FRSM 001	Freshman Seminar	1	MU** 112	Instrument Minor II	2
MU** 111	Instrument Minor I	2	MU**	Large Ensemble II	1
MU**	Large Ensemble I	1	MUSB 004	Elem Ear Tr II	2
MUSB 003	Elem Ear Tr I	2	MUSB 022	Elementary Harmony II	3
MUSB 021	Elementary Harmony I	3	MUSE 012	Functional Piano II	1
MUSE 011	Functional Piano I	1	MUSJ 110	Meth. & Tech. Music Therapy	2
MUSJ 101	Music Therapy I	3	MUSJ 111	Practicum I	0
MUTO 011	Student Recital I	0	MUSO 100	Guitar Instruction	1
			MUTO 012	Student Recital II	0
<b>Total</b>			<b>Total</b>		
<b>16</b>			<b>15</b>		

**Second Semester****Sophomore Year (35 hours)**

<u>First Semester</u>			<u>Second Semester</u>		
<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>	<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
MU** 121	Instrument Minor III	2	MATH 006	College Algebra I	3
MU**	Large Ensemble III	1	MU** 122	Instrument Minor IV	2
MUSB 011	Advanced Ear Tr I	2	MU**	Large Ensemble IV	1
MUSB 041	Advanced Harmony I	3	MUSB 012	Advanced Ear Tr II	2
MUSE 021	Functional Piano III	1	MUSB 042	Advanced Harmony II	3
MUSG 031	Voice for Instrument Majors	1	MUSC 006	Music Lit. Baroque/Classical	3
MUSJ 102	Music Therapy II	3	MUSE 022	Functional Piano IV	1
MUSJ 103	Practicum II	0	MUSE 051	Piano Proficiency Exam	0
MUTO 021	Student Recital III	0	MUTO 022	Student Recital IV	0
MUSI 110	Jazz History	3	SOCI 001	Intro to Sociology	3
HHPL	Physical Education	1			
<b>Total</b>			<b>Total</b>		
<b>17</b>			<b>18</b>		

**Junior Year (37 hours)**

<u>First Semester</u>			<u>Second Semester</u>		
<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>	<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
HHPL	Physical Education	1	HHPL 102	Anatomy Lab	1
MU** 131	Instrument Minor V	2	MU** 132	Instrument Minor VI	2
MU**	Small Ensemble I	1	MU**	Small Ensemble II	1
MUSB 016	Keyboard Harmony	2	MUSC 008	Afro/Afro-Am Music Lit.	3
MUSC 007	Music Lit. 19 <sup>th</sup> & 20 <sup>th</sup> Century	3	MUSJ 107	Guitar Tech. for Music Therapy	2
MUSJ 120	Psychology of Music	3	MUSJ 115	Influence of Music on Behavior	3
MUTO 031	Student Recital V	0	MUSJ 116	Practicum III	0
PSYC 116	Abnormal Psychology	3	MUTO 112	Senior Recital	0
SEED 150	Survey & Ed Exc Child	3	THDN 031	Human Anatomy	3
			MUSD 058	Instrumental Conducting	3
<b>Total</b>			<b>Total</b>		
<b>18</b>			<b>18</b>		

**Senior Year (31 hours)**

**First Semester**

<b><u>Course #</u></b>	<b><u>Course Name</u></b>	
<b><u>Credit Hrs</u></b>		
<b>ANTH 110</b>	Cultural Anthropology	3
<b>MUSB 103</b>	Orchestration I	3
<b>MUSD 019</b>	Percussion	1
<b>MUSI 076</b>	Intro to Music Technology I	3
<b>MUSJ 121</b>	Senior Practicum	2
<b>MUTO 041</b>	Student Recital VII	0
<b>PSYC 050</b>	Intro to Psychology	3
<b>SOCI 020</b>	Social Psychology	3
<b>Total</b>		<b>18</b>

**Second Semester**

<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
<b>MUSJ 135</b>	Music Therapy Internship	1
<b>MUSJ 136</b>	Music Therapy Coop	12
<b>Total</b>		<b>13</b>

**College of Arts & Sciences**

Undergraduate Curriculum Guide for Bachelor of Music Major - Music Therapy-Piano Concentration

**Freshman Year (29 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
ENGL 002	Freshman English	3
FRSM 001	Freshman Seminar	1
MU** 111	Instrument Minor I	2
MU**	Large Ensemble I	1
MUSB 003	Elem Ear Tr I	2
MUSB 021	Elementary Harmony I	3
MUSJ 101	Music Therapy I	3
MUTO 011	Student Recital I	0
<b>Total</b>		<b>15</b>

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
ENGL 003	Freshman English	3
MU** 112	Instrument Minor II	2
MU**	Large Ensemble II	1
MUSB 004	Elem Ear Tr II	2
MUSB 022	Elementary Harmony II	3
MUSJ 110	Meth. & Tech. Music Therapy	2
MUSJ 111	Practicum I	0
MUSO 100	Guitar Instruction	1
MUTO 012	Student Recital II	0
<b>Total</b>		<b>14</b>

**Sophomore Year (34 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
MU** 121	Instrument Minor III	2
MU**	Large Ensemble III	1
MUSB 011	Advanced Ear Tr I	2
MUSB 041	Advanced Harmony I	3
MUSG 031	Voice for Instrument Majors	1
MUSJ 102	Music Therapy II	3
MUSJ 103	Practicum II	0
MUTO 021	Student Recital III	0
MUSI 110	Jazz History	3
HHPL	Physical Education	1
<b>Total</b>		<b>16</b>

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
MATH 006	College Algebra I	3
MU** 122	Instrument Minor IV	2
MU**	Large Ensemble IV	1
MUSB 012	Advanced Ear Tr II	2
MUSB 042	Advanced Harmony II	3
MUSC 006	Music Lit. Baroque/Classical	3
MUSD 019	Percussion	1
MUTO 022	Student Recital IV	0
SOCI 001	Intro to Sociology	3
<b>Total</b>		<b>18</b>

**Junior Year (36 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
HHPL	Physical Education	1
MU** 131	Instrument Minor V	2
MU**	Small Ensemble I	1
MUSB 016	Keyboard Harmony	2
MUSC 007	Music Lit. 19 <sup>th</sup> & 20 <sup>th</sup> Century	3
MUSJ 120	Psychology of Music	3
MUTO 031	Student Recital V	0
PSYC 116	Abnormal Psychology	3
SEED 150	Survey & Ed Exc Child	3
<b>Total</b>		<b>18</b>

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
HHPL 102	Anatomy Lab	1
MU** 132	Instrument Minor VI	2
MU**	Small Ensemble II	1
MUSC 008	Afro/Afro-Am Music Lit.	3
MUSJ 107	Guitar Tech. for Music Therapy	2
MUSJ 115	Influence of Music on Behavior	3
MUSJ 116	Practicum III	0
MUTO 112	Senior Recital	0
THDN 031	Human Anatomy	3
MUSD 05*	Inst. or Choral Conducting	3
<b>Total</b>		<b>18</b>

**Senior Year (31 hours)**

**First Semester**

<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
<b>ANTH 110</b>	Cultural Anthropology	3
<b>MUSB 103</b>	Orchestration I	3
	Ensemble Elective	1
<b>MUSI 076</b>	Intro to Music Technology I	3
<b>MUSJ 121</b>	Senior Practicum	2
<b>MUTO 041</b>	Student Recital VII	0
<b>PSYC 050</b>	Intro to Psychology	3
<b>SOCI 020</b>	Social Psychology	3
<b>Total</b>		<b>18</b>

**Second Semester**

<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
<b>MUSJ 135</b>	Music Therapy Internship	1
<b>MUSJ 136</b>	Music Therapy Coop	12
<b>Total</b>		<b>13</b>

## College of Arts & Sciences

### Undergraduate Curriculum Guide for Bachelor of Music Major - Music Therapy-Voice Concentration

#### Freshman Year (33 hours)

<u>First Semester</u>			<u>Second Semester</u>		
<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>	<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
ENGL 002	Freshman English	3	ENGL 003	Freshman English	3
FRSM 001	Freshman Seminar	1	MU** 112	Voice Minor II	2
HHPL	Physical Education	1	MU**	Large Ensemble II	1
MU** 111	Voice Minor I	2	MUSB 004	Elem Ear Tr II	2
MU**	Large Ensemble I	1	MUSB 022	Elementary Harmony II	3
MUSB 003	Elem Ear Tr I	2	MUSE 012	Functional Piano II	1
MUSB 021	Elementary Harmony I	3	MUSJ 110	Meth. & Tech. Music Therapy	2
MUSD 019	Percussion Instruments	1	MUSJ 111	Practicum I	0
MUSE 011	Functional Piano I	1	MUSO 100	Guitar Instruction	1
MUSJ 101	Music Therapy I	3	MUTO 012	Student Recital II	0
MUTO 011	Student Recital I	0			
<b>Total</b>			<b>Total</b>		
<b>18</b>			<b>15</b>		

#### Sophomore Year (33 hours)

<u>First Semester</u>			<u>Second Semester</u>		
<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>	<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
MU** 121	Voice Minor III	2	MATH 006	College Algebra I	3
MU**	Large Ensemble III	1	MU** 122	Voice Minor IV	2
MUSB 011	Advanced Ear Tr I	2	MU**	Large Ensemble IV	1
MUSB 041	Advanced Harmony I	3	MUSB 012	Advanced Ear Tr II	2
MUSE 021	Functional Piano III	1	MUSB 042	Advanced Harmony II	3
MUSI 076	Intro to Music Technology I	3	MUSC 006	Music Lit. Baroque/Classical	3
MUSJ 102	Music Therapy II	3	MUSE 022	Functional Piano IV	1
MUSJ 103	Practicum II	0	MUSE 051	Piano Proficiency Exam	0
MUTO 021	Student Recital III	0	MUTO 022	Student Recital IV	0
			SOCI 001	Intro to Sociology	3
<b>Total</b>			<b>Total</b>		
<b>15</b>			<b>18</b>		

#### Junior Year (37 hours)

<u>First Semester</u>			<u>Second Semester</u>		
<u>Course#</u>	<u>Course Name</u>	<u>Credit Hrs</u>	<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
HHPL	Physical Education	1	HHPL 102	Anatomy Lab	1
MU** 131	Voice Minor V	2	MU** 132	Voice Minor VI	2
MU**	Small Ensemble I	1	MU**	Small Ensemble II	1
MUSB 016	Keyboard Harmony	2	MUSC 008	Afro/Afro-Am Music Lit.	3
MUSC 007	Music Lit. 19 <sup>th</sup> & 20 <sup>th</sup> Century	3	MUSJ 107	Guitar Tech. for Music Therapy	2
MUSJ 120	Psychology of Music	3	MUSJ 115	Influence of Music on Behavior	3
MUTO 031	Student Recital V	0	MUSJ 116	Practicum III	0
PSYC 116	Abnormal Psychology	3	MUTO 112	Senior Recital	0
SEED 150	Survey & Ed Exc Child	3	PSYC 050	Intro to Psychology	3
			THDN 031	Human Anatomy	3
<b>Total</b>			<b>Total</b>		
<b>18</b>			<b>19</b>		

**Senior Year (30 hours)**

**First Semester**

<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
<b>ANTH 110</b>	Cultural Anthropology	3
<b>MUSB 103</b>	Orchestration I	3
<b>MUSD 056</b>	Choral Conducting	3
<b>MUSJ 121</b>	Senior Practicum	2
<b>MUTO 041</b>	Student Recital VII	0
<b>SOCI 020</b>	Social Psychology	3
<b>Total</b>		<b>17</b>

**Second Semester**

<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
<b>MUSJ 135</b>	Music Therapy Internship	1
<b>MUSJ 136</b>	Music Therapy Coop	12
<b>Total</b>		<b>13</b>

**College of Arts & Sciences**

Undergraduate Curriculum Guide for Bachelor of Music Major - Performance – Instrument Concentration

**Freshman Year (31 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
ENGL 002	Freshman English	3
FRSM 001	Freshman Seminar	1
MU** 211	Instrument Major I	3
MUSB 003	Elem. Ear Tr. I	2
MUSB 021	Elem. Harmony I	3
MUSE 011	Functional Piano I	1
MU** 011	Large Ensemble I	1
HHPL	Physical Education	1
MUTO 011	Student Recital I	0
<b>Total</b>		<b>15</b>

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
ENGL 003	Freshman English	3
MU** 212	Instrument Major II	3
MUSB 004	Elem. Ear Tr. II	2
MUSB 022	Elem. Harmony II	3
MUSE 012	Functional Piano II	1
MU** 012	Large Ensemble II	1
MATH 006	College Algebra I	3
<b>Total</b>		<b>16</b>

**Sophomore Year (32 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
MU** 221	Instrument Major III	3
MUSB 011	Adv. Ear. Tr. I	2
MUSB 041	Adv. Harmony I	3
MUSE 021	Functional Piano III	1
MUSC 005	Music Lit. to 16 <sup>th</sup> Century	3
HUCO 101	Principles of Speech	3
MUTO 021	Student Recital III	0
MU** 021	Large Ensemble III	1
<b>Total</b>		<b>16</b>

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
MU** 222	Instrument Major IV	3
MUSB 012	Adv. Ear. Tr. II	2
MUSB 042	Adv. Harmony II	3
MUSC 006	M. Lit. Baroque/Classical	3
MUSE 022	Functional Piano IV	1
MUSE 051	Piano Proficiency Exam	0
MUTO 022	Student Recital IV	0
MU** 022	Large Ensemble IV	1
	Social Sciences Course	3
<b>Total</b>		<b>16</b>

**Second Semester**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
MUSC 007	M. Lit. 19 <sup>th</sup> and 20 <sup>th</sup> Century	3
MU** 231	Instrument Major V	3
MUSB 016	Keyboard Harmony	2
MUSB 124	Form & Analysis	3
MU** 031	Large Ensemble V	1
MUTO 031	Student Recital V	0
	Foreign Language	3
<b>Total</b>		<b>15</b>

**Junior Year (29 hours)**

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
MU** 232	Instrument Major VI	3
MUSB 043	Counterpoint	3
MUTO 032	Student Recital VI	0
MUSC 008	Afro/Afro-Amer. M. Lit	3
MU** 032	Large Ensemble VI	1
MUSD 058	Instrumental Conducting	3
MUTO 111	Qualifying Recital	0
HHPL	Physical Education	1
<b>Total</b>		<b>14</b>

**Senior Year (29 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
MU** 241	Instrument Major VII	3
MUSB 103	Orchestration I	3
MU** 111	Small Ensemble I	1
MUTO 041	Student Recital VII	0
MUSD 021	Instrumental Pedagogy	3
	Natural Science Elective	3
	General Elective	3
<b>Total</b>		<b>16</b>

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
MUTO 042	Student Recital VIII	0
MUTO 112	Senior Recital	0
MU** 242	Instrument Major VIII	3
MU** 112	Small Ensemble II	1
ARTE 080	Computers in the Arts	
or MUSI 076	Intro to Music Technology I	3
	Philosophy Elective	3
	General Elective	3
<b>Total</b>		<b>13</b>

**College of Arts & Sciences**

Undergraduate Curriculum Guide for Bachelor of Music Major-Performance – Piano

**IMPORTANT:**

**Freshman Year (31 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
ENGL 002	Freshman English	3	ENGL 003	Freshman English	3
FRSM 001	Freshman Seminar	1	MUSB 004	Elem. Ear Tr. II	2
MUSB 003	Elem. Ear Tr. I	2	MUSB 022	Elem. Harmony II	3
MUSB 021	Elem. Harmony I	3	MU** 012	Large Ensemble II	1
MU** 011	Large Ensemble I	1	MUSE 212	Piano Major II	3
MUSE 211	Piano Major I	3	MUTO 012	Student Recital II	0
MUTO 011	Student Recital I	0	HUCO 101	Principles of Speech	3
MATH 006	Algebra I	3			
<b>Total</b>			<b>Total</b>		
<b>16</b>			<b>15</b>		

**Sophomore Year (31 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
MUSB 011	Adv. Ear. Tr. I	2	MUSB 012	Adv. Ear. Tr. II	2
MUSB 041	Adv. Harmony I	3	MUSB 042	Adv. Harmony II	3
MUSC 005	Music Lit. to 16 <sup>th</sup> Century	3	MUSC 006	M. Lit. Baroque/Classical	3
MUTO 021	Student Recital III	0	MUTO 022	Student Recital IV	0
MU** 021	Large Ensemble III	1	MU** 022	Large Ensemble IV	1
MUSE 221	Piano Major III	3	MUSB 116	Keyboard Harmony	2
MUSE 153	Vocal Accompanying I	2	MUSE 154	Vocal Accompanying II	2
HHPL	Physical Education	1	MUSE 222	Piano Major IV	3
			MUTO 111	Qualifying Recital	0
<b>Total</b>			<b>Total</b>		
<b>15</b>			<b>16</b>		

**Second Semester**

**Junior Year (30 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
ARTE 080	Computers in the Arts		MUSB 043	Counterpoint	3
or MUSB 124	Form & Analysis	3	MUSC 008	Afro/Afro-Amer. M. Lit	3
MUSC 007	M. Lit. 19 <sup>th</sup> and 20 <sup>th</sup> Century	3	MUSE 171	Piano Literature II	2
MUTO 031	Student Recital V	0	MUSE 232	Piano Major VI	3
MUSE 171	Piano Literature I	2	MUSZ 322	Piano Trio (Ens.) II	1
			MUTO 041	Student Recital VI	0
MUSE 231	Piano Major V	3		Philosophy Elective	3
MUSI 076	Intro to Music Technology I	3			
MUSZ 111	Piano Trio (Ens.) I	1			
<b>Total</b>			<b>Total</b>		
<b>15</b>			<b>15</b>		

**Senior Year (28 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
MUSE 157	Piano Pedagogy I	2	MUTO 042	Student Recital VIII	0
MUSE 241	Piano Major VII	3	MUTO 112	Senior Recital	0
MUSZ 121	Piano Trio (Ens.) III	1	MUSE 158	Piano Pedagogy II	2
MUTO 041	Student Recital VII	0	MUSE 242	Piano Major VIII	3
	General Elective	3	MUSZ 122	Piano Trio (Ens.) IV	1
	Foreign Language	3		General Elective	3
HHPL	Physical Education	1		Natural Science Elective	3
				Social Science Elective	3
<b>Total</b>			<b>Total</b>		
<b>13</b>			<b>15</b>		



**College of Arts & Sciences**  
Undergraduate Curriculum Guide for Performance – Voice

**Freshman Year (32 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
ENGL 002	Freshman English	3
FRSM 001	Freshman Seminar	1
MUSB 003	Elem. Ear Tr. I	2
MUSB 021	Elem. Harmony I	3
MUSE 011	Functional Piano I	1
MUSG 211	Voice Major I	3
MUSG 156	Diction for Singers	2
MUTL 011	University Choir I	1
MUTO 011	Student Recital I	0
<b>Total</b>		<b>16</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
ENGL 003	Freshman English	3
MATH 006	College Algebra I	3
MUSB 004	Elem. Ear Tr. II	2
MUSB 022	Elem. Harmony II	3
MUSE 012	Functional Piano II	1
MUSG 212	Voice Major II	3
MUTL 012	University Choir II	1
MUTO 012	Student Recital II	0
<b>Total</b>		<b>16</b>

**Sophomore Year (32 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
MUSB 011	Adv. Ear. Tr. I	2
MUSB 041	Adv. Harmony I	3
MUSE 021	Functional Piano III	1
MUSC 005	Music Lit. to 16 <sup>th</sup> Century	3
MUTO 021	Student Recital III	0
MUTL 021	University Choir III	1
MUSG 221	Voice Major III	3
GERM 001	German I	3
<b>Total</b>		<b>16</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
MUSB 012	Adv. Ear. Tr. II	2
MUSB 042	Adv. Harmony II	3
MUSC 006	M. Lit. Baroque/Classical	3
MUSE 022	Functional Piano IV	1
MUSE 051	Piano Proficiency Exam	0
MUTO 022	Student Recital IV	0
MUTL 022	University Choir IV	1
MUSG 222	Voice Major IV	3
GERM 002	German II	3
<b>Total</b>		<b>16</b>

**Second Semester**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
MUSG 155	Vocal Pedagogy	3
MUSG 171	Opera Ensemble Workshop I	1
MUSG 231	Vocal Major V	3
MUTL 031	University Choir V	1
MUSB 124	Form & Analysis	3
MUSC 007	M. Lit. 19 <sup>th</sup> and 20 <sup>th</sup> Century	3
MUTO 031	Student Recital V	0
HHPL	Physical Education	1
<b>Total</b>		<b>15</b>

**Junior Year (30 hours)**

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
MUSB 043	Counterpoint	3
MUSB 016	Keyboard Harmony	2
MUSG 157	Solo Vocal Literature	3
MUSG 172	Opera Ensemble Workshop II	1
MUSG 232	Voice Major VI	3
MUSC 008	Afro/Afro-Amer. M. Lit	3
MUTO 032	Student Recital VI	0
MUTO 111	Qualifying Recital	0
<b>Total</b>		<b>15</b>

**Senior Year (29 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
MUTO 041	Student Recital VII	0
MUSG 173	Opera Ensemble Workshop III	1
MUSG 241	Voice Major VII	3
MUSI 076	Intro to Music Technology I	3
MUTL 041	University Choir VII	1
THAC 020	Intro to Acting: Non-Majors	3
FREN 001	French I	3
HHPL	Physical Education	1
<b>Total</b>		<b>15</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
MUTO 042	Student Recital VIII	0
MUTO 112	Senior Recital	0
MUSG 174	Opera Ensemble Workshop IV	1
MUSG 242	Voice Major VIII	3
MUTL 042	University Choir VIII	1
FREN 002	French II	3
	Philosophy Elective	3
	General Elective	3
<b>Total</b>		<b>14</b>

**Senior Year (31 hours)**

**First Semester**

<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
<b>MATH 197</b>	Intro to Modern Algebra	3
<b>MATH</b>	Mathematics Elective	3
<b>DIV. B</b>	Social Science Elective	3
<b>DIV. C</b>	Social Science Elective	3
	General Elective	3

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**Total 15**

**Second Semester**

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**College of Arts & Sciences**  
Undergraduate Curriculum Guide for Philosophy B.A. Program

**Freshman Year (30 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
<b>AFRO 005</b>	Afro-American Studies I	3
<b>ENGW</b>	Freshman Composition	3
<b>DIV. A</b>	Humanities Elective	3
<b>FRSM 001</b>	Freshman Seminar	1
	Foreign Language	3
<b>HHPL</b>	Physical Education	1
<b>Total</b>		<b>14</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
<b>ENGW</b>	Freshman Composition	3
<b>DIV. A</b>	Humanities Elective	3
<b>DIV. D</b>	Natural Science Elective	3
<b>PHIL</b>	Philosophy (Below 100)	3
	Foreign Language	3
<b>HHPL</b>	Physical Education	1
<b>Total</b>		<b>16</b>

**Sophomore Year (30 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
<b>MATH 006</b>	College Algebra I	3
<b>PHIL 700</b>	Phil. or English Writing Course	3
<b>PHIL 175/151</b>	Symbolic Logic/Metaphysics	3
	Foreign Language	3
<b>DIV. C</b>	Social Science Elective	3
<b>Total</b>		<b>15</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
<b>MATH</b>	Mathematics	3
<b>PHIL 110</b>	Classical Ethics	3
<b>PHIL 150</b>	Epistemology	3
	Foreign Language	3
<b>DIV. C</b>	Social Science Elective	3
<b>Total</b>		<b>15</b>

**Junior Year (30 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
<b>PHIL 179</b>	Africana Philosophy	3
<b>HIST 005/006</b>	Black Diaspora I or II	3
<b>DIV. D</b>	Natural Science Elective	3
	General Elective	3
	Minor	3
<b>Total</b>		<b>15</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
<b>PHIL</b>	Major Elective	3
<b>PHIL</b>	Major Elective	3
	Minor	3
	Minor	3
	General Elective	3
<b>Total</b>		<b>1</b>

**Senior Year (30 hour)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
<b>PHIL</b>	Major Elective	3
<b>PHIL</b>	Senior Seminar (or other Phil.)	3
	Minor	3
	Minor	3
	General Elective	3
<b>Total</b>		<b>15</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
<b>PHIL</b>	Major Elective	3
<b>PHIL</b>	Major Elective	3
	General Elective	3
	General Elective	3
	Minor	3
<b>Total</b>		<b>15</b>

**College of Nursing and Allied Health Sciences**

Undergraduate Curriculum Guide for Physician Assistant B.S.

**IMPORTANT:** \*Or BIOL220-General Microbiology Lecture and Lab    \*\*Currently enrolled Howard University students

**Freshman Year (34 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
ENGL 002	Freshman Composition	3
MATH 006	College Algebra I	3
SOCI 001	Intro to Sociology	3
BIOL 101	Biology Lecture & Lab	4
AHCC 110	General Orientation	2
HHPL	Physical Education	1
<b>Total</b>		<b>16</b>

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
ENGL 003	Freshman Composition	3
MATH 010	College Algebra II	4
MDMI 112	Microbiology Lecture & Lab*	4
PSYC 050	Intro to Psychology	3
HHPL	Physical Education	1
PHIL 055	Intro to Philosophy	3
<b>Total</b>		<b>18</b>

**Sophomore Year (26 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
CHEM 180	Chemistry HS I Lecture**	4
CHEM 181	Chemistry HS I Lab**	1
ENGL 009	Technical Writing	3
AHCC 201	Community Health	3
	African-American Cluster	3
<b>Total</b>		<b>14</b>

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
CHEM 182	Chemistry HS II Lecture	4
CHEM 181	Chemistry HS II Lab	1
AHCC 003	Medical Terminology	2
AHCC 202	Computer Technology	3
NUTR 301	Nutrition	2
<b>Total</b>		<b>12</b>

**Junior Year (30 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
PHAS 018	Clinical Lab Procedures	3
PHAS 030	Physical Diagnosis I	4
PHAS 036	Clinical Chemistry	3
PHAS 005	Introduction to PA	1
MPHY 101	General Physiology	4
MDAN 168	Human Anatomy	4
<b>Total</b>		<b>19</b>

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
PHAS 021	Clinical Medicine I	4
PHAS 022	Clinical Medicine II	4
PHAS 023	Pharmacology I	3
PHAS 034	Physical Diagnosis II	2
PHAS 316	Principles of Disease	3
AHCC 375	Geriatrics of AHP	2
<b>Total</b>		<b>18</b>

**Senior Year (28 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
PHAS 039	Surgery	2
PHAS 035	Physical Diagnosis III	2
PHAS 027	Mental Health	2
PHAS 025	OB/GYN	2
PHAS 029	Child Health	2
AHCC 301	Ethics for Health Professions	2
PHAS 028	Pharmacology II	3
PHAS 037	Clinical Medicine III	4
<b>Total</b>		<b>14</b>

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
PHAS	Spring Clerkship I	15
PHAS	Summer Clerkship II	15
PHAS	Fall Clerkship III	15
<b>Total</b>		<b>45</b>

**College of Arts & Sciences**

Undergraduate Curriculum Guide for the Physics Major (B.S.)

**IMPORTANT: + 3 Directed Readings can be replaced by one computer/electronic 3-credit course**

**\*Satisfies Writing Across the Curriculum (WAC) requirement \*\*Computer/Computational Physics course**

**Freshman Year (30 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
PHYS 013	General Physics I	3	PHYS 014	General Physics II	3
PHYS 023	General Physics I Lab	1	PHYS 024	General Physics II Lab	1
MATH 156	Calculus I	4	MATH 157	Calculus II	4
ENGW	Freshman Composition	3	ENGW	Freshman Composition	3
	Foreign Language	3		Foreign Language	3
FRSM 001	Freshman Seminar	1	HHPL	Physical Education	1
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>15</b>

**Sophomore Year (29 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
PHYS 015	Intro to Modern Physics	3	PHYS 175	Thermodynamics	4
PHYS 025	Modern Physics Lab	1	MATH 158	Calculus III	3
MATH 159	Differential Equations	4	SLMC 101	Principles of Speech	3
	Foreign Language	3		Foreign Language	3
DIV. A	Humanities Elective	3	HHPL	Physical Education	1
			PHYS084/085	Directed Readings	1
<b>Total</b>		<b>14</b>	<b>Total</b>		<b>15</b>

**Junior Year (34 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
PHYS 182	Physical Mechanics	3	PHYS 190	Quantum Physics	3
PHYS 178	Electricity and Magnetism	3	PHYS	Major Elective	3
CHEM 003	Chemistry I	4	CHEM 004	Chemistry II	4
DIV. B	Social Science Elective	3	DIV. B	Social Science Elective	3
DIV. C	African American Cluster	3	PHIL	Philosophy	3
PHYS088/089	Directed Readings	1	HHPL	Physical Education	1
<b>Total</b>		<b>17</b>	<b>Total</b>		<b>17</b>

**Senior Year (27 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
PHYS 702*	Exper. Physics I - WRITG	3	PHYS	Major Elective	3
PHYS	Major Elective	3	PHYS	Major Elective	3
DIV. C	Social Science Elective	3	DIV. C	Social Science Elective	3
PHYS	Major Elective	3	PHYS	Hon. Thesis (opt) or PHYS Elect.	1
HHPL	Physical Education	1	PHYS	Seminar or Elective**	3
<b>Total</b>		<b>13</b>	<b>Total</b>		<b>14</b>

**College of Arts & Sciences**  
Undergraduate Curriculum Guide for Political Science Major (B.A.)

**Freshman Year (34 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
<b>POLS 001</b>	Intro to Political Science	3
<b>Div. A</b>	Humanities Elective	3
<b>MATH 006</b>	College Algebra I	3
<b>ENGW</b>	Freshman Composition	3
<b>FRSM 001</b>	Freshman Seminar	1
	Foreign Language	3
<b>Total</b>		<b>16</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
<b>POLS 010</b>	National Government of the US	3
<b>MATH</b>	Mathematics	4
<b>ENGW</b>	Freshman Composition	3
<b>Div. A</b>	Humanities Elective	3
<b>HHPL</b>	Physical Education	1
	Foreign Language	4
<b>Total</b>		<b>18</b>

**Sophomore Year (30 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
<b>POLS 002</b>	Intro to Research in Pol. Sci.	3
<b>SLMC 101</b>	Principles of Speech	3
<b>DIV. D</b>	Natural Science Elective	3
<b>ENGL</b>	Writing Course	3
	Foreign Language	3
<b>Total</b>		<b>15</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
<b>POLS</b>	Political Theory Course	3
<b>PHIL</b>	Philosophy	3
<b>DIV. B</b>	Social Science Elective	3
<b>DIV. A</b>	Humanities Elective	3
	Foreign Language	3
<b>Total</b>		<b>15</b>

**Junior Year (29 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
<b>POLS</b>	Political Science Major Course	3
<b>POLS</b>	Political Science Major Course	3
<b>POLS</b>	Political Science Major Course	3
<b>Div. B</b>	Social Science	3
<b>Div. D</b>	Natural Science	3
	Health Science	1
<b>Total</b>		<b>16</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
<b>POLS</b>	Political Science Major Course	3
<b>POLS</b>	Political Science Major Course	3
	Minor Concentration Course	3
<b>DIV. C</b>	Afro-American Cluster	3
	Physical Education	1
<b>Total</b>		<b>13</b>

**Senior Year (27 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
<b>POLS</b>	Political Science Major Course	3
<b>POLS</b>	Political Science Major Course	3
<b>POLS</b>	Minor Concentration Course	3
<b>POLS</b>	Minor Concentration Course	3
	General Elective	3
<b>Total</b>		<b>15</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
<b>POLS</b>	Minor Concentration Course	3
<b>POLS</b>	Minor Concentration Course	3
	General Elective Course	3
	General Elective Course	3
<b>Total</b>		<b>12</b>

**College of Arts & Sciences**  
Undergraduate Curriculum Guide for Psychology B.S. Degree Program

**Freshman Year (32 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
<b>PSYC 050</b>	Intro to Psychology (Core)	3	<b>PSYC 125</b>	General Social Psychology	3
<b>DIV. A</b>	Humanities Elective	3	<b>MATH</b>	Div. D	4
<b>DIV. B</b>	African American Cluster	3	<b>ENGW</b>	Freshman Composition	3
<b>MATH</b>	Division D	3	<b>DIV. B</b>	Social Science Elective	3
<b>ENGW</b>	Freshman Composition	3		Foreign Language	3
<b>FRSM 001</b>	Freshman Seminar	1			
		<b>Total</b>			<b>16</b>

**Sophomore Year (30 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
<b>PSYC 051</b>	Experimental Psychology	4	<b>PSYC 063</b>	Research Methods and Stats I	4
<b>DIV. A</b>	Humanities Elective	3	<b>DIV. A</b>	Humanities Elective	3
<b>DIV. C</b>	Social Science Elective	3	<b>ENGL</b>	Writing Course	3
<b>HHPL</b>	Physical Education	1		Foreign Language	3
<b>HHPL</b>	Physical Education	1	<b>HHPL</b>	Physical Education	1
	Foreign Language	3	<b>HHPL</b>	Physical Education	1
		<b>Total</b>			<b>15</b>

**Junior Year (31 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
<b>PSYC 064</b>	Research Methods and Stats. II	4	<b>PSYC</b>	Major Elective	3
<b>PHIL</b>	Philosophy	3	<b>PSYC</b>	Major Elective	3
<b>DIV. A</b>	Humanities Elective	3	<b>PSYC 110</b>	Brain and Behavior	3
	Minor Elective	3	<b>SLMC 101</b>	Principles of Speech	3
	Foreign Language	3		Minor Elective	3
		<b>Total</b>			<b>16</b>
					<b>Total</b>
					<b>15</b>

**Senior Year (27 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
<b>PSYC</b>	Major Elective	3			
<b>PSYC 119</b>	Cognition		<b>PSYC</b>	Major Elective/Senior Research	3
<b>or PSYC 102</b>	Perception		<b>PSYC</b>	Major Elective	3
<b>or PSYC 105</b>	Learning	3		Minor/General Elective	3
	Minor Elective	3		Minor Elective	3
	Minor Elective	3		General Elective	3
		<b>Total</b>			<b>12</b>
					<b>Total</b>
					<b>12</b>

**College of Nursing and Allied Health Sciences**

Undergraduate Curriculum Guide for B.S. Degree in Radiation Therapy

**Freshman Year (29 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
ENGL 002	Freshman Composition	3
MATH 006	College Algebra I	3
BIOL	Biology	4
	General Orientation	2
	African American Cluster	3
	Intro to Allied Health Prof.	1
HHPL	Physical Education	1
<b>Total</b>		<b>17</b>

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
ENGL 003	Freshman Composition	3
MATH	Precalculus	4
	Intro to Sociology	3
	Computers for Allied Health	3
HHPL	Physical Education	1
	Elective	3
<b>Total</b>		<b>17</b>

**Sophomore Year (35 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
	Principles of Reasoning	3
	Intro to Psychology	3
	Radiation Therapy Orientation	2
	Anatomy Lecture/Lab	4
	Elective	3
	Technical Writing	3
<b>Total</b>		<b>18</b>

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
	Physics for Allied Health	5
	Elementary Statistics	3
	Medical Terminology	2
	General Physiology	4
	Principles of Speech	3
<b>Total</b>		<b>17</b>

**Junior Year (30 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
	Clinical Radiation Therapy I	2
	Prin. & Prac. of Radiation Ther.	3
	Environment & Rad. Protection	2
	Radiation Therapy Physics I	3
	Cross Sectional Anatomy	2
	Ethics for Health Professionals	2
	Research Methods	2
<b>Total</b>		<b>16</b>

**Course #**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
	Clinical Radiation Therapy II	2
	Imaging and Radiation Therapy	2
	Patient Care and Management	3
	Radiation Therapy Physics II	3
	Problem Solving I	2
	Radiation Oncology I	3
	Pathophysiology	3
<b>Total</b>		<b>18</b>

**Second Semester**

**Junior Year – Summer Sessions (6 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
	Clinical Radiation Therapy III	3
	Clinical Radiation Therapy IV	3
<b>Total</b>		<b>6</b>

**Senior Year (29 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
	Clinical Radiation Therapy V	2
	Radiation Oncology II	3
	Treatment Planning I	3
	Quality Management	2
	Health Systems Management	3
	Interdis. Com. Based Health Care	2
	Problem Solving II	2
<b>Total</b>		<b>17</b>

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
	Clinical Radiation Therapy VI	5
	Radiation Biology	2
	Problem Seminar	3
	Treatment Planning II	2
<b>Total</b>		<b>12</b>



### School of Education

Undergraduate Curriculum Guide for the Secondary Education Minor  
24 credits + 7 Self-paced Professional Development Modules (PDM)

<b>Completed Before the End of Sophomore Year</b>	
<b>Requirement</b>	<b>Semester Offered</b>
EDUC 210 - Foundations & Urban Education (3)	Fall Only
Professionalism (PDM)	Online (available via Blackboard Community)
Instructional and Assistive Technology (PDM)	Online (available via Blackboard Community)
<b>Completed Before the End of Junior Year</b>	
<b>Requirement</b>	<b>Semester Offered</b>
EDUC 311 Special Education & Classroom Management (3)	Fall Only
EDUC 212 Educational Psychology: Learning and African American Learners (3)	Spring
Writing Workshop (PDM)	Online (available via Blackboard Community)
Assessment (PDM)	Online (available via Blackboard Community)
Teachers of English to Speakers of Other Languages (TESOL) (PDM)	Online (available via Blackboard Community)
Curriculum Theory (PDM)	Online (available via Blackboard Community)
<b>Completed During Senior Year</b>	
EDUC 410 Pedagogy & Content Literacy (3)	Fall
EDUC 430 Methods and Instructional Technology (3)	Spring
EDUC 450 Internship & Classroom Management (9)	Spring
Engaging Families, Communities, and School Personnel (PDM)	Online (available via Blackboard Community)

**College of Arts & Sciences**  
Undergraduate Curriculum Guide for the Sociology B.A. Degree Program

**Freshman Year (32 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>
<b><u>Hrs</u></b>			<b><u>Hrs</u></b>		
<b>SOCI 001</b>	Intro to Sociology	3	<b>ENGW</b>	Freshman Composition	3
<b>ENGW</b>	Freshman Composition	3	<b>DIV. A</b>	Humanities Elective	3
<b>FRSM 001</b>	Freshman Seminar	1	<b>DIV. B</b>	Social Science Elective	3
<b>DIV. A</b>	Humanities Elective	3	<b>DIV. D</b>	Natural Science Elective	3
<b>DIV. D</b>	Natural Science Elective	3		Foreign Language	3
	Foreign Language	3	<b>HHPL</b>	Physical Education	1
<b>Total</b>		<b>16</b>	<b>Total</b>		<b>16</b>

**Sophomore Year (31 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>
<b><u>Hrs</u></b>			<b><u>Hrs</u></b>		
<b>MATH 006</b>	College Algebra I	3	<b>PHIL</b>	Philosophy	3
<b>ENGL</b>	Writing Course	3	<b>MATH 007</b>	PreCalculus	4
<b>DIV. A</b>	Divisional	3	<b>DIV. A</b>	Humanities Elective	3
<b>DIV. B</b>	African American Cluster	3		Foreign Language	3
	Foreign Language	3	<b>SOCI</b>	Major Elective	3
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>16</b>

**Junior Year (30 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>	<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>
<b><u>Hrs</u></b>			<b><u>Hrs</u></b>		
<b>SOCI 020</b>	Social Psychology	3	<b>SOCI 100/700</b>	Social Theory	3
<b>SLMC 101</b>	Principles of Speech	3	<b>SOCI</b>	Sociological Methods	3
<b>SOCI 110</b>	Elementary Statistics	3	<b>SOCI</b>	Sociology Elective	3
	General Elective	3	<b>SOCI</b>	Sociology Elective	3
	Minor Course	3		Minor Course	3
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>15</b>

**Senior Year (27 hours)**

<b><u>First Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
<b>ANTH 120/110</b>	Bio. Anthro. or Cultural Anthro.	3
<b>SOCI</b>	Sociology Elective	3
<b>SOCI</b>	Sociology Elective	3
	Minor Course	3
<b>Total</b>		<b>12</b>

  

<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit Hrs</u></b>
	General Elective	3
	General Elective	3
	General Elective	3
	Minor Course	3
	Minor Course	3
<b>Total</b>		<b>15</b>

**College of Arts & Sciences**  
Undergraduate Curriculum Guide for the Spanish Major (B.A.)

**Freshman Year (33 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SPAN 040	Grammar Review	3
ENGL 002	Freshman English	3
FRSM 001	Freshman Seminar	1
Div. A	Divisional (Phil.)	3
AFRO	Afro-American Studies I	3
MATH	Mathematics	3
	Physical Education	1
<b>Total</b>		<b>17</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SPAN 052	Reading/Writing Workshop	3
ENGL 003	Freshman English	3
Div. A	Divisional	3
Div. B	Divisional	3
MATH	Mathematics	3
	Physical Education	1
<b>Total</b>		<b>16</b>

**Sophomore Year (32 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SPAN 050	Spanish Oral Expressions I	3
ENGL	Writing Course	3
Div. C	Divisional	3
Div. D	Divisional	3
	General Elective	3
	Physical Education	1
<b>Total</b>		<b>16</b>

**Second Semester**

SPAN 060	Textual Analysis	3
Div. C	Divisional	3
Div. D	Divisional	3
	Speech	3
	General Elective	3
	Physical Education	1
<b>Total</b>		<b>16</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
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**Junior Year (27 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SPAN 080	Survey of Spanish Lit. & Civ. I	3
SPAN 083	Survey of Spanish Lit. & Civ.	3
	Minor Course	3
	General Elective	3
	General Elective	3
<b>Total</b>		<b>15</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SPAN 077	Advanced Grammar and Comp.	3
SPAN 084	Survey of Latin Amer. Lit. & Civ II	3
SPAN 081	Survey of Latin Amer. Lit. & Civ	3
	Minor Course	3
	Minor Course	3
<b>Total</b>		<b>15</b>

**Second Semester**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SPAN 085	Survey of Afro-Hisp. Lit. & Civ.	3
SPAN	Spanish Elective	3
	Minor Course	3
	Minor Course	3
<b>Total</b>		<b>12</b>

**Senior Year (22 hours)**

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SPAN	Spanish Elective	3
SPAN	Senior Seminar	1
	Minor Course	3
	General Elective	3
	General Elective	3
<b>Total</b>		<b>13</b>

**School of Communications**  
Undergraduate Curriculum Guide for Communications B.A. Degree in  
Strategic, Legal and Management Communication  
Organizational Comm. Management Sequence

IMPORTANT: Unless otherwise arranged, SOC required courses should be taken within the year designated.  
\*Electives and minor courses may be taken as available.  
\*\*SLMC 490 is a pre-requisite for SLMC 493 and cannot be taken simultaneously.

**Freshman Year (31 hours)**

<u>First Semester</u>			<u>Second Semester</u>		
<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>	<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
ENGW	Freshman Composition	3	ENGW	Freshman Composition	3
SCOM 102	Intro: Comm. Prof. Dev.	1	SLMC 101	Principles of Speech	3
SCOM 120	*Digital Media Literacy	3	SCOM 130	Ethical Issues in Communication	3
MATH	Mathematics Elective	3	PHIL 051	Intro to Philosophy	3
PSYC 050	Intro to Psychology	3	or PHIL 055	Principles of Reasoning	3
	Foreign Language	3		Foreign Language	3
<b>Total</b>		<b>16</b>	<b>Total</b>		<b>15</b>

**Sophomore Year (31 hours)**

<u>First Semester</u>			<u>Second Semester</u>		
<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>	<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SLMC 202	Intro to Communication Theory	3	SLMC 210	Intro to Strategic Communication	3
SLMC 203	Principles of Persuasion	3	SLMC 251	Interpersonal Communication	3
SLMC 250	Intro to Lead. & Mgmt. Comm.	3	HHPL	Physical Education	1
ARTE 080	*Computers and the Arts	3	HIST	*U.S. History Elective	3
ENGL 009	*Tech Writing for Pre-Prof.	3		*African-American Requirement	3
				*Minor – Requirement	3
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>16</b>

**Junior Year (31 hours)**

<u>First Semester</u>			<u>Second Semester</u>		
<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>	<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SLMC 301	Intercultural/Intern. Comm.	3	SLMC 351	Advanced Public Speaking	3
SLMC 352	Intro to Organizational Comm.	3	SLMC	SLMC Elective	3
SOCI 001	Intro to Sociology	3	HHPL	Physical Education	1
	*Humanities Elective	3		*Soc Sci. Elect. or MGMT 301	3
	*Minor – Requirement	3		*Minor – Requirement	3
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>16</b>

**Senior Year (27 hours)**

<u>First Semester</u>			<u>Second Semester</u>		
<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>	<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SLMC 405	Practicum-Internship: OCM	1	SLMC 492	**Capstone: Senior Research Proj.	3
SLMC 490	**Comm. Research Methods	3	SCOM 220	Communication Entrepreneurship	3
SLMC 431	Conflict Mgmt. & Negot. Strgy.	3	SLMC 325	SLMC Co-Curricular	1
or SLMC 451	Training & Development	3		*Minor – Requirement	3
ARTE 081	*Desktop Publishing or elective	3		*Social Science Elective	3
	*Minor – Requirement	3			
<b>Total</b>		<b>13</b>	<b>Total</b>		<b>14</b>

**School of Communications**  
Undergraduate Curriculum Guide for Communications B.A. Degree in  
Strategic, Legal and Management Communication  
Media Management Sequence

IMPORTANT: Unless otherwise arranged, SOC required courses should be taken within the year designated.

\*Electives and minor courses may be taken as available.

\*\*SLMC 490 is a pre-requisite for SLMC 493 and cannot be taken simultaneously.

**Freshman Year (32 hours)**

<u>First Semester</u>			<u>Second Semester</u>		
<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>	<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
ENGW	Freshman Composition	3	ENGW	Freshman Composition	3
SCOM 102	Intro: Comm. Prof. Dev.	1	SLMC 101	Principles of Speech	3
SCOM 120	*Digital Media Literacy	3	SCOM 130	Ethical Issues in Communication	3
	General Elective	3	HHPL	Physical Education	1
	Social Science Elective	3	PHIL 051	Intro to Philosophy	3
	Foreign Lang./Humanities Elect.	3		Foreign Lang./Humanities Elect.	3
<b>Total</b>		<b>16</b>	<b>Total</b>		<b>16</b>

**Sophomore Year (31 hours)**

<u>First Semester</u>			<u>Second Semester</u>		
<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>	<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SLMC 202	Intro to Communication Theory		SLMC 210	Intro to Strategic Communication	3
or MJFC 101	Intro to Mass Communications	3	SLMC 241	Communication Policy	3
SLMC 203	Principles of Persuasion	3	ECON 002	Principles of Economics II	3
SLMC 250	Intro to Lead. and Mgmt. Comm.	3		Social Science Elective	3
ECON 001	Principle of Economics I	3		*Minor	3
MATH	Math Elective	3	<b>Total</b>		<b>15</b>
HHPL	Physical Education	1	<b>Total</b>		<b>16</b>
<b>Total</b>		<b>16</b>	<b>Total</b>		<b>15</b>

**Junior Year (30 hours)**

<u>First Semester</u>			<u>Second Semester</u>		
<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>	<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SLMC 341	Race, Gender & Media	3	SLMC 343	Programming	3
SLMC 321	Advertising Sales	3	SLMC 301	Intercultural/Internat. Comm.	3
	General Elective	3		African-American Requirement	3
	General Elective	3		General Elective	3
	*Minor	3		*Minor	3
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>15</b>

**Senior Year (27 hours)**

<u>First Semester</u>			<u>Second Semester</u>		
<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>	<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SLMC 490	**Comm. Research Methods	3	SLMC 404	Practicum-Internship: MM	1
SLMC 441	Broadcast Management	3	SLMC 492	**Capstone:Senior Research Proj.	3
SLMC	SLMC Elective	3	SLMC 325	SLMC Co-Curricular	1
	*Minor	3		*Minor	3
HHPL	Physical Education	1		*Minor	3
<b>Total</b>		<b>13</b>		General Elective	3
<b>Total</b>		<b>13</b>	<b>Total</b>		<b>14</b>

**School of Communications**  
Undergraduate Curriculum Guide for Communications B.A. Degree in  
Strategic, Legal and Management Communication  
Advertising Sequence

IMPORTANT: Unless otherwise arranged, SOC required courses should be taken within the year designated. Electives and minor courses may be taken as available.

**Freshman Year (32 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>		<b><u>Course #</u></b>	<b><u>Course Name</u></b>	
<b><u>Credit Hrs</u></b>			<b><u>Credit Hrs</u></b>		
<b>ENGW</b>	Freshman Composition	3	<b>ENGW</b>	Freshman Composition	3
<b>SCOM 102</b>	Intro: Comm. Prof. Dev.	1	<b>SLMC 101</b>	Principles of Speech	3
<b>SCOM 120</b>	*Digital Media Literacy	3	<b>SCOM 130</b>	Ethical Issues in Communication	3
	Social Science/History Elective	3	<b>HHPL</b>	Physical Education	1
	Foreign Language/Gen. Elective	3		Social Science/History Elective	3
<b>MATH</b>	Mathematics Elective	3		Foreign Language/Gen. Elective	3
<b>Total</b>		<b>16</b>	<b>Total</b>		<b>16</b>

**Sophomore Year (32 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>		<b><u>Course #</u></b>	<b><u>Course Name</u></b>	
<b><u>Credit Hrs</u></b>			<b><u>Credit Hrs</u></b>		
<b>SLMC 202</b>	Intro to Communication Theory		<b>SLMC 210</b>	Intro to Strategic Communication	3
or <b>MJFC 101</b>	Intro to Mass Communications	3	<b>SLMC 203</b>	Principles of Persuasion	3
<b>ENGL</b>	English Elective (above 003)	3	<b>ECON 002</b>	Principles of Economics II	3
<b>PHIL</b>	Philosophy	3		General Elective	3
<b>ECON 001</b>	Principles of Economics I	3		General Elective	3
<b>HHPL</b>	Physical Education	1	<b>SOCI</b>	Sociology Elective	3
<b>Total</b>		<b>14</b>	<b>Total</b>		<b>18</b>

**Junior Year (30 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>		<b><u>Course #</u></b>	<b><u>Course Name</u></b>	
<b><u>Credit Hrs</u></b>			<b><u>Credit Hrs</u></b>		
<b>SLMC 301</b>	Intercultural/Internat. Comm	3	<b>SLMC 351</b>	Advanced Public Speaking	3
<b>SLMC 321</b>	Advertising Sales	3	<b>SLMC 323</b>	Advert. Research and Mktg.	1
<b>SLMC 322</b>	Advert. Copywriting and Design	3	<b>SLMC 324</b>	Media Planning & Buying	3
<b>PSYC/SOCI</b>	Psychology or Sociology	3		Minor – Requirement	3
	Minor - Requirement	3		Minor – Requirement	3
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>15</b>

**Senior Year (26 hours)**

<b><u>First Semester</u></b>			<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>		<b><u>Course #</u></b>	<b><u>Course Name</u></b>	
<b><u>Credit Hrs</u></b>			<b><u>Credit Hrs</u></b>		
<b>SLMC 402</b>	Practicum-Internship: ADV 1		<b>SCOM 220</b>	Comm.Entrepreneurship(CERRC)	1
<b>SLMC 410</b>	Social Media & Integrated Mktg	3	<b>SLMC</b>	SLMC Elective	3
<b>SLMC 491</b>	Capstone: CapComm	3	<b>MNGT 301</b>	Mgmt. & Organization Behavior	3
	Minor – Requirement	3		Minor – Requirement	3
	African-American Requirement	3		Minor – Requirement	3
<b>Total</b>		<b>13</b>	<b>Total</b>		<b>13</b>

**School of Communications**  
Undergraduate Curriculum Guide for Communications B.A. Degree in  
Strategic, Legal and Management Communication  
Legal Communication Sequence

IMPORTANT: Unless otherwise arranged, SOC required courses should be taken within the year designated.

\*Electives and minor courses may be taken as available.

\*\*SLMC 490 is a pre-requisite for SLMC 493 and cannot be taken simultaneously.

**Freshman Year (31 hours)**

**First Semester**

Course #	Course Name	Credit Hrs
ENGW	Freshman Composition	3
SCOM 102	Intro: Comm. Prof. Dev.	1
SCOM 120	*Digital Media Literacy	3
POLI 001	Intro to Political Science	3
	Foreign Language/Gen. Elective	3
MATH	Mathematics Elective	3
<b>Total</b>		<b>16</b>

**Second Semester**

Course #	Course Name	Credit Hrs
ENGW	Freshman Composition	3
SLMC 101	Principles of Speech	3
SCOM 130	Ethical Issues in Communication	3
PHIL 051	Intro to Philosophy	3
or PHIL 055	Principles of Reasoning	3
	Foreign Language/Gen. Elective	3
<b>Total</b>		<b>15</b>

**Sophomore Year (31 hours)**

**First Semester**

Course #	Course Name	Credit Hrs
SLMC 202	Intro to Communication Theory	3
SLMC 203	Principles of Persuasion	3
POLI 010	National Government	3
COMP 004	*Comp. & Society or Comp. Elect.	3
ENGL 010	*Technical Writing for Pre-Law	3
<b>Total</b>		<b>15</b>

**Second Semester**

Course #	Course Name	Credit Hrs
SLMC 250	Intro to Lead. & Mgmt. Comm.	3
SLMC 231	Mock Trial	3
PSYC 050	Intro to Psych.	3
	*African-American Requirement	3
	Minor – Requirement	3
HHPL	Health Ed. Elective	1
<b>Total</b>		<b>16</b>

**Junior Year (31 hours)**

**First Semester**

Course #	Course Name	Credit Hrs
SLMC 301	Intercultural/Internat. Comm	3
SLMC 331	Communication Law	3
POLI 163	*Constitutional Law	3
HIST	*U.S. History Elective	3
	*Minor - Requirement	3
<b>Total</b>		<b>15</b>

**Second Semester**

Course #	Course Name	Credit Hrs
SLMC 332	Intro to Legal Research	3
	Social Science Elective	3
	Minor – Requirement	3
	Minor – Requirement	3
	*Law Elective	3
HHPL	Physical Education	1
<b>Total</b>		<b>16</b>

**Senior Year (27 hours)**

**First Semester**

Course #	Course Name	Credit Hrs
SLMC 490	**Comm. Research Methods	3
SLMC 403	Practicum-Internship: LC	1
SLMC 351	Advanced Public Speaking	3
SLMC 220	Communication Entrepreneurship	3
	Minor – Requirement	3
	*Social Science Elective	3
<b>Total</b>		<b>14</b>

**Second Semester**

Course #	Course Name	Credit Hrs
SLMC 431	Conflict Mgmt. & Negot. Strat.	3
SLMC 492	**Capstone:Senior Research Proj	3
SLMC/MFC	*Communications Elective	3
	Minor – Requirement	3
SCOM 325	SLMC Co-Curricular	1
<b>Total</b>		<b>13</b>

**Second Semester**

**School of Communications**  
Undergraduate Curriculum Guide for Communications B.A. Degree in  
Strategic, Legal and Management Communication  
Public Relations Sequence

IMPORTANT: Unless otherwise arranged, SOC required courses should be taken within the year designated.  
\*Electives and minor courses may be taken as available.

**Freshman Year (33 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
ENGW	Freshman Composition	3
SCOM 102	Intro: Comm. Prof. Dev.	1
SCOM 120	*Digital Media Literacy	3
HHPL	Physical Education	1
MATH	Mathematics Elective	3
	Foreign Language/Elective	3
	Humanities Elective	3
<b>Total</b>		<b>17</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
ENGW	Freshman Composition	3
SLMC 101	Principles of Speech	3
SCOM 130	Ethical Issues in Communication	3
HIST	U.S. History Elective	3
HHPL	Physical Education	1
	Foreign Language/Elective	3
<b>Total</b>		<b>16</b>

**Sophomore Year (32 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
MJFC 100	Fundamentals of Journalism	1
MJFC 101	Intro to Mass Communications	3
ENGL	English Elective (above 003)	3
PHIL	Philosophy	3
ECON 001	Economics I	3
SOCI	Sociology Elective	3
<b>Total</b>		<b>16</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SLMC 210	Intro to Strategic Comm.	3
SLMC 203	Principles of Persuasion	3
SLMC 103	Fundamentals of Public Relations	3
ECON 002	Economics II	3
HHPL	Physical Education	1
POLI	Political Science	3
<b>Total</b>		<b>16</b>

**Second Semester**

**Junior Year (30 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SLMC 301	Intercultural/Internat. Comm	3
SLMC 311	Basic PR Writing	3
SLMC 351	Advanced Public Speaking	3
HIST	African-American Elective	3
	Minor Elective	3
<b>Total</b>		<b>15</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SLMC 312	Advanced PR Writing	3
SLMC 313	Public Affairs Planning & Mgmt.	3
PSYC	Psychology	3
	Fine Arts Elective	3
	Minor Elective	3
<b>Total</b>		<b>15</b>

**Senior Year (25 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SLMC 410	Social Media & Integrate Mktg.	3
SLMC 491	CapComm Lab	3
	Minor Elective	3
	Minor Elective	3
<b>Total</b>		<b>12</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SLMC 401	Practicum-Internship: PR	1
SLMC	SLMC Elective	3
MGMT 301	Principles of Mgmt. & OB	3
	Minor Elective	3
	Minor Elective	3
<b>Total</b>		<b>13</b>



**College of Engineering, Architecture and Computer Sciences**

Undergraduate Curriculum Guide for the Bachelor of Science Degree in Systems and Computer Science

**Freshman Year (29 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>
<u>Hrs</u>		
<b>ENGL 002</b>	Freshman English	3
<b>EGPP 101</b>	Introduction to Engineering	2
<b>SYCS 100</b>	Intro to SCS	2
	Science I Lec & Lab	4
	Non-Technical Elective	3
<b>Total</b>		<b>14</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>
<u>Hrs</u>		
<b>ENGL 003</b>	Freshman English	3
<b>MATH 156</b>	Calculus I	4
<b>SYCS 135</b>	Computer Science I	4
<b>COMC 101</b>	Principles of Speech	3
<b>SYCS 211</b>	Unix Lab	1
<b>Total</b>		<b>15</b>

**Sophomore Year (33 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>
<u>Hrs</u>		
<b>MATH 157</b>	Calculus II	4
<b>SYCS 201</b>	Computer Organization I	3
<b>SYCS 136</b>	Computer Science II	3
<b>MATH 181</b>	Discrete Structures	3
	Science II & Lab	4
<b>Total</b>		<b>17</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>
<u>Hrs</u>		
<b>SYCS 354</b>	Computer Science III	3
<b>SYCS 363</b>	Large Scale Programming (OOP)	3
<b>SYCS 202</b>	Computer Organization II	3
<b>MATH 180</b>	Linear Algebra	3
	Science III & Lab	4
<b>Total</b>		<b>16</b>

**Junior Year (30 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>
<u>Hrs</u>		
<b>SYCS 341</b>	Theory of Computation	3
<b>SYCS 470</b>	Fundamentals of Algorithms	3
<b>SYCS 375</b>	Software Engineering	3
<b>MATH 189</b>	Probability & Statistics I	3
	Technical Elective	3
<b>Total</b>		<b>15</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>
<u>Hrs</u>		
<b>SYCS 432</b>	Database Systems	3
<b>SYCS 376</b>	Operations Research	3
<b>ENGL 009</b>	Technical Writing	3
<b>SYCS 350</b>	Structures of Programming Lang.	3
	Technical Elective	3
<b>Total</b>		<b>15</b>

**Senior Year (28 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>
<u>Hrs</u>		
<b>SYCS 401</b>	Operating Systems	3
<b>SYCS 410</b>	Modeling and Simulation	3
<b>SYCS 491</b>	Senior Project I	2
	Technical Elective	3
	Non-Technical Elective	3
<b>Total</b>		<b>14</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>
<u>Hrs</u>		
<b>SYCS 472</b>	Systems Mgmt. Analysis	3
<b>SYCS 492</b>	Senior Project II	2
	Non-Technical Elective	3
	Non-Technical Elective	3
	Technical Elective	3
<b>Total</b>		<b>14</b>

Undergraduate Curriculum Guide for B.B.A. in Supply Chain Management

IMPORTANT: \*A grade of "C" or better must be earned in each of the two required math courses in order to fulfill the math requirement and in order to enroll in each and every school of business junior-level and senior-level course. Only 3 credit hours will be awarded for each required math course.

**Freshman Year (31 hours)**

<u>First Semester</u>			<u>Second Semester</u>		
<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>	<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>
<u>Hrs</u>			<u>Hrs</u>		
ENGW	Freshman Composition	3	ENGW	Freshman Composition	3
MATH 010	College Algebra II*		MATH 026	Applied Calculus*	4
4			PSYC050	Intro to Psychology	3
INFO 010	Business Problem Solving	2	MGMT 011	Business Orientation II	1
MGMT 010	Business Orientation	1	HHPL	Physical Education	1
HIST	History Elective	3		Foreign Language (Level 2+)	3
	Foreign Language	3		<b>Total</b>	<b>15</b>
	<b>Total</b>	<b>16</b>			

**Sophomore Year (29 hours)**

<u>First Semester</u>			<u>Second Semester</u>			<u>Total</u>
<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>	<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>	
<u>Hrs</u>			<u>Hrs</u>			
ACCT 201	Accounting Principles I	3	ACCT 202	Accounting Principles II	3	
ECON 001	Principles of Economics I	3	ECON 002	Principles of Economics II	3	
ECON 180	Statistics – Bus. & Economics	3	BCOM 320	Business Communication	3	
INFO 204	Management Info Systems	3		Afro-American Elective	3	
HHPL	Physical Education	1	ENGL	Literature Elective	3	
MGMT 001	Career Counseling			<b>Total</b>	<b>15</b>	<b>14</b>
1						

**Junior Year (30 hours)**

<u>First Semester</u>			<u>Second Semester</u>		
<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>	<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>
<u>Hrs</u>			<u>Hrs</u>		
INFO 311	Quantitative Bus. Analysis	3	INFO 335	Production & Operations Mgmt.	3
FINA 311	Finance Principles	3	SCHM 340	Procurement	3
MGMT 301	Management & Org. Behavior	3	BLAW 305	Business Law I	3
MKTG 301	Principles of Marketing	3	BECN 330	Managerial Economics	3
SCHM 211	Intro to Logistics	3		Science Elective	3
	<b>Total</b>	<b>15</b>		<b>Total</b>	<b>15</b>

**Senior Year (30 hours)**

<u>First Semester</u>			<u>Second Semester</u>		
<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>	<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>
<u>Hrs</u>			<u>Hrs</u>		
SCHM 396	Project Management	3	SCHM 390	Supply Chain Integration	3
SCHM	SCHM Elective	3	SCHM	SCHM Elective	3
SCHM	SCHM Elective	3	MGMT 351	Entrepreneurship	3
	Non-Business Elective	3	MGMT 390	Business Policy	3
PHIL	Philosophy Elective	3		Non-Business Elective	3
	<b>Total</b>	<b>15</b>		<b>Total</b>	<b>15</b>

**College of Arts & Sciences**

Undergraduate Curriculum Guide for the B.F.A. in Theatre Arts-Acting

**IMPORTANT:** \*\*Required for new entrants only, all others must satisfy this credit hour with an elective.

\*\*\*Course only offered in the Spring semester.

+ Students must check with advisor for honors course equivalents

**Freshman Year (34 hours)**

<u>First Semester</u>			<u>Second Semester</u>		
<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>	<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
THAC 021	Acting Tech. I	3	THAC 022	Acting Tech. II	3
THAC 014	Voice for the Stage	3	THAC 015	Diction for the Stage	3
THAC 025	Movement	2	THAC 054	Fund. Of Dance II	2
THFD 080	Play Analysis	3	THTT 058	Tech. Production I	3
THDN 053	Fund. Of Dance I	2	ENGL 003	Freshman English	3
ENGL 002	Freshman English	3	THFD 081	Play Reading	3
FRSM 001	Freshman Seminar**	1			
<b>Total</b>			<b>Total</b>		
		<b>17</b>			<b>17</b>

**Sophomore Year (33 hours)**

<u>First Semester</u>			<u>Second Semester</u>		
<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>	<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
THAC 023	Acting Char/Scene Study I	3	THAC 024	Acting Char/Scene Study II	3
THFD 180	Theatre History I (WAC)	3	THFD 181	Theatre History II	3
PSYC 050	Intro to Psychology	3	THTT 059	Tech. Production II	3
or SOCI 030	Intro to Social Psychology		THTT 053	Costume for Theatre	3
THTT 057	Stage Make-Up	3	or THTT 052	Basic Stagecraft***	
THTT 156	Stage Management	3	or THTT 051	Basic Stage Lighting	
MATH 006	College Algebra	3	THAC 030	Beginning Directing	3
			[THFD 186	Honors Directed Studies (1)	3]+
<b>Total</b>			<b>Total</b>		
		<b>18</b>			<b>15</b>

**Second Semester**

**Junior Year (29 hours)**

<u>First Semester</u>			<u>Second Semester</u>		
<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>	<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
THAC 120	Acting Char/Scene Study III	4	THAC 121	Acting Char/Scene Study IV	4
ARTH 161	Art Appreciation	3	THAC 017	Speech for the Micro	3
ENGL 104	Humanities I	3	ENGL 015	Humanities II	3
THTT 051/052	Basic Stage Lighting/Stagecraft/			Shakespeare/Actors	3
053	Costume for Theatre	3		Elective	3
<b>Total</b>			<b>Total</b>		
		<b>13</b>			<b>16</b>

**Senior Year (27 hours)**

<u>First Semester</u>			<u>Second Semester</u>		
<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>	<u>Course #</u>	<u>Course Name</u>	<u>Credit Hrs</u>
THAC 122	Acting Styles I	3	MUTP 100	Rehearsal & Performance/Lab 6	3
THAC 211	Acting for Film/TV I	3		Blacks in the Arts	3
PHIL 055	Intro to Philosophy	3		Elective	3
	Elective	3			
<b>Total</b>			<b>Total</b>		
		<b>15</b>			<b>12</b>

**Second Semester**

**College of Arts & Sciences**

Undergraduate Curriculum Guide for the B.F.A. in Theatre Arts – Dance Arts

**IMPORTANT:** \*Recommended Course – ENGL 009 Technical Writing Pre-Professional

\*\*See approved list of Division A courses

**Freshman Year (31 hours)**

<b><u>First Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>
<b><u>Hrs</u></b>		
THDN 049	Maj/Mn Dance Orient. I	2
FRSM 001	Freshman Seminar	1
THAC 014	Voice for the Stage	3
ENGL 002	Freshman English	3
MATH 006	College Algebra I	3
	Foreign Language I	3
<b>Total</b>		<b>15</b>

<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>
<b><u>Hrs</u></b>		
THDN 090	Maj/Mn Dance Orient. II	2
ENGL 003	Freshman English	3
ARTH 161	Art Appreciation	3
THTT 051	Basic Stage Lighting	3
THDN 200	Dance/Theatre Practicum	2
	Foreign Language II	3
<b>Total</b>		<b>16</b>

**Sophomore Year (31 hours)**

<b><u>First Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>
<b><u>Hrs</u></b>		
THDN 007	Ballet I	2
THDN 001	Modern I	2
ENGL 009	English Writing Course *	3
THTT 053	Costume for Theatre	3
THMT 041	Intro to Theory for Mus. Theat.	3
	Humanities Elective	3
<b>Total</b>		<b>16</b>

<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>
<b><u>Hrs</u></b>		
THDN 008	Ballet II	2
THDN 002	Modern II	2
THAT 156	Stage Management	3
THDN 015	African Dance I	2
NUTR	Nutrition	3
	Humanities Elective**	3
<b>Total</b>		<b>15</b>

**Junior Year (33 hours)**

<b><u>First Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>
<b><u>Hrs</u></b>		
THDN 009	Ballet III	2
THDN 003	Modern III	2
THMT 065	Tap I	2
THDN 016	African Dance II	2
THDN 039	Artist & Dance Exp. I	2
THMT 067	Jazz Dance I	2
THDN 029	Dance History I (WAC)	3
THDN 021	Dance Composition I	2
<b>Total</b>		<b>17</b>

<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>
<b><u>Hrs</u></b>		
THDN 004	Modern IV	2
THDN 022	Dance Composition II	2
THDN 046	African Perf. Workshop	2
THDN 030	Dance History II	3
THDN 040	Artist & Dance Exp. II	2
PSYC 050	Intro to Psych.	3
or SOCI 020	Intro to Social Psych.	
THDN 072	Dance Major Movement Tech.	2
<b>Total</b>		<b>16</b>

**Senior Year (25 hours)**

<b><u>First Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>
<b><u>Hrs</u></b>		
THDN 036	Dance Senior Sem. I	3
THTA 191	Fundraising for the Arts	3
THDN 031	Anatomy/Kinesiology	3
	Electives	4
<b>Total</b>		<b>13</b>

<b><u>Second Semester</u></b>		
<b><u>Course #</u></b>	<b><u>Course Name</u></b>	<b><u>Credit</u></b>
<b><u>Hrs</u></b>		
THDN 037	Methods of Teaching Dance	3
THDN 036	Dance Senior Seminar II	3
	Electives	6
<b>Total</b>		<b>12</b>

**College of Arts & Sciences**

Undergraduate Curriculum Guide for B.F.A in Theatre Arts – Theatre Arts Administration

**Freshman Year (31 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>
<b>Hrs</b>		
<b>THAT 090</b>	Intro to Theatre Mgmt I	3
<b>THTT 058</b>	Tech Prod I	3
<b>ECON 001</b>	Principles of Economics I	3
<b>ENGL 002</b>	Freshman English	3
<b>FRSM 001</b>	Fresh. Seminar**	1
<b>THFD 080</b>	Play Analysis	3
<b>Total</b>		<b>16</b>

<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>
<b>Hrs</b>		
<b>THTA 091</b>	Intro to Theatre Manage. II	3
<b>ENGL 003</b>	Freshman English	3
<b>THTT 059</b>	Tech. Prod. II	3
<b>THTT 052</b>	Basic Stagecraft***	
<b>or THTT 051</b>	Basic Stage Lighting	
<b>or THTT 053</b>	Costume for Theatre	3
<b>ECON 002</b>	Principles of Econ. II	3
<b>Total</b>		<b>15</b>

**Sophomore Year (31 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>
<b>Hrs</b>		
<b>THAC 020</b>	Acting: Non-Majors	3
<b>THTA 001</b>	Theatre Arts Admin. Lab I	1
<b>ACCT 201</b>	Principles of Acct. I	3
<b>THDN 300</b>	Dance for Non-Majors	2
<b>ECON 180</b>	Statistics I	3
	Humanities Course	3
<b>Total</b>		<b>15</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>
<b>Hrs</b>		
<b>THTA 156</b>	Stage Management	3
<b>THTA 002</b>	Theatre Arts Admin Lab II	1
<b>THPD 030</b>	Begin. Directing I	3
<b>ENGL 009</b>	Tech. Writing I: Pre-Prof.	3
<b>HUCO 101</b>	Principles of Speech	3
<b>THTT 052</b>	Basic Stagecraft***	
<b>or THTT051/053</b>	Basic Stage Lighting/Costume	
<b>Total</b>		<b>16</b>

**Junior Year (32 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>
<b>Hrs</b>		
<b>THFD 180</b>	Theatre History I	3
<b>THTA 003</b>	Theatre Arts Admin Lab III 1	
<b>MKTG 311</b>	Principles of Marketing	3
<b>MGMT 301</b>	Mgmt & Org. Beh.	3
<b>THTA 094</b>	Production Mgmt.	3
<b>THTT 051</b>	Basic Stage Lighting	
<b>or THTT 053</b>	Costume for Theatre	
<b>THTT 052</b>	Design I	3
<b>Total</b>		<b>16</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>
<b>Hrs</b>		
<b>THFD 181</b>	Theatre History II	3
<b>THTA 004</b>	Theatre Arts Admin Lab IV	1
	Elective+	3
<b>ARTH 161</b>	Art Appreciation	3
<b>RTVF 231</b>	Intro to Media Prod.	3
<b>PSYC 050</b>	Intro to Psych.	
<b>or SOCI 020</b>	Intro to Social Psych.	3
<b>Total</b>		<b>16</b>

**Senior Year (26 hours)**

**First Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>
<b>Hrs</b>		
<b>THFD 190</b>	Sem. In Theatre Admin.	3
<b>THTA 191</b>	Fundraising for the Arts	3
<b>MUSI 232</b>	Intro to Enter. Law	3
<b>THTA 005</b>	Theatre Arts Admin Lab V	2
	Restricted Elect.*/Hnr. Course+	3
<b>Total</b>		<b>14</b>

**Second Semester**

<u>Course #</u>	<u>Course Name</u>	<u>Credit</u>
<b>Hrs</b>		
<b>MUTP 100</b>	Blacks in the Arts	3
<b>THTA 209</b>	Drama Internship	3
	Elective/Hnrs. Course****	3
<b>THTA 089</b>	Critical Writing and Aesthetics	
<b>or PSYC 050</b>	Intro to Psychology	3
<b>Total</b>		<b>12</b>

\*\*REQUIRED FOR NEW ENTRANTS ONLY, HOWEVER, ALL OTHERS MUST SATISFY THIS CREDIT HOUR REQUIREMENT WITH AN ELECTIVE.

\*\*\*Course offered in the SPRING SEMESTER ONLY.

^ALL THEATRE ARTS ADMINISTRATION MAJORS ARE REQUIRED TO SERVE AS AN ASSISTANT STAGE MANAGER and/or A STAGE MANAGER AT LEAST ONCE PRIOR TO GRADUATION.

NOTE: Many of the courses listed have laboratory hours. Laboratory hours allow for practical application of the theoretical approach addressed in both classroom exercise and lectures. Lab hours vary depending on the expectations and/or demands of the class/production. All students should anticipate committing additional time outside of classroom instruction for Lab work.

***+Honors Students are required to take THFD-186 – Directed Study AND ++THFD-187 Honors Thesis  
\*RESTRICTED ELECTIVES: HUCO-410 Conflict Mgmt & Negotiation Strategy; JOUR-206 Intro. To Advertising; THFD-081 Play Reading; THTA-206 Entrepreneurship in the Entertainment Industry; MKTG-360 Computer Applications in Marketing; MKTG-370 Services Marketing.***

\*\*\*\*JUNIOR OR SENIOR LEVEL STUDENT ONLY OR WITH CONSENT OF COURSE INSTRUCTOR.

NOTE: STUDENTS ARE RESPONSIBLE FOR THE TOTAL NUMBER OF HOURS FOR GRADUATION. IF A COURSE IS NOT OFFERED, THE STUDENT MUST MAKE-UP THE HOURS IN COURSES APPROVED BY THE COORDINATOR. STUDENTS MUST FOLLOW THE CURRICULUM SCHEME AS PRINTED OR THEY MAY JEOPARDIZE THEIR GRADUATING WITHIN A 4-YEAR TIME PERIOD.

**College of Arts & Sciences**

Undergraduate Curriculum Guide for the B.F.A. in Theatre Arts – Theatre Technology

**Freshman Year (31 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
<b>THTT 058</b>	Tech. Prod I	3
<b>THDN 300</b>	Dance for Non-Majors	2
<b>THFD 080</b>	Play Analysis	3
<b>FRSM 001</b>	Freshman Seminar**	1
<b>ENGL 002</b>	Freshman English	3
<b>MATH 006</b>	College Algebra I	3
<b>Total</b>		<b>16</b>

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
<b>THTT 052</b>	Basic Stagecraft	
<b>or THTT 051</b>	Basic Stage Lighting	
<b>or THTT 053</b>	Costume for Theatre	3
<b>THTT 059</b>	Tech. Prod. II	3
<b>THFD 081</b>	Play Reading	3
<b>ENGL 003</b>	Freshman English	3
<b>MUTP 100</b>	Blacks in the Arts	3
<b>Total</b>		<b>15</b>

**Sophomore Year (31 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
<b>THTT 001</b>	Theatre Practicum I*	1
<b>THTT 051</b>	Basic Stage Lighting	
<b>or THTT 053</b>	Costume for Theatre	3
<b>THFD 180</b>	Theatre History I (WAC)	3
<b>THAC 020</b>	Intro to Acting: Non-Majors	3
<b>ARTH 161</b>	Art Appreciation	3
	Foreign Language I	3
<b>Total</b>		<b>16</b>

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
<b>THTT 002</b>	Theatre Practicum II*	3
<b>THTT 051</b>	Basic Stage Lighting^	
<b>or THTT 052</b>	Basic Stagecraft^	
<b>THTT 053</b>	Costume for Theatre	3
<b>THTT 057</b>	Stage Make-Up/Lab	3
<b>THFD 181</b>	Theatre History II	3
<b>THAC 030</b>	Beginning Directing	3
	Foreign Language II	3
<b>Total</b>		<b>16</b>

**Junior Year (32 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
<b>THTT 003</b>	Theatre Practicum III*	1
<b>THTT 154</b>	Design I	3
<b>THFD 040</b>	Playwriting I	3
<b>THTA 156</b>	Stage Management	3
<b>THTA 094</b>	Production Mgmt.	3
<b>THTT 051</b>	Humanities Elective***	3
<b>Total</b>		<b>16</b>

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
<b>THTT 004</b>	Theatre Practicum IV*	1
<b>THTT 155</b>	Design II	3
	Humanities Elective	3
<b>PSYC 050</b>	Intro to Psych.	
<b>or SOCI 020</b>	Intro to Social Psych.	3
	Natural Science Elective	3
	Elective ***	3
<b>Total</b>		<b>16</b>

**Senior Year (26 hours)**

**First Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
<b>THTT 005</b>	Theatre Practicum V*	2
<b>THTA 094</b>	Production Management	3
<b>PHIL XXX+</b>	Philosophy Elective	3
<b>RTVF 231</b>	Intro to Media Prod.	3
<b>THTT 150</b>	Sound for the Theatre (Spring)	
<b>or THTT 151</b>	Inter. Stage Lighting (Spring)	
<b>or THTT 152</b>	Inter. Stagecraft (Fall)	
<b>or THTT 153</b>	Inter. Costuming (Fall)	3
<b>Total</b>		<b>14</b>

**Second Semester**

<b>Course #</b>	<b>Course Name</b>	<b>Credit Hrs</b>
<b>THTT 159</b>	Seminar in Tech. Theatre	3
<b>THTT 209~</b>	Drama Internship: Technical Theatre	3
	Electives***	6
<b>Total</b>		<b>12</b>

\*One Theatre Practicum class must be taken EVERY semester the student is enrolled (except the semesters that the classes in Technical Production and Drama Internship are being taken).

\*\*REQUIRED FOR NEW ENTRANTS ONLY, HOWEVER, ALL OTHERS MUST SATISFY THIS CREDIT HOUR REQUIREMENT WITH AN ELECTIVE.

^All three courses: BASIC STAGE LIGHTING, COSTUME FOR THE STAGE, and BASIC STAGECRAFT are required, but they can be taken in any order.

**NOTE:** Students are responsible for the total number of hours. Theatre Technology students are required to present their portfolios for faculty review EACH semester.

\*\*\*Those students participating in the Honors program must take THFD-186 (1 credit) Honors Directed Studies in their Junior year and THFD-187 (3 credits) Honors Thesis in their Senior year.

~It is recommended that the course: Drama Internship in Technical Theatre be taken during the summer prior to the Junior or Senior year.

SUGGESTED ELECTIVES: An additional College Algebra course, Drawing I, Intro to Photography, Interior Design, Fashion Design, Computers in the Arts, Fundraising for the Arts, an additional Social Science, additional Foreign Language, and an Interdisciplinary Course.



## SECTION III—UNDERGRADUATE COURSE DIRECTORY

NOTE: Departmental course codes appear in brackets

### Academic Support [ACAD]

#### Arts & Sciences

African Studies

Afro-American Studies [AFRO]

Anthropology [ANTH]

Art

*Art History* [ARTH]

*Interdisciplinary* [ARID]

*Art Management* [ARTM]

*Ceramics* [ARTC]

*Foundation Design* [ARTF]

*Design* [ARTD]

*Drawing* [ARTR]

*Electronic Studio Art* [ATRE]

*Experimental Studio Art* [ARTX]

*Fashion* [FASH]

*Interior Design* [INTD]

*Painting* [ARTA]

*Photography* [ARTP]

*Printmaking* [ARTP]

*Sculpture* [ARTS]

Biology [BIOL]

Chemistry [CHEM]

Classics [CLAS]

Comprehensive Sciences [COMP]

Economics [ECON]

English [ENGL]

Health, Human Perform. & Leisure Studies

[HHPL]

History [HIST]

Honors [HNRS]

Humanities [HUMN]

Mathematics [MATH]

Military Science

*Aerospace* [AERO]

*Army* [MILI]

Music

*Fundamentals* [MUSB]

*Literature* [MUSC]

*Instrumental* [MUSD]

*Piano* [MUSE]

*Organ* [MUSF]

*Voice* [MUSG]

*Jazz* [MUSH]

*Music Therapy* [MUSJ]

*Entertainment Law* [MUSI]

*Jazz History* [MUSI]

*Instrument Repair* [MUSK]

*Piano Technology* [MUSL]

*Violin* [MUSL]

*Viola* [MUTQ]

*Violoncello* [MUSM]

*String Bass* [MUSN]

*Guitar* [MUSO]

*Harp* [MUTR]

*Flute* [MUSP]

*Oboe* [MUTU]

*Clarinet* [MUTS]

*Bassoon* [MUTT]

*Saxophone* [MUSQ]

*Trumpet* [MUSS]

*French Horn* [MUST]

*Trombone* [MUSU]

*Tuba* [MUSV]

*Percussion Major* [MUSW]

*Percussion Ensemble* [MUSX]

*Accompanying for Ensemble* [MUSX]

*Piano Trio* [MUSZ]

*Chamber Ensemble* [MUSZ]

*String Ensemble* [MUTB]

*Woodwind Ensemble* [MUTC]

*Saxophone Ensemble* [MUTD]

*Brass Ensemble* [MUTE]

*Guitar Ensemble* [MUTF]

*Marching Band* [MUTH]

*Concert Band* [MUTH]

*Orchestra* [MUTJ]

*University Choir* [MUTL]

*University Chorale* [MUTM]

*University Collegium* [MUTN]

*Student Recital* [MUTO]

*Fine Arts Guitar* [MUTP]

*Blacks in the Arts* [MUTP]

Philosophy [PHIL]

Physics [PHYS]

Political Science [POLS]

Psychology [PSYC]

Sociology [SOCL]

Theatre Arts

*Acting* [THAC]

*Dance Arts* [THDN]

*Theatre Education* [THEA]

*Theatre Foundation* [THFD]

*Musical Theatre* [THMT]

*Pre-directing* [THPD]

*Theatre Arts Administration* [THTA]

*Theatre Technology* [THTT]

World Languages

*Arabic* [ARAB]

*Chinese* [CHIN]

*French* [FREN]

*German* [GERM]

*Haitian Creole* [HACR]

*Japanese* [JAPN]

*Korean* [KORE]  
*Portuguese* [PORT]  
*Russian* [RUSS]  
*Spanish* [SPAN]  
*Swahili* [SWAH]  
*Wolof* [WOLO]

## **Nursing and Allied Health Sciences**

**p.385**

Allied Health Education [AHCC]  
Clinical Laboratory Sciences [CLLS]  
Health Management [HLMN]  
Nursing [NURS]  
Nutritional Sciences [NUTR]  
Physician Assistant [PHAS]  
Radiation Therapy [RASC]

## **UNDERGRADUATE COURSE DIRECTORY (continued)**

### **Business p. 335**

Accounting [ACCT]  
Finance [FINA]  
Insurance [INSU]  
International Business [INBU]  
Computer Based Information Systems  
[INFO]  
Management [MGMT]  
Marketing [MKTG]  
Business Law [BLAW]  
Hospitality Management [HOSP]

### **Communications p.345**

Media, Journalism & Film [MJFC]  
Strategic, Legal & Management  
Communication [SLMC]  
Communication Sciences & Disorders  
[COSD]  
*Pre-2013 Communications Courses*  
[HUCO]  
[JOUR]  
[RFTV]

### **Education**

Elementary Education [EDUC] & [ELEM]  
Human Development [ HUDV]& [SEED]

### **Engineering, Architecture & Computer Sciences**

**p.365**

Architecture [ARCH]  
Chemical Engineering [CHEG]  
Civil Engineering [CIEG]  
Electrical Engineering [EECE]  
Mechanical Engineering [MEEG]  
Systems & Computer Science [SYCS]

## SECTION II:

### AFRICAN STUDIES

**AFST 013. Freedom Struggles: Southern Africa. 3 crs.** An examination of the history, dynamics and contemporary relevance of liberation struggles and their aftermath in Southern Africa as a whole.

**AFST 101. Introduction to Contemporary Africa. 3 crs.** A general introduction to contemporary Africa, its people, and their relations with people in other parts of the world. The course includes a survey of important political, economic and social issues shaping the African continent.

**AFST 102. Science, Technology, and African Development. 3 crs.** A general survey course designed to examine Africans contributions to science and technology and contemporary needs in science and technology for development.

**AFST 104. Islam, Youth and Social Change in Africa. 3 crs.** An examination of various models of social transformation as enacted primarily by Muslim youth throughout Africa and the Diaspora.

**AFST 105. African Languages and Cultures. 3 crs.** A survey of African languages and their classification. Characteristics of the language families of Africa will be described and the relation of language to conceptual systems and logic will be analyzed. Prerequisite: AFST 001, or consent of the instructor.

**AFST 106. Foundation to African Studies. 3 crs.** A general introduction to the scope, basic concepts, and methods of African Studies and a survey of the history, major themes, and current trends of the field. Prerequisite: AFST 101 or equivalent.

**AFST 107. Social Media and the African World. 3 crs.** An examination of the connections between the youth, education, revolutions in technology and transformations in politics and society at the individual, national and global levels.

**AFST 110. African Development and Underdevelopment. 3 crs.** An interdisciplinary approach to the study of African development problems, based on an integration of economic, historical, socio-cultural, political and philosophical perspectives. Prereq. AFST 101

**AFST 111. African Systems of Thought. 3 crs.** An introduction to the nature, and variety of African religious, political, social and cultural systems of thought, with emphasis on the connections among them, their impact on African definitions, problems, and their interactions with emerging formations such as African feminism. Prerequisite: AFST 101 or equivalent.

**AFST 121. Environment and Society in Africa. 3 crs.** A general survey of Africa's conditions and their effects on societal efforts to overcome poverty. Prerequisite: AFST 101 or equivalent.

**AFST 123. Women in African Civilizations and Traditions. 3 crs.** An exploration of the different dimensions of the historical and contemporary roles of women in African societies.

**AFST 124. Globalization in Africa. 3 crs.** An examination of the nature and evolution of globalization in Africa, including studies of interdependencies, new regionalism, and climate change.

**AFST 125. China and Africa. 3 crs.** A study of historical and contemporary relationships and ties between China and Africa.

**AFST 126. AIDS in Africa and the African Diaspora. 3 crs.** An examination of AIDS in Africa and the African Diaspora, with a focus on the impact of race, gender, class and sexuality on the distributional spread of the disease and societal and global responses to the disease.

**AFST 131. African Cultural Formation and Identities. 3 crs.** A comparative examination of emerging and changing patterns of culture and definitions of identity in urban Africa and in selected communities outside Africa. Prerequisite: AFST 101 or equivalent.

**AFST 156. Introduction to African Literature. 3 crs.** A general introduction to the oral and written literatures of Africa, with emphasis on their formal and aesthetic properties and their sociopolitical and cultural significance for contemporary African societies. Prerequisite: AFST 101.

**AFST 157. Literature, Film and Society in Africa. 3 crs.** An examination of the modes and dynamics of interaction between literature, oral and written, and film, and the social, political, and cultural significance of these media of creative and intellectual expression in contemporary African societies. Prerequisite: AFST 101; AFST 156.

**AFST 182. Seminar in Regional Studies. 3 crs.** A research seminar on specific socioeconomic and political issues of a selected African region, designed to introduce students to the methodology of regional studies and to increase their familiarity with a given region of the continent. Prerequisite: AFST 101, or equivalent.

**AFST 183. Internship in African Studies. 3 crs.** This course offers students an opportunity to apply their knowledge of Africa by serving one semester internships with public or private organizations conducting African related work. Prerequisite: AFST 101.

**AFST 184. Directed Research. 3 crs.**

**AFST 191. Senior Colloquium. 3 crs.** A seminar on selected themes and topics in African Studies designed to highlight the interdisciplinary focus of the field and to prepare students for the senior comprehensive examination. Prerequisite: AFST 101, AFST 102, or senior status.

**AFST 195. Internship in African Studies. 3 crs.** This course offers students the opportunity to apply their knowledge of Africa by serving one semester internships with public or private organizations conducting African related work. Prerequisite: AFST 101.

## **AFRO AMERICAN STUDIES**

**AFRO 005. Introduction to Afro American Studies I. 3 crs.** This course is a survey of selected major factors which helped create the Afro-American experience: the cultures of pre-colonial Africa, the slave experience in the Americas, life in post-rural and urban North America, etc. (This course satisfies the university-wide African-American Cluster requirement and Divisional Studies A requirement for non-majors and minors.)

**AFRO 006. Introduction to Afro-American Studies II. 3 crs.** This course is a critical consideration of the institutions and forces shaping black culture. Sociological, economic, and political factors are examined, including the roles of family, church, education and political involvement. (This course satisfies the university-wide African-American Cluster requirement and Divisional Studies A requirement for non-majors and minors.)

**AFRO 101. Exploitation of the Third World. 3 crs.** Critical attention is given to the economies of colonialism, neo-colonialism, imperialism, socialism, and Third World nationalism as they have influenced the AFRO American experience. Prerequisite: Sophomore standing.

**AFRO 103. Programs for Black Economic Development. 3 crs.** This course is a historical analysis of the economic strategies and philosophies of Afro-American individuals and organizations from the early 19th century to the present. Attention is focused on the relationship between changes in the economic and occupational status of blacks and black political movements. Prerequisite: Sophomore standing.

**AFRO 115. Seminar on Teaching Black Studies. 3 crs.** This is a course designed to answer such questions as: What is black studies? Why black studies? What shall we teach? Prerequisite: Sophomore standing.

**AFRO 121. Special Topics in Black Studies. 3 crs.** This course is an in-depth study of selected issues in the African and African American experience. Emphasis is placed on the dominant and contemporary political, economic and socio-cultural dimensions of this experience. Prerequisite: Sophomore standing.

**AFRO 122. Education in Black America. 3 crs.** This course is a critical review and analysis of the historical and contemporary educational philosophies expressed by educators who are directly or indirectly involved in the processes of Afro-American education.

**AFRO 131. Black Philosophy, Religion and Ritual. 3 crs.** This course examines the ways blacks in Africa and the Americas conceptualize and explain their world through philosophy and religion. Various cultural and religious belief systems are examined, including traditional African religion and U.S. urban religions, voodoo, etc. Prerequisite: Sophomore standing. (This course satisfies the Divisional Studies C requirement.)

**AFRO 132. Politics of Black Autobiography. 3 crs.** This course is an examination of black autobiography from William Wells Brown to Colin Powell with emphasis on the ideological purposes served by this literature. Attention is given to the political influence of each writer in developing black philosophical frameworks in specific historical eras. Prerequisite: Junior standing.

**AFRO 133. Nineteenth Century Black Social and Political Thought. 3 crs.** This course examines the relationship between social and political thought, black institutions and ideologies within the context of the struggle against slavery, segregation, racial discrimination, and economic control between 1787 and 1895. Prerequisite: Sophomore standing. (This course satisfies the Divisional Studies C requirement.)

**AFRO 134. Twentieth Century Black Social and Political Thought. 3 crs.** This course is an analysis of the social and political thought of black intellectual spokespersons as manifested in the critical stages of black reactions to problems of social justice from 1895 to the present. Prerequisite: Sophomore standing.

**AFRO 159. Senior Seminar. 3 crs.** This course is for majors in Afro American Studies only. Key theories, approaches, and empirical studies in the Afro-American Studies discipline are reviewed in preparation for the departmental comprehensive examination. A research paper is required of all students. All departmental faculty participate in the course.

**AFRO 163. Black Experience in the Caribbean. 3 crs.** This course is a detailed historical analysis of the African experience in the Caribbean Basin from the 16th century to the present. Political, sociological, economic and cultural issues in the Caribbean are explored. Prerequisite: Junior standing.

**AFRO 165. Black Women in America. 3 crs.** Analysis of the historical involvement of black women in American institutions: education, religion, politics and social reconstruction. Charts linkages of black women in Africa and the Caribbean and North America.

**AFRO 170. Directed Research. 3 crs.** This course is open to Afro-American Studies majors only. Individual research projects are conducted on the Afro-American experience, under the supervision of a departmental faculty member. Prerequisites: Junior standing and advance faculty approval are required.

**AFRO 775. Preparation for Practicum. 3 crs.** This course examines research methods with emphasis on the steps required to design a scientific study including archival and survey data collection techniques, e.g., document analysis, participant observation, survey design and field interview techniques. Prerequisite: Junior standing, majors only.

**AFRO 176. Practicum-Fieldwork. 6 crs.** Required of all majors, this component of the field work program affords students opportunities to merge theory with practical aspects of their chosen areas of concentration by interning for one semester with selected organizations outside of the University. Prerequisites: AFRO 175 or AFRO 775, senior standing, majors only.

**AFRO 191. Comparative Slavery: An Introduction. 3 crs.** Survey of various systems of bondage in Europe proper, the Near East, Africa and the Americas. Emphasis is placed on the economic, social and cultural factors, which contributed to the rise and decline of slavery throughout the world.

**AFRO 192. The Harlem Renaissance. 3 crs.** This course reviews the Harlem Renaissance Movement from 1910 to 1945, the first era in Afro-American literary and social history in which black writers emerged as distinct political voices in the arts. Prerequisite: Sophomore standing.

**AFRO 193. Literature and Politics of the Caribbean. 3 crs.** This course is a sociological examination of the ideologies, themes and concerns expressed by Caribbean writers, with particular reference to the socio-political context in which their literature was produced. Prerequisite: Sophomore standing.

**AFRO 195. Comparative Black Literature I. 3 crs.** This course is a survey of the creative literature of black writers in the U.S., the Caribbean, and Africa, with critical attention given to the social and cultural environments from which they emerged. Prerequisite: Sophomore standing.

**AFRO 196. Comparative Black Literature II. 3 crs.** This course examines the relationship between the creative literature of black authors in the U.S., the Caribbean, and Africa and their socio-political life as reflected in drama, novels, poetry, essays. Prerequisite: Sophomore standing.

**AFRO 197. Black Thought in the Diaspora. 3 crs.** This course is an examination of the cultural, historical, and political origins of Pan-Africanism and other black systems of thought. Topics for analysis include ideologies of early black political and social organizations. Prerequisite: Junior standing.

**AFRO 198. Contemporary Black Poetry. 3 crs.** This is a survey of Black American poetry from the mid-1960s to the present. Attention is given to the folk and cultural basis of poetry with special emphasis on the place of poetry in the Black Arts Movement of the 1960s and early 1970s. Prerequisite: Sophomore standing.

**AFRO 199. Black Aesthetics. 3 crs.** This course examines the artistic ideas and values found in Africa and traces their reappearance and transformation in the religions and philosophies of African-American cultural life. The aesthetics of the plastic, visual and performance arts are explored. Prerequisite: Junior standing.

## **ANTHROPOLOGY**

**ANTH 110. Introduction to Cultural Anthropology. 3 crs.** Provides a background for understanding human nature and an appreciation for cultural diversity. Focuses on the basic concepts of culture and surveys the science and practice of anthropology in relation to contemporary global issues.

**ANTH 120. Introduction to Biological Anthropology. 3 crs.** Focuses on the nature and scope of biological anthropology, human evolution, genetics, "race", health, and changing relationships between the environment, culture, and human biology.

**ANTH 130. Introduction to Archaeology. 3 crs.** Survey course designed to provide an evolutionary perspective on contemporary global cultural patterns showing how transformations, though occurring in the deep past, constitute profound forces in modern global society and in everyday life.

**ANTH 140. Introduction to Linguistics. 3 crs.** Explores the nature of language, its morphological, phonological, and syntactic structure, and the role of the linguist in the study of language.

**ANTH 141. Language and Culture. 3 crs.** Focuses on the ethnographic study of language and the interrelationship between language and culture. Language variation is examined in the light of such features as social class, ethnicity, gender, standard and non-standard language, pidgins, and creoles.

**Theory. 6 crs.** (To be taken in sequence as presented below). Prerequisite: Introduction to Cultural Anthropology, Archaeology, Linguistics, or by permission of instructor.

**ANTH 214. Anthropological Theory. 3 crs.** Surveys anthropological theories from a historical perspective. Considers current theoretical issues, debates, and the relationship between theory and practice.

**ANTH 220. Biology and Culture. 3 crs.** The course involves a critical evaluation of historical and current anthropological theories concerning human variation and the concept of race. It examines the various approaches to the relationships between human biology and sociocultural structures and behavior.

**Field Methods. 3 crs.** Exploration of the methodology in conducting competent, meaningful, ethical field work with emphasis on practical experience. (The student has a choice of section or field of interest as presented below).

**ANTH 222. Ethnography**

**ANTH 221. Human Osteology**

**ANTH 219. Ethnolinguistics**

**ANTH 230. Method and Theory in Archaeology**

**ANTH 249. Urban Anthropology. 3 crs.** This course explores urbanism and the process of urbanization. The focus is on understanding the development and history of cities from prehistoric evidence to an investigation of the patterns and complexities of contemporary urban life. Various theoretical approaches and cross-cultural ethnographic studies help explain the lifeways of people in cities.

**ANTH 250. Applied Anthropology. 3 crs.** The application of anthropological principles to the solution of practical problems. Prerequisite: Introduction to Cultural Anthropology, Introduction to Biological Anthropology, or Introduction to Archaeology or by permission of instructor.

**ANTH 210. Magic, Witchcraft, and Healing. 3 crs.** Analyzes the relationships of magic, witchcraft, religion, and healing and their significance in understanding our own cultures as well as Third World societies and other parts of the world.

**ANTH 211. Gender Roles and Relations. 3 crs.** Examination of cross-cultural gender roles. Also examines U.S. public policies and laws affecting women, men, and children.

**ANTH 212. Education and Culture. 3 crs.** Application of anthropological concepts to the analysis of educational processes in different cultures and in the U.S.

**ANTH 213. Cultural Roots of Environmental Crises. 3 crs.** Explores cultural dimensions of global environmental degradation to identify root causes and viable solutions. Comparison of tribal environmental perceptions and production and consumption patterns with our own; evaluates the roles of population and technology, world hunger and quality of life issues.

**ANTH 215. Medical Anthropology. 3 crs.** Considers the patterns of health and disease from a multidisciplinary perspective. The focus is on the diversity of health beliefs and practices, variation in health care systems, contemporary global health concerns and ethical issues. Prerequisite: Introduction to Biological Anthropology, or Introduction to Cultural Anthropology, or permission of instructor.

**ANTH 216. Economic Anthropology. 3 crs.** Comparison of modern economic theory with anthropological analysis of pre-capitalist, non-Western and Third World political economies. Discusses band, tribe, chiefdom, early state, peasant, market, and world economic systems and how these systems interact with social and religious systems at national and/or community levels.

**ANTH 217. Aging in Cross-Cultural Perspective. 3 crs.** An examination of the ways different cultures regard the aged and the process of aging. Topics include attitudes toward aging, the treatment of the aged, and the social, economic, and political aspects of growing old among men and women in different cultures.

**ANTH 218. Cultural Ecology. 3 crs.** Reviews the processes of human biocultural adaptation to the world's various biotopes: tropical, sub-tropical, temperate, island and arctic by means of foraging, agriculture, regional and world trade. Discussions will include environmental description and selective reciprocal relationships between key environmental elements.

**ANTH 219. Ethnolinguistics. 3 crs.** Students will conduct ethnography of communication focusing on selected topics or events as they relate to speech communities applying participant-observation techniques, interviews, and other methods of field work.

**ANTH 221. Human Osteology. 3 crs.** Detailed study of the techniques used in the analysis of skeletal material focusing on identification of age, sex, growth, and repair, pathology, and measurement.

**ANTH 222. Ethnography. 3 crs.** Exploration of the techniques used in recording or describing the culture, customs, beliefs, and values of specific peoples or of individual societies.

**ANTH 230. Method and Theory in Archaeology. 3 crs.** This course reviews the history, goals, and theoretical approaches used in modern archaeology; discusses field methods in survey and excavation, data recording, dating, material analyses, and the reconstruction of ancient lifeways.

**ANTH 260. Independent Study. 3 crs.** (Formerly Readings) Maximum of 6 credits. Pre-approved in-depth study of a specific topic in field of interest. Student needs approval of instructor in order to register.

**Section 1: Cultural Anthropology**

**Section 2: Biological Anthropology**

**Section 3: Archaeology**

**Section 4: Linguistics**

## **ART HISTORY**

**ARTH 161. Art Appreciation. 3 crs.** Introduction to the elements and dimensions of art and the philosophical, political, and psychological evolution of various cultures.

**ARTH 162. Introduction to African Art History. 3 crs.** An overview of the history, aesthetics, process and function of the visual arts of Africa from the prehistoric period to traditional societies of today. Emphasis is placed on the interrelationship between the visual arts and religion, music, dance and other components of the African culture.

**ARTH 164. Survey of Visual Art. 3 crs.** Study of the visual arts from prehistoric times to the end of the twelfth century. Fall semester only.

**ARTH 165. Introduction to Art History. 3 crs.** Continuation of ARTH 164 from the thirteenth century to the present. Spring semester only. Prerequisite: ARTH 164.

**ARTH 167. Topics in Art Criticism. 3 crs.** The nature of interpretation and evaluation in the visual arts, with emphasis placed upon artistic expression in the African Diaspora. May be repeated for up to 6 hours of credit.

**ARTH 168. Internship in Art History. 3 crs.** On-site professional experience in a museum, gallery or cultural agency.

**ARTH 170. Modern Art History I. 3 crs.** Examines nineteenth century European and American styles of painting, printmaking, sculpture and architecture.

**ARTH 171. Modern Art History II. 3 crs.** Examines twentieth century European and American styles of painting, printmaking, sculpture and architecture.

**ARTH 172. West African Art. 3 crs.** Study of the visual arts of African civilization. Focus is placed on the artistic achievements of such civilizations as Ghana, Mali, Songhai, Nok, Igbo Ukwu, Benin, and Owo, among others, and the art of more recent cultural groups.

**ARTH 173. African Art History III. 3 crs.** An in-depth study of the history, aesthetics, processes and functions of the visual arts in ancient African civilizations in the Nile Valley and the Rift Valley. Focus will be placed on the artistic achievements of such civilizations as Egypt, Nubia, Aksum, Meore, Zimbabwe and of others since medieval times.

**ARTH 178. African-American Art I. 3 crs.** Analyzes the elements and dimensions of art produced by persons of African descent in the United States from precolonial times to 1945. Fall semester only.

**ARTH 179. African-American Art II. 3 crs.** Continuation of ARTH 178 from 1950 to the present. Spring semester only.

**ARTH 181. Research in Art History I. 3 crs.** Treats research methodology and its application to the study of various cultures, and independent study with faculty supervision.



**ARTH 182. Research in Art History II. 3 crs.** Continuation of ARTH 181.

**ARTH 183. The Expressionist Image. 3 crs.** A study of style and content from German Expressionism (1905 - 1920s) through and beyond:

**ARTH 189. Trends, Directions, Ideas in African American Art. 3 crs.** This course seeks to introduce students to problems in art historiography and art criticism and to explore the issues of identity and culture through examination of the Harlem Renaissance and contemporary developments in African American Art.

**ARTH 196. Heritage: The Art of Romare Bearden. 3 crs.**

## **ART**

### *Interdisciplinary*

**ARID 100. Solar Car Design. 3 crs.** Team taught, collaborative group project with Schools of Business, Communications and Engineering to design a solar-powered vehicle for the Sunrayce national competition. The project involves graphics and layout, artistic rendering, electronic imaging, uniform design, computer modeling and sculpting. Students will participate in all areas of development; concept, production, and the competitive race. Course is cross-linked with Engineering and Business.

**ARID 102. Capstone Senior Project I. 3 crs.**

**ARID 103. Senior Workshop/Capstone II. 3 crs.**

**ARID 105 Digital Media and Multimedia Applications. 3crs.** An introduction to digital media fundamentals including audio, video formats, storage and delivery. Windows Media technology will be extensively utilized as a method for digital content manipulation, rights management and internet transfer.

### *Art Management*

**ARTM 155. Independent Study in Art Management. 3 crs.** Individual and independent self-directed study. Preliminary proposal submitted to the program coordinator for approval. The student presents a written report concerning a particular area of art management. Spring semester only. Prereqs.: Senior status.

**ARTM 156. Art Management Internship. 4 crs.** On-site entry-level work experience in visual arts organizations in the Washington Metropolitan area. Each student should meet with the program coordinator and make arrangements for placement. One or more members of the cooperating visual arts organization's management staff will supervise the intern. An intern job performance appraisal is provided by the intern site supervisor. Fall semester only.

**ARTM 157. Art Management Internship. 3-4 crs.** A continuation of ARTM 156. Spring semester only.

**ARTM 158. Art Management Internship. 3-4 crs.** A continuation of ARTM 157 but site not restricted to the Washington metropolitan area. Prior intern site approval required. Summer session only.

**ARTM 159. Fine Arts Valuation. 3 crs.** Special problems in determining valuation of works of art. Investigation of techniques and modalities of marketing of art worldwide and its impact on national and international culture groups..

**ARTM 160. The Business of Art. 3 crs.** Special problems. May be repeated for a total of 6 semester hours.

### *Art for Non-Majors*

**ARTM 084. Art Process. 3 crs.** An introduction to the study of art and basic art processes. The course is designed to help students to understand art and art-making through lectures, discussions, critiques and limited studio work. It is especially an asset to those students who seek guidance in preparing entry-level portfolios to pursue a major in art.

### *Ceramics*

**ARTC 121. Ceramics I. 3 crs.** An introduction to clay through the use of hand building fabricating techniques. Historical, African and simple contemporary ceramics orientation, investigating clay bodies and glazes.

**ARTC 122. Ceramics II. 3 crs.** An introduction to throwing. Fabrication of clay forms using the pottery wheel. A continuation of glaze calculation, hands-on firing techniques.

**ARTC 123. Ceramics III. 3 crs.** Concentration on advanced wheel forms, production and glazes.

**ARTC 124. Ceramics IV. 3 crs.** Expansion of firing experiences to accommodate individual student requirements to produce ceramic projects.

**ARTC 125 . Ceramics V. 3 crs.** An exploration of glaze materials by fired tests.

**ARTC 126. Ceramics VI. 3 crs.** A continued, in-depth exploration of glazes and their effects through firing.

**ARTC 127. Ceramics VIII. 3 crs.** Technical development of ceramics in sculptural structures for art in public places.

**ARTC 129. Ceramics IX. 3 crs.** Independent study/ apprenticeship/internship study that exposes the student to varied processes of ceramic arts.

**ARTC 130. Ceramics X. 3 crs.** Advanced Ceramic Workshop. Prerequisite: ARTC 129. Favorable evaluation required. Majors/minors only.

**ARTC 131. Glaze Calculation and Formation. 3 crs.**

**ARTC 137. Ceramic Sculpture I. 3 crs.** For students who have demonstrated a desire and capability to handle the medium in totally three-dimensional form. Prerequisite: Consent of instructor.

**ARTC 138. Ceramic Sculpture II. 3 crs.** Clay handled three-dimensionally or in relief format.

### *Foundation Design*

**ARTF 001. Drawing I. 3 crs.**

**ARTF 002. Drawing II. 3 crs.**

**ARTF 087. Two-Dimensional Concepts I. 3 crs.** Basic elements of two-dimensional design - dot, line, shape, value, texture, space and color are introduced, along with such principles as rhythm, repetition, contrast, variety, balance and harmony. They, along with form, are presented as visual building blocks of a vocabulary necessary to the process of making visual statements.

**ARTF 088. Two-Dimensional Concepts II. 3 crs.** Continuation of Two-Dimensional Concepts I. Monochromatic, Chromatic Grays, Analogous, Complementary, Split Complementary, Dyadic and Triadic color schemes/systems/harmonies are introduced through various problems and exercises and presented as additional vocabulary necessary for making visual statements.

**ARTF 089. Three-Dimensional Concepts I. 3 crs.** This is a course designed to introduce the student to three-dimensional problem solving techniques through the use of various materials. This course may be team taught.

**ARTF 090. Three-Dimensional Concepts II. 3 crs.** A continuation of Three-Dimensional Concepts I. The course provides an in-depth study of problem solving techniques as they relate to resolved products. This course may be team taught.

## *Design*

**ARTD 105. Typography I. 3 crs.** History, design, and execution of fundamental lettering and typeforms, with emphasis on structure; includes practices in type rendering and built-up letters. Prerequisite: ARTD-104.

**ARTD 106. Design for Advertising I. 3 crs.** Treats the aesthetics and techniques of advertising layout, advanced problems in illustration, advertising art, magazine covers, and display. Prerequisite: ARTD 105.

**ARTD 107. Design for Advertising II. 3 crs.** Involves studio design problems, with emphasis on the development of ideas and the ability to communicate them effectively. Prerequisite: ARTD 106.

**ARTD 108. Typography II. 3 crs.** Deals with procedures in type specification and mechanical printing methods. Prerequisite: ARTD 107.

**ARTD 109. Reproduction and Techniques. 3 crs.** Teaches techniques of preparing work for reproduction, with concentration on color separation for a four-color process. Prerequisite: ARTD 108.

**ARTD 110. Studio Problems in Design. 3 crs.** Development of graphic and verbal articulation in package design and display, with study of agency practice and communication design.

**ARTD 111. Illustration. 3 crs.** Analysis of principles of illustration, with emphasis on theories of commercial and fine art illustration. Prerequisite: ARTR 004.

**ARTD 112. Production and Portfolio Techniques I. 3 crs.** Covers production and presentation of designer's work from drawing board to the printed page. Prerequisite: ARTD-107.

**ARTD 113. Production and Portfolio Techniques II. 3 crs.** Continuation of ARTD-112. Prerequisite: ARTD-112.

**ARTD 115. Digital Design I. 3 crs.**

**ARTD 118. Magazine and Newspaper Design I. 3 crs.** The study of informational graphics and the role of computers in newspaper design.

**ARTD 119. Internships. 3 crs. to 6 crs.** The student may take an internship that relates to his or her goals as well as interest and skills.

**ARTD 120. Field Study. 2 crs.** Off-campus and study abroad programs and projects.

**ARTD 122. Digital Design II. 3 crs.**

**ARTD 123. Magazine and Newspaper Design II. 3 crs.**

**ARTD 125. Industry Prep & Entrepreneurship. 3 crs.**

**ARTD 126. Web Development & Interactive Media. 3 crs.**

## *Drawing*

**ARTR 003 Drawing III (Figure). 3 crs.** In-depth concentration on rendering the human form. Emphasis is on exercises to enhance expressive interpretation of the human form.

**ARTR 004. Drawing IV (Spatial Concepts). 3 crs.** Comparison of similarities and differences in use of space in drawing of various cultures. Spring semester only. Prerequisite: ARTF 002.

**ARTR 005. Drawing V (Elective). 3 crs.** Focus is on designing the human figure. Prerequisite: ARTR 004.

**ARTR 006. Drawing VI (Elective). 3 crs.** Experimentation with various materials and techniques. Prerequisite: ARTR-005.

**ARTR 007. Drawing VII (Independent Study). 3 crs.**

**ARTR 008. Figure Drawing Workshop. 3 crs.** In-depth concentration on rendering the human form. Continuation of ARTD 003, Drawing III (Figure).

**ARTR 009. The Investigative Eye. 3 crs.** Recognizing drawing to be an activity partly physical and partly mental, this course is an intense studio experience that will utilize the "set-up" as a catalyst for investigating diverse aspects of form. An open attitude regarding materials and technique is encouraged. This is an advanced course and is recommended for those who wish to deepen their involvement with drawing. Prerequisite: Drawing I-IV.

### *Electronic Studio Art*

**ARTE 080. Computers in the Arts. 3 crs.** Basic computer literacy course. Introduces students to the basic components of IBM and Apple Macintosh computers; hardware and software; DOS; data management BASIC programming; graphics, sound and word processing, etc.

**ARTE 081. Desktop Publishing. 3 crs.** Foundation of computer graphics with an emphasis on Desktop Publishing programs. Students design graphics using software packages available for Mac IIs.

**ARTE 082. Presentation Graphics. 3 crs.** The use of advance Draw and Paint programs to produce presentation graphics from IBM and Macintosh. Students use various programs to create business presentations, organizational communications, image manipulation, and in-depth interaction with the system. Outputs are slides and videotapes.

**ARTE 083. 2D Animation I. 3 crs.** The hands-on studio course offers project oriented interaction with a multi-plane computer animation system. Students create step-by-step storyboard, image capture, image making, recording and editing.

**ARTE 084. Image Processing. 3 crs.** Use advance image processing techniques to enhance the creation of computer graphics. Students will work on scanned-in images and do image editing and manipulations.

**ARTE 085. Digital Photography. 3 crs.** Integrates photography and computer image process techniques to create a new art form. Prereqs.: Photography I and Image Processing.

**ARTE 086. Multi-Media I. 3 crs.** Use multi-media system to create text, images, sound, events and present on computer screen simultaneously. Prerequisite: Image Processing.

**ARTE 087. Multi-Media II. 3 crs.** Advanced multi-media projects. Use of M motion card to create live images and use sound board to create sound effects and music to accompany the presentation. Prerequisite: Multi-Media I.

**ARTE 088. Workshop in Computer Graphics. 3 crs.** Advanced electronic studio projects use software programs in-depth. Output can be of pre-press copy, videotape or in multi-media format.

**ARTE 089. Digital Media & Multi-Media Applications I. 3 crs.**

**ARTE 090. Digital Video Narratives. 3 crs.**

**ARTE 091. Independent Study I. 3 crs.** Students work on special projects under the direct supervision of faculty members. Finished computer projects must be of high quality.

**ARTE 092. Independent Study II. 3 crs.** Students work on projects under direct supervision of faculty members. Projects should be creative, innovative, research-oriented. Finished work must be of high quality.

**ARTE 093. Internship. 6 crs.** Students enrolled in this course will be given the opportunity to work in a field assignment in the area of their special interest and will be asked to meet professional standards set down by the organization to which they are assigned. Conferences will be held with the student during this period and the organization using the service will be asked to cooperate by reporting on the progress of the student. A written evaluation of performance is provided by the sponsoring agency or professional. At least six hours per week and a total of (84) hours are required to complete this internship.

**ARTE 094. 2D Animation II. 3 crs**

**ARTE 095. 3D Modeling & Animation I. 3 crs.**

**ARTE 096. 3D Modeling & Animation II. 3 crs.**

**ARTE 097. Intro to Game Design. 3 crs.**

**ARTE 098. Intro to Game Design II. 3 crs.**

**ARTE 099. Digital Media & Multi-Media Applications II. 3 crs.**

**ARTE 100. Independent Study III. 3 crs.**

**ARTE 101. Introduction to Graphic Systems Integration I. 3 crs.**

**ARTE 102. Introduction to Graphic Systems Integration II. 3 crs.**

### *Experimental Studio*

**ARTX 161. Experimental Studio I. 3 crs.** An experimental studio encouraging exploration of improvisational and unconventional combinations of media. Open to graduate and advanced undergraduate students.

**ARTX 162. Experimental Studio II. 3 crs.** Problems in three dimensional mixed media. May be repeated for up to 9 hours of credit.

**ARTX 163. Experimental Studio III. 3 crs.** Introduction to Environmental and Public Art. An introduction to designing scale models, maquette construction, safety, security, philosophical and social considerations in the execution of art works for public spaces. Open to graduate and advanced undergraduate students.

**ARTX 164. Experimental Studio IV. 3 crs.** Introductory problems in cable, mast and membrane construction.

**ARTX 182. Experimental Studio Workshop I. 3 crs.** Advanced experimental studio exploring improvisational and unconventional combinations of media.

**ARTX 183. Experimental Studio. 3 crs.** Advanced problems in environmental and public art.

**ARTX 184. Experimental Studio Workshop II. 3 crs.** Special problems in multi-media practices.

**ARTX 185. Experimental Studio Seminar. 3 crs.** Advanced problems in cable, mast and membrane construction.

### *Fashion*

**FASH 004. Introduction to the Fashion Industry. 3 crs.** An introductory to the fashion industry; survey of careers in the fashion industry; discussion of fashion trends, production and their effects on design and merchandising. Fall semester.

**FASH 006. Visual Merchandising. 3 crs.** An overview of visual merchandising, including a discussion of the principles and practices that guide the creation of window and promotional displays, store layout and design, and their impact on the fashion industry.

**FASH 009. Fashion Studio I. 3 crs.** Analysis and development of skills in the art of clothing construction.

**FASH 102. African American Dress. 3 crs.** An introduction to aesthetic and ecological perspectives on African American dress and adornment behavior from historic to contemporary.

**FASH 124. Textiles. 3 crs.** Study of textiles from raw materials through manufacturing and finishing of fabrics as related to consumer selection, use and care.

**FASH 162. Fashion Studio II. 3 crs.** Applies art principles to the design of clothing and studies techniques of flat-pattern drafting. Prerequisite: FASH 009.

**FASH 163. Fashion Illustration I. 3 crs.** Basic fashion illustration. Prerequisite: ARTF 001; ARTF 002.

**FASH 164. Fashion Illustration II. 3 crs.** Fashion illustration, croquis sketching and its relationship to design. Prerequisite: FASH 163.

**FASH 165. Directed Reading – Honors. 3 crs.** A supervised opportunity for independent study through supervised readings, leading to the completion of an undergraduate research project. Prerequisite(s): Consent of instructor.

**FASH 166. Directed Readings I. 1 cr.** A supervised opportunity for independent study through supervised readings, leading to the completion of an undergraduate research project. Prerequisite(s): Consent of instructor.

**FASH 167. Directed Readings II. 1 cr.** A continuation of FASH 166 which allows for further supervised independent study through supervised readings, leading to the completion of an undergraduate research project. Prerequisite(s): Consent of instructor.

**FASH 168. Practicum in Fashion Retailing. 3 crs.** Application and observation of business practices in an apparel retail environment in the Washington, D.C. area, without compensation. Prerequisite: Completion of 40 credits from the four-year sequence in fashion including 5-7 courses in sequence #FASH and consent of instructor. Student must be in good standing and must have completed all necessary CAR courses. Fall and Spring semesters and summer.

**FASH 169. Field Experience. 6 crs.** Consists of field experience in a commercial or governmental agency involved with fashion. Prerequisite: Senior status, consent of instructor. Fall and spring semesters and summer.

**FASH 172. Fashion Studio III. 3 crs.** Continuation of FASH 162, with emphasis on design by draping. Prerequisite: FASH 162.

**FASH 174. Fashion Industry II. 3 crs.** An overview of fashion from the concept to the consumer. Prerequisite: FASH 004.

**FASH 175. Fashion Buying & Merchandising. 3 crs.** A survey of fundamental activities, operations, and practices in retailing, including theory and quantitative analysis of inventory, planning, pricing, markdowns, and control for the profitable management of retail environments. Prerequisite(s): FASH 004 and MATH 006.

**FASH 176. Fashion in Context. 3 crs.** A discussion of current topics of interest in the fashion industry. Prerequisite(s): FASH 004, FASH 186, or instructor consent.

**FASH 182. Textile Design. 3 crs.** Examines the structural and decorative design of textiles. Laboratory includes such techniques as weaving, printing and knotting. Prerequisite: FASH 124.

**FASH 183. Fashion Studio IV: Autocad for the Apparel Industry. 3 crs.** This course focuses on the application of computer-aided design to fashion illustration, drafting, patternmaking and fabric surface design.

**FASH 184. Historic Textiles. 3 crs.** Study of oriental and occidental histories of textiles, including weaving, dyeing, and designing in historic time. Prerequisite: FASH 124.

**FASH 185. Traditional Folk Textiles and Dress. 3 crs.** Study of traditional folk textiles and dress throughout the world. Emphasis on textiles and dress styles still in use. Prerequisite: FASH 124.

**FASH 186. Clothing in History. 3 crs.** Presents the Oriental and occidental history of clothing and analyzes the significance to current problems.

**FASH 187. Clothing and Human Behavior. 3 crs.** Study of the social, psychological, and anthropological aspects of clothing. Prerequisite: one course in psychology or sociology.

**FASH 188. Current Clothing Topics. 3 crs.** Discusses current topics of concern in the fashion and textile field. Prerequisite: FASH 004 and FASH 124.

**FASH 190. Special Projects in Fashion I. 3 crs.** Deals with special projects in design or merchandising that meet the needs and interests of the student. Prerequisite: consent of instructor.

**FASH 191. Special Projects in Fashion II. 3 crs.** Continuation of FASH 190.

**FASH 192. Current Textile Topics. 3 crs.** Discusses topics of concern in the textile field. Prerequisite: FASH 124.

**FASH 193. Fashion Marketing. 3 crs.** Analysis of factors involved in fashion marketing, visual merchandising and promotions. Students will design and produce marketing plans, visual merchandising communications and fashion shows. Prerequisite: FASH 004 and FASH 174.

**FASH 194. Fashion Seminar. 3 crs.** A discussion of current topics of interest in the fashion and clothing field. Prerequisite(s): Instructor consent.

**FASH 195. Fashion, Art, & Media Design. 3 crs.** An in-depth look at the role of how the fashion and art influence the design of various forms of media. Prerequisite(s): FASH 004, FASH 187, & FASH 193.

**FASH 196. Sustainability in the Fashion Industry. 3 crs.** An introduction to the development of sustainable products and practices for fashion and interiors goods, their impact on consumers in the global marketplace, and the greening of the fashion and interiors industries. Prerequisite(s): FASH 124. Required for majors.

**FASH 197. Fashion Entrepreneurship. 3 crs.** An exploration in the conceptualization and development of a fashion-related business through the creation of a comprehensive business plan and participation in related entrepreneurial activities. Prerequisite(s): FASH 004, FASH 175, FASH 193, or instructor consent.

**FASH 198. Study Travel Tour. 3 crs.** An opportunity to receive academic credit for Fashion Merchandising Program-sponsored, international and domestic travel/learning experiences and related pre- and post- activities. Destinations vary. Note: Cost of travel not included in tuition and fees. See Program Coordinator for additional information. Prerequisite: Instructor consent.

### *Interior Design*

**INTD 098. Environmental Factors of Interior Design. 3 crs.** An introduction to the design, the environmental and the material implications of spaces for living. Fall semester.

**INTD 100. Fundamental Drafting of Interiors. 4 crs.** Instruction in drafting techniques necessary for the professional communication of interior ideas and information. Fall semester.

**INTD 101. Advanced Drafting Techniques of Interiors. 4 crs.** Instruction in advanced drafting skills necessary for the professional communication of ideas and information as related to interior design. Including one and two point perspectives. Prerequisite: INTD 100. Spring semester.

**INTD 102. Historic Interiors. 3 crs.** Historical development of furniture, textiles and accessories, and their relationship to interiors, ancient to 1846. Fall semester.

**INTD 103. Contemporary Interiors and Furnishings. 3 crs.** Development of furniture, textiles and accessories and their relationship to interiors, Victorian to present. Spring semester.

**INTD 104. Construction of Interior Spaces. 3 crs.** A study of construction terminology, techniques, materials, etc. use in the construction of residential structures, as they relate to interior design. Prerequisite: INTD 100 or consent of instructor.

**INTD 105. Interior Model Building. 3 crs.** Studio course in which the techniques of interior model building materials, methods, interior construction techniques, are used to construct a residential model focusing on the interior. Prerequisite: INTD 104 or consent of instructor

**INTD 106. CAD for Interiors I. 3 crs.** Computer assisted design drafting for interior spaces. Prerequisite: INTD 101 or consent of instructor.

**INTD 107. CAD for Interiors II. 3 crs.**

**INTD 108. Interior Graphics and Rendering. 4 crs.** An introduction to contemporary media and methods of rendering perspectives. Emphasis on techniques and different methods of applying color such as water colors, acrylic, zipatone and magic markers.

**INTD 109. Materials & Interior Composition. 3 crs.**

**INTD 111. Residential Interior Design. 3 crs.** Study of residential interior design and the functioning of the living environment. Sessions include viable solutions to limited living areas such as apartments, single rooms and townhomes. Prerequisite: INTD 105.

**INTD 112. Advanced Residential Interior Design. 3 crs.** Study of residential interior design including the functioning of a barrier free interior living environment; kitchen and other working areas; renovations to existing residences and creative planning of large scale and awkward residential spaces is emphasized. Prerequisite: INTD 111.

**INTD 113. Office Interior Design. 4crs.** Studio course dealing with the interior design offices, such as law, medical, insurance, banks, accounting, etc. Prerequisite: INTD 112.

**INTD 114. Business Aspects of Interior Design. 3 crs.** The course explores principles, procedures and practices including compensation and fees, contracts, business forms, budget management, retainers, designer-client and designer-trade relationships, as well as legal considerations. Prerequisite: INTD 116.

**INTD 115. Practicum in Interior Design. 3 crs.** Application and observation of business practices in an interior design establishment in the Washington, D.C. area, without compensation. Prerequisite: completion of 80 credits from the four-year sequence in interior design, completion of INTD 110, Presentation Techniques and INTD 202 Advanced Residential and consent of instructor. Fall and spring semesters and summer.

**INTD 116. Lighting of Interior Spaces. 3 crs.** Intensive analysis and planning of lighting and lighting systems for various types of interior spaces.

**INTD 117. Office Interior Design. 4 crs.** Studio course dealing with the interior design offices, such as law, medical, insurance, banks, accounting, etc.  
**Prerequisite: INTD 112.**

**INTD 118. Commercial Interior Design I. 4 crs.** Studio course dealing with various commercial interiors, such as hotels, educational facilities, restaurants, shops, and other specialized interiors. Prerequisite: ARTD 113.

**INTD 119. Advanced Problems in Interior Design. 3 crs.**



**INTD 120. Interior Rendering & Presentation Techniques. 3 crs.**

**INTD 121. Portfolio Design & Review. 4 crs.**

**INTD 123. Furniture Design I. 3 crs.**

**INTD 124. Furniture Design II. 3 crs.**

**INTD 169. Interior Design Fieldwork. 6 crs.** Consists of fieldwork in an interior design firm or other suitable related approved area. Prerequisite: completion of 90 credits, good standing and consent of instructor. Fall and spring semesters and summer.

**INTD 190. Special Project – Interior Design. 4 crs.**

### *Painting*

**ARTA 011. Painting I. 3 crs.** Introduction to traditional and contemporary techniques, with emphasis on control of paint and painting form. Prerequisite: ARTF 001.

**ARTA 012. Painting II. 3 crs.** Continuation of ARTF 011, with emphasis on various approaches to painting. Prerequisite: ARTF 011.

**ARTA 013. Painting III (Mixed Media). 3 crs.** Study of physical make-up of paints and use of tools. Exploration of various means to achieve aesthetic ends.

**ARTA 014. Watercolor Painting I. 3 crs.** Use of all contemporary aqueous media, including experimental approaches from documentary to nonobjective. Prerequisite: ARTF 001.

**ARTA 015. Watercolor Painting II. 3 crs.** Continuation of ARTA 014, with development of a personal approach and exploration of varied techniques. Prerequisite: ARTA 014.

**ARTA 016. Figure Painting I. 3 crs.** Introduction to figure painting. Prerequisite: ARTA 011.

**ARTA 017. Figure Painting II. 3 crs.** Intermediate Figure Painting. Prerequisite: ARTA 016.

**ARTA 018. Figure Painting III. 3 crs.** Advanced Figure Painting. Prerequisite: ARTA 017.

**ARTA 019. Public Art I (Mural Painting). 3 crs.** Art in Public Places. Prerequisite: ARTA 018.

**ARTA 020. Public Art II (Mural Painting). 3 crs.** Advanced Art in Public Places. Prerequisite: ARTA 019.

**ARTA 023. Introduction to Painting Workshop. 3 crs.** Directed study in Painting. Prerequisite: ARTA 011.

**ARTA 024. Advanced Painting Workshop. 3 crs.** Directed study in Painting. Prerequisite: ARTA 023.

**ARTA 025. Intermediate Rhythm Techniques Workshop. 3 crs.** Explanation, development, and practice of a rhythmic approach to the design and production of art based on the concepts of traditional African "Work Rhythms/Songs."

**ARTA 026. Studio Internship. 3 crs.** Provides practical experience working with a professional artist in the student's area of interest or specialization.

### *Photography*

**ARTP 019. Public Art Inter-Media. 3 crs.**

**ARTP 050. Basic Black & White Photography. 3 crs.** Introduction to the basic black and white photography methods, plus an overview of history of processes and aesthetics in photography.

**ARTP 051 . Intermediate Photography. 3 crs.** Prerequisite: ARTP 050, or 8 mounted photographs. This is a course in advanced black and white photography, with special attention given to the development of a personal exposure system, along with basic techniques in design concepts as they relate to photography.

**ARTP 052. Photography II. Basic Color. 3 crs.** An introduction to color photography. The course is designed to give the student a basic knowledge of color photography through the use of negative/positive processes. Prerequisite: ARTP 051, or 8 mounted photographs.

**ARTP 054. Alternative Process Photography. 3 crs.**

**ARTP 055. Studio Photography. 3 crs.** In this course the student will be introduced to studio lighting techniques as they pertain to still life set-ups. Prerequisite: ARTP 053.

**ARTP 056. Editorial Photography. 3 crs.** In this course the student will learn techniques on how to develop a Photo Essay and how to illustrate commercial assignments using these techniques. Prerequisite: ARTP 053.

**ARTP 057. Senior Photography. 3 crs**

**ARTP 058. Problems in Photography. 3 crs.**

**ARTP 059. Photography Independent Study. 3 crs.**

**ARTP 060. Photography Internship I. 3 crs.** This course offers the student the opportunity to work in a professional environment. Prerequisite: ARTP 054, or ARTP 055, or ARTP 056.

**ARTP 061. Photography Internship II. 3 crs.** This course offers the student the extended opportunity to work in a professional environment. Prerequisite: ARTP 057.

**ARTP 062. Digital Photography I. 3 crs.**

**ARTP 062. Digital Photography II. 3 crs.**

### *Printmaking*

**ARTP 031. Printmaking I. 3 crs.** Introduction to the medium of printmaking through traditional and contemporary methods and materials.

**ARTP 032. Silkscreen Printmaking. 3 crs.** Presents the silkscreen process of printmaking, dealing with problems and original compositions, with emphasis on color printing. Fall semester only.

**ARTP 033. Relief Printmaking. 3 crs.** Exploration of woodcuts, linoleum cuts, and contemporary relief printing techniques, with emphasis on color and color registration methods. Spring semester only. Prerequisite: ARTP 031.

**ARTP 034. Lithography. 3 crs.** Introduction to photo-lithography and color printing with use of lithographic crayon, tusche, and autographic materials. Fall semester only. Prerequisite: ARTP 031.

**ARTP 035. Intaglio Printmaking. 3 crs.** Projects in etching, engraving, aquatint, drypoint, soft ground, life ground, and mixed media, with a focus on color intaglio techniques. Spring semester only. Prerequisite: ARTP 031.

**ARTP 039. Printmaking Workshop I. 3 crs.** Consists of advanced workshop and independent investigation, with scheduled group reviews and critiques. Prerequisite: ARTP 031.

**ARTP 040. Printmaking Workshop II. 3 crs.** Continuation of ARTP 039. Prerequisite: Permission of instructor.

**ARTP 041. Social Graphics I. 3 crs.** Survey of historical precedents in printmaking and its use as an educational medium. Use of appropriate printmaking methods and materials. Emphasis on contemporary issues, ideas, and ideals. Fall semester only.

**ARTP 042. Social Graphics II. 3 crs.** A continuation of Social Graphics I. Prerequisite: ARTP 041. Spring semester only.

**ARTP 043. Independent Study in Printmaking I. 3 crs.** Independent work in printmaking. Presentation of a comprehensive body of prints at the end of the semester. Periodic meeting with instructor for progress evaluation. Preliminary proposal required at the beginning of the course. Prerequisite: senior standing. Fall semester.

**ARTP 044. Independent Study in Printmaking II. 3 crs.** Independent work in printmaking. Presentation of a cohesive body of prints at the end of the semester. Periodic meetings with the instructor for progress evaluation. Preliminary proposal required at the beginning of the semester. Prerequisite: Senior standing. Spring semester only.

**ARTP 063. Digital Printmaking I. 3 crs.**

**ARTP 064. Digital Printmaking II. 3 crs.**

**ARTP 064. Independent Study – Digital Printmaking. 3 crs.**

### *Sculpture*

**ARTS 141. Sculpture I: Modeling and Casting. 3 crs.** Using structured studio projects, the student develops a formal vocabulary of expression through methodic idea development and forming techniques. This course guides the student through basic sculpture processes and practical aspects of the art as well as introduces a conceptual and construction language.

**ARTS 142. Sculpture II: Fabrication and Carving. 3 crs.** A more expressive approach than with Sculpture I. This class introduces the student to the additive and subtractive sculpture making procedures emphasizing joining and shaping of forms. Visual information from the natural and artificial world is gathered. Elements of structure and pattern are also examined.

**ARTS 143. Figure Sculpture I. 3 crs.** Students sculpt clay likenesses from live models through observation and modeling techniques. Careful and continuous study from life expands our understanding of structure and shape, clarifies our perception of what we see, and hones our ability to form what we intend. The human form also inspires psychological exploration of expression.

**ARTS 144. Figure Sculpture II. 3 crs.** Continuation of Figure Sculpture I. This class develops the student's skills and individual style by encouraging fidelity to nature and personal interpretations of character.

**ARTS 145. Figure Sculpture III. 3 crs.** Advanced figure study. The student is expected to cultivate a naturalistic style or personal sense of abstraction.

**ARTS 146. Figure Sculpture IV. 3 crs.** Further advanced figure study. The student is expected to hone a developing style. In addition, the student may work as a teaching assistant to the instructor and is expected to accept certain studio responsibilities.

**ARTS 147. Wood Sculpture. 3 crs.** This structured course introduces the student to manual techniques involved in wood carving and fabrication processes. The class also surveys forms of fine wood sculpture and other woodworking, identifying and seasoning wood, wood working tools, equipment and processes.

**ARTS 148. Stone Carving. 3 crs.** This course introduces the student to stone carving techniques. Through certain carving exercises, students will design, rough out, and chase stone sculpture, as well as make their own tools.

**ARTS 149. Metal Sculpture I: Welding and Fabrication. 3 crs.** This course introduces the student to welding, brazing, and soldering techniques, as well as fundamental metal construction processes necessary for armature building and direct sculpture.

**ARTS 150. Metal Sculpture II: Smithing and Forge Fabrication. 3 crs.** Advanced construction processes for direct sculpture. The course introduces hot forming, hammered and fabricated metal sculpture techniques. Students will also learn to make their own tools.

**ARTS 151. Foundry I: Bronze Casting. 3 crs.** Introduction workshop to the casting process. Substitution theory and gating systems, wax working, mold making, investment and ceramic shell molds, foundry safety and metal pouring.

**ARTS 153. Sculpture Workshop I. 3 crs.** Advanced Study. Students will pursue personal investigations in one or more sculpture making processes. Shop economics and responsibilities are also developed in a collective atelier environment.

**ARTS 154. Sculpture Workshop II. 3 crs.** Further sculpture workshop study.

**ARTS 155. Independent Studio I. 3 crs.** Advanced study in personal sculpture direction.

**ARTS 156. Independent Studio II. 3 crs.** Further advanced study in personal direction.

**ARTS 157. Internship. 3 crs.**

## **BIOLOGY**

**BIOL 101,102. General Biology. 4crs.** An introductory sequence of two courses designed for all Biology majors that presents the unifying concepts of contemporary biology at all organizational levels through integrated lectures and laboratories. All basic life properties in prokaryotic and eukaryotic systems are studied.

**BIOL 200. Genetics. 4 crs.** Introduction to the study of the chemical composition and structure of the genetic material and its transmission and function in development and metabolism. Combines classical and molecular-biological approaches to the understanding of mechanisms of inheritance. Prerequisite: BIOL 101/102.

**BIOL 204. Science and Public Policy. 3 crs.** This course explores ethical, historical, and political aspects of the utilization of scientific knowledge for the development of public policy.

**BIOL 205. Invertebrate Biology. 4 crs.** Study of representative invertebrates, including the morphology, life history, and phylogenetic relationships. Prerequisite: BIOL 101/102.

**BIOL 207. Biosphere. 4 crs.** An examination of the evolutionary history of the dynamics of the biosphere (the upper few kilometers of the crust, atmosphere, oceans, and anthroposphere) with particular focus on the role of life in the regulation of chemical and physical conditions. Prerequisite: BIOL 101/102.

**BIOL 208. Native Plants. 4 crs.** Nontechnical field and laboratory course dealing with the collection, identification, preparation, and uses of native wild plants. BIOL 101/102.

**BIOL 210. Field Biology. 4 crs.** Field course involving the collection, preservation, and identification of native and introduced Flora and Fauna. Prerequisite: BIOL 101/102.

**BIOL 217, 218, 317, 318. Directed Readings for Sophomores and Juniors. 1 cr.** Pursuit of an independent literature research problem in one subdiscipline. Honors course.

**BIOL 220. General Microbiology. 4 crs.** Introductory lecture-laboratory course which deals with the microbial world: prokaryotes, eucaryotes, and the acellular microorganisms. Emphasizes the microbial cell structure and function, growth and control, genetics, taxonomy, host-parasite interactions, microbial diseases and control, ecology and biotechnology. Prerequisite: BIOL 101/102

**BIOL 230. Ecology. 4 crs.** This lecture-laboratory course considers how the physical and biotic environments of animal and plant species influence patterns of distribution and abundance, with specific emphasis on features of natural communities. Prerequisite: BIOL 101/102.

**BIOL 240. Evolution. 3 crs. or (4 crs. with lab.)** Includes the study of Darwin's theory of evolution and its implications, evidences from various biological disciplines supporting Darwin's evolutionary theory, chemical evolution, and organic evolution from the cell to modern man. Prerequisite: BIOL 101/102; BIOL 200.

**BIOL 252. Comparative Anatomy of Vertebrates. 4 crs.** Consists of lectures, laboratories, and discussions on metazoan evolution chordate evolution, taxonomy, development, anatomy, and function. Prerequisite: BIOL 101/102.

**BIOL 253. Plant Anatomy. 4 crs.** Lecture-laboratory course dealing with the study of the structure and development of the cells, tissues, and organs of vascular plants. Prerequisites: BIOL 101/102.

**BIOL 190, 290, 390, 490. Independent Investigations. 3 crs.** Conception and development of an independent research project.

**BIOL 302. Organismal Biology. 4 crs.** A comprehensive study of form, physiology, and phylogeny in the major groups of living organisms. Emphasis on the commonality of mechanisms utilized for growth, reproduction, and adaptation to environmental change by different groups of organisms. MARC Honor Course.

**BIOL 310. Cell Biology. 4 crs.** Examines the chemistry, structure, and function of cells and their components and the microscopic details of mammalian tissues and organs. Prerequisites: BIOL 101/102.

**BIOL 315. Quantitative Biology. 3 crs.** An introduction to quantitative methods of measuring biological processes, evaluating and interpreting experimental data, and monitoring biological phenomena. Marc Honors Course.

**BIOL 320. Molecular Biology. 4 crs.** Discussion and experimentation covering the structure and function of prokaryotic and eukaryotic genomes and their gene products. Regulation of genetic expression is stressed. The theoretical basis and application of current research techniques used in basic and applied molecular biology and genetic engineering are covered. Prerequisites: BIOL 101/102, BIOL 200, one year of general college chemistry and one year of organic chemistry.

**BIOL 329. Global Environment.** This course is an introduction to global ecology. It considers the critical problems facing humanity with regard to environmental ecological damage, agriculture, climatic change and depletable mineral, water and energy resources. All spatial scales are discussed with emphasis on global/local/urban interrelations and their impact on human health and ecosystems. The global environmental/ecological crisis is discussed in the context of North/South relations. Prerequisite: BIOL 101/102 or consent of the instructor.

**BIOL 331. History and Philosophy of Science. 3 crs.** A study of the major philosophical principles that have led to the development of the scientific method and the major discoveries of science.

**BIOL 340. Bacterial Physiology. 4 crs.** Comprehensive study of biochemical mechanisms and physiological behavior in bacteria. Prerequisites BIOL 220, and CHEM. 142.

**BIOL 341. Animal Physiology. 4 crs.** Lecture-laboratory course covering the muscles, nervous system, reproduction, and physiological regulation. Prerequisite: BIOL101/102.

**BIOL 344. Plant Physiology. 4 crs.** Study of the physiologic processes and regulatory mechanisms associated with growth and development primarily in higher plants. Prerequisites: BIOL 101/102.

**BIOL 348. Biogeochemistry. 3 crs.** Survey of the distribution of the elements composing the earth with discussion of the reasons underlying these patterns, including examination of biological interactions.

**BIOL 402. Insect Biology. 4 crs.** This lecture/laboratory course includes taxonomy, morphology, physiology, behavior, and ecological and evolutionary relationships in the class Insecta. Prerequisites: BIOL 101/102, and BIOL 200.

**BIOL 404. Parasitology. 4 crs.** Considers the biology of protozoan and metazoan parasites of man and animals and the host-parasite relationship. Prerequisites: consent of instructor.

**BIOL 405. Social Insects. 4 crs.** Deals with behavioral and systemic studies in social insects in their natural habitats. Prerequisite: BIOL 101/102.

**BIOL 407. Ichthyology, 4 crs.** A study of fish biology, including taxonomy, morphology, population dynamics and distribution of fishes, and a critical review of current ichthyological research. The laboratory consists of field experience, along with dissection of representative forms. Prerequisites: BIOL 101/102 or consent of instructor.

**BIOL 408. Herpetology. 4 crs.** This lecture-laboratory course concerns the study of amphibians and reptiles and focuses on the taxonomic, morphological, physiological, behavioral, ecological and evolutionary relationships among members of these vertebrates. Prerequisites: BIOL 101/102 or consent of instructor.

**BIOL 409. Animal Behavior. 4 crs.** Environmental and quantitative approach to behavior illustrating basic principles, with emphasis on physiological bases, ecological correlates, and evolutionary aspects. Prerequisites: BIOL 101/102 or consent of instructor, BIOL 310 or consent of instructor.

**BIOL 410. Plant Systematics. 4 crs.** Lecture-laboratory course involving the basic principles and concepts in the classification and nomenclature of vascular plants. Prerequisite: BIOL 101/102.

**BIOL 413. Developmental Biology. 4 crs.** Discusses gametogenesis, fertilization, cleavage, differentiation and mechanisms controlling these processes. Laboratory includes study of living invertebrate specimens. Prerequisite: BIOL 200 and BIOL 310.

**BIOL 415. Molecular Genetics. 4 crs.** Lecture-laboratory course in which studies of plant and microbial genomes are conducted through nucleic acid analysis and applications of recombinant-DNA technology and environmental mutagenesis. Prerequisites: BIOL 101/102, BIOL 200, CHEM. 156 or the equivalent; and advanced standing.

**BIOL 416. Advanced Cytology. 4 crs.** Analyzes ultrastructural cytology, with emphasis on current techniques in transmission and scanning electron microscopy and cytochemistry. Prerequisites: BIOL 101/102, BIOL 200, BIOL 310.

**BIOL 421. Virology. 3 crs.** Study of the structure, biochemistry, and biologic relations of viruses. Prerequisites: BIOL 220 and CHEM. 141.

**BIOL 422. Immunology. 3 crs.** Covers humoral and cellular immunity against infections and non-self agents; cellular interactions and differentiations events associated with the immune response; and applications of immunology to biomedicine. Prerequisite: one of the following – BIOL 200, BIOL 330; CHEM. 151, or CHEM. 156; or BIOL 200, BIOL 310, or BIOL 314.

**BIOL 424. Environmental Microbiology.** An integrated approach to studying the role of microorganisms in environmental waste management. The microbiology of air, water, soil and sewers are addressed. Emphases are placed on the public health implications of microbes and their products in the environment, and the role of microbes in bioremediation of hazardous chemical wastes. Prerequisite: BIOL 220.

**BIOL 425. Pathogenic Bacteriology. 4 crs.** Lecture-laboratory course in which the pathways of etiological agents of disease, methods of identification and therapy, and control measures are considered. Prerequisite: BIOL 220.

**BIOL 426. Food Microbiology. 4 crs.** Lecture-laboratory course involving the microbiology and epidemiology of food-borne diseases and food poisoning and microbiology of fermented foods. Methods of prevention and identification are considered. Prerequisite: BIOL 220.

**BIOL 430. Biostatistics. 4 crs.** Deals with measures of central tendency and dispersion; binominal, student, and chi-square distribution; and hypothesis testing related to biological problems. Prerequisite: college algebra or the equivalent.

**BIOL 432. Plant Populations and Communities. 4 crs.** Lectures, labs and field trips introduce students to the structure and dynamics of plant populations and communities from an evolutionary perspective. Students develop and awareness of abiotic factors and ecological relationships between species that influence the abundance and distribution of plants in the natural environment, and the important role of plants in the global ecosystem. Laboratory exercises allow students to design and implement field and greenhouse experiments. Students will gain experience with internet resources in searching the primary

literature in plant ecology, as well as analyzing and presenting scientific data. Prerequisite: BIOL 101/102, BIOL 200, BIOL, 230 or consent of instructor.

**BIOL 441/442. Endocrinology I and II. 3 crs.** Treats the endocrine system systematically, beginning with a discussion of basic concepts, such as the properties of hormones, mechanism of action, hormone assay, and then such recognized endocrine glands as the hypothalamus and adrenal cortex. Emphasis is placed on vertebrate endocrine physiology, with some invertebrate comparisons. Prerequisites: BIOL 251 and CHEM. 142.

**BIOL 444. Introduction to Neurobiology. 4 crs.** This course introduces how nerve cells receive, transmit and integrate information in an animal. The first part deals with the cellular and molecular aspects of neuronal signalling. The second part deals with neural nets, sensory motor integration and brain functions. Prerequisite: BIOL 341.

**BIOL 445. Biochemical Genetics. 4 crs.** Study of the chemical nature of the genetic materials, mutation, the genetic code, protein synthesis, enzyme subunit structure, genetic complementation, and gene action and development. Prerequisites: BIOL 101/102, BIOL 200, CHEM. 142, and consent of instructor.

**BIOL 446. Mycology. 4 crs.** General study of the biology of fungi, with emphasis on their development, phylogeny, and ecologic distribution. Prerequisite: BIOL 101/102.

**BIOL 448. Techniques in Biological Chemistry. 4 crs.** Introduces student to the theoretical bases and practical applications of experimental techniques in cellular biochemistry. Lecture-laboratory instruction on the following: pH, buffers and solutions (gravimetric and spectrophotometric methods); purification of enzymes and other proteins by chromatographic (MEC, IEC, etc.) and electrophoretic (PAGE, SDS-PAGE, IEF) methods; enzyme kinetics (Km, inhibition); isozymes (pI, Km, Mr, densitometry); estimation of relative molecular mass of proteins by denaturing and non-denaturing methods (retardation coefficients); quantitative (graphic and statistical) analysis of experimental data; BASIC computer programming. Prerequisite: a survey course in biochemistry.

**BIOL 449. Population Genetics. 4 crs.** Focuses on the genetic structure of population, factors affecting gene frequency, genotype-environment interaction, and genetic relationship in natural and artificial populations. Prerequisites: BIOL 200 and consent of instructor.

**BIOL 450. Botanical Microtechniques. 3 crs.** A course on methods and techniques used in the study of plant structure. Histochemical and cytochemical procedures will be included. Prerequisite: Consent of instructor.

**BIOL 451. Ultrastructure. 4 crs.** Course in electron microscopy undertaking methods of preparation of biological specimens and a study of their fine structure. Prerequisite: BIOL 310 or equivalent.

**BIOL 454. Principles of Plant Pathology. 4 crs.** Lecture-laboratory study of the nature, etiologic agents, and host-parasite interactions associated with plant disease development. Prerequisites: BIOL 101/102 and advanced standing.

**BIOL 455. Experimental Plant Morphogenesis. 4 crs.** Study of the physical and biochemical factors regulating cell, tissue, and organ differentiation in higher plants. Prerequisites: BIOL 310 and consent.

**BIOL 457. Morphology of Lower Plants. 4 crs.** Intensive examination of the development, ecology, and phylogenetic relationships of the prokaryotes, fungi, algal groups, and bryophytes. Prerequisites: BIOL 101/102 and advanced standing.

**BIOL 459. Morphology of Vascular Plants. 4 crs.** In-depth study of the origin, structure, ontogenetic patterns, and evolutionary relationships of vascular plants. Alternate year course. Prerequisites: BIOL 101/102.

**BIOL 491/492. Honors Research (MARC). 1 cr.** A course designed to provide students with the opportunity to plan and execute research problems which denote a level of creativity and mastery of research technology beyond that expected in standard laboratory training.

**BIOL 493, 494. Senior Seminar. 1 cr.** Weekly seminar for undergraduates on current topics in biology.

**BIOL 495/496. Honors Research. 3 crs.** A course designed to provide students with the opportunity to plan and execute research problems which denote a level of creativity and mastery of research technology beyond that expected in standard laboratory training. Marc Honors Course.

**BIOL 498/499. Honors Seminar. 0 cr.** Weekly seminar devoted to discussions of various aspects of biological research. Emphasis is placed on presentations by invited speakers and presentations of student research projects. Marc Honors Course.

**BIOL 500. Topics in Molecular and Cellular Biology. 1 cr.** A survey of current issues in molecular and cellular biology.

**BIOL 501. Topics in Anatomy and Physiology. 1 cr.** A survey of current issues in anatomy and physiology.

**BIOL 502. Topics in Ecology and Evolution. 1 cr.** A survey of current issues in ecology and evolution.

## **CHEMISTRY**

**CHEM 001. General and Applied Chemistry. 3 crs.** Specially oriented toward students needing one semester of chemistry. Covers topics in elementary inorganic, organic, and biological chemistry.

**CHEM 002. General and Applied Chemistry Laboratory. 1 cr.** Designed to teach some of the elementary techniques of experimentation and observation as carried out in a chemical laboratory.

**CHEM 003. General Chemistry and Recitation . 4 crs.** Deals with the fundamental principles of chemistry, the chemical and physical properties of the elements and their most common compounds, and methods of qualitative inorganic analysis. Prerequisite: Students required to take CAR math have to satisfy that requirement before they will be able to enroll in this course.

**CHEM 004. General Chemistry and Recitation. 4 crs.** Lecture course that is a continuation of CHEM 003. Prerequisite: CHEM 003 or consent of instructor.

**CHEM 005. General Chemistry Laboratory. 1 cr.** Designed to teach some of the techniques of chemical experimentation, illustrate some of the principles of chemical theory, and develop some skill in the preparation and analysis of chemical substances.

**CHEM 006. General Chemistry Laboratory. 1 cr.** Continuation of CHEM 005.

**CHEM 084, 085. Directed Readings for Sophomores. 1 cr.** Honors course.

**CHEM 088, 089. Directed Readings for Juniors. 1 cr.** Honors course.

**CHEM 092, 093. Special Laboratory Projects. 1-6 crs.** Introduction to the use of chemical literature and research methods through experimental work on a research problem. Honors course. Prerequisites: CHEM 122 and CHEM 142.

**CHEM 101. Inorganic Chemistry. 3 crs.** Examination of molecular structure and the application of valence and other theories in the interpretation of inorganic chemical reactions. Prerequisite: CHEM 172 or consent of instructor.

**CHEM 102. Advanced Inorganic Chemistry. 3 crs.** Systematic treatment of inorganic chemistry in terms of molecular structure, periodic properties, and current theories of bonding. Prerequisite: CHEM 172 or consent of instructor.

**CHEM 105. Techniques of Inorganic Chemistry. 2 crs.** Preparation, purification, and structural analysis of inorganic substances. Prerequisites: CHEM 122, CHEM 142, and CHEM 172 or consent of instructor.

**CHEM 122. Analytical Chemistry Lectures. 3 crs.** Treats the principles and techniques of quantitative analysis, with emphasis on both wet and instrumental techniques, statistical analysis of data, homogeneous and heterogeneous equilibria, criteria for a reliable analysis, and capability and limitation of instruments for analytical application. Prerequisite: CHEM 004.



**CHEM 123. Analytical Chemistry Laboratory. 2 crs.** Presents experiments covering gravimetric, potentiometric, spectrophotometric, and chromatographic techniques.

**CHEM 126. Instrumental Methods of Analysis—Lecture. 3 crs.** Basic theory and applications of instrumental methods of analysis, including spectroscopy, electroanalytical methods, and chromatography. Prerequisite: CHEM 122.

**CHEM 127. Instrumental Methods of Analysis—Laboratory. 2 crs.** Experimental applications of spectroscopy, electroanalytical methods, and chromatography. Prerequisite: CHEM 122 and CHEM 123.

**CHEM 131. Advanced Analytical Chemistry. 3 crs.** Examination of the principles and experimental aspects of analytical chemistry on an advanced level. Prerequisite: CHEM 122.

**CHEM 132. Introduction to Environmental Chemistry. 3 crs.** Focuses on certain key principles of chemistry that are fundamental for understanding environmental waste problems. Prerequisite: CHEM 006.

**CHEM 135. Techniques of Analytical Chemistry. 2 crs.** Treatment of basic techniques of analytical chemistry, with emphasis on the underlying theory and methods of its application to the solution of analytical problems; obtaining accurate and reliable data; evaluating sources of error; and interpreting the significance of the results and reporting them in a clear and concise manner.

**CHEM 140. Techniques of Organic Chemistry. 3 crs.** Experimental studies in the isolation, purification, and structure determination of organic compounds, utilizing primarily spectroscopic methods. Six hours a week. Prerequisite: CHEM 142 and consent of instructor.

**CHEM 141. Organic Chemistry. 3 crs.** Lecture course analyzing the chemistry of the compounds of carbon. Prerequisite: CHEM 004.

**CHEM 142. Organic Chemistry. 3 crs.** Continuation of CHEM 141. Prerequisite: CHEM 141.

**CHEM 143. Advanced Organic Chemistry. 3 crs.** Lecture course examining, or an advanced level, the chemistry of certain classes of compounds of carbon. Prerequisite: CHEM 142.

**CHEM 144. Physical Organic Chemistry. 3 crs.** Lecture course that correlates the properties of organic molecules with their structure. Prerequisites: CHEM 142, CHEM 143, and CHEM 172.

**CHEM 145. Organic Chemistry Laboratory and Laboratory Lecture. 3 crs.** Experimental studies in the isolation, purification, and synthesis of organic compounds. Prerequisite: Concurrent enrollment in CHEM 141 or CHEM 142.

**CHEM 148. Polymer Synthesis Lecture. 3 crs.** Designed to introduce the principles of polymer chemistry and methods of polymer synthesis.

**CHEM 149. Polymer Synthesis Laboratory. 1 cr.** Designed to introduce the techniques of polymer synthesis.

**CHEM 151. Biochemistry Lecture. 3 crs.** Analysis of the chemistry, metabolism, and enzymology of carbohydrates, proteins, fats, and other cellular constituents. May be taken jointly with CHEM 171. Prerequisite: CHEM 142.

**CHEM 152. Biochemistry. 3 crs.** Continuation of CHEM 151. Prerequisite: CHEM 151.

**CHEM 156. Biochemistry Survey. 3 crs.** One-semester biochemistry course covering the chemistry and metabolism of carbohydrates, lipids, nucleic acids, and proteins. Prerequisite: CHEM 142.

**CHEM 157. Biochemistry Survey Laboratory. 1 cr.** Experimental studies in the isolation and chemical reactivity of substances of biological interest.

**CHEM 167. Physical Properties of Polymers. 3 crs.** Course provides an understanding of the physical chemical issues involved in the processing and applications of polymers. Emphasis will be on the structural, thermal, mechanical and electro-optical properties of chain molecules. Prerequisites: CHEM 171 or equivalent or permission of instructor.

**CHEM 168. Polymer Characterization. 3 crs.** Deals with the basic concepts and techniques used in the characterization of various types of polymers. Prerequisite: CHEM 148.

**CHEM 169. Polymer Characterization Laboratory 1 cr.** Experimental applications involved in the characterization of polymers. Prerequisite: CHEM 149.

**CHEM 171. Physical Chemistry Lecture. 3 crs.** An introduction to thermodynamics and its applications; quantum chemistry including atomic and molecular structure; atomic and molecular spectroscopy. Prerequisites: CHEM 004; Physics PHYS 002; and differential and integral calculus.

**CHEM 172. Physical Chemistry Lecture. 3 crs.** Continuation of CHEM 171, including chemical kinetics, catalysis, and photochemistry. Prerequisite: CHEM 171.

**CHEM 173. Physical Chemistry Laboratory. 2 crs.** Lecture-laboratory course that includes experimental studies in spectroscopy and molecular structure, properties of gases, and thermodynamics. Prerequisite: CHEM 171.

**CHEM 174. Physical Chemistry Laboratory. 2 crs.** Continuation of CHEM 173.

**CHEM 178. Advanced Physical Chemistry. 3 crs.** Comprehensive treatment of some classical and modern physical chemistry topics. Prerequisite: CHEM 172.

**CHEM 179. Advanced Physical Chemistry. 3 crs.** Continuation of CHEM 178.

**CHEM 180. Chemistry for the Health Sciences I and Recitation. 4 crs.** Designed for non-chemistry majors in the health sciences and related fields (nutrition, nursing, medical technology, etc.) Deals with basic concepts of General Chemistry and Organic Chemistry.

**CHEM 181. Chemistry for the Health Sciences Laboratory. 1 cr.** Designed to teach some of the techniques of chemical experimentation, illustrate some of the principles of chemical theory and develop skill in the preparation and analysis of organic and biochemical substances.

**CHEM 182. Chemistry for the Health Sciences II and Recitation. 4 crs.** Lecture course that is a continuation of CHEM 181. Deals with basic concepts of organic chemistry and Biochemistry. Prerequisite CHEM 181.

**CHEM 183. Chemistry for the Health Sciences Laboratory. 1 cr.** Continuation of CHEM 181.

**CHEM 184. Computer Programming for Chemists. 3 crs.** Fortran programming, principles of numerical analysis, numerical solution of differential equations and problems in linear algebra, statistics, and probability. Prerequisite: CHEM 183 or consent of instructor.

**CHEM 195. Introduction to Atmospheric Chemistry. 3 crs.** General introduction to atmospheric sciences with an emphasis on the chemistry of the earth's atmosphere. General examination of the current state of knowledge regarding the photochemistry, kinetics, chemical cycling, and evolution of the earth's atmosphere. Prerequisites: CHEM 172 or consent of the instructor.

**CHEM 196. Atmospheric Chemistry. 3 crs.** Advanced treatment of the current theories of chemical evolution and stability of planetary atmospheres with an emphasis on the earth's atmosphere. Prerequisites: CHEM 172, CHEM 195, or consent of the instructor.

**CHEM 197. Planetary Atmospheres. 3 crs.** Continuation of CHEM 296. Treatment of the evolution chemistry, and physics of extraterrestrial and interstellar atmospheres. Prerequisites: CHEM 297 or consent of the instructor.

**CHEM 198. Current Topics in Atmospheric Sciences. 2 crs.** Seminar course featuring area scientists whose field of specialty is in atmospheric or space sciences. Representative topics will be acid rain, global warming/cooling, ozone depletion, and air pollution.

**CHEM 199. Atmospheric Radiation I. 3 crs.** Application of radiative transfer theory to problems in planetary atmospheres with emphasis on the earth's atmosphere. Principles of atomic and molecular spectroscopy, absorption and emission by atmospheric gases, radiation flux and flux divergence computations will be covered. Prerequisites: Physics PHYS 178, Physics PHYS 182, differential and integral calculus.

**CHEM 990. Co-op Chemistry (01-12) crs.**

## **CLASSICS**

**CLAS 001. Elementary Latin I. 4 crs.** The fundamentals of the language and reading of simple prose, with supplementary reading on Roman civilization. Not open to students who have received admission credit in Latin.

**CLAS 002. Elementary Latin II. 4 crs.** Continuation of 001, with increased emphasis on reading. Prerequisite: CLAS 001.

**CLAS 003. Intermediate Latin III. 3 crs.** Review of the language and selected readings in prose and poetry. Prerequisite: Two or three units of secondary Latin or CLAS 002.

**CLAS 004. Intermediate Latin IV. 3 crs.** Includes the reading of selections from major authors, usually in poetry. Prerequisite: three or four units of secondary Latin or CLAS 003.

**CLAS 006. Hieroglyphs I. 3 crs.** Introduction to Middle Egyptian language and writing, including grammar and translation of inscriptions and narratives.

**CLAS 007. Hieroglyphs II. 3 crs.** Continuation of CLAS 006, with increased emphasis on reading.

**CLAS 010. Elementary Greek I. 4 crs.** Fundamentals of the language and the reading of simple Attic prose, with supplementary reading on Greek civilization.

**CLAS 011. Elementary Greek II. 4 crs.** Continuation of CLAS 010, with increased emphasis on reading. Prerequisite: CLAS 010.

**CLAS 012. Intermediate Greek III. 3 crs.** Review of the language and selected readings. Prerequisite: two or three units of secondary Greek or CLAS 011.

**CLAS 013. Intermediate Greek IV. 3 crs.** Includes the reading of selections from major authors. Prerequisite: Three or four units of secondary Greek or CLAS 012.

## ***Courses in English Translation***

**CLAS 014. Introduction to Humanities I. 3 crs.** The first part of a two-semester core course for freshmen, designed to enhance their understanding of great and enduring themes of humanistic inquiry. Students read literary and philosophical works of major historical significance and value from a contemporary viewpoint. Students explore themes such as cultural collision and resolution, concentrating on various aspects of the epic tradition. Satisfies Divisional Studies A requirement.

**CLAS 015. Introduction to Humanities II. 3 crs.** The second part of a two-semester core course for freshmen. In this course students study the relationship of the self to the other, with all its attendant considerations, and concentrate on generic distinctions between comedy and tragedy in drama, autobiography, and fiction. Satisfies Divisional Studies A requirement.

**CLAS 016. Ideas in Antiquity. 3 crs.** This course focuses on the study of various major themes in the study of the ancient world. Consistent with the interests of the instructor, the emphasis will fall on those literary, philosophical, historical, and political

texts which are pertinent to an investigation of notions such as gender, the hero, freedom, religion, justice, and so on. Satisfies Divisional Studies A requirement.

**CLAS 030. Vocabulary Building. 3 crs.** Systematic study of Greek and Latin elements of English words, the history of English words, and principles of word formation. Develops the student's ability to interpret unfamiliar words in context.

**CLAS 032. Ancient Medicine. 3 crs.** Systematic study of Greek and Latin elements found in medical terminology, together with the principles of word formation. This etymological aspect is placed within the broader context of the origins and evolution of ancient medicine. Recommended for students who anticipate careers in medicine.

**CLAS 033. Legal Terminology. 3 crs.** Systematic study of Greek and Latin elements found in modern legal terminology, together with the principles of word formation. Develops the student's ability to recognize and interpret legal terms in context. Recommended for students who anticipate careers in law or government.

**CLAS 079. General Lit. Honors. 3 crs.** An intensive study and discussion of classical texts that have been chosen for their significance to the development of what has come to be called western culture. The main objective is to consider particular conceptions of what it means to be human and to consider the place of such conceptions in the development of critical thought. Participation is limited to students in the COAS Honors Program. Division A Course.

**CLAS 081. Honors Humanities Seminar I. 3 crs.** This course will cover the history of Israel from Biblical through Roman times as a context for the emergence of Christianity. Participation is limited to students in the COAS Honors Program. Division A Course.

**CLAS 082. Honors Humanities Seminar II. 3crs.** An exploration of nature and origins of apocalyptic thinking, beginning with 2<sup>nd</sup> Temple Jewish and early Christian texts. The second half of the seminar focuses on modern expressions of apocalypticism in religion, politics, literature, film, and popular culture. Participation is limited to students in the COAS Honors Program. Division A Course.

**CLAS 085. Directed Reading for Sophomore Honors. 1 cr.** A supervised study on a topic chosen in conjunction with an appropriate faculty supervisor.

**CLAS 089. Directed Reading for Junior Honors. 1 cr.** A supervised study on a topic chosen in conjunction with an appropriate faculty supervisor.

**CLAS 092. Senior Departmental Honors. 3 crs.** Open to students in the COAS Honors Program. A supervised study on a topic chosen in conjunction with an appropriate faculty supervisor.

**CLAS 093. Senior Departmental Honors. 3 crs.** Open to students in the COAS Honors Program. A supervised study on a topic chosen in conjunction with an appropriate faculty supervisor.

**CLAS 101. Greek Literature in English. 3 crs.** This course offers a cultural and intellectual history of Ancient Greece through readings of its surviving literature. Students examine some of the major works of Greek literature and the Greek contribution to epic and lyric poetry, tragic and comic drama, historiography, philosophy, and science. All works are read in English translation. Satisfies Divisional Studies A requirement.

**CLAS 102. Roman Literature in English. 3 crs.** This course offers a cultural and intellectual history of Ancient Rome through readings of its surviving literature. Students examine some of the major works of Roman literature and the Roman contribution to epic and lyric poetry, tragic and comic drama, historiography, philosophy, and science. All works are read in English translation. Satisfies Divisional Studies A requirement.

**CLAS 103. Classical Art. 3 crs.** An introduction to the art and archaeology of the ancient cultures of Greece and Italy. Students first study the development of the Greek art from the Bronze Age to the Hellenistic period. Students then study then examine the artistic, architectural, and engineering achievements of the ancient Romans, from foundation of Rome to the Christian period.

- CLAS 104. Greek Civilization. 3 crs.** A survey of ancient Greek culture from the Bronze Age (ca. 2000 bce) to the time of Alexander the great (ca. 300's bce). The course examines the evolution of Greek society, art, literature, and material culture in the historical context of political and cultural developments.
- CLAS 105. Roman Civilization. 3 crs.** An introduction to the history of Rome from the founding (Monarchy) through the period of the Republic and culminating in the establishment of the Empire. Focus on, among other topics, political, social, legal, religious developments mainly through the close reading of primary source materials.
- CLAS 106. Leadership in the Ancient World. 3 crs.** A study of the problems of leadership and the theoretical solutions as understood by the ancient Greeks and Romans. Develops the students' ability to judge individual leaders, analyze the benefits and responsibilities of leadership, and become better leaders themselves.
- CLAS 108. Greek Drama in English. 3 crs.** An introduction to the genre of Greek tragedy, taught in translation. The course examines the origins and performance context of tragedy, in addition to the particular styles and dramatic techniques of the three major tragedians Aeschylus, Sophocles, and Euripides.
- CLAS 109. Classical Mythology. 3 crs.** A study of the origins and development of Greek and Roman mythology, heroic legend, and folktale. Myths are studied within the context of ancient culture, considering such issues as their relation to foreign material, as well as their ability to convey cultural ideals, power structures, class hierarchies, political ideologies, religious beliefs, etc.
- CLAS 111. Satire and Comedy. 3 crs.** An introduction to the various forms of humor that existed in the ancient Mediterranean world, in particular Greek comedic performance and Roman satirical writing. Texts are studied in translation, as a way to examine ancient theories of humor, entertainment, and social commentary.
- CLAS 112. Law and Politics in the Ancient World. 3 crs.** This course studies various topics related to law, politics, and rhetoric in the Ancient world. Satisfies Divisional Studies B requirement.
- CLAS 113 Gender in Antiquity. 3crs.** An examination of the cultural constructions of women and men and the ideologies of gender difference that determined the way men and women of ancient Greece and Rome thought about themselves and each other. The course considers the difference between ideology and "daily life" by juxtaposing what can be known of historical reality with conceptualizations in selected surviving texts.
- CLAS 114. Love in Antiquity. 3 crs.** Theoretical and historical analysis of seminal prose and poetic texts on love from the ancient Mediterranean world with emphasis on recurring themes and motifs in erotic texts from antiquity through modernity. Satisfies Divisional A requirement.
- CLAS 115. Slavery in the Ancient World. 3 crs.** An introduction to the theory and practice of slavery in antiquity with the main focus on the institution of slavery in Rome. The topic will be examined via diverse texts and disciplines; e.g., religion, law, literature, philosophy. Also an examination of the impact and connections of ancient slavery to the institution in the New World.
- CLAS 118. Directed Readings. 3 crs.** A program of reading, discussion and examination on a specific area of study chosen with an appropriate faculty advisor. This course cannot be repeated for credit with a different topic.
- CLAS 137. Special Topics in Greek. 3 crs.** A supervised course of study on a Greek text or broader topic, designed in coordination with an appropriate faculty advisor.
- CLAS 148. Roman Historians: Latin. 3 crs.** A supervised course of study on Roman historiography and the specific works of the major Roman historians, designed in coordination with an appropriate faculty advisor.
- CLAS 152. Latin Prose Composition. 3 crs.** Solidifies the student's knowledge of Latin syntax and style through intensive practice in writing Latin. Composition exercises are performed in tandem with selections from the prose masters, notably Caesar and Cicero. Open to students who have completed Latin 001-004 or equivalent.
- CLAS 153. Special Topics in Latin. 3 crs.** A supervised course of study on a Latin text or broader topic, designed in coordination with an appropriate faculty advisor.

**CLAS 157. Directed Readings in Latin. 3 crs.** A supervised course of study on a Latin text or texts, designed in coordination with an appropriate faculty advisor.

**CLAS 158. Directed Readings in Latin. 3 crs.** A supervised course of study on a Latin text or texts, designed in coordination with an appropriate faculty advisor.

**CLAS 167. Internship. 3 crs.** A course designed to provide students the opportunity to participate in an internship approved by the department. Designed in coordination with an appropriate faculty advisor.

**CLAS 168. Internship. 3 crs.** A course designed to provide students the opportunity to participate in an internship approved by the department. Designed in coordination with an appropriate faculty advisor.

**CLAS 171. Special Topics in Translation. 1 cr.** A supervised course of study on a classical text or texts (read in translation), designed in coordination with an appropriate faculty advisor.

**CLAS 702 Politics and the Past (Writing). 3 crs.** A study the intersection of history with political identity, focusing fifth century Athenian society, which defined itself through myth, assertions of what Athenians are not (difference), and what Athenians are (sameness).

**CLAS 703. Structure of Ancient Thought (Writing). 3 crs.** This course offers an examination of various topics in the history and structure of ideas (historical, philosophical, religious) in the Ancient World.

**CLAS 704. Plato's Republic (Writing). 3 crs.** This course offers a detailed examination of Plato's *Republic*.

**CLAS 705 Cleopatra: Ancient Realities and Modern Perceptions (Writing). 3 crs.** This course combines the methodologies of history, gender studies, and classical reception to contextualize Cleopatra into the history of her own times as well as to examine her legacy as a female and racist signifier in subsequent eras.

**CLAS 707. Introduction to Aristotle (Writing). 3 crs.** This course offers a general introduction to the philosophy and thought of Aristotle.

**CLAS 711. Stoics and Epicureans (Writing). 3 crs.** This course is focused on the study of Hellenistic Philosophy, primarily that of the Stoics and Epicureans, though ancient Skepticism will also be covered. This material forms some of the background essential to later developments, including the philosophical religions of the Roman Empire, Christianity, and Neoplatonism (both Christian, Arab, and Jewish).

**CLAS 718. Comparative Mythology (Writing). 3 crs.** A comparative study of the ancient myths and traditions of the Sumerians, Babylonians, Hebrews, Greeks, Indians, and Romans. The course examines myths of human origins, social relationships, and conceptions of heroism.

**CLAS 722. Satire and Comedy (Writing). 3 crs.** An introduction to the various forms of humor that existed in the ancient Mediterranean world, in particular Greek comedic performance and Roman satirical writing. Texts are studied in translation, as a way to examine ancient theories of humor, entertainment, and social commentary.

## COMPREHENSIVE SCIENCES

**COMP 001. Life Sciences Lecture-Laboratory. 3 crs.** This course explores the basic concepts of the biological (life) sciences. These concepts will be presented through the examination of the principal characteristics that all living things (bacteria, protozoa, fungi, plants, animals) have in common (*i.e.*, ecology, genetics, taxonomy, metabolism, evolution, reproduction and development, *etc.*). The lecture information *surveys* living systems on the chemical, cellular and organismal levels. The exploration is complemented by key laboratory applications and observations that will enable the students to recognize, comprehend and appreciate the complexities of biological organization that exist in nature.

**COMP 002. Planetary Science Lecture-Laboratory. 3 crs.** The planetary science course involves studies of astronomy (planets, stars, the universe) and geology (the earth). In geology, the principal features of planet earth such as size, shape, composition, motions are presented. How planet earth changes as a result of internal and external forces acting on it provides a topic of

interest. In astronomy, emphasis is on the other planets, the solar system and other celestial bodies that exist in the universe. Laboratory investigations involve the examination of various samples, planetarium visits and field trips to area geological sites and venues where technologically advanced telescopes can be used.

**COMP 003. Physical Science Lecture-Laboratory. 3 crs.** The basic principles of chemistry and of physics are covered in the course. Emphasis is placed on understanding these concepts and how they can be used to relate to every day phenomena. The inorganic and organic aspects of matter, the laws that govern their actions and the formulas that predict the activities of molecules comprise some of the information on basic concepts in chemistry. The laws of physics that govern the solid, liquid and gaseous states of matter are explored. Lecture topics include the foundations of science, principles/concepts/laws of motion, heat and temperature, energy, sound, light, atomic structure, organic and inorganic chemistry. Laboratory exercises include laboratory safety, measurements, law of pendulum, spectrophotometry, identification and physical property determination of substances and empirical formula determination of compounds.

**COMP 004. Computers and Society. 3 crs.** Computers and Society is an introductory course in computer science. Course activities include lectures, laboratory sessions, and discussions. Lecture material will cover vocabulary, applications, implications, communications and networks, history, and the future directions of computers. Assigned reading will be on the computer's impact on numerous aspects of society. Current events and popular computer topics such as the digital divide, privacy, identity theft and viruses will be presented. Students will explore and discuss how these and other topics affect their lives specifically and society overall.

**COMP 702. Planetary Science Lecture (WRTG). 3 crs.**

## **ECONOMICS**

**ECON 001. Principles of Economics I. 3 crs.** Introduction to macroeconomic analysis and its application to the American economic system. Includes such major topics as the economic role of government, the banking system, the determination and measurement of national income, economic growth, and elements of monetary and fiscal policies.

**ECON 002. Principles of Economics II. 3 crs.** Continuation of Principles I. Considers the problem of scarcity and allocation of resources in a free enterprise economy, with special emphasis on the pricing behavior of business firms and households.

**ECON 132. Political Economy. 3 crs.** Examination of the links between economic and political processes, along with an extension of economic theory beyond its traditional boundaries in order to consider the various political processes through which economic processes are either altered or transformed.

**ECON 170. Intermediate Microeconomic Theory. 3 crs.** Study of the price system in a market-oriented economy, with special emphasis given to theories relating to the consumer and firm behavior. Prerequisite: ECON 002 and MATH-026.

**ECON 171. Intermediate Macroeconomic Theory. 3 crs.** Builds upon the material covered in ECON 001 and examines in greater depth the tools of macroeconomic analysis and how they may be used to analyze the interaction between such macroeconomic variables as private consumption, private investment, public spending, money supply, inflation, and unemployment. Prerequisite: ECON 001; MATH-026.

**ECON 172. Industrial Relations. 3 crs.** General course in labor problems which examines the basic character of the problems involved in the determination and administration of wages. Prerequisite: ECON 002.

**ECON 173. Collective Bargaining, Public Policy. 3 crs.** Deals with the development, analysis, and significance of collective bargaining; labor and employer organization and public policy toward unionism and collective bargaining.

**ECON 174. Labor Law and Social Legislation. 3 crs.** Considers the matter of government intervention in industrial relations and analyzes cases relating to the following areas: criminal conspiracy and other early doctrines, subversive activities, application of the Sherman Act, the legality of economic tactics employed by labor and management, bargaining rights, wage-hour legislation, fair employment practices, and civil rights.

**ECON 175. History of Economic Thought. 3 crs.** Survey of the history of economic thinking from ancient Graeco-Roman economics to the classical school, including criticism and the consequences of their influence upon the evolution of neoclassical doctrines and the development of present economic thought. Prerequisite: ECON 001.

**ECON 177. Growth of the American Economy. 3 crs.** Concerns the process of economic growth from the colonial period to the present day, stressing the interrelationships of changes in various sectors. Prerequisites: ECON 001 and ECON 002.

**ECON 180. Statistics for Business and Economics. 3 crs.** Examines basic statistical methods and their use for economics and business, including averages, measures of dispersion, testing hypotheses, elementary probability theory, index number, time series analysis, and simple correlation, with emphasis placed on descriptive statistics.

**ECON 182. Mathematics for Economics. 4 crs.** Includes calculus, matrix algebra, and maximization problems, with applications for economics problem solving. Prerequisite: MATH-006.

**ECON 183. Mathematical Economics. 3 crs.** Mathematical exposition of the basic theories of economic behavior. Prerequisite: ECON 182 or MATH-026.

**ECON 184. Introduction to Econometrics. 3 crs.** Introduction to econometric theory and techniques. First part of the course deals with theory of the two-variable regression model and technical practices of its application. Extension to a three-variable model illustrated and analyzed. Special topics such as use of lagged and dummy variable, and problems such as multicollinearity, autocorrelation, and hetero-skedasticity are considered. Prerequisites: ECON 181, ECON 183, and MATH-026.

**ECON 185. Labor Economics. 3 crs.** Analysis of institutions concerned with utilization of human resources; the growth, organization, and objectives of management and trade unions; and major labor issues and problems, including those connected with collective bargaining. Prerequisites: ECON 001 and ECON 002.

**ECON 186. Economic Development in Africa. 3 crs.** Survey of economic issues in Africa, including an analysis of the transition to a market economy; the development of trade, industry, and agriculture; and the theory and policy of economic development and planning. Prerequisite: ECON 194.

**ECON 187. Comparative Economic Systems. 3 crs.** Presents the theories, programs, and practices of the principal economic systems, with special reference to countries that are heavily dependent on market mechanisms and to countries that rely strongly upon central command. Prereqs: ECON 001 and ECON 002.

**ECON 188. The Economics of Black Community Development. 3 crs.** Economic analysis of the problem of rapid technological change under the condition of oligopolistic pricing and the effects upon the well-being of the labor force, with particular reference to the black community. Special attention is given to the problem of economic and financial reorganization of the ghetto economy, together with the problem of shifting to labor-using capital expansion to create employment and raise real income in the black-owned sector. Prerequisites: ECON 001 and ECON 002.

**ECON 189. Industrial Organization. 3 crs.** Examines the organization of American industry under various states of the market, including antitrust cases. Prerequisites: ECON 170 and ECON 171.

**ECON 190. Public Finance. 3 crs.** Designed to acquaint students with the role of the government (federal, state, and local) in the economy. Fundamentally aims to equip students with the prevailing theories and practices of fiscal institutions in our economy, with emphasis on their allocation, distribution, and stabilization functions. Prerequisite: ECON 001.

**ECON 191. International Economics. 3 crs.** Discusses such topics as national specialization and international exchange, the significance of international trade to various countries, financial problems, economic development, and common markets. Prerequisites: ECON 001 and ECON 002.

**ECON 192. International Commercial Policy. 3 crs.** Examines the problems of free trade and protectionism and their changes through history. Prerequisite: ECON 191.



**ECON 193. The Economics of Decision Making. 3 crs.** Concerns decision making in a complex industrial model, the negotiated market model, and the centralized model. The following questions are considered in the different models: Who makes the decisions? For whom and toward what goals are these decisions made? What is the structure of the decision-making hierarchy? How are decisions made? What variables are manipulated in the execution of decisions? Prerequisites: ECON 170 and ECON 171.

**ECON 194. Theory of Economic Development. 3 crs.** Treats the theories, models, and patterns of economic development of advanced and less developed economies and analyzes the economic and noneconomic variables that influence economic development, including some historical theories and approaches to economic development. Prerequisites: ECON 001 and ECON 002.

**ECON 195. Money and Banking. 3 crs.** Introduction to the study of money, credit, interest rates, and banking, both within and outside of the FRS, with major emphasis on the structure and operations of commercial banks and activities of the FRS. Prerequisite: ECON 001.

**ECON 196. Monetary Analysis. 3 crs.** Designed to acquaint the student with the principles of monetary theory and this application to the economy; examines the theory of money supply and demand and its effects on macroeconomic models. Prerequisites: ECON 195 and ECON 171.

**ECON 197. Economic Problems of Western Europe. 3 crs.** Analysis of the development of the economies of Western Europe with special reference to the period following World War II. Prerequisite: ECON 001.

**ECON 199. Introduction to Urban Economics. 3 crs.** Analysis of the special economic problems of urban regions, e.g., growth and development, a hierarchy within a system of urban regions, housing, transportation, urban poverty, and local public finance. Emphasis is on the economics of the spatial order within and among urban regions. Prerequisites: ECON 001 and ECON 002.

**ECON 701. History of Economic Thought (WRTG). 3 crs.**

**ECON 788. Economics of Black Community Development. 3 crs.**

**ECON 799. Intro to Urban Economics (WRTG). 3 crs.**

### *Honors Courses in Economics*

**Economics ECON 084/085. Directed Readings for Sophomores.** (1 hr. each semester.) Prerequisite: cumulative GPA of 3.2

**Economics ECON 088/089. Directed Readings for Juniors.** (1 hr. each semester.) Prerequisite: cumulative GPA of 3.2

**Economics ECON 092/093. Senior Departmental Honors.** (3 hrs. each semester.) Prerequisite: cumulative GPA of 3.2

### **ENGLISH**

**ENGL 002. Freshman Composition. 3 crs.** Designed to develop the student's ability to express ideas clearly and effectively in writing and to read with perception and accuracy.

**ENGL 003. Freshman Composition. 3 crs.** Intended to increase the student's ability to write effectively, to read critically, and to present ideas logically.

**ENGL 009. Technical Writing, Pre-Professional. 3 crs.** Structured to develop the written and oral communication skills that students need for effective preparation for technical information. Prerequisite: ENGL 003.

**ENGL 010. Technical Writing for Pre-Law Students. 3 crs.** Structured to help the student develop those reading, analytical, and writing skills necessary for admission to and successful performance in Law School. Prerequisite: ENGL 003.

**ENGL 014. Introduction to Humanities I. 3 crs.** The first part of two-semester core course for freshmen designed to enhance their understanding of great and enduring themes of humanistic inquiry. Students read literary and philosophical works of major historical significance and value from a contemporary viewpoint. Students explore themes such as cultural collision and resolution, concentrating on various aspects of the epic tradition. Satisfies the Div. A requirement for freshmen.

**ENGL 015. Introduction to Humanities II. 3 crs.** The second part of a two-semester core course for freshmen. In this course students study the relationship of the self to the other, with all its attendant considerations, and concentrate on generic distinctions between comedy and tragedy in drama, autobiography, and fiction. Prerequisite: 023-014. Satisfies the Div. A requirement for freshman.

**ENGL 054. African-American Literature to 1940. 3 crs.** Satisfies university-wide African-American cluster requirement.

**ENGL 055. African-American Literature from 1940 to the Present. 3 crs.** Satisfies university-wide African-American cluster requirement.

**ENGL 075. Composition for Honors I. 3 crs.**

**ENGL 076. Composition for Honors. Freshman II. 3 crs.**

**ENGL 084. Honors for Sophomores I. 1 cr.**

**ENGL 085. Honors for Sophomores II. 1 cr.**

**ENGL 088. Honors for Juniors I. 1 cr.**

**ENGL 089. Honors for Juniors II. 1 cr.**

**ENGL 092. Honors for Seniors I. 3 crs.**

**ENGL 093. Honors for Seniors II. 3 crs.**

**ENGL 104. Sophomore Seminar I: Introduction to English Studies. 3 crs.** Introduces English majors and minors to methodologies of close reading that reveal the rich complexity of literary texts and provide an appreciation of the way those texts signify in relation to their aesthetic, social, and historical contexts. Required for English majors and minors. \*This course must be taken in residence; no transfer credit will be accepted for this course.

**ENGL 105. Sophomore Seminar II: Theories of Interpretation.** The second part of the required two-semester introductory sequence for English majors and minors, this course is designed to give students guided opportunities to acquire effective methods of writing literary analyses informed by current critical theory, including African-American critical strategies and intellectual discourses. Prereq. ENGL-104 with grade of "C" or higher. \*This course must be taken in residence; no transfer credit will be accepted for this course.

**ENGL 110. Language Foundations. 3 crs.** Provides foundational knowledge of the principles and methods of language analysis. Prereq. ENGL-104 with "C" or higher or concurrent enrollment in ENGL-104.

**ENGL 111. African American Literary Foundations. 3 crs.** Provides a context for understanding African-American literary production and critical theory by examining representative African-American literary discourses from the colonial period to the present; includes consideration of the contribution of the African-American folk tradition to the creative process.

**ENGL 112. American Literary Foundations. 3 crs.** Introduces students to the major texts, genres, periods, authors and ideas that make up the literature of what becomes the United States, from its origins to the present.

**ENGL 113. British Literary Foundations. 3 crs.** Introduces students to texts exemplary of key moments, movements, and discourses marking the development of the British literary tradition from the medieval era to the modern age, with emphasis on

the cultural dynamics and literary modes affecting the literary production of British writers from various cultures who use English to express themselves.

**ENGL 114. College Grammar. 3 crs.** Presents an advanced comprehensive examination of English grammar, with special emphasis on terminology and constructions, the historical background of modern English grammar, and the contributions of the traditional, the structural, and the transformational-generative theories of grammar. College Grammar is neither a remedial nor a review course. Prerequisite: ENGL 003.

**ENGL 127. Creative Writing: Fiction. 3 crs.** Designed for those students who have special literary projects they wish to present for criticism and refinement. Prerequisite: ENGL 003.

**ENGL 128. Creative Writing: Poetry. 3 crs.** See ENGL 127 for description. Prerequisite: ENGL 003.

**ENGL 129. The Art of the Essay. 3 crs.** Designed to help students review the theory and practice of traditional patterns of exposition and to improve their style and precision of thought and expression. Prerequisite: ENGL 003.

**ENGL 130. Rhetoric: Theory and Practice. 3 crs.** Uses critical analysis of exemplary argumentative writing as well as classical and modern rhetorical theories to teach strategies for writing argumentative or persuasive essays, specifically including those requiring researched evidence. ENGL-114 is strongly recommended.

**ENGL 140. Drama Across Cultures. 3 crs.** A cross-cultural genre course. Focuses on understanding the essential features of drama both ancient and modern from a variety of cultures, which may include European, American, African, African-American. Satisfies the period/cross-cultural genre course requirement for English majors.

**ENGL 141. Poetry Across Cultures. 3 crs.** A cross-cultural genre course. From the ritual chants to the epic, from the African praise song to the sonnet, this course focuses on the choices of style and genre that offer specific creative and interpretative possibilities to the poet. Satisfies the period/cross-cultural genre course requirement for English majors.

**ENGL 142. Prose Fiction Across Cultures. 3 crs.** A cross-cultural genre course. The course will sample the prose fiction of a wide variety of authors—for example, Aesop, Charles Dickens, Ralph Ellison, Christina Garcia, Chinua Achebe, Toni Morrison—in order to arrive at an essential understanding of the genre and a selection of sub-genres (for example, fable, short story, novel, novella). Satisfies the period/cross-cultural genre course requirement for English majors.

*THE 200 DESIGNATION OF THESE COURSES SIGNIFIES THAT THEY ARE TAUGHT AT AN ADVANCED LEVEL, FOCUS ON SPECIALIZED TOPICS, REQUIRE SUBSTANTIAL RESEARCH, AND ASSUME COMPETENT WRITING SKILLS. ENGL 104 and 105 (with grade of "C" or higher) are prerequisites for all courses above the 200 level.*

**ENGL 201. Major American Author: Langston Hughes. 3 crs.** An advanced course that provides an intensive scholarly study of the texts of a single author (Douglass, Swift, Morrison, Shakespeare, among others) within their formal and cultural contexts; requires a research paper of substantial length (15 page minimum). One major author course is required for English majors; at least one major author will be offered each semester. The Foundation course (ENGL-111, ENGL-112, or ENGL-113) relevant to the particular author is strongly recommended.

**ENGL 202. Major Author: Shakespeare. 3 crs.**

**ENGL 204. African American Author. 3 crs.**

**ENGL 205. African American Playwright. 3 crs.**

**ENGL 206. Major Author: Octavia Butler. 3 crs.**

**ENGL 209. British Author. 3 crs.**

**ENGL 210. Early African-American Literature. 3 crs.** An advanced course that examines African-American literature from its earliest beginnings to the texts of the first decades of the twentieth century. Satisfies the period/cross-cultural genre requirement for English majors. ENGL-111 is strongly recommended.

**ENGL 211. African-American Realism, Naturalism, and Modernism. 3 crs.** An advanced course that examines African-American literature from the Harlem Renaissance to the 1960s, including but not limited to texts written by authors of the Harlem Renaissance, as well as Hayden, Brooks (early), Petry, Ellison, Wright, Baldwin, and Hansberry. Satisfies the period/cross-cultural genre requirement for English majors. ENGL-111 is strongly recommended.

**ENGL 212. African-American Literature from the Black Arts Movement to the Present. 3 crs.** An advanced course that examines African-American literature from the Black Arts Movement of the late 1960s to contemporary writing. Satisfies the period/cross-cultural genre requirement for English majors. ENGL-111 is strongly recommended.

**ENGL 213. African-American Drama. 3 crs.** An advanced course that surveys the development of African-American drama. ENGL-111 is strongly recommended.

**ENGL 214. African-American Poetry. 3 crs.** An advanced course that analyzes the poetry and poetics of major African-American writers. ENGL-111 is strongly recommended.

**ENGL 215. African-American Fiction. 3 crs.** . Analysis of the prose fiction genre as practiced by African-American writers. ENGL-111 is strongly recommended.

**ENGL 216. Folklore of the African Diaspora. 3 crs.** Examines oral traditions of the African Diaspora with attention to cultural and historical contexts. ENGL-111 is strongly recommended.

**ENGL 217. African Literature. 3 crs.** A selective survey of the literature of continental Africa, from ancient oral epics, tales, and poems to the postcolonial prose fiction, drama, and poetry of the past four decades. Readings will include works by authors such as Leopold Senghor, Amos Tutuola, Chinua Achebe, Wole Soyinka, Ngugi wa Thiong'o, Okot p'Bitek, Mariama Ba, Buchi Emecheta and Alex LaGuma.

**ENGL 225. Modern Caribbean Literature. 3 crs.** Introduction to the literature of the Caribbean people, and its historical, cultural, and social contexts.

**ENGL 226. Caribbean Author. 3 crs.** An advanced course that examines the writings and cultural contexts of a single Caribbean author in depth. Satisfies the major author requirement for English majors.

**ENGL 227. Caribbean Genre. 3 crs.** An advanced course that looks at one of the genres used by Caribbean authors, such as prose fiction, poetry, drama, autobiography, or hybrid modes based in folk form and orality.

**ENGL 231. American Realism and Naturalism. 3 crs.** Examines the efforts of both Black and White writers in the late nineteenth century to form a literature expressive of the "New America" resulting from the revolutionary changes brought about by Emancipation, Reconstruction, industrialization, immigration, and urbanization. Satisfies period/cross-cultural genre course requirement for English majors. ENGL-112 is strongly recommended.

**ENGL 232. 20<sup>th</sup> Century and Early 20<sup>th</sup> Century American Literature. 3 crs.** Addresses the impact of wars, economic depression, racial conflict, changing gender definitions, views of religion, and other historical shifts that produced the distinctive writings of such authors as Faulkner, Hemingway, McCullers, Steinbeck, Welty, O'Connor, Ellison, Baldwin, Morrison, and others. Satisfies the period/cross-cultural genre course requirement for English majors. ENGL-112 is strongly recommended.

**ENGL 233. Genres in American Literature: Graphic Novel. 3 crs.**

**ENGL 234. Genre in American Literature. 3 crs.**

**ENGL 235. Genre in American Literature. 3 crs.**

**ENGL 237. Genres in American Literature: Drama. 3 crs.**

**ENGL 239. American Drama. 3 crs.**

**ENGL 241. Early Modern British Literature. 3 crs.** Examines the cultural-literary developments from the Medieval Period to the advent of printing, continuing through the English Civil War in the mid-seventeenth century. Includes writers such as Margery

Kempe, Geoffrey Chaucer, Queen Elizabeth, Christopher Marlowe, and William Shakespeare. Religious controversy, early feminist discourse, theories of government, and the impact of imperialism are themes that may be treated. Satisfies the period/cross-cultural genre course requirement for English majors. ENGL-113 is strongly recommended.

**ENGL 242. The Age of Revolution: British Literature 1660-1800. 3 crs.** Focuses on the changes British literature resulting from the emergence of a print culture in England that empowered new categories of writers (middle class citizens, women and Africans) and promoted for new literary genres (novel, periodical essay, biography, and autobiography). Satisfies the period/cross-cultural genre course requirement for English majors. ENGL-113 is strongly recommended.

**ENGL 243. British Romantic Sensibilities. 3 crs.** Study of major issues and debates in English life and culture reflected in the literature of the first half of the nineteenth century. Satisfies the period /cross-cultural genre course requirement for English majors. ENGL-113 is strongly recommended.

**ENGL 244. Victorian Life and Literature. 3 crs.** Study of major discourses and their participants in British literature from 1832 to 1901. Satisfies the period/cross-cultural genre course requirement for English majors. ENGL-113 is strongly recommended.

**ENGL 245. Modern and Post-Colonial British Literature. 3 crs.** Study of major writers and significant trends in British writing from 1901 to the present, with special emphasis on writing by Black Britons. Satisfies the period/cross-cultural genre course requirement for English majors. ENGL-113 is strongly recommended.

**ENGL 246. Genres in British Literature: Drama. 3 crs.**

**ENGL 247. British Drama. 3 crs.**

**ENGL 248. Genres in British Literature. 3 crs.**

**ENGL 250. Comparative Literature. 3 crs.** Introduction to the history, theory, and practice of comparative literature, with attention to such topics as literary movements, genre formation, constructions of gender, interdisciplinary relations. Focusing on major texts, the course develops abilities to do comparative analysis.

**ENGL 261. Topics in Linguistics. 3 crs.** The course could focus on topics such as Linguistics and Literary Criticism, American English Dialects, African-American Vernacular English. ENGL-110 is strongly recommended.

**ENGL 262. Topics in Linguistics. 3 crs.**

**ENGL 263. Topics in Linguistics. 3 crs.**

**ENGL 271. Topics in Literary Criticism. 3 crs.** An advanced course that will focus on a particular critical issue and/or approach, such as The Politics of the Canon, Post-Colonial Criticism, Narratology, African-American Criticism, or examine in depth the theory, method, and applications of one or two major critics, such as Michel Foucault, Roland Barthes, Henry Louis Gates, or Barbara Christian.

**ENGL 272. Topics in Literary Criticism. 3 crs.**

**ENGL 273. Topics in Literary Criticism. 3 crs.**

**ENGL 280. Black 18<sup>th</sup> Century Writers. 3 crs.**

**ENGL 282. Bible as Literature. 3 crs.**

**ENGL 283-289. Topics in Literature & Writing. 3 crs.** Some of the possibilities for special literary topics include "Women Writers," "The Bible as Literature," "The Blues and Literature"; interdisciplinary studies linking music or art with literature; or an intensive study of one major text like *Invisible Man*, *Paradise Lost*, *Gulliver's Travels*, or *Their Eyes were Watching God*. Possibilities for special topics in writing might include Ethnographic Writing, Advanced Argumentation, Persuasive Rhetoric, and so forth. Taught at an advanced level, these courses require extensive research.

**ENGL 290. Principles of Editing. 3 crs.** An advanced writing course. Teaches students to edit writing produced by themselves or others by employing strategies from linguistics, rhetoric, and literature; introduces students to professional proofreading symbols. By the end of the term, successful students will be able to identify ineffective strategies or styles and know how to correct them. Prereq. ENGL-110 or ENGL-114 is strongly recommended.

**ENGL 291. Writing Critical Reviews. 3 crs.** An advanced writing course that considers the critical review as a genre. Develops the skills necessary to write reviews of contemporary literary, film, or dramatic performances; emphasizes critical writing and artistic appreciation and evaluation; includes exemplary and theoretical readings. Attendance at performances may be required.

**ENGL 293. Teaching English in Secondary School. 3 crs.** Students will be exposed to theoretical studies and practical application of a variety of approaches to the teaching of genre, writing, grammar, and language history at the secondary level. Course activities reflect the current emphasis on the use of technology in the classroom as well as on the role of the teacher as researcher. Requirements include the preparation of lesson plans, visits to classes in designated local secondary schools, and culminating written projects. Designed for juniors and seniors who will be student teaching.

**ENGL 295. Creative Writing Workshop. 3 crs.** An advanced course that develops the student's creative writing abilities in a workshop setting. Portfolio submission required.

**ENGL 296. Senior Thesis. 3 crs.** Provides an opportunity for independent research on a literary topic of a student's choice; offers experience in writing a lengthy researched essay (25-35 pages) in preparation for the demands of graduate school or professional life. Honors for Seniors I or II serve as functional equivalents to Senior Thesis.

## **HEALTH, HUMAN PERFORMANCE & LEISURE STUDIES**

**HHPL 002. Beginning Swimming. 1 cr.** Designed to teach individuals to swim, including such basic skills to make them safe in deep water as floating in a prone position as well as supine position, breath control, and rhythmic breathing.

**HHPL 003. Advanced Beginning Swimming. 1 cr.** Increases the skill of the individual by adding to skills learned in the beginner's course and prepares the student for additional water safety training by introducing skills that improve stamina and basic coordination.

**HHPL 004. Intermediate Swimming. 1 cr.** Provides the student the opportunity to learn the elements of good swimming.

**HHPL 005. Golf. 1 cr.**

**HHPL 007. Volleyball. 1 cr.** Designed to develop a thorough knowledge of volleyball skills, rules, and procedures; embodies individual skills and team skills.

**HHPL 009. Slimnastics. 1 cr.** Develops proper body alignment producing improved motor mechanics, poise and elasticity of movement.

**HHPL 010. Soccer. 1 cr.**

**HHPL 011. Weight Training. 1 cr.**

**HHPL 013. Slimnastics II. 1 cr.** An Aerobics exercise course incorporating a variety of exercises that stimulate heart and lung activity for a time period to produce beneficial changes in the body - running, walking, swimming, rope jumping, jogging, etc.

**HHPL 014. Elementary Judo. 1 cr.** Develops the fundamental abilities required in all aspects of Judo training including the technical, physical, and mental components.

**HHPL 016. Elementary Tae Kwon Do. 1 cr.** Develops the fundamental techniques and abilities required in all aspects of Tae Kwon Do including the technical, physical, and mental components.

**HHPL 017. Intermediate-Advanced Tae Kwon Do. 1 cr.** Designed to further develop the techniques in all aspects of Tae Kwon Do on an advanced level. Prerequisite: PHED 016

**HHPL 021. Badminton. 1 cr.** Provides the student with the basic knowledge, understanding, and skill necessary as a life time activity.

**HHPL 030. Athletic Coaching. 3 cr.** Causes the student to move a dependent role in sports and athletics to a leadership role as a coach or game official.

**HHPL 034. Restrictive Activity. 1 cr.**

**HHPL 035. Restrictive Activity II. 1 cr.**

**HHPL 037. Restrictive Activity III. 1 cr.**

**HHPL 038. Restrictive Activity IV. 1 cr.**

**HHPL 039. Badminton II. 1 cr.** This course is designed to build upon the basic fundamental skills of the game. It provides opportunity for skill refinement, analyzation and competitive preparation.

**HHPL 048. Exercise and Wellness. 1 cr.**

**HHPL 050. Methods of Teaching Team Sports I. 1 cr.** Designed for major students to teach methods and techniques of team sports.

**HHPL 052. Methods of Teaching Individual Sports. 1 cr.** This class is designed to prepare the student to teach individual sports. The student will learn various means of organizing a class for particular sports, developing teaching procedures, analyzing movement patterns and evaluating student performance.

**HHPL 053. Fitness I (Special). 1 cr.**

**HHPL 054. Fitness I. 1 cr.** This course is designed to develop a thorough knowledge of fitness which includes measurements and evaluation of one's present state of physical fitness, variables affecting physical fitness and plan and follow a lifelong individualized program.

**HHPL 055. Fitness II. 1 cr.**

**HHPL 056. Fitness II (ROTC). 1 cr.**

**HHPL 057. Aerobic Dance Fitness. 1 cr.** Works on flexibility, strength, but mainly on the cardiovascular system. Knowledge about health and fitness given.

**HHPL 058. Water Aerobics. 1 cr.**

**HHPL 061. Pilates. 1 cr.**

**HHPL 102. Human Anatomy (Majors only). 3 crs.** Concerns the fundamental understanding of the body's basic anatomical functions and structure.

**HHPL 103. Human Physiology. 3 crs.** Designed for major students, the course is concerned with the fundamental understanding of the body's basic physiologic mechanism.

**HHPL 104. Kinesiology. 3 crs.** Teaches fundamental principles, mechanics, balance, and muscular action that are basic to the analysis of movement, sports, and individual activities. Prerequisites: PHED 102 and PHED 103.

**HHPL 106. Disease Prevention and Health Promotion. 3 crs.**

**HHPL 107. Exercise Physiology I. 3 crs.** Outlines the physiological bases of physical recreation and the place of exercise in the development of strength, speed, skill, and endurance. Prerequisites: PHED 102, PHED 103, and PHED 104.

**HHPL 108. Human Anatomy Laboratory. 3 crs.** Designed to give the student an opportunity to work in the laboratory to study prosected cadavers, models and illustrative charts. Permission needed for enrollment. See instructor.

**HHPL 109. Methods and Directive Teaching in Physical Education. 3 crs.** Designed for students who are interested in teaching secondary physical education. This course will assist the beginning teacher to improve teaching methodology and techniques in various activities. Emphasis is also placed upon curriculum content, construction of daily lesson plans and course objectives based upon a systematic approach to learning.

**HHPL 111. Motor Learning and Skill Performance. 3 crs.** Teaches fundamentals and principles of movement methods and motor skills.

**HHPL 112. First Aid & CPR (Cardiopulmonary Resuscitation). 1 cr.** The general purpose of the first aid training provided by the content of the Standard First Aid course and the CPR course is to teach the knowledge and skills that are needed for the emergency care of the injured until a physician arrives and to create an active interest in the prevention of accidents through the elimination of their causes.

**HHPL 113. Adaptive Physical Education. 3 crs.** Acquaints students with organization and development of programs for the atypical student.

**HHPL 118. Athletic Training I. 3 crs.** An intensive introductory course on athletic injury care and prevention. Primarily focused toward the immediate assessment and treatment of the person and the person's injury.

**HHPL 125. Independent Study. 1-3 crs.** Major students during their senior year conduct research or seek to expand knowledge in a specific subject area with the guidance of an adviser.

**HHPL 130. Exercise Physiology II - Neuromuscular Aspects. 3 crs.** Designed to enable the student to develop a working knowledge of the neuromuscular aspects of exercise physiology. The effects of exercise on the structure and function of the neuromuscular system will be studied in detail in this course. The effects of ergogenic aids such as anabolic steroids on muscular strength will be studied. Nutrition for human performance and energy transfer in exercise will be investigated. The relative merits of isokinetic, isometric and isotonic strength training will also be examined. Upon completion of the course the student should have the ability to assess muscular strength and endurance, and then be able to prescribe individualized exercise programs for building muscular strength and endurance.

**HHPL 135. Sports Psychology. 3 crs.** Involves the examination of human behavior in the sports setting. Covers skill learning and performance common to both physical education and sport; the psychological factors affecting the learning and performance of physical skills and how individuals are affected by both internal and external factors.

**HHPL 139. Fitness Assessment and Exercise Prescription Practicum. 3 crs.** Designed to enable the student to gain practical exposure to the many facets of fitness assessment and exercise prescription. The course will be based on guidelines for exercise testing and prescription recommended by the American College of Sports Medicine. Students will be exposed to and/or participate in the administration of the following: exercise stress tests, EKG's, blood pressure screening, step test, muscular strength and endurance assessment, flexibility testing and other tests which are used to assess fitness. Students will prescribe, conduct and participate in fitness programs designed to elicit both aerobic and muscular training effects. Each student will be required to demonstrate a working knowledge of the "FITSCAN" computer program for assessing fitness and prescribing exercise. To fulfill the practicum requirement of the course, students will work in a center which deals with some aspect of the fitness industry.

**HHPL 140. Human Growth and Development. 3 crs.** Provides a study of the biological, psychological, and social factors which influence the growth and development of the individual.



**HHPL 141. Intro to Sports Management. 3 crs.**

**HHPL 144. Sports Law. 3 crs.**

**HHPL 145. Sports Marketing. 3 crs.** This course provides an understanding of sports and the marketing of events and products, and creates a moral practice and standard when targeting a product or population. Theory identification and practical involvement will be merged to enhance the experience and opportunity to contribute into the multi-billion dollar sports industry.

**HHPL 147. Sports and the Media. 3 crs.** Introduction to theory and practice of media forums and their relationship to the sports industry. Designed to give students an operational and technical foundation in research, print, broadcasting, and the impact of advertising and sales on production of a sports event. Guest lecturers from professional media entities, and opportunity for hands-on experiences.

**HHPL 148. Governance. 3 crs.**

**HHPL 149. Facility Planning and Design. 3 crs.** Course addresses the fundamentals of planning and design, emphasizing athletic, physical education, and recreation facilities in both rural and urban settings. Field trips and current trends in facility design and scheduling will also be explored.

**HHPL 150. Management and Leadership in Sports. 3 crs.**

**HHPL 151. Sports Management Internship. 3 crs.**

**HHPL 152. Methods and Materials of Health Education. 3 crs.** Offers information on theory, methods and materials used in health instruction in the secondary school and provides for practical classroom experience.

**HHPL 153. Human Sexuality. 3 crs.** Develops a functional graded vocabulary, a knowledge of key facts and basic concepts, wholesome attitudes and practices, and skill in the critical analysis of basic problems and issues as they relate to human sexuality.

**HHPL 157. Health Problems of Children and Youth. 3 crs.** Concerns the health needs of the child while at school; the responsibility of the teacher, physician, nurse and administrator.

**HHPL 158. Health Science for Peer Educators. 1 cr.**

**HHPL 159. Health Science. 1 cr.** Promotes healthier living through scientific knowledge in health, disease, mental and emotional functioning, chemical alteration and behavior, environmental health and family living.

**HHPL 160. Women's Health. 1 cr.** Deals with the physical and mental health of women. An examination of the physician-patient relationship, gynecological exams, vaginal infections, menstruation, cancer, marriage, rape, abortion, etc.

**HHPL 163. Foundation of Health Promotion. 3 crs.**

**HHPL 165. Health of Women, Children and Families. 3 crs.**

**HHPL 175. Controlling Stress & Tension. 1 cr.**

**HHPL 179. Community Health Internship – Majors Only. 9 crs.**

**HHPL 182. Sports Medicine Honors for Sophomores. 1 cr.**

**HHPL 183. Sports Medicine Honors for Sophomores. 1 cr.**

**HHPL 184. Sports Medicine Honors for Juniors. 1 cr.**

**HHPL 185. Field Work A – Health Education Majors. 1 cr.**

**HHPL 186. Field Work B – Health Education Majors. 1 cr.**

**HHPL 187. Field Work C – Health Education Majors. 1 cr.**

**HHPL 188. Sports Medicine Honors for Seniors. 3 crs.**

**HHPL 192. Direct Readings Honors for Juniors. 3 crs.**

**HHPL 193. Direct Readings Honors for Sophomores. 1 cr.**

**HHPL 220. Organization and Administration of HPER. 3 crs.** Designed to teach students the fundamentals of organization and administration in the delivery of physical education, school health and leisure services. Course covers topics such as leadership, communications, effective management and marketing. Time is also devoted to budget/fiscal practices, policy making, personnel management and training.

**HHPL 221. Financial Management for Leisure Services. 3 crs.** Analysis of budgeting, financial summaries, fiscal management policies and procedures, proposal writing, and taxation for recreation. The student will be exposed to purchasing, recreation debt administration, and to a brief introduction of the use of electronic data processing and financial management. Also covered are basic philosophy in principles, procedures and other aspects of administration.

**HHPL 247. Mind, Body and Sport. 3 crs.**

**HHPL 280. Sociology of Leisure. 3 cr.** An examination of the implications of the social organization and the role of individuals and groups on leisure environments.

**HHPL 706. History & Philosophy of PE (Writing). 3 crs.**

**HHPL 717. Role of Sport in Society (Writing). 3 crs.**

**HHPL 723. Intro to Research & Statistics (Writing). 3 crs.**

**HHPL 746. Ethics & Social Issues in Sports (Writing). 3 crs.**

**HHPL 755. Addictive Behavior (Writing). 3 crs.**

## **HISTORY**

**HIST 001. Introduction to the Study of Civilization I. 3 crs.** The study of civilizations, their institutions and social processes. Open to freshmen. Divisional Studies B.

**HIST 002. Introduction to the Study of Civilization II. 3 crs.** Continuation of HIST 001.

**HIST 003. Intro to History. 3 crs.**

**HIST 005. Introduction to the Black Diaspora. 3 crs.** Surveys the African background and linkage of people of African descent who have inhabited areas of the world outside of Africa and compares their respective cultural, economic, political and social experiences and activities down to the ending of slavery in the Americas in the 19th century.

**HIST 006. Introduction to the Black Diaspora. 3 crs.** Continuation of HIST 005 from the late 19th century to the present.

**HIST 009. United States History to 1877. 3 crs.** Presents the principal political, economic, social, and cultural developments in U.S. history from the American Revolution to the end of Reconstruction. Required of all history majors. Divisional Studies C.

**HIST 010. United States History Since 1877. 3 crs.** Continuation of HIST 009. Required of all history majors. Divisional Studies C.

**HIST 030. Introduction to African History I. 3 crs.** Study of the origins and development of African societies from the earliest times to about 1800.

**HIST 031. Introduction to African History II. 3 crs.** Continuation of HIST 030 to the present.

**HIST 032. Color, Race, Gender & Law in Modern Europe. 3 crs.**

**HIST 034. Colloquium: 19<sup>th</sup> Century US History. 3 crs.**

**HIST 035. Colloquium: 20<sup>th</sup> Century US History. 3 crs.**

**HIST 037. Colloquium: Public History. 3 crs.**

**HIST 040. Introduction to Latin American and Caribbean History I. 3 crs.**

**HIST 041. Introduction to Latin American and Caribbean History II. 3 crs.**

**HIST 043. Music, Culture & Black Protest. 3 crs.**

**HIST 044. Colloquium on the African Diaspora. 3 crs.**

**HIST 047. Colloquium on the History of Brazil. 3 crs.**

**HIST 048 Colloquium on African History. 3 crs.**

**HIST 070. Afro-American Film & Archives. 3 crs.**

**HIST 072. Topics: Africans in Latin America. 3 crs.**

**HIST 073. Topics: 20<sup>th</sup> Century West Indies. 3 crs.**

**HIST 077. Topics in History. 3 crs.**

**HIST 081. Introduction to Historiography. 3 crs.** Required course for history majors which introduces historical theory, methodology and practice.

**HIST 082. Senior Colloquium. 3 crs.** Relates the information acquired by students in specific courses by applying the comparative approach to a variety of issues central to the discipline of history. (Required of all history majors.)

**HIST 084. Directed Readings for Sophomores. 1 cr.** Intensive readings of representative works in major fields of history.

**HIST 088. Directed Readings for Juniors. 1 cr.** Intensive readings of representative works in major fields of history.

**HIST 089. Directed Readings for Juniors. 1 cr.** Continuation of HIST 088.

**HIST 092. Senior Departmental Honors. 3 crs.** Requires a major research paper to be drawn from intensive readings on a specific problem or issue.

**HIST 096. Internship in History. 3 crs.** Supervised participation in an office or agency concerned with the development of public history. Designed for students preparing for careers in public history.

**HIST 097. Internship in History (online). 3 crs.**

**HIST 101. World Geography. 3 crs.** Provides a background to other intensive studies of the earth's regions, climate, soils, vegetation, population, and economic and political factors.

**HIST 102. Economic Geography. 3 crs.** Analyzes the distribution of the world's economic activities, centers of primary production; and the geographic factors of transportation, trade, industry, and commerce.

**HIST 105. Political Geography. 3 crs.**

**\*HIST 109. United States Constitutional History to 1865. 3 crs.** Examination of the origins and development of the federal Constitution within the framework of American political, social, economic, and intellectual developments.

**\*HIST 110. United States Constitutional History Since 1865. 3 crs.** Study of the evolution and interpretation of the Constitution as influenced by political, social, economic, and intellectual developments since the Civil War.

**HIST 111. United States Foreign Relations to 1914. 3 crs.** Exploration of the patterns and principles of American foreign relations as influenced by both domestic and international developments.

**HIST 112. United States Foreign Relations Since 1914. 3 crs.** Treats the role of the United States as a world power and the socioeconomic and political forces and values underlying that role.

**HIST 119. History of the United States South to 1877. 3 crs.** Depicts the emergence of the South as a distinctive region with special economic, political, and social interests.

**HIST 120. History of the United States South Since the Civil War. 3 crs.** Explores the economic, social, and political aspects of the South and its relation to the nation after the Civil War.

**HIST 121. History of Colonial America. 3 crs.** Deals with the factors and problems of colonial settlement; imperial control; and the social, economic, and political growth of the colonies.

**HIST 123. The Jacksonian Era, Reform, and Sectionalism. 3 crs.** Treats the rise of nationalism, westward expansion, the changing economy, the emergence of sectionalism, and reform movements during the Jacksonian era.

**HIST 124. The Civil War and Reconstruction. 3 crs.** Study of the causes, leaders, and military campaigns of the Civil War and social, economic, and political developments from 1850 to 1877.

**HIST 125. Politics, Industrialization, and Reform, 1877-1920. 3 crs.** Study of populists, imperialism, progressives, and reform movements in general, with special emphasis on big business and politics and industrialism.

**HIST 126. The United States Since World War I. 3 crs.** Examination of the changing American social, political, economic, and cultural scene, with special emphasis on the impact of the progressive tradition since World War I.

**HIST 127. U.S. Reform Movements. 3 crs.** Examination of major social and political reforms in the United States to the present.

**HIST 128. History of Women in American Society to 1890. 3 crs.** Analysis of the participation and changing status of women in American institutional and cultural life.

**HIST 129. History of Women in American Society Since 1890. 3 crs.** Continuation of HIST 128.

**HIST 130. East Africa to 1800. 3 crs.** Examines the civilizations of Ethiopia, the Sudan, and the coast of East Africa, along with inland population movements from ancient times to the end of the eighteenth century.

**HIST 131. East Africa Since 1800. 3 crs.** Continuation of HIST 130 to the present.

**HIST 132. Central Africa to 1800. 3 crs.** Study of the social, economic, and political development and institutions of the peoples of Central Africa.

**HIST 133. Central Africa Since 1800. 3 crs.** Continuation of HIST 132.

**HIST 134. West Africa to 1800. 3 crs.** Analysis of the West African states from ancient times to the end of the eighteenth century.

**HIST 135. West Africa Since 1800. 3 crs.** Continuation of HIST 134 to the present.

**HIST 136. Southern Africa to 1910. 3 crs.** Treats the social, economic, and political development and institutions of South Africa.

**HIST 137. Southern Africa Since 1910. 3 crs.** Continuation of HIST 136.

**HIST 138. North Africa and the Maghreb to 1800. 3 crs.** Study of the social, economic, and political development and institutions of North Africa.

**HIST 139. North Africa and the Maghreb Since 1800. 3 crs.** Continuation of HIST 138.

**HIST 140. History of the Caribbean. 3 crs.** Patterns of political and social changes in the Caribbean region, 1600-1838.

**HIST 141. History of the Caribbean. 3 crs.** Patterns of political and social changes in the Caribbean region, 1838 to present.

**HIST 142. Introduction to the History of Latin America to 1825. 3 crs.** Study of the settlement, colonial institutions and society, and early 19th-century problems in Latin America and the Caribbean. Divisional Studies C.

**HIST 143. Introduction to the History of Latin America Since 1825. 3 crs.** Divisional Studies C.

**HIST 147. African American Women in U.S. History. 3 crs.** Survey of the social, intellectual, economic, political, and cultural history of women in the U.S. from the colonial era to the present.

**HIST 148. African American Women in the United States. 3 crs.** Analysis of the participation of women of African descent in American institutional and cultural life.

**HIST 149. District of Columbia History. 3 crs.** Introduction to the major metropolitan questions, past and present, analyzing social and economic forces to physical changes. Selections from texts developed by scholarly and community-based literature.

**HIST 150. Modern Europe: 165-1848. 3 crs.** Concentrated study of the political, social, and economic development of the European states. Recommended for area majors or comparative history majors.

**HIST 151. Modern Europe: 1848 to the Present. 3 crs.** Continuation of HIST 150.

**HIST 152. Russia to 1917. 3 crs.** Emphasizes social, political, economic, and intellectual trends within Russia against both a European and world context.

**HIST 153. Russia Since 1917. 3 crs.** Continuation of HIST 152 with emphasis on the Soviet Union.

**HIST 164. African Economic History. 3 crs.** Explores various factors influencing African economic behavior and development from earliest times to the present.

**HIST 165. Geography of North America. 3 crs.** Examines the physical base and human occupancy of major geographic regions of the United States and Canada.

**HIST 168. Geography of Europe. 3 crs.** Discusses the principal regions of Europe and the geographic aspects of current national and international questions.

**HIST 169. Geography of Asia. 3 crs.** Natural regions, their present economic development and potentialities.

**HIST 171. Human Geography of Africa. 3 crs.** Natural regions, physical and human resources of Africa south of the Sahara, economic development and political potentialities.

**HIST 176. AFRO American History to the Civil War. 3 crs.** Brief survey of the African background and the social, cultural, economic, and political activity of the black people in the United States.

**HIST 177. AFRO American History Since the Civil War. 3 crs.** Continuation of HIST 176.

**HIST 184. Early Modern Europe I. 3 crs.** Covers the transition from medieval to modern Europe; the Italian Renaissance; development of the arts and sciences; exploration and discovery; the rise of Protestantism and the Catholic reaction; and the religious wars to 1648.

**HIST 185. Early Modern Europe II. 3 crs.** Continuation of HIST 184.

**HIST 189. Public History. 3 crs.** A survey of the rich variety of interrelated research activities which constitute the practice of public history. Particular attention given to African Americans' influence on the field.

**HIST 190. Modern Revolutions and Liberation Movements I. 3 crs.** Study, analysis, and comparison of selected revolutionary and liberation movements.

**HIST 191. Modern Revolutions and Liberation Movements II. 3 crs.** Continuation of HIST 190.

**HIST 192. Islam in Africa. 3 crs.** Emphasizes the diffusion of Islam in Africa and significance of Islam in African societies.

**HIST 193. History of Pan-Africanism. 3 crs.** Analyses of the origin and significance of Pan-Africanism in the United States, the Caribbean and Latin America.

**HIST 195. Ideology and Politics in Latin America and the Caribbean. 3 crs.** Introduction to the broad conception of nationalism, politics and revolution in Latin America and the Caribbean.

**HIST 196. Geography of Trade and Transportation. 3 crs.** Geographic determinants of international trade; commercial land, water, and air transportation of world export and import commodities.

**HIST 700. Introduction to the Black Diaspora II, Writing. 3 crs.** A writing intensive course surveying the African Diaspora from the late nineteenth century to the present.

**HIST 702. Russia Since 1917, Writing. 3 crs.** A writing intensive course emphasizing the Soviet Union. This course also examines the break up of the Soviet empire.

**HIST 704. African American History Since 1877, Writing. 3 crs.** A writing intensive course surveying African American social, cultural, economic and political activity.

**HIST 705. United States History Since 1877, Writing. 3 crs.** A writing intensive course presenting the principal political, economic, social, and cultural developments in the United States from the end of Reconstruction to the present.

#### **HONORS PROGRAM COURSES**

**ENGL-075, 076. Composition for Honors. 3 crs. ea.** Honors courses concentrating on the four areas of communication: speaking, reading, writing, and listening.

**PHIL 082. Honors Philosophy: Representative Thinkers. 3 crs.** Sophomore Honors course on selected Western thinkers and developments in logical theory. One semester is required.

**HIST 001, 002. Honors Introduction to Civilization. 3 crs. ea.** The study of civilizations, their institutions and social processes.

**HUMA-079, 080. General Literature for Honors. 3 crs. ea.** Freshman honors courses involving reading and discussion of selected texts in literature, philosophy, and religion.

**HNRS-700. Honors Writing Intensive. 3 crs.** Intermediate writing class offered in one of the disciplines: Natural Sciences, Social Sciences or Humanities. Satisfies additional writing requirement.

**HNRS-080, 081, 082, 083. Honors Humanities Seminar. 3 crs.** Seminars on selected topics in the humanities for sophomores and juniors.

**HNRS-084, 085, 086, 087. Honors Natural Science Seminar. 3 crs.** Seminars on selected topics in the natural sciences for sophomores and juniors.

**HNRS-088, 089, 090, 091. Honors Social Science Seminar. 3 crs.** Seminars on selected topics in the social sciences for sophomores and juniors.

**HNRS-093. Honors Research Methods. 3 crs.** Junior Honors course emphasizing all aspects of research including design of experiments, analysis and presentation of data, proposal writing, and preparation of journal articles. Intended to prepare students for writing the Senior Thesis.

## **HUMANITIES**

**HUMN 011. Literature of the Ancient World. 3 crs.** Introduction to the literature of ancient Greece and Rome and the Near East, concentrating on literary styles and cultural background of the ancient world.

**HUMN 012. Medieval and Renaissance Literature. 3 crs.** Introduction to the literature of the European medieval and Renaissance cultures through a reading of selected authors who express important concepts and cultural attitudes of the two periods.

**HUMN 013. Literature of the Modern World. 3 crs.** Introduction to the literature of the post-Renaissance world, emphasizing both the history and development of ideas during the period and the literary methods and values of the works studied.

**HUMN 014. Introduction to Humanities I** is the first part of a two-semester core course for freshmen designed to enhance their understanding of great and enduring themes of humanistic inquiry. Students read literary and philosophical works of major historical significance and value from a contemporary viewpoint. Students explore themes such as cultural collision and resolution, concentrating on various aspects of the epic tradition.

**HUMN 015. Introduction to Humanities II** is the second part of a two-semester core course for freshmen. In this course students study the relationship of the self to the other, with all its attendant considerations, and concentrate on generic distinctions between comedy and tragedy in drama, autobiography, and fiction. Prerequisite is Humanities I.

**HUMN 107. Introduction to Women's Studies. 3 crs.** Introduction to the role of women in the humanities, investigating women as writers and their contributions to the disciplines of philosophy, German, Russian, Classics, English, and the Romance Languages. Cross-listed with other departments in the Division of the Humanities.

## **MATHEMATICS**

**MATH 006. College Algebra I. 3 crs.** An intensive college algebra course that emphasizes manipulative algebra, solutions of equations and inequalities, and certain elementary functions. Prerequisite: Satisfactory score on mathematics placement examination or completion of ACAD015 (Basic Math II).

**MATH 007. Precalculus. 4 crs.** Exponential and logarithmic functions; trigonometry, and systems of equations. Students planning to take 156 should take this course. It is not intended for those students planning to take 026; they should take 010 instead. Prerequisite: 006, or satisfactory score on the Mathematics Placement Examination.

**MATH 009. Introduction to Statistics. 4 crs.** A first course in statistics that may be followed by more specialized statistics courses offered by other departments of the University. Not intended for students who have taken calculus; students with a calculus background should take 189. Prerequisite: MATH 006, or satisfactory score on the Mathematics Placement Examination.

**MATH 010. College Algebra II. 4 crs.** Exponential and logarithmic functions; matrix theory, combinatorics, and probability. Students planning to take 026 should take this course. It is not intended for students planning to take 156, who should, instead, follow 006 with 007. Prerequisite: MATH 006, or satisfactory score on the Mathematics Placement Examination.

**MATH 012. Patterns in Mathematics. 3 crs.** Introduction to the art, nature and applications of mathematics. Emphasis is placed on mathematical patterns occurring in real life situations. The course is not intended for students planning to take any Calculus course Prerequisite: MATH 006, or satisfactory score on the Mathematics Placement Examination.

**MATH 020. Fundamental Concepts of Mathematics for Education I. 3 crs.** Fundamental concepts of mathematics needed by elementary school teachers. Prerequisite: MATH 006, or satisfactory score on the Mathematics Placement Examination.

**MATH 026. Applied Calculus. 4 crs.** Limits; differentiation; integration; introduction to differential equations; and functions of several variables. . Prerequisite MATH 007 or 010 or outstanding score on Mathematics Placement Examination.

**MATH 084, 085. Directed Readings in Honors for Sophomores. 1 cr. ea.** This set of courses (084, 085, 088, 089, 092, 093) is designed for students in the honor's program, and is designed to help students writing an honor's thesis. Others may take the courses with consent of the instructor.

**MATH 088, 089. Directed Readings in Honors for Juniors. 1 cr. ea.**

**MATH 092, 093. Senior Departmental Honors. 3 crs. ea.**

**MATH 101. Proof and Problem Seminar I. 1 cr.** This course and 102 are designed to help mathematics majors make the transition from the Calculus sequence to more advanced and abstract courses, and is to be taken early when a student declares a major. The topics are sets, relations, functions, proofs by induction and contradiction, complex numbers, and binomial coefficients. Corequisite: MATH 156.

**MATH 102. Proof and Problem Seminar II. 1 cr.** A continuation of 101. The topics of 101 are reinforced by going more deeply into one of number theory, dynamics, probability, graph theory, or modeling. Prerequisite: 101. Coreq: 157.

**MATH 150. Modern Geometry. 3 crs.** Deductive reasoning through the study of selected topics from Euclidean and non-Euclidean geometrics. Prerequisite: 157.

**MATH 156. Calculus I. 4 crs.** Limits, continuity, and the derivative and integral of functions of one variable, with applications. Prerequisite: 007 or outstanding score on Mathematics Placement Examination.

**MATH 157. Calculus II. 4 crs.** Continuation of 156, including more integration, sequences, series, Taylor's theorem, improper integrals, and L'Hospital's rule. Prerequisite: 156.

**MATH 158. Calculus III. 4 crs.** Continuation of 157, including calculus of functions of several variables, with applications. Prerequisite: 157.

**MATH 159. Differential Equations. 4 crs.** Elementary techniques of ordinary differential equations, including slope fields, equilibria, separation of variables, linear differential equations, homogeneous differential equations, undetermined coefficients, bifurcations, power series, Laplace transforms, systems, and numerical methods. Prerequisite: 157.



**MATH 160. Advanced Calculus for Science and Engineering. 3 crs.** Vector calculus in several dimensions. Generalizations of the fundamental theorem of calculus. Stokes theorem divergence theorem. Inverse and implicit functions theorems. Prerequisite: 158.

**MATH 161, 162. Seminar 1-3 crs. each.** Offered on demand; seminars in various topics in mathematics.

**MATH 164. Introduction to Numerical Analysis. 3 crs.** Treats numerical integration and numerical solution of differential equations; numerical linear algebra, matrix inversion, characteristic values; error propagation; and stability. Prerequisite: 159 and SYCS 135.

**MATH 165, 166. Directed Readings. 1-3 crs. each.** Readings under a faculty member whose approval is required for admission to course.

**MATH 168. Actuarial Science Laboratory I. 1 cr.** Systematic methods and approaches for rapid and accurate solutions of problems arising in elementary algebra, calculus, and analysis. Prerequisite: Consent of instructor or 158.

**MATH 169. Actuarial Science Laboratory II. 1 cr.** Continuation of 168 with the problems to be solved coming from mathematical statistics. Prerequisite: Consent of instructor or 190.

**MATH 180. Introduction to Linear Algebra. 3 crs.** Vector Spaces, linear transformations, the Gram-Schmidt process, determinants, eigenvectors and eigenvalues, diagonalization and applications. Prereq: 157.

**MATH 181. Discrete Structures. 3 crs.** Algebraic structures applicable to computer science; semigroups, graphs, lattices, Boolean algebras, and combinatorics. Prerequisite: 157.

**MATH 183. Intermediate Differential Equations. 3 crs.** Initial value problems, existence and uniqueness of solutions, properties of solutions boundary value problems, Sturm-Liouville systems, and orthogonal expansions. Prerequisites: 159 and 180.

**MATH 184. Introduction to Number Theory. 3 crs.** Elements theory of algebraic number theory. Prerequisite: 197.

**MATH 185. Introduction to Complex Variables. 3 crs.** Complex numbers and their geometry, plane topology, limits, continuity, differentiation, Cauchy-Riemann equations, analytic functions, series, Cauchy theorems, contour integration, and residue theory. Prerequisite: 195.

**MATH 186. Introduction to Differential Geometry. 3 crs.** Calculus in Euclidean space, vector fields, geometry of surfaces, and curves. Prerequisites: 158 and 180.

**MATH 187. Introduction to Algebraic Topology. 3 crs.** Complexes, homology, surface topology, and the classical groups. Prerequisite: 197 and 199.

**MATH 189. Probability and Statistics I. 3 crs.** Samples spaces, random variables, distributions, expectation, independence, law of large numbers. Prerequisite: 158.

**MATH 190. Probability and Statistics II. 3 crs.** Continuation of 189. Includes estimation, order statistics, sufficient statistics, test of hypotheses, and analysis of variance. Prerequisite: 189.

**MATH 191. Foundations of Applied Mathematics. 3 crs.** Introduction to the concepts and methods of applied mathematics, including gravitational motion, calculus of variations, Lagrange's and Hamilton's equations; approximation techniques, partial differential equations, Fourier series, and Fourier integrals. Prerequisites: 159.

**MATH 192. Topics in Applied Mathematics. 3 crs.** Topics are selected from the following areas: combinatorics, computer science, control theory, fluid dynamics, game theory, information theory, mathematical biology, and statistical mechanics. Prerequisite: 191. Prerequisite: permission of instructor.

**MATH 193. Actuarial Science Seminar. 3 crs.** Treats life contingency, or the theory of interest, or other applications of mathematics to actuarial science as required. Prerequisite: 190.

**MATH 194. Introduction to Set Theory. 3 crs.** Axiomatic foundations; relations and functions; ordered and well-ordered sets; ordinals and cardinals and axiom of choice with its equivalents. Prerequisite: 195.

**MATH 195. Introduction to Analysis I. 3 crs.** Set theory, logic, real and complex numbers, introductory topology, and continuous function. Required for mathematics majors. Prerequisite: 157.

**MATH 196. Introduction to Analysis II. 3 crs.** Sequences; series; limits; continuity; uniform continuity and convergence; differentiation and integration of functions of one variable. Prerequisite: 195.

**MATH 197. Introduction to Modern Algebra I. 3 crs.** Groups, rings, fields and homomorphisms. Prerequisite: 180.

**MATH 198. Introduction to Modern Algebra II. 3 crs.** Continuation of 197, including isomorphism theorems, Cayley's theorem, the Sylow theorems,  $p$ -groups, abelian groups, unique factorization domains, and Galois theory. Prerequisite: 197.

**MATH 199. Introduction to General Topology. 3 crs.** Topological spaces; relative topology; and subspaces, finite product spaces; quotient spaces; continuous and topological maps; compactness; connectedness; and separation axioms. Prerequisite: 157 and 195.

## **MILITARY SCIENCE**

### *Aerospace*

#### **Aerospace Studies Course Descriptions**

Note: All students interested in pursuing an Air Force commission must register for Leadership Lab along with the appropriate lecture (i.e. AS Course) listed below. Students who do not register for both courses will receive academic credit, but will not be considered for an Air Force commission or Air Force ROTC scholarship

#### **AERO 001, 002, 003, 009. LLAB – Leadership Laboratory. 1cr. (Pass/Fail)**

An integrated grouping of leadership developmental activities designed to meet the needs and expectations of prospective Air Force second lieutenants and complement the AFROTC academic program. It is a student planned, organized and executed practicum. LLAB is a weekly laboratory that touches on the topics of Air Force customs and courtesies, health and physical fitness, field training preparation and drill and ceremonies. In addition to the weekly laboratory, students are required to participate in one hour physical training sessions two days per week.

#### **AERO 011. AS 100 - The Air Force Today I .1cr.**

Explores the mission and organizational structure of the United States Air Force. Introduces the student to Reserve Officer Training Corps by examining air power, customs and courtesies, officership, and core values. Examines Air Force opportunities, benefits, career choices, and installations which provides information needed to determine whether or not to pursue a career as an Air Force officer. An introduction to effective communication is included. Effective From: Spring 2006

#### **AERO 012. AS 100- The Air Force Today II. 1 cr.**

Prerequisite: None. A continuation of Air Force Today I. Continues with the mission and organizational structure of the Air Force. A macro view of U.S. military history is introduced with emphasis on U.S. air power. Air Force communications is developed with emphasis on interpersonal communications, oral communications, and written communications. Effective From: Spring 2006

#### **AERO 021. AS 200 – The Air Force Way I. 1 cr.**

Prerequisite: None. Examines the development of air power from its earliest beginnings to the present, including in-depth examination of World War I, World War II, and Korean Conflict. Effective From: Spring 2006

#### **AERO 022. AS 200 – The Air Force Way II. 1 cr.**

Prerequisite: None. A continuation of Air Force Way I focusing on the Vietnam War, Cold War, Gulf War, the Global War on

Terrorism. Emphasizes the concepts and skills required by the Air Force officer including oral communications, Air Force quality, leadership, followership, ethics, and values. Effective From: Spring 2006

**AERO 131. AS 300 – Air Force Leadership Studies I. 3 cr.**

Prerequisite: None. Emphasizes the concepts and skills required by the successful management and leader. Curriculum includes individual motivational and behavioral processes, leadership, communication, and group dynamics, providing the foundation for developing the junior officer's professional skills. Course material stresses decision making, and the use of analytic aids in planning, organizing, and controlling in a changing environment. Develops communication skills through writing and speaking exercises. Effective From: Spring 2006

**AERO 132. AS 300 – Air Force Leadership Studies II. 3 cr.**

Prerequisite: None. A continuation of Air Force Leadership Studies II. Organizational and personal ethics, management of change, organizational power, politics, and managerial strategy are discussed within the context of the military. Actual Air Force case studies are used throughout the course. Effective From: Spring 2006

**AERO 141. AS 400 - National Security Affairs and Preparation for Active Duty I. 3 cr.**

Prerequisite: None. Focuses on the U.S. Armed Forces as an integral element of American society. This course examines a wide variety of topics concerning American civil and military relations and the environment in which U.S. defense policy is formulated. Specific topics include the role of the professional officer in a democratic society, socialization processes within the American military forces, and the requisites for maintaining adequate national security forces. A special emphasis is placed on further refining the student's communications skills in the context of the course material.

**AERO 142. AS 400 – National Security Affairs and Preparation for Active Duty II. 3 cr.**

Prerequisite: None. Continuation of National Security Affairs and Preparation for Active Duty I. Focuses on the role of the Air Force officer while on active duty. Includes responsibilities as an officer, commander, leader, and a manager. Topics include a review of military law, nonjudicial punishment, role of the staff judge advocate, laws of armed conflict, military ethics, officer professional development, an officer's social responsibilities, fraternization, personal finances, staff work, and Air Force base services and activities. Concludes with a review of the Air Force Core Values. Effective: Spring 2006

**AROTC**

**MILI 101. Introduction to ROTC (and to the University). 1 cr.** Make your first new peer group at college one committed to performing well and enjoying the experience. Increase self-confidence through team study and activities in basic drill, physical fitness, rappelling, leadership reaction course, first aid, making presentations and basic marksmanship. Learn fundamental concepts of leadership in a profession in both classroom and outdoor laboratory environments. One hour and a required leadership lab, MS101L, plus optional participation in a one hour session for physical fitness. Participation in a weekend exercise is optional, but highly encouraged (and fun!).

**MILI 102. MS 101 Introduction to Leadership. 1 cr.** Learn/apply principles of effective leading. Reinforce self-confidence through participation in physically and mentally challenging exercises with upper division ROTC students. Develop communication skills to improve individual performance and group interaction. Relate organizational ethical values to the effectiveness of a leader. One hour and a required leadership lab, MS102L, plus optional participation in a one hour session for physical fitness. Participation in a weekend exercise is optional, but highly encouraged.

**MILI 201. MS 102 Self/Team Development. 2 crs.** Learn/apply ethics-based leadership skills that develop individual abilities and contribute to the building of effective teams of people. Develop skills in oral presentations, writing concisely, planning of events, coordination of group efforts, advanced first aid, land navigation and basic military tactics. Learn fundamentals of ROTC's Leadership Assessment Program. Two hours and a required leadership lab, MS201L, plus required participation in two one-hour sessions for physical fitness. Participation in a weekend exercise is optional, but highly encouraged.

**MILI 202. MS 202 Individual/Team Military Tactics. 2 crs.** Introduction to individual and team aspects of military tactics in small unit operations. Includes use of radio communications making safety assessments, movement techniques, planning for team safety/security and methods of pre-execution checks. Practical exercises with upper division ROTC students. Learn techniques for training others as an aspect of continued leadership development. Two hours and a required leadership lab, MS202L, plus required participation in two one-hour sessions for physical fitness. Participation in exercise is optional, but highly encouraged.

**MILI 001, 002, 003, 004. MS 101L, 102L, 201L and 202L Leadership Laboratory. 1 cr.** Open only to (and required of) students in the associate Military Science course. Series, with different roles for students at different levels in the program. Learn and practice basic skills. Gain insight into Advanced Course in order to make an informed decision whether to apply for it. Build self-confidence and a team-building leadership skills that can be applied through life. Physical is required in MS 101, MS 102 and 202. Series, with different roles for students at different levels in the program. Participate in a learn to lead a physical fitness program. Emphasis on the development of an individual fitness program and the role of exercise and fitness in one's life.

The Advanced Course consists of the courses MS 301, 302, 310, 401, and 402. It is open only to students who have completed the Basic Course or earned placement credit for it (various methods). The Advanced Course is designed to qualify a student for a commission as an officer in the United States Army. Students must complete all courses numbered greater than 300, to include MS 310, a six-week Advanced Camp during the summer, usually between the junior and senior years. The courses must be taken in sequence unless otherwise approved by the Professor of Military Science. Students received \$150 per month during the school year.

**MILI 301. MS 301 Leading Small Organizations I. 3 crs.** Series of practical opportunities to lead small groups, receive personal assessments and encouragement, and lead again in situations of increasing complexity. Uses small unit defensive tactics and opportunities to plan and conduct training for lower division students both to develop such skills and as vehicles for practicing leading. Three hours and a required leadership lab, MS301L, plus required participation in three one-hour sessions for physical fitness. Participation in one weekend exercise is also required, and one or two more weekend exercises may be offered for optional participation.

**MILI 302. MS 302 Leading Small Organizations II. 3 crs.** Continues methodology of MS 301. Analyze tasks; prepare written or oral guidance for team members to accomplish tasks. Delegate tasks and supervise. Plan for and adapt to the unexpected in organizations under stress. Examine and apply lessons from leadership case studies. Examine importance of ethical decision making in setting a positive climate that enhances team performance. Three hours and a required leadership lab, MS302L, plus required participation in three one-hour sessions for physical fitness. Participation in one weekend exercise is required; two other weekend exercises optional.

**MILI 401. Leadership Challenges and Goal-Setting. 3 crs.** Plan, conduct and evaluate activities of the ROTC cadet organization. Articulate goals, put plans into action to attain them. Assess organizational cohesion and develop strategies to improve it. Develop confidence in skills to lead people and manage resources. Learn/apply various Army policies and programs in this effort. Three hours and a required leadership lab, MS401L, plus required participation in three one-hour sessions for physical fitness. Participation in one weekend exercise is also required, and one or two more weekend exercises may be offered for optional participation.

**MILI 402. MS 402 Transition to Lieutenant. 3 crs.** Continues the methodology from MS 401. Identify and resolve ethical dilemmas. Refine counseling and motivating techniques. Examine aspects of tradition and law as it relates to leading as an officer in the Army. Prepare for a future as a successful Army lieutenant. Three hours and a required leadership lab, MS402L, plus required participation in three one-hour sessions for physical fitness. Participation in one weekend exercise is also required, and one or two more weekend exercises may be offered for optional participation.

**MILI 005, 006, 007, 008. MS 301L, 302L, 401L Advanced Course Leadership Laboratories. 1 cr.** Open only to students in the associated Military Science course. Series, with different roles for students at different levels in the program. Involves leadership responsibilities for the planning, coordination, executing and evaluation of various training and activities with Basic Course students and for the ROTC program as whole. Students develop, practice and refine leadership skills by serving and being evaluated in a variety of responsible positions. Physical fitness is required of students in MS 301, 302, 401 and 402, of which this program is an integral part. Series, with different roles for students at different levels in the program. Participate in and learn to plan and lead physical fitness programs. Develops the physical fitness required of an officer in the Army. Emphasis on the development of an individual fitness program and the role of exercise and fitness in one's life.

## **MUSIC**

**MUSB-001. Fundamentals of Music. 0 cr.** Study of notation, simple rhythms, intervals, scales, and dictation of melodies.

**MUSB-002. Introduction to Theory (non-music majors). 3 crs.** Study of scales, notation, simple rhythms, intervals.

**MUSB-003 (I), 004 (II). Elementary Ear Training and Sight Singing. 2 crs. ea.** Development of music reading skills, with emphasis on melodic, rhythmic, and harmonic dictation, and music literature. Coreq: MUSB-021, 022.

**MUSB-011 (I), 012 (II). Advanced Ear Training and Sight Singing. 2 crs. ea.** Advanced music reading, emphasizing contemporary literature, and melodic-rhythmic-harmonic dictation. Coreq.: MUSB-041, 042.

**MUSB-016/116. Keyboard Harmony. 2 crs.** 016: harmonization, transposition, and improvisation at the keyboard; 116: advanced harmonization, and keyboard improvisation and score reading.

**MUSB-021 (I), 022 (II). Elementary Harmony, (I, II). 3 crs. ea.** Presents basic principles of diatonic harmony through melodic harmonizations, creative writing, and analysis. Coreq.: MUSB-003, 004.

**MUSB-025. Survey of Harmony (Non-Majors). 3 crs.** Spring. A compressed course covering diatonic and chromatic tonal harmony, 20th century harmonic languages, and popular music harmonic styles. Emphasis placed on developing analytical skills, especially for Musical Theatre majors. Prerequisite: MUSB-021.

**MUSB-041 (I), 042 (II). Advanced Harmony, (I, II). 3 crs. ea.** Study of chromatic harmony and melody through harmonization, creative writing, and analysis, along with an introduction to twentieth-century techniques. Prereqs.: MUSB-021, MUSB-022. Coreq.: MUSB-011, 012.

**MUSB-043. Counterpoint. 3 crs.** Introduction to the study of voice leading via the species approach. Prerequisite: MUSB-042.

**MUSB-103. Orchestration. 3 crs.** Instrumentation and scoring for large and small ensembles. Prereqs.: MUSB-042, MUSD-013, MUSD-015, MUSM-017, and MUSM-019.

**MUSB-104. Advanced Orchestration. 3 crs.** Instrumentation and scoring for band and smaller ensembles, including jazz and pop idioms. Prereqs.: MUSB-103.

**MUSB-124. Form and Analysis. 3 crs.** Composite course in linear, harmonic, and formal analysis. Prerequisite: MUSB-042.

**MUSB-125. Analysis. 3 crs.** Continuation of MUSB-124 for Composition majors. Prerequisite: MUSB-124 or consent of instructor.

**MUSB-151, 152. Composition. 3 crs. ea.** Consists of writing in small forms for simple instrumental combinations. Prerequisite: MUSB-042.

**MUSB-153, 154. Composition. 3 crs. ea.** Continuation and intensification of MUSB-152. Prereqs.: MUSB-151, 152.

**MUSB-207. Individual Research. 3 crs.** Directed by a member of the faculty. Students may receive credit for this course twice. Prerequisite: Permission of faculty member.

**MUSC-005. Music Literature to 1600. 3 crs.** Examines concepts, definitions, musical literature, trends, performance practices, and composers from antiquity to 1600.

**MUSC-006. Music Literature of the Baroque and Classical Periods. 3 crs.** Study of symphony, chamber music, opera, and other forms from 1600 to 1830. Prerequisite: MUSC-005.

**MUSC-007. Music Literature of the Nineteenth and Twentieth Centuries. 3 crs.** Analyzes styles, composers, and techniques from 1830 to the present. Prerequisite: MUSC-006.

**MUSC-008. African and Afro-American Music Literature. 3 crs.** Explores traditional African music and American music influenced by the African idiom. Prerequisite: MUSC-007.

**MUSC-100. Introduction to Music. 3 crs.** Introduces students to the styles and aesthetics of western music, as well as to foster an enthusiasm for listening to music. Since music can be enjoyed emotionally and intellectually, this course will enable each student to develop an aesthetic awareness of various musical genres from periods ranging from the medieval to contemporary.

**MUSC-101. Music Literature of the Eighteenth Century. 3 crs.** Examines changes from baroque to classical ideals, including the works of Bach, Handel, Haydn, Mozart, and Beethoven. Prerequisite: MUSC-008.

**MUSC-102. Music Literature of the Nineteenth Century. 3 crs.** Study of romanticism, beginning with the mature Beethoven. Prerequisite: MUSC-008.

**MUSC-103. The Symphony. 3 crs.** Presents the origins and development of the symphony and related forms, including an intensive study of scores. Prerequisite: MUSC-007.

**MUSC-104. Chamber Music. 3 crs.** Deals with string quartet literature and its antecedents, along with other chamber music forms from Haydn to Bartok. Prerequisite: MUSC-008.

**MUSC-105. Choral Music. 3 crs.** Treats the emergence and growth of choral music and such related forms as the chanson and madrigal, with emphasis on the Afro-American contribution. Prerequisite: MUSC-008.

**MUSC-106. Dramatic Music. 3 crs.** Covers such dramatic forms in music as the cantata, passion, oratorio, opera, and musical theater. Prerequisite: MUSC-008.

**MUSC-125. Introduction to African Music. 3 crs.** Presents African life and culture with music as a focal point. No previous music training required.

**MUSC-155. Style Criteria. 3 crs.** Examines styles, composition techniques, and performance standards of Western music from the seventeenth to the twentieth centuries. Prerequisite: MUSC-008.

**MUSC-156. Music Literature of the Twentieth Century. 3 crs.** Treats techniques and trends from 1900 to the present, with special lectures and demonstrations by Composition faculty members. Prerequisite: MUSC-008.

**MUSC-161, 162. Senior Seminar. 3 crs. ea.** Research projects assigned to seniors. Each student must complete one research project on an Afro-American subject.

**MUSC-204. Chamber Music. 3 crs.** Deals with string quartet literature and its antecedents, along with other chamber music forms from Haydn to Bartok. (Graduate).

**MUSC-207. Individual Research. 3 crs.** Directed by a member of the faculty. Students may receive credit for this course twice. Prerequisite: Permission of faculty member.

**MUSC-221, 222. Vocal Literature. 3 crs. ea.** Study of music for solo voice from its beginnings to present, with consideration of literature for the voice teacher. Prerequisite: MUSC-008.

**MUSD-005. Instrumental Survey. 3 crs.** Knowledge, care, history and function of band and orchestral instruments. Spring semester only.

**MUSD-006. Music Education Guitar Class. 1 cr.** Group instruction in basic technique along with an introduction to repertory. Required of all Music Education majors.

**MUSD-007. Marching Band Technique. 3 crs.** Provides guidelines for administration and supervision; explores a variety of rehearsal and performance techniques for marching band in an educational setting. Spring semester only.

**MUSD-013. Woodwind Instruments I. 1 cr.** Class instruction in the basic playing and teaching techniques of flute and clarinet.

**MUSD-014. Woodwind Instruments II. 1 cr.** Class instruction in the basic playing and teaching of oboe and bassoon techniques. Prerequisite: MUSD-013 or consent of instructor.

**MUSD-015. String Instruments I. 1 cr.** Class instruction in the basic playing, teaching techniques of the violin and viola.

**MUSD-016. String Instruments II. 1 cr.** Class instruction in the basic playing, teaching techniques of the violoncello and string bass. Prerequisite: MUSD-015 or consent of instructor.

**MUSD-017. Brass Instruments I. 2 crs.** Class instruction in the history, function, and basic playing techniques of the instruments in the brass family. Spring semester only.

**MUSD-019. Percussion Instruments. 1 cr.** Class instruction in the history, function, and basic playing, teaching techniques of the various percussion instruments.

**MUSD-051. Elementary Choral Conducting. 3 crs.** Fundamental techniques of choral conducting, basic principles of interpretation and style, and rehearsal techniques. Fall semester only.

**MUSD-052. Advanced Choral Conducting. 3 crs.** Advanced techniques of choral conducting, style and interpretation, and survey of choral literature and major composers. Prerequisite: MUSD-051 or consent of instructor. Spring semester only.

**MUSD-053. Music in the Elementary School. 3 crs.** Application of child development principles to music teaching on the elementary level. Prerequisite: Consent of instructor. Fall semester only.

**MUSD-054. Music in the Secondary Schools. 3 crs.** Application of adolescent and educational psychology principles to teaching music on the secondary level. Prereqs.: Education 145-005, 145-029; Theory MUSB-116, MUSB-016, MUSB-042; Music Literature MUSC-008; and Music Education MUSD-053 for all except Instrumental Minors. Spring semester only.

**MUSD-057. Teaching and Supervision of Instrumental Music. 3 crs.** Organization and administration of instrumental music in the schools in addition to laboratory experience with university bands. Prereqs.: MUSD-013, 015, 016, 017, 018, 019, 054.

**MUSD-058. Instrumental Conducting. 3 crs.** Chamber, orchestral, and band music, rehearsal techniques, special problems, and literature for secondary schools. Prereqs.: Instrumental Minor and MUSD-051.

**MUSD-120, 121. Contemporary Trends in Music Education 0 cr.** Modular courses in current approaches to music, teaching and learning. Required of all Music Education majors.

**145-135. Student Teaching. 9 crs.** Observation, seminars, and supervised teaching in accredited elementary and secondary schools. Prereqs.: Senior standing, completion of requirements with a cumulative 2.70 average in Music Education and Education and approved application form.

**MUSD-150. Independent Study in Music Education. 3 crs.** Individual projects approved by Music Education faculty and an assigned instructor.

**MUSE-011, 012. Functional Piano. 1 cr. ea.** Scales, chords, arpeggios, transposition, and harmonization for students with minimal background in piano.

**MUSE-021, 022. Functional Piano. 1 cr. ea.** Continuation of MUSE-011, 012. Preparation for the proficiency examination. Prereqs.: MUSE-011, 012, or consent of instructor.

**MUSE-031, 032. Functional Piano. 1 cr. ea.** Continuation of MUSE-021, 022. Preparation for the proficiency examination. Prereqs.: MUSE-021, 022.

**MUSE-041, 042. Functional Piano. 1 cr. ea.** Continuation of MUSE-031, 032. Preparation for the Proficiency Exam. Prereqs. MUSE-031,032.

**MUSE-100 and 101. Beginning Piano for Non-Music Majors. 1 cr. ea.** Class lessons to non-music major. Permission of coordinator/instructor required. Course can be repeated.

**MUSE-102 and 103. Beginning Piano for Non-Music Majors. 1 cr. ea.** Class lessons for non-music majors. Prerequisite: Permission of instructor or MUSE-100, 111. Course can be repeated.

**MUSE-111, 112. Piano Minor. 2 crs. ea.** Study of the basic principles of piano playing, including scales, arpeggios, easy etudes, and Bach.

**MUSE-121, 122. Piano Minor. 2 crs. ea.** Includes scales, arpeggios (four octaves), Bach's "Little Preludes," sonatinas, and selected compositions from the Romantic and Modern eras. Prereqs. MUSE-111, 112, or consent of instructor.

**MUSE-131, 132. Piano Minor. 2 crs. ea.** Continuation of technical work with Czerny's Opus 299; Bach's Two-Part Inventions, and Haydn's sonatas. Prereqs. MUSE-121, 122, or consent of instructor.

**MUSE-141, 142. Piano Minor. 2 crs. ea.** Expansion of technical work, including Bach's WTC, sonatas of Mozart and Haydn, and selected Romantic and Contemporary works. Recital required. Prereqs.: MUSE-131, 132, or consent of instructor.

**MUSE-151, 152. Piano Minor. 2 crs. ea.** Further expansion of technical work, including Bach's WTC sonatas, Romantic and Modern compositions. Recital required. Prereqs.: MUSE-141, 142.

**MUSE-153, 154. Vocal Accompanying. 2 crs. ea.** Provides technical and practical experience in the art of accompanying.

**MUSE-157, 158. Piano Pedagogy. 2 crs. ea.** Instruction in teaching piano at all levels, with lecture, discussion, and demonstration.

**MUSE-171. Piano Literature. 2 crs.** A survey of solo keyboard works, English Virginalists to Beethoven, performance, stylistic analysis.

**MUSE-172. Piano Literature. 2 crs.** A survey of solo keyboard works, Schubert to present, performance, stylistic analysis.

**MUSE-211, 212. Piano Major. 4 crs. ea.** Scales and arpeggios (four octaves), Czerny's Opus 299, Bach's Two- and Three-Part Inventions; Haydn's and Mozart's sonatas, and Romantic works.

**MUSE-221, 222. Piano Major. 4 crs. ea.** Scales, Czerny, Cramer studies, Bach's WTC, and sonatas. Qualifying Recital. Prereqs.: MUSE-211, 212, or consent of instructor.

**MUSE-231, 232. Piano Major. 4 crs. ea.** Continuation of technical and repertory work, with a technical examination. Prereqs.: MUSE-221, 222, or consent of instructor.

**MUSE-241, 242. Piano Major. 4 crs. ea.** Continuation of MUSE-231, 232. Public graduation recital. Prereqs.: MUSE-241, 242, or consent of instructor.

**MUSF-100. Organ Instruction. 1 cr.** Private lessons to non-music major. Permission of coordinator/instructor required. Course can be repeated.

**MUSF-111, 112. Organ Minor. 2 crs. ea.** Study of Peeters' The Little Organ Book, Johnson's Organ Method, and manual and pedal exercises.

**MUSF-121, 122. Organ Minor. 2 crs. ea.** Consists of moderately difficult works by Bach, Mendelssohn, and Brahms; contemporary works; service playing; improvisation; and pedal studies, scales and exercises. Prereqs.: MUSF-111, 112, or consent of instructor.



**MUSF-131, 132. Organ Minor. 2 crs. ea.** Bach's Chorale Preludes, Toccata and Fugue in D Minor, Dorian Toccata, and Prelude and Fugue in A Minor, with service playing and improvisation. Prereqs.: MUSF-121, 122, or consent of instructor.

**MUSF-141, 142. Organ Minor. 2 crs. ea.** Continuation of MUSF-131, 132, provides preparation of senior recital. Prereqs.: MUSF-131, 132, or consent of instructor.

**MUSF-153. Service Playing. 2 crs. ea.** Literature for church and community use; hymns, responses, preludes, voluntaries, and postludes; accompaniments; modulation; and improvisation.

**MUSF-211, 212. Organ Major. 4 crs. ea.** Bach's Chorale Preludes for Manuals, Orgelbuchlein (Nos. 27, 44, 37, and 12), Eight Little Preludes, and Fugues (A Minor, F Major, G Minor, and B flat Major), along with easy compositions by contemporary composers, hymn playing, and technique.

**MUSF-221, 222. Organ Major. 4 crs. ea.** Selected preludes, Fantasia and Fugue C Minor, selections from Orgelbuchlein, Brahms' Chorale Preludes, and Franck's larger works. Qualifying recital. Prereqs.: MUSF-211, 212, or consent of instructor.

**MUSF-231, 232. Organ Major. 4 crs. ea.** Bach's Chorale Preludes, Toccata and Fugue in D Minor, Dorian Toccata, Prelude and Fugue in A Minor, and Trio Sonata 1; Franck's Piece Heroique, Prelude, Fugue, and Variation; and Mendelssohn's Second Sonata; along with selected contemporary works. Service playing and improvisation. Prereqs.: MUSF-221, 222, or consent of instructor.

**MUSF-241, 242. Organ Major. 4 crs. ea.** Selected works from Bach, Mendelssohn, Franck, and the symphonies of Widor and Vierne; and selected compositions by Alain, Messiaen, Langlais, Fax, Kerr, and others. Prereqs.: MUSF-241, 242, or consent of instructor.

**MUSG-011, 012. Voice Class. 2 crs. ea.** Fundamentals of voice production and problems commonly encountered in music education. Required of music education majors with piano or organ emphasis.

**MUSG-111, 112/001, 002. Voice Minor/Third Subject. 2 crs. each.** Instruction in the principles of breathing, phonetics, and diction; vocalises for sustained singing; scales and arpeggios; five English songs; and songs of the black heritage.

**MUSG-153. Opera Ensemble Workshop. 2 crs.** Spring semester only.

**MUSG-156. Italian Diction. 2 crs.** Fall semester only.

**MUSG-157. Solo Vocal Literature. 3 crs.** Spring semester only.

**MUSG-121, 122/003, 004. Voice Minor/Third Subject. 2 crs. ea.** Consists of vocalises to meet the individual needs of the student, five songs in English and other languages, a German lieder, and easy arias.

**MUSG-131, 132/005, 006. Voice Minor/Third Subject. 2 crs. ea.** Same description as MUSG-121, 122/003, 004.

**MUSG-141, 142/007, 008. Voice Minor/Third Subject. 2 crs. ea.** Technical Studies, six songs by modern composers. French songs, and two or more arias. Recital required for minors.

**MUSG-155. Vocal Pedagogy Diction. 3 crs.** Fall semester only.

**MUSG-255. Graduate Vocal Pedagogy. 3 crs.** Includes voice anatomy and practical application, vocal defects and corrections, teaching material, observation, practice teaching and survey of proper diction application. Fall semester only.

**MUSG-211, 212. Voice Major. 3 crs. ea.** Instruction in breathing, phonetics, development of tone, legato singing, agility, and major and minor scales and arpeggios.

**MUSG-221, 222. Voice Major. 3 crs. ea.** Agility, sustained singing, classical vocal embellishments, and major and minor scales and arpeggios. Preparation for qualifying recital. Prereqs.: MUSG-211, 212, or consent of instructor.

**MUSG-231, 232. Voice Major. 3 crs. ea.** Major and minor scales and arpeggios, German art songs, and arias. Prereqs.: MUSG-221, 222, or consent of instructor.

**MUSG-241, 242. Voice Major. 3 crs. ea.** Major and minor scales and arpeggios; music; German lieder; and Spanish, Russian, and French songs. Prereqs.: MUSG-231, 232, or consent of instructor.

**MUSH-011, 012. Jazz Improvisation I. 2 crs. ea.** Techniques of improvisation, melodic and harmonic analysis, analysis of improvisational styles through recorded example, demonstration of improvisational skills through performance, and transcription of recorded solos.

**MUSH-021, 022. Jazz Improvisation II. 2 crs. ea.** Continuation of MUSH-011, 012. Prereqs.: MUSH-011, 012, or consent of instructor.

**MUSH-031, 032. Jazz Improvisation III. 2 crs. ea.** Continuation of MUSH-021,022. Prereqs.: MUSH-021, 022, or consent of instructor.

**MUSH-041, 042. Jazz Improvisation IV. 2 crs. ea.** Continuation of MUSH-031, 032. Prereqs.: MUSH-031, 032, or consent of instructor.

**MUSH-051. Set Drumming Workshop. 1 cr.** Development of reading skills, jazz drumming techniques, through solo and ensemble playing.

**MUSH-080. Jazz Theory. 3 crs.** The meaning of melodic and harmonic notation in jazz is explained; also, the underlying structural principles employed in the jazz composition are revealed.

**MUSH-111. Jazz Arranging I. 3 cr.** Exploration and analysis of representative jazz arrangements, demonstrating basic techniques of arranging.

**MUSH-130. Jazz Piano. 2 crs.** Comprehensive course for advanced pianists encompassing varied jazz styles and techniques.

**MUSH-131. Jazz Piano. 2 crs.** Continuation of MUSH-130 dealing with advanced jazz piano techniques. Prerequisite: MUSH-130.

**MUSH-140. Jazz Piano. 2 crs.** Continuation of MUSH-131 dealing with advanced jazz piano techniques. Prerequisite: MUSH-130, 131.

**MUSH-141. Jazz Piano. 2 crs.** Continuation of MUSH-140 dealing with advanced jazz piano techniques. Prereqs.: MUSH-130, 131, and 140.

**MUSH-151, 152, 153. Jazz Vocal Workshop. 1 cr.** Development of jazz solo and group performance skills, including improvisation, sight reading, repertoire and contemporary vocal technique.

**MUSH-161 through 168. Voice for Jazz Studies. 2 crs.** Techniques of breathing, tone development, and vocal styles as they relate to the jazz idiom; development of the standard jazz repertoire. Audition required.

**MUSI-031, 032. Introduction to Entertainment Law. 100-305. 3 crs.** An introductory course for all artists which explores contracts, torts, agency, labor relations, copyrights and communications. Fall/Spring.

**MUSI-110, 111. Jazz History I, II. 3 crs.** (undergraduate). Study of the historical development of jazz from the African heritage to the present.

**MUSI-112. Jazz Seminar. 3 crs.** Reports and discussions of topics relevant to the jazz idiom.

**MUSJ-101. Music Therapy I. 3 crs.** A study of the history of the profession of Music Therapy, and an examination of the philosophy and principles of Music. Therapy Practice in mental health, hospital, and medical and school delivery system with adults and Children. FALL

**MUSJ-102. Music Therapy II. 3 crs.** A study of the music therapist in the clinical setting, with an emphasis on the client/therapist relationship. Includes an examination of major theories of psychotherapy and their relationship to music therapy practice. Includes group musical tasks and experimental music to encourage students to begin a personal examination of music and its effect upon their own lives. CLINICAL PRACTICUM IS REQUIRED. Prereqs.: MUSJ-101, MUSJ-105, or permission of instructor. SPRING/FALL

**MUSJ-105. Clinical Orientation. 2 cr.** Initial clinical experience involving group participation and observation of methods and techniques employed in therapeutic settings; accompanied by seminar. Prereqs. MUSJ-101, admission to MT degree program, or permission of instructor. SPRING

**MUSJ-107, 108. Guitar Techniques for Music Therapy. 2 crs. ea.** Advanced guitar instruction and study of repertoire with emphasis on adaptive techniques for special populations. Prereqs. MUSJ-101, 2 semesters of MUSO-100.

**MUSJ-110. Methods and Techniques in Music Therapy. 2 crs.** Experimental overview of techniques used in musical therapy treatment in group and individual therapy employing vocal and instrumental techniques. CLINICAL PRACTICUM IS REQUIRED. Prereqs. MUSJ-101, admission to MT program or permission of instructor. SPRING

**MUSJ-115 Influence of Music on Behavior. 3 crs.** An examination of humankind's behavioral, emotional and physical response to music; study of applicable music therapy interventions (GIM, etc.) INCLUDES CLINICAL PRACTICUM. Prereqs.: MUSJ-101, MUSJ-102, MUSJ-105, admission to MT program or permission of instructor. FALL

**MUSJ-120 Psychology of Music. 3 crs.** A study of the acoustical and psychological aspects of music and related literature. SPRING/FALL

**MUSJ-121. Senior Practicum. 2 crs.** Clinical experience with emphasis on independent planning for individual and group sessions. Prereqs.: MUSJ-101, MUSJ-102, MUSJ-105, MUSJ-110, MUSJ-115. SPRING

**MUSJ-135. Music Therapy Internship. 1 cr.** A 6-12 month period of clinical training in a music therapy program (approved by the American Music Therapy Association) under the direct supervision of a music therapist. Prereqs. All music department requirements and all music therapy curriculum courses. SPRING/FALL

**MUSK-011, 012. Instrument Repair. 1 cr. ea.** Teaches basic skills of instrument repair.

**MUSK-021, 022. Instrument Repair. 1 cr. ea.** Continuation of MUSK-011, 012. Prereqs.: MUSK-011, 012, or consent of instructor.

**MUSK-031, 032. Instrument Repair. 1 cr. ea.** Continuation of MUSK-021, 022. Prereqs.: MUSK-021, 022, or consent of instructor.

**MUSK-041, 042. Instrument Repair. 1 cr. ea.** Continuation of MUSK-031, 032. Prereqs.: MUSK-031, 032, or consent of instructor.

**MUSK-111, 112. Piano Technology: Lecture and Practicum. 1 cr. ea.** Analysis of the acoustical construction of the piano and mechanical functions, with concentration on maintenance and repair. Prerequisite: Junior classification.

**MUSK-121, 122. Piano Technology: Lecture and Practicum. 1 cr. ea.** Continuation of MUSK-111, 112. Prerequisite: MUSK-112.

**MUSL-100. Violin Instruction. 1 cr.** Private lessons to non-music major. Permission of coordinator/instructor required. Course can be repeated.

**MUSL-111, 112. Violin Minor. 2 crs. ea.** Instruction in major and minor scales and arpeggios in three octaves, solo repertoire comparable to Kreutzer's 42 Etudes, Sevcik's Opus 9, and concerti by Seitz and Accolay.

**MUSL-121, 122. Violin Minor. 2 crs. ea.** Instruction in scales and arpeggios continued from MUSL-111, 112, and etudes, compositions, concerti, and sonatas. Prereqs.: MUSL-111, 112, or consent of instructor.

**MUSL-131, 132. Violin Minor. 2 crs. ea.** Continuation of MUSL-122. Prereqs.: MUSL-MUSP, consent of instructor.

**MUSL-141, 142. Violin Minor. 2 crs. ea.** Continuation of MUSL-132, including preparation for senior recital. Prereqs.: MUSL-131, 132, or consent of instructor.

**MUSL-211, 212. Violin Major. 4 crs. ea.** Includes scales, arpeggios, double-stopping, bow technique and suitable studies and compositions from early and contemporary areas.

**MUSL-221, 222. Violin Major. 4 crs. ea.** Continuation of MUSL-211, 212, with preparation for qualifying recital. Prereqs.: MUSL-211, 212, or consent of instructor.

**MUSL-231, 232. Violin Major. 4 crs. ea.** Includes techniques, etudes, sonatas, compositions, and concerti. Prereqs.: 221, 222, or consent of instructor.

**MUSL-241, 242. Violin Major. 4 crs. ea.** Consists of technique; review and continuation of previous material; study of etudes, sonatas, and concerti; and preparation of senior recital. Prereqs.: MUSS, MUST, or consent of instructor.

**MUTQ-100. Viola Instruction. 1 cr.** Private lessons to non-music major. Permission of coordinator/instructor required. Course can be repeated.

**MUTQ-111, 112. Viola Minor. 2 crs. ea.** Study of scales and arpeggios in two octaves; etudes, sonatas, and concerti; and solo repertoire of the difficulty comparable to Masas' Opus 36 Etudes and Eccles' Sonata in G Minor.

**MUTQ-121, 122. Viola Minor. 2 crs. ea.** Includes scales, arpeggios, double-stopping, and development of bow techniques. Prereqs.: MUTQ-111, 112, or consent of instructor.

**MUTQ-131, 132. Viola Minor. 2 crs. ea.** Continuation of technical studies with classical solo compositions. Prereqs.: MUTQ-121, 122, or consent of instructor.

**MUTQ-141, 142. Viola Minor. 2 crs. ea.** Study of scales and broken chords in three octaves through the seventh position, technical studies, etudes, and preparation for senior recital. Prereqs.: MUTQ-131, 132, or consent of instructor.

**MUTQ-211, 212. Viola Major. 4 crs. ea.** Instruction in technical studies, etudes, sonatas, and solo repertoire.

**MUTQ-221, 222. Viola Major. 4 crs. ea.** Includes technical studies, scales, arpeggios, double-stopping, and development of bow technique; suitable studies and compositions from early and contemporary eras; and preparation for qualifying recital. Prereqs.: MUTQ-211, 212, or consent of instructor.

**MUTQ-231, 232. Viola Major. 4 crs. ea.** Continuation of MUTQ-221, 222. Prereqs.: MUTQ-221, 222, or consent of instructor.

**MUTQ-241, 242. Viola Major. 4 crs. ea.** Continuation of MUTQ-231, 232. Prereqs.: MUTQ-231, 232, or consent of instructor.

**MUSM-100. Violoncello Instruction. 1 cr.** Private lessons to non-music major. Permission of coordinator/instructor required. Course can be repeated.

**MUSM-111, 112. Violoncello Minor. 2 crs. ea.** Consists of all major and minor scales and arpeggios in two octaves with various bowings; studies by Lee, Schroeder, Greutzmacher, and Alexanian; and Hindemith's Three Easy Pieces.

**MUSM-121, 122. Violoncello Minor. 2 crs. ea.** Continuation of MUSM-111, 112. Prereqs.: MUSM-111, 112, or consent of instructor.

**MUSM-131, 132. Violoncello Minor. 2 crs. ea.** Continuation of MUSM-121, 122. Prereqs.: MUSM-121, 122, or consent of instructor.

**MUSM-141, 142. Violoncello Minor. 2 cr. ea.** Continuation of MUSM-131, 132, along with preparation of senior recital. Prereqs.: MUSM-131, 132, or consent of instructor.

**MUSM-211, 212. Violoncello Major. 4 crs. ea.** Consists of major and minor scales and arpeggios in three octaves; studies by Schroeder, Popper, Dotzauer, and Klengel; and suitable compositions from string literature.

**MUSM-221, 222. Violoncello Major. 4 crs. ea.** Continuation of MUSM-211, 212. Qualifying recital. Prereqs.: MUSM-211, 212, or consent of instructor.

**MUSM-231, 232. Violoncello Major. 4 crs. ea.** Continuation of MUSM-221, 222. Prereqs.: MUSM-221, 222, or consent of instructor.

**MUSM-241, 242. Violoncello Major. 4 crs. ea.** Continuation of MUSM-231, 232, with preparation for senior recital. Prereqs.: MUSM-231, 232, or consent of instructor.

**MUSN-100. String Bass Instruction. 1 cr.** Private lessons to non-music major. Permission of coordinator/instructor required. Course can be repeated.

**MUSN-111, 112. String Bass Minor. 2 crs. ea.** Covers Simandle's Book 1; Marcello's Sonata in D Minor; The Progressive Bowing Variations; The Melodious Bass; Bowing Variations; and three Beethoven symphonies.

**MUSN-121, 122. String Bass Minor. 2 crs. ea.** Includes Bille Nos. 263 and 264, Nanny Vingt Quartre Pieces, and orchestra studies. Prereqs.: MUSN-111, 112, or consent of instructor.

**MUSN-131, 132. String Bass Minor. 2 crs. ea.** Treats Bille Nos. 262 and 303, Handel's Sonata in G Minor, orchestra studies, and Galliard's Sonata in F Major. Prereqs.: MUSN-121, 122, or consent of instructor.

**MUSN-141, 142. String Bass Minor. 2 crs. ea.** Instruction in Bille No. 303; Nanny's Kreutzer Etudes; Koussevitzky's Chanson Triste and Valse Miniature, orchestra studies, and recital preparation. Prereqs.: MUSN-131, 132, or consent of instructor.

**MUSN-211, 212. String Bass Major. 4 crs. ea.** Deals with major and minor scales and arpeggios, along with etudes and solos in all styles.

**MUSN-221, 222. String Bass Major. 4 crs. ea.** Continuation of MUSN-211, and 212. Prereqs.: MUSN-211, 212, or consent of instructor.

**MUSN 231, 232. String Bass Major. 4 crs. ea.** Continuation of MUSN-221, 222. Prereqs.: MUSN-221, 222, or consent of instructor.

**MUSN-241, 242. String Bass Major. 4 crs. ea.** Continuation of MUSN-231, 232. Prereqs.: MUSN-231, 232, or consent of instructor.

**MUSO-100. Guitar Instruction. 1 cr.** Private lessons to non-music major. Permission of instructor required. Course can be repeated.

**MUSO-105. Non-Major Guitar Class. 1 cr. ea.** Group instruction for non-music majors in music fundamentals, basic playing techniques, and repertoire of popular and classical music. Prerequisite: Student must supply own guitar.

**MUSO-111, 112. Guitar Minor. 2 crs. ea.** Open position major and minor scales, arpeggi, and chords; slurs and left hand development exercises; etudes and solos in various styles.

**MUSO-121, 122. Guitar Minor. 2 crs. ea.** Continuation of MUSO-111, 112 with moveable altered scales, arpeggi, and chord forms. Prereqs.: MUSO-111, 112 or consent of instructor.

**MUSO-131, 132. Guitar Minor. 2 crs. ea.** Continuation of MUSO-121, 122. Prereqs.: MUSO-121, 122, or consent of instructor.

**MUSO-141, 142. Guitar Minor. 2 crs. ea.** Continuation of MUSO-131, 132 with preparation for graduating recital. Prereqs.: MUSO-131, 132 or permission of instructor.

**MUSO-211, 212. Guitar Major. 4 crs. ea.** Scales, arpeggios, and chord forms; slurs and left hand development exercises; etudes and solos in various styles.

**MUSO-221, 222. Guitar Major. 4 crs. ea.** Continuation of MUSO-211, 212 with addition of ensemble works utilizing accompaniment techniques and preparation for qualifying recital. Prereqs.: MUSO-211, 212 or consent of instructor.

**MUSO-231, 232. Guitar Major. 4 crs. ea.** Continuation of MUSO-221, 222 with addition of mixed ensemble works in which guitar is featured. Prereqs.: MUSO-221, 222 or consent of instructor.

**MUSO-241, 242. Guitar Major. 4 crs. ea.** Continuation of MUSO-231, 232 with addition of a guitar concerto and preparation for the senior recital. Prereqs.: MUSO-231, 232 or consent of instructor.

**MUTR-100. Harp Instruction. Private lessons for non-music majors. 1 cr.** Permission of coordinator/instructor.

**MUTR-111, 112. Harp Minor. 2 crs. ea.** Consists of major and minor scales and arpeggios, tonal production, and etudes and solos in all styles.

**MUTR-121, 122. Harp Minor. 2 crs. ea.** Continuation of MUTR-111, 112. Prereqs.: MUTR-111, 121, or consent of instructor.

**MUTR-131, 135. Harp Minor. 2 crs. ea.** Continuation of MUTR-121, 122. Prereqs.: MUTR-121, 122, or consent of instructor.

**MUTR-141, 142. Harp Minor. 2 crs. ea.** Continuation of MUTR-131, 132. Preparation for senior recital. Prereqs.: MUTR-131, 132, or consent of instructor.

**MUSP-100. Flute Instruction. 1 cr.** Private lessons to non-music major. Permission of coordinator/instructor required. Course can be repeated.

**MUSP-111, 112. Flute Minor. 2 crs. ea.** Includes all minor and major scales and arpeggios, along with suitable studies and solos.

**MUSP-121, 122. Flute Minor. 2 crs. ea.** Continuation MUSP-111, 112. Prereqs.: MUSP-111, 112 or consent of instructor.

**MUSP-131, 132. Flute Minor. 2 crs. ea.** Continuation of MUSP-121, 122, with more advanced studies and solos. Prereqs.: MUSP-121, 122 or consent of instructor.

**MUSP-141, 142. Flute Minor. 2 crs. ea.** Continuation of MUSP-131, 132, with preparation for graduating recital. Prereqs.: MUSP-131, 132 or consent of instructor.

**MUSP-211, 212. Flute Major. 4 crs. ea.** Instruction in major and minor scales and arpeggios, along with etudes and solos in all styles.

**MUSP-221, 222. Flute Major. 4 crs. ea.** Continuation of MUSP-211, 212. Preparation for qualifying recital. Prereqs.: MUSP-211, 212 or consent of instructor.

**MUSP-231, 232. Flute Major. 4 crs. ea.** Continuation of MUSP-221, 222. Prereqs.: MUSP-221, 222 or consent of instructor.

**MUSP-241, 242. Flute Major. 4 crs. ea.** Continuation of MUSP-231, 232 with preparation for senior recital. Prereqs.: MUSP-231, 232, or consent of instructor.

**MUTU-100. Oboe Instruction. 1 cr.** Private lessons to non-music major. Permission of coordinator/instructor required. Course can be repeated.

**MUTU-111, 112. Oboe Minor. 2 crs. ea.** Consists of major and minor scales and arpeggios, tone production, and etudes and solos in all styles.

**MUTU-121, 122. Oboe Minor. 2 crs. ea.** Continuation of MUTU-111, 112. Prereqs.: MUTU-111, 112 or consent of instructor.

**MUTU-131, 132. Oboe Minor. 2 crs. ea.** Continuation of MUTU-121, 122. Prereqs.: MUTU-121, 122 or consent of instructor.

**MUTU-141, 142. Oboe Minor. 2 crs. ea.** Continuation of MUTU-131, 132, with preparation for senior recital. Prereqs.: MUTU-131, 132 or consent of instructor.

**MUTU-211, 212. Oboe Major. 4 crs. ea.** Includes major and minor scales and arpeggios, along with etudes and solos in all styles.

**MUTU-221, 222. Oboe Major. 4 crs. ea.** Continuation of MUTU-211, 212, with preparation for qualifying recital. Prereqs.: MUTU-211, 212 or consent of instructor.

**MUTU-231, 232. Oboe Major. 4 crs. ea.** Continuation of MUTU-221, 222. Prereqs.: MUTU-221, 222 or consent of instructor.

**MUTS-231, 232. Clarinet Major. 4 crs. ea.** Continuation of MUTS-221, 222. Prereqs.: MUTS-221, 222 or consent of instructor.

**MUTS-241, 242. Clarinet Major. 4 crs. ea.** Continuation of MUTS-231, 232, with preparation for senior recital. Prereqs.: MUTS-231, 232.

**MUTT-100. Bassoon Instruction. 1 cr.** Private lessons to non-music major. Permission of coordinator/instructor required. Course can be repeated.

**MUTT-111, 112. Bassoon Minor. 2 crs. ea.** Consists of major and minor scales and arpeggios, tone production, and etudes and solos in all styles.

**MUTT-121, 122. Bassoon Minor. 2 crs. ea.** Continuation of MUTT-111, 112. Prereqs.: MUTT-111, 112, or consent of instructor.

**MUTT-131, 132. Bassoon Minor. 2 crs. ea.** Continuation of MUTT-121, 122. Prereqs.: MUTT-121, 122, or consent of instructor.

**MUTT-141, 142. Bassoon Minor. 2 crs. ea.** Continuation of MUTT-131, 132, with preparation for senior recital. Prereqs.: MUTT-131, 132, or consent of instructor.

**MUTT-211, 212. Bassoon Major. 4 crs. ea.** Instruction in major and minor scales and arpeggi, along with etudes and solos in all styles.

**MUTT-221, 222. Bassoon Major. 4 crs. ea.** Continuation of MUTT-211, 212, with preparation for qualifying recital. Prereqs.: MUTT-211, 212, or consent of instructor.

**MUTT-231, 232. Bassoon Major. 4 crs. ea.** Continuation of MUTT-221, 222. Prereqs.: MUTT-221, 222, or consent of instructor.

**MUTT-241, 242. Bassoon Major. 4 crs. ea.** Continuation of MUTT-231, 232, with preparation for senior recital. Prereqs.: MUTT-231, 232, or consent of instructor.

**MUSQ-100. Saxophone Instruction. 1 cr.** Private lessons to non-music major. Permission of coordinator/instructor required. Course can be repeated.

**MUSQ-111, 112. Saxophone Minor. 2 crs. ea.** Includes major and minor scales and arpeggi, tone production, and etudes and solos in all styles.

**MUSQ-121, 122. Saxophone Minor. 2 crs. ea.** Continuation of MUSQ-111, 112. Prereqs.: MUSQ-111, 112, or consent of instructor.

**MUSQ-131, 132. Saxophone Minor. 2 crs. ea.** Continuation of MUSQ-121, 122. Prereqs.: MUSQ-121, 122, or consent of instructor.

**MUSQ-141, 142. Saxophone Minor. 2 crs. ea.** Continuation of MUSQ-131, 132, with preparation for senior recital. Prereqs.: MUSQ-131, 132, or consent of instructor.

**MUSQ-211, 212. Saxophone Major. 4 crs. ea.** Includes major and minor scales and arpeggi, along with etudes and solos in all styles.

**MUSQ-221, 222. Saxophone Major. 4 crs. ea.** Continuation of MUSQ-211, 212, with preparation for qualifying recital. Prereqs.: MUSQ-211, 212, or consent of instructor.

**MUSQ-231, 232. Saxophone Major. 4 crs. ea.** Continuation of MUSQ-221, 222. Prereqs.: MUSQ-221, 222, or consent of instructor.

**MUSQ-241, 242. Saxophone Major. 4 crs. ea.** Continuation of MUSQ-231, 232, with preparation for senior recital. Prereqs.: MUSQ-231, 232, or consent of instructor.

**MUSS-100. Trumpet Instruction 1 cr.** Private lessons to non-music major. Permission of coordinator/instructor required. Course can be repeated.

**MUSS-111, 112. Trumpet Minor. 2 crs. ea.** Instruction in major and minor scales and arpeggi, tone production, and etudes and solos in all styles.

**MUSS-121, 122. Trumpet Minor. 2 crs. ea.** Continuation of MUSS-111, 112. Prereqs.: MUSS-111, 112, or consent of instructor.

**MUSS-131, 132. Trumpet Minor. 2 crs. ea.** Continuation of MUSS-121, 122. Prereqs.: MUSS-121, 122, or consent of instructor.

**MUSS-141, 142. Trumpet Minor. 2 crs. ea.** Continuation of MUSS-131, 132, with preparation for senior recital. Prereqs.: MUSS-131, 132, or consent of instructor.

**MUSS-211, 212. Trumpet Major. 4 crs. ea.** Includes major and minor scales and arpeggi, along with etudes and solos in all styles.

**MUSS-221, 222. Trumpet Major. 4 crs. ea.** Continuation of MUSS-211, 212, with preparation for qualifying recital. Prereqs.: MUSS-211, 212 or consent of instructor.

**MUSS-231, 232. Trumpet Major. 4 crs. ea.** Continuation of MUSS-221, 222. Prereqs.: MUSS-221, 222, or consent of instructor.

**MUSS-241, 242. Trumpet Major. 4 crs. ea.** Continuation of MUSS-231, 232, with preparation for senior recital. Prereqs.: MUSS-231, 232, or consent of instructor.

**MUST-100. French Horn Instruction. 1 cr.** Private lessons to non-music major. Permission of coordinator/instructor required. Course can be repeated.



**MUST-111, 112. French Horn Minor. 2 crs. ea.** Includes major and minor scales and arpeggi, tone production, and etudes and solos in all styles.

**MUST-121, 122. French Horn Minor. 2 crs. ea.** Continuation of MUST-111, 112. Prereqs.: MUST-111, 112, or consent of instructor.

**MUST-131, 132. French Horn Minor. 2 crs. ea.** Continuation of MUST-121, 122. Prereqs.: MUSS, 121, 122, or consent of instructor.

**MUST-141, 142. French Horn Minor. 2 crs. ea.** Continuation of MUST-131, 132, with preparation for senior recital. Prereqs.: MUST-131, 132, or consent of instructor.

**MUST-211, 212. French Horn Major. 4 crs. ea.** Includes major and minor scales and arpeggi, along with etudes and solos in all styles.

**MUST-221, 222. French Horn Major. 4 crs. ea.** Continuation of MUST-211, 212, with preparation for qualifying recital. Prereqs.: MUST-211, 212, or consent of instructor.

**MUST-231, 232. French Horn Major. 4 crs. ea.** Continuation of MUST-221, 222. Prereqs.: MUST, 221, 222, or consent of instructor.

**MUST-241, 242. French Horn Major. 4 crs. ea.** Continuation of MUST-231, 232, with preparation for senior recital. Prereqs.: MUST-231, 232, or consent of instructor.

**MUSU-100. Trombone Instruction. 1 cr.** Private lessons to non-music major. Permission of coordinator/instructor required.

**MUSU-111, 112. Trombone Minor. 2 crs. ea.** Includes major and minor scales and arpeggi, tone production, and etudes and solos in all styles.

**MUSU-121, 122. Trombone Minor. 2 crs. ea.** Continuation of MUSU-111, 112. Prereqs.: MUSU-111, 112, or consent of instructor.

**MUSU-131, 132. Trombone Minor. 2 crs. ea.** Continuation of MUSU-121, 122. Prereqs.: MUSU-121, 122, or consent of instructor.

**MUSU-141, 142. Trombone Minor. 2 crs. ea.** Continuation of MUSU-131, 132, with preparation for senior recital. Prereqs.: MUSU-131, 132, or consent of instructor.

**MUSU-211, 212. Trombone Major. 4 crs. ea.** Instruction in major and minor scales and arpeggi, along with etudes and solos in all styles.

**MUSU-221, 222. Trombone Major. 4 crs. ea.** Continuation of MUSU-211, 221. Prereqs.: MUSU-211, 212, or consent of instructor.

**MUSU-231, 232. Trombone Major. 4 crs. ea.** Continuation of MUSU-221, 222. Prereqs.: MUSU-221, 222, or consent of instructor.

**MUSU-241, 242. Trombone Major. 4 crs. ea.** Continuation of MUSU-231, 232, with preparation for senior recital. Prereqs.: MUSU-231, 232, or consent of instructor.

**MUSV-111, 112. Tuba Minor. 2 crs. ea.** Instruction in major.

**MUSV-100. Tuba Instruction. 1 cr.** Private lessons to non-music major. Permission of coordinator/instructor required. Instruction in major and minor scales and arpeggi, tone production, and etudes and solos in all styles.

**MUSV-121, 122. Tuba Minor. 2 crs. ea.** Continuation of MUSV-111, 112. Prereqs.: MUSV-111, 112, or consent of instructor.

**MUSV-131, 132. Tuba Minor. 2 crs. ea.** Continuation of MUSV-121, 122. Prereqs.: MUSV-121, 122, or consent of instructor.

**MUSV-141, 142. Tuba Minor. 2 crs. ea.** Continuation of MUSV-131, 132, with preparation for senior recital. Prereqs.: MUSV-131, 132, or consent of instructor.

**MUSV-211, 212. Tuba Major. 4 crs. ea.** Consists of major and minor scales and arpeggi, along with etudes and solos in all styles.

**MUSV-221, 222. Tuba Major. 4 crs. ea.** Continuation of MUSV-211, 212, with preparation for qualifying recital. Prereqs.: MUSV-211, 212, or consent of instructor.

**MUSV-231, 232. Tuba Major. 4 crs. ea.** Continuation of MUSV-221, 222. Prerequisite: MUSV-221, 222, or consent of instructor.

**MUSV-241, 242. Tuba Major. 4 crs. ea.** Continuation of MUSV-231, 232, with preparation for senior recital. Prereqs.: MUSV-231, 232, or consent of instructor.

**MUSW-100. Percussion Instruction. 1 cr.** Private lessons to non-music major. Permission of coordinator/instructor required.

**MUSW-111, 112. Percussion Minor. 2 crs. ea.** Instruction in major and minor scales and arpeggi, tone production, and etudes and solos in all styles.

**MUSW-121, 122. Percussion Minor. 2 crs. ea.** Continuation of MUSW-111, 112. Prereqs.: MUSW-111, 112, or consent of instructor.

**MUSW-131, 132. Percussion Minor. 2 crs. ea.** Continuation of MUSW-121, 122. Prereqs.: MUSW-121, 122, or consent of instructor.

**MUSW-141, 142. Percussion Minor. 2 crs. ea.** Continuation of MUSW-131, 132, with preparation for senior recital. Prereqs.: MUSW-131, 132, or consent of instructor.

**MUSW-151, 152. Percussion Minor. 2 crs. ea.** Continuation of MUSW-141, 142. Prereqs.: MUSW-141, 142 or consent of instructor.

**MUSW-211, 212. Percussion Major. 4 crs. ea.** Includes major and minor scales and arpeggi, along with etudes and solos in all styles.

**MUSW-221, 222. Percussion Major. 4 crs. ea.** Continuation of MUSW-211, 212, with preparation for qualifying recital. Prereqs.: MUSW-211, 212, or consent of instructor.

**MUSW-231, 232. Percussion Major. 4 crs. ea.** Continuation of MUSW-221, 222. Prereqs.: MUSW-221, 222, or consent of instructor.

**MUSW-241, 242. Percussion Major. 4 crs. ea.** Continuation of MUSW-231, 232, with preparation for senior recital. Prereqs.: MUSW-231, 232, or consent of instructor.

**MUSX-011, 012. Percussion Ensemble. 1 cr. ea.** Consists of reading and performance of literature for percussion.

**MUSX-021, 022. Percussion Ensemble. 1 cr. ea.** Continuation of MUSX-011, 012. Prereqs.: MUSX-011, 012, or consent of instructor.

**MUSX-031, 032. Percussion Ensemble. 1 cr. ea.** Continuation of MUSX-021, 022. Prereqs.: MUSX-021, 022, or consent of instructor.

**MUSX-041, 042. Percussion Ensemble. 1 cr. ea.** Continuation of MUSX-031, 032. Prereqs.: MUSX-031, 032, or consent of instructor.

**MUSY-111, 112. Accompanying for Ensemble. 1 cr. ea.** Provides experience in preparation and public performance as an accompanist for varied ensembles.

**MUSY -121, 122. Accompanying for Ensemble. 1 cr. ea.** Continuation of 448-111, 112.

**MUSY-131, 132. Accompanying for Ensemble. 1 cr. ea.** Continuation of MUSY -121, 122. Prereqs.: MUSY -121, 122, or consent of instructor.

**MUSY-141, 142. Accompanying for Ensemble. 1 cr. ea.** Continuation of MUSY-131, 132. Prereqs.: MUSY-131, 132, or consent of instructor.

**MUSZ-111, 112. Piano Trio. 1 cr. ea.** Includes chamber music for piano and other instruments.

**MUSZ-121, 122. Piano Trio. 1 cr. ea.** Continuation of MUSZ-111, 112. Prereqs.: MUSZ-111, 112, or consent of instructor.

**MUSZ-131, 132. Piano Trio. 1 cr. ea.** Continuation of MUSZ-121, 122. Prereqs.: MUSZ-121, 122, or consent of instructor.

**MUSZ-141, 142. Piano Trio. 1 cr. ea.** Continuation of MUSZ- of 131, 132. Prereqs.: MUSZ-131, 132, or consent of instructor.

**MUSZ-211, 212. Chamber Ensemble. 1 cr. ea.** Chamber music playing for applied music majors.

**MUSZ-221, 222. Chamber Ensemble. 1 cr. ea.** Advanced chamber music playing for applied music majors. Prereqs.: MUSZ-211, 212, or consent of instructor.

**MUTB-111, 112. String Ensemble. 1 cr. ea.** Ensemble for the study and performance of string literature.

**MUTB-121, 122. String Ensemble. 1 cr. ea.** Continuation of MUTB-111, 112. Prereqs.: MUTB-111, 112, or consent of instructor.

**MUTB-131, 132. String Ensemble. 1 cr. ea.** Continuation of MUTB-121, 122. Prereqs.: MUTB-121, 122, or consent of instructor.

**MUTB-141, 142. String Ensemble. 1 cr. ea.** Continuation of MUTB-131, 132. Prereqs.: MUTB-131, 132, or consent of instructor.

**MUTC-111, 112. Woodwind Ensemble. 1 cr. ea.** Ensemble for the study and performance of woodwind literature.

**MUTC-121, 122. Woodwind Ensemble. 1 cr. ea.** Continuation of MUTC-111, 112. Prereqs.: MUTC-111, 112, or consent of instructor.

**MUTC-131, 132. Woodwind Ensemble. 1 cr. ea.** Continuation of MUTC-121, 122. Prereqs.: MUTC-121, 122, or consent of instructor.

**MUTC-141, 142. Woodwind Ensemble. 1 cr. ea.** Continuation of MUTC-131, 132. Prereqs.: MUTC-141, 142, or consent of instructor.

**MUTD-111, 112. Saxophone Ensemble. 1 cr. ea.** Ensemble that performs contemporary literature for the saxophone and transcribed literature.

**MUTD-121, 122. Saxophone Ensemble. 1 cr. ea.** Continuation of MUTD-111, 112. Prereqs.: MUTD-111, 112, or consent of instructor.

**MUTD-131, 132. Saxophone Ensemble. 1 cr. ea.** Continuation of MUTD-121, 122. Prereqs.: MUTD-121, 122, or consent of instructor.

**MUTD-141, 142. Saxophone Ensemble. 1 cr. ea.** Continuation of MUTD-131, 132. Prereqs.: MUTD-131, 132, or consent of instructor.

**MUTE-111, 112. Brass Ensemble. 1 cr. ea.** Ensemble that performs contemporary and standard brass music, with emphasis given to sight reading, interpretation, and musicianship.

**MUTE-121, 122. Brass Ensemble. 1 cr. ea.** Continuation of MUTE-111, 112. Prereqs.: MUTE-111, 112, or consent of instructor.

**MUTE-131, 132. Brass Ensemble. 1 cr. ea.** Continuation of MUTE-121, 122. Prereqs.: MUTE-121, 122, or consent of instructor.

**MUTE-141, 142. Brass Ensemble. 1 cr. ea.** Continuation of MUTE-131, 132. Prereqs.: MUTE-131, 132, or consent of instructor.

**MUTF-111, 112. Guitar Ensemble. 1 cr. ea.** Composing, arranging, sight-reading, and performing guitar ensemble music. Prerequisite: consent of instructor.

**MUTF-121, 122. Guitar Ensemble. 1 cr. ea.** Continuation of MUTF-111, 112. Prerequisite: MUTF-111, 112 or consent of instructor.

**MUTF-131, 132. Guitar Ensemble. 1 cr. ea.** Continuation of MUTF-121, 122. Prereqs.: MUTF-121, 122 or consent of instructor.

**MUTF-141, 142. Guitar Ensemble. 1 cr. ea.** Continuation of MUTF-131, 132. Prereqs.: MUTF- 131, 132 or consent of instructor.

**MUTH-011, 012. Marching Band. 1 cr. ea.** Performance of music for athletic contests and half-time shows at football games, various parades, pep rallies, etc. Membership open to all Howard University students.

**MUTH-021, 022. Marching Band. 1 cr. ea.** Continuation of MUTH-011, 012. Prereqs.: MUTH-011, 012, or consent of instructor.

**MUTH-031, 032. Marching Band. 1 cr. ea.** Continuation of MUTH-021, 022. Prereqs.: MUTH-021, 022, or consent of instructor.

**MUTH-041, 042. Marching Band. 1 cr. ea.** Continuation of MUTH-031, 032. Prereqs.: MUTH-031, 032, or consent of instructor.

**MUTH-111, 112. Concert Band. 1 cr. ea.** Includes the analytical study and stylistic performance of the literature for conducted wind ensembles of all sizes.

**MUTH-121, 122. Concert Band. 1 cr. ea.** Continuation of MUTH-111, 112. Prereqs.: MUTH-111, 112, or consent of instructor.

**MUTH-131, 132. Concert Band. 1 cr. ea.** Continuation of MUTH-121, 122. Prereqs.: MUTH-121, 122, or consent of instructor.

**MUTH-141, 142. Concert Band. 1 cr. ea.** Continuation of MUTH-131, 132. Prereqs.: MUTH-131, 132, or consent of instructor.

**MUTI-011, 012. Jazz Ensemble. 1 cr. ea.** Deals with Big Band Jazz; composing, arranging, performing, and recordings. Auditions required.

**MUTI-021, 022. Jazz Ensemble. 1 cr. ea.** Continuation of MUTI-011, 012. Prereqs.: MUTI-011, 012, or consent of instructor.

**MUTI-031, 032. Jazz Ensemble. 1 cr. ea.** Continuation of MUTI-021, 022. Prereqs.: MUTI-021, 022, or consent of instructor.

**MUTI-041, 042. Jazz Ensemble. 1 cr. ea.** Continuation of MUTI-031, 032. Prereqs.: MUTI-031, 032, or consent of instructor.

**MUTI-111. Jazz Workshop. 1 cr.** Small ensemble and experimental projects in jazz performance.

**MUTJ-021, 022. Orchestra. 1 cr. ea.** Continuation of MUTJ-011, 012. Prereqs.: MUTJ-011, 012, or consent of instructor.

**MUTJ-031, 032. Orchestra. 1 cr. ea.** Continuation of MUTJ-021, 022. Prereqs.: MUTJ-021, 022, or consent of instructor.

**MUTJ-041, 042. Orchestra. 1 cr. ea.** Continuation of MUTJ-031, 032. Prereqs.: MUTJ-031, 032, or consent of instructor.

**MUTL-011, 012. University Choir. 1 cr. ea.** Performing vocal ensemble open to all Howard University students. Auditions and appropriate concert and service attire required.

**MUTL-021, 022. University Choir. 1 cr. ea.** Continuation of MUTL-011, 012. Prereqs.: MUTL-011, 012, or consent of instructor.

**MUTL-031, 032. University Choir. 1 cr. ea.** Continuation of MUTL-021, 022. Prereqs.: MUTL-021, 022, or consent of instructor.

**MUTL-041, 042. University Choir. 1 cr. ea.** Continuation of MUTL-031, 032. Prereqs.: MUTL-031, 032, or consent of instructor.

**MUTM-011, 012. University Chorale. 1 cr. ea.** Consists of a predominantly a capella group, that performs more difficult literature. Audition required.

**MUTM-021, 022. University Chorale. 1 cr. ea.** Continuation of MUTM-011, 012. Prereqs.: MUTM-011, 012, or consent of instructor.

**MUTM-031, 032. University Chorale. 1 cr. ea.** Continuation of MUTM-021, 022. Prereqs.: MUTM-021, 022, or consent of instructor.

**MUTM-041, 042. University Chorale. 1 cr. ea.** Continuation of MUTM-031, 032. Prereqs.: MUTM-031, 032, or consent of instructor.

**MUTN-011, 012. University Collegium. 1 cr. ea.** Select group that specializes in the performance of the small Renaissance and Baroque vocal forms. Auditions required.

**MUTN-021, 022. University Collegium. 1 cr. ea.** Continuation of MUTN-011, 012. Prereqs.: MUTN-011, 012 or consent of instructor.

**MUTN-031, 032. University Collegium. 1 cr. ea.** Continuation of MUTN-021, 022. Prereqs.: MUTN-021, 022, or consent of instructor.

**MUTN-041, 042. University Collegium. 1 cr. ea.** Continuation of MUTN-031, 032. Prereqs.: MUTN-031, 032, or consent of instructor.

**MUTO-011. Student Recital. 0 cr.** Performances by students which afford them the opportunity to perform before their peers and others; exposes students to a large variety of musical literature.

**MUTO-012. Student Recital. 0 cr. Continuation of MUTO-011.**

**MUTO-021. Student Recital. 0 cr. Continuation of MUTO-012.**

**MUTO-022. Student Recital. 0 cr. Continuation of MUTO-021.**

**MUTO-031. Student Recital. 0 cr. Continuation of MUTO-022.**

**MUTO-032. Student Recital. 0 cr. Continuation of MUTO-031.**

**MUTO-041. Student Recital. 0 cr. Continuation of MUTO-032.**

**MUTO-042. Student Recital. 0 cr. Continuation of MUTO-041.**

**MUTP-012. Fine Arts Guitar Lab. 1 cr. ea.** Group instruction for non-music majors in music fundamentals, basic playing and teaching techniques, and repertoire of popular and classical music.

**MUTP-012,013. Fine Arts Guitar Lab. 1 cr. ea.**

**MUTP-100. Blacks in the Arts. 3 crs.** Provides students with general knowledge and understanding of the contributions of African-American artists and the interrelationship of their achievements with the world of art and culture. Students will profit from the integrated discussion and demonstration of three types of artistic expression: music, theatre, and visual art.

## **PHILOSOPHY**

**PHIL 051. Principles of Reasoning. 3 crs.** Presents the basic principles and criteria of critical analysis and elementary logic.

**PHIL 053. Introduction to Philosophy of Science. 3 crs.** Introduces the structure, process, and scope of scientific inquiry and discusses its application in the world.

**PHIL 055. Introduction to Philosophy. 3 crs.** Examination of the basic concepts and principles of philosophy concerning being, nature, knowledge, freedom, and God.

**PHIL 057. Introduction to Ethics. 3 crs.** Critical analysis of some representative standards of moral conduct, with special consideration of their practical application.

**PHIL 059. Knowledge and Value. 3 crs.** Examination of the procedures used in supporting knowledge claims and value judgments.

**PHIL 082, 083. Representative Thinkers. 3 crs.** Systematic inquiry into the philosophy of nature and man based on the outstanding works of selected thinkers who have influenced Western thought and civilization.

**PHIL 084, 085. Directed Readings for Sophomores. 1 cr. ea.**

**PHIL 088, 089. Directed Readings for Juniors. 1 cr. ea.**

**PHIL 092, 093. Senior Departmental Honors. 3 crs. ea.**

**PHIL 102. Philosophy of Life. 3 crs.** An examination of the meaning of life from various perspectives.

**PHIL 106. Problems of Philosophy. 3 crs.** Examination and application of the methods of analysis to problems of philosophy.

**PHIL 110. Classical Ethics. 3 crs.** Analysis of the nature of moral conduct, good and evil, vice and virtue, and other topics in ethics as they are treated by such classical moralists as Socrates, Plato, Aristotle, Bentham, Mill, and Kant.

**PHIL 112. Introduction to Social and Political Philosophy. 3 crs.** An introduction to the traditional themes of political philosophy concerning justice, the individual and society, and the best and worst regimes. Readings from Plato to Habermas.

**PHIL 113. Philosophy of Literature. 3 crs.** Considers three questions through close study of great writers of literature, such as Euripides, Plato, Aristotle, Shakespeare, Kafka, Camus, Heidegger, Nietzsche, Sartre, Derrida and Harris. The three questions: "What do philosophers have to learn from literature? In what sense does literature convey "truth?" How does one go about interpreting a text?"

**PHIL 114. Feminist Philosophy. 3 crs.** An exploration of the various approaches to the philosophical study and analysis of the experience and perspectives of women. These include the liberal, marxist, socialist and post-modernist approaches to feminism. The course will focus especially on the perspectives of African-American women.

**PHIL 120. Introduction to Existentialism. 3 crs.** Study of the primary themes in existentialism, with special emphasis on the differences between its humanistic and theistic branches.

**PHIL 130. Independent Study. 3 crs.**

**PHIL 135. Afro-Caribbean Philosophy. 3 crs.**

**PHIL 136. Ethiopian Philosophy. 3 crs.**

**PHIL 140. Contemporary Moral Issues. 3 crs.** A philosophical analysis of moral issues confronting contemporary society: violence, welfare, abortion, assisted suicide, war, affirmative action.

**PHIL 141. Topics in Philosophy of Language. 3 crs.** This course is an investigation of specific topics in philosophy of language with specific focus on African-American issues. Topics will vary from time to time.

**PHIL 142. Topics in African Philosophy. 3 crs.** An investigation of specific topics in contemporary African Philosophy. Topics vary from time to time.

**PHIL 143. Topics in African-American Philosophy. 3 crs.** An investigation of specific topics in contemporary African-American Philosophy. Topics vary from time to time.

**PHIL 144. Philosophy of Religion. 3 crs.** Considers the conceptions of God and the religious life in relation to problems of knowledge and value.

**PHIL 145. Islamic Philosophy. 3 crs.** A study of Islamic philosophy, focusing on major texts and systems.

**PHIL 146. Latin American Philosophy. 3 crs.** Investigation of the major philosophical systems in Latin America.

**PHIL 147. Ethics and Public Policy. 3 crs.** Philosophical investigation of the role of ethics in the formulation and execution of public policy in education, defense, health, housing, environment, etc.

**PHIL 148. Environmental Ethics. 3 crs.** Consideration of ethical issues in our interaction with the environment, including the impact of developments in technology.

**PHIL 149. Philosophy of Martin Luther King, Jr. 3 crs.** A study of the major philosophical writings of Martin Luther King, Jr. focusing on his principle of non-violence.

**PHIL 150. Epistemology. 3 crs.** Investigation of the possibility, sources, nature, and scope of knowledge, with examination of both classical and contemporary texts.

**PHIL 151. Metaphysics. 3 crs.** Examination of the fundamental nature of reality, including such topics as existence, space, time, infinity, causation, possibility, and actuality.

**PHIL 152. Aesthetics. 3 crs.** An introduction to aesthetics; a variety of theories of art, aesthetic analysis, and aesthetic judgment reviewed and evaluated, and the nature and role of the creative process in human experience are analyzed.

**PHIL 153. Philosophy of Culture. 3 crs.** A philosophical analysis of culture in its various aspects and an investigation of the cultural foundations of philosophical speculations. Issues to be discussed include the meaning of culture, varieties of cultural experiences, cultural identity, cultural pluralism, culture conflict. The course will also focus on issues of race, racism and racial conflict.

**PHIL 154. Phenomenology. 3 crs.** An examination of contemporary continental thought emphasizing the phenomenological philosophies of Husserl, Heidegger, Jaspers, Merleau-Ponty, and Sartre.

**PHIL 155. Philosophy of Law. 3 crs.** Treats the principles of jurisprudence in classical texts and recent cases.

**PHIL 156. Pragmatism. 3 crs.** An examination of the philosophy of pragmatism focusing on the contributions of its representative thinkers including Pierce and William James and on its contributions in the fields of epistemology, ethics and religion.

**PHIL 157. Philosophical Assumptions and Social Conflict. 3 crs.** Analysis of philosophical principles applicable in the explanation and evolution of social conflict, with attention given to the meaning and philosophical roots of such notions as culture, nationalism, racism, and totalitarianism. Includes comparative studies of rights, anarchism, and violence.

**PHIL 158. Business and Professional Ethics. 3 crs.** An analysis of the ethical issues raised in business practices and professional activities. Issues to be discussed include the social responsibility of business, ethical issues raised by advertising, whistle blowing, Employment Rights, Self-regulation and Theories of Economic Justice.

**PHIL 159. Philosophy of Economics. 3 crs.** Does the difference between the subject-matter of natural sciences and economics indicate an unbridgeable gulf between the methodologies of the two disciplines? What kind of science is economics? Is economics value-free or value-neutral? These are the main questions to be addressed in this course. The issue of economic justice will also be discussed.

**PHIL 160. Pre-Socratic Philosophy. 3 crs.** Deals with the birth of Greek philosophy, from prephilosophical world views to systems of the Pythagoreans and atomists.

**PHIL 161. Introduction to Plato. 3 crs.** Study of one or more of Plato's Dialogues, with attention to the dramatic context as well as philosophical argument.

**PHIL 162. African-American Philosophy. 3 crs.** An examination of the nature of philosophy and a reflection on African-American perspectives in philosophy. The course focuses especially on the context of African-American experience, issues of justice, freedom and identity.

**PHIL 163. Medieval Philosophy. 3 crs.** Major figures in Latin and Arabic traditions, from Augustine through Ockham.

**PHIL 164. Current Topics. 3 crs.** The content of this course varies from semester to semester. It may focus on issues such as the philosophy of technology, on the thought of a current or recent thinker or on an interdisciplinary theme. The course content is announced several months prior to the date the course is offered.

**PHIL 165. German Idealism. 3 crs.** Explores the texts of the chief exponents of German idealism, especially Kant, Fichte, and Hegel.

**PHIL 166. Philosophy of Language. 3 crs.** Analysis of the philosophical problems raised by the use of language, including theories meaning and the relationship between language, thought and reality.

**PHIL 167. Hermeneutics or Philosophy of Interpretation. 3 crs.** A study of selected texts in the history of interpretation and hermeneutics, with an eye to answering questions such as "Is there such a thing as an "objective" interpretation of a text?"

**PHIL 168. Seminar on Heidegger. 3 crs.** A study of the thought of Martin Heidegger. Normally several of Heidegger's books are examined and Heidegger's place in Existentialism, as well as the history of philosophy, are discussed.

**PHIL 169. Seminar on Nietzsche. 3 crs.** A study of the thought of F. Nietzsche. Normally several of Nietzsche's books are studied with an eye to Nietzsche's relationship to classical philosophy and his influence on modern philosophy (especially on Existentialism and on Deconstruction).

**PHIL 170. Ancient Greek Philosophy. 3 crs.** Reviews philosophers from ancient Greece through the Middle Ages, including the pre-Socratics, Plato, Aristotle.



**PHIL 171. Ancient Egyptian Philosophy. 3 crs.** An investigation of the contributions of ancient Egypt to philosophical scholarship; including the mutual borrowings that occurred between ancient Egypt and ancient Greece.

**PHIL 172. African Philosophy. 3 crs.** Critical examination of such traditional and modern concepts in African thought as life or existence, time, the universe, man and his place in the universe, and God.

**PHIL 173. The Ethics of Medical Care. 3 crs.** Examination of such primary topics as the morality of abortion, euthanasia, and human experimentation.

**PHIL 174. Philosophy of Natural Science. 3 crs.** Analysis of discovery, explanation, and revolution in the natural sciences, with emphasis on the role of models.

**PHIL 175. Symbolic Logic. 3 crs.** Presents the principles and techniques of analyzing and evaluating deductive arguments through symbolic representation of logical structure.

**PHIL 176. Contemporary Ethics. 3 crs.** Examination of recent ethical systems.

**PHIL 177. Philosophy of Social Science. 3 crs.** Investigation of the philosophical problems raised by method and theory in the social sciences.

**PHIL 178. Philosophy of Mind. 3 crs.** Exploration of the concept of a person, the unconscious, and the alleged privacy of mental phenomena.

**PHIL 179. History of Africana Philosophy. 3 crs.** an historical account of African and African/American philosophy from 1800 to the present. The focus of the course is on thinkers who have contributed to the shaping of African thought in the 19th and 20th centuries.

**PHIL 180. Value Theory. 3 crs.** Investigation of the general theory of value, with reference to the value problems of ethics, political theory, aesthetics, and religion.

**PHIL 181. Philosophy of Logic. 3 crs.** Discussion of views on the nature of logic and the status of its principles, with readings from Frege, Lewis, Strawson, and Quine.

**PHIL 182. Seminar on Plato. 3 crs.** Reading of selected middle and late dialogues, including Parmenides, Theaetetus, Sophist, and Philebus.

**PHIL 183. Seminar on Aristotle. 3 crs.** Reading of the Physics, De Anima, and Metaphysics.

**PHIL 184. Modern Philosophy: 17th & 18th Century. 3 crs.** Study of representative philosophers since the Renaissance, with special attention given to Descartes, Spinoza, Leibniz, Hume, Kant, and Hegel.

**PHIL 185. Rationalism and Empiricism. 3 crs.** Analysis of theories of knowledge of representative modern and contemporary writers.

**PHIL 186. Philosophy of Kant. 3 crs.** Examination of the Critique of Pure Reason.

**PHIL 187. Philosophy of Hegel. 3 crs.** Study of selected philosophical works, with attention to the Phenomenology of Spirit.

**PHIL 188. Philosophy of Kierkegaard. 3 crs.** Consideration of the major works of Kierkegaard and their influence on contemporary thought.

**PHIL 189. Nineteenth-Century Philosophy. 3 crs.** Study of idealism and naturalism, with attention to Schopenhauer, Hegel, Nietzsche, Marx, Comte, and J. S. Mill.

**PHIL 190. Contemporary Philosophy. 3 crs.** An examination of present philosophical tendencies.

**PHIL 191. Meaning and Truth. 3 crs.** Analysis of problems around the related notions of meaning and truth, including issues in the study of mind and language.

**PHIL 192. American Philosophy. 3 crs.** Review of the dominant traditions in American thought, including Calvinism, transcendentalism, idealism, pragmatism, and realism.

**PHIL 193. Comparative Philosophy.** A comparative analysis of the contemporary philosophical orientations of Western, African and Latin-American thought, focusing on ethics, metaphysics, social and political philosophy and on representative schools and individuals.

**PHIL 194. Philosophy of History 3 crs.** Consideration of critical and speculative theories of history, with attention to methodology, causation, and values.

**PHIL 195. Philosophy of Education. 3 crs.** Analysis of modern theories of education, with attention to the philosophical implications of contemporary experimental techniques.

**PHIL 196. Senior Colloquium. 3 crs.** Introduces students to topical philosophical issues through the format of colloquium in which students meet with invited philosophers who have worked on the issues.

**PHIL 197. Philosophy of William James. 3 crs.** Systematic study of James' thought, with attention to such crucial themes as moralism, pragmatism, and pure experience.

**PHIL 198. Seminar in Kant's Ethics. 3 crs.** Reading of the Critique of Practical Reason and the Metaphysics of Morals (Part II).

**PHIL 199. Asian Philosophy. 3 crs.** Investigation of four fundamental problems of Oriental philosophical traditions: man, the nature of the universe, norms of the moral life, and the validity of knowledge claims, with attention given to methodologies of Hinduism, Buddhism, Confucianism, and Taoism.

**PHIL 200. Senior Seminar. 3 crs.** Investigation of a specific philosophical problem in a seminar format. Topics vary from time to time.

**PHIL 210. Senior Honors Thesis. 3 crs.** Provides students the opportunity to work on a philosophical project with a faculty member. The outcome must be a thesis that is defended before a faculty committee. The oral defense shall be open to students.

**PHIL 712. Social & Political Philosophy (WRTG). 3 crs.**

**PHIL 770. Ancient Egyptian Philosophy (WRTG). 3 crs.**

**PHIL 783. Seminar on Aristotle. 3 crs.**

## **PHYSICS**

**PHYS 001, 002. General Physics. 5 crs. ea.** These lecture/laboratory/recitation course deals with mechanics, heat, sound, (in PHYS 001) light, electricity and magnetism, and modern physics (in PHYS 002), and are algebra-based. Prerequisites: algebra, trigonometry.

**PHYS 003. Mathematical Methods for General Physics. 3 crs.** Review and applications of basic mathematics encountered in General Physics 001, 002, 007 and 009. Problems and practical work will be stressed. Not open for credit for students taking General Physics 013, 014, and 015.

**PHYS 007. Physics for Allied Health Students. 5 crs.** This lecture/laboratory/recitation course treats the topics of general physics, with emphasis on examples for nursing and allied health students.

**PHYS 008. Physics for Architecture Students. 5 crs.** Lecture/recitation course treats mechanics, gravity, sound, thermodynamics, fluids, electricity, magnetism, light, optics, waves, and some modern physics topics with emphasis on topics of interest to architecture students.

**PHYS 010, 011. General Astronomy I, II. 3 crs.** each semester. Two-semester course. First Semester: Emphasis on the Solar System. Historical attempts to explain the observed phenomena of the sky. Techniques of contemporary astronomical science. Physical nature of the sun and planets. Life beyond Earth. Current ideas about the origin, age and fate of the Solar System. Second Semester: Emphasis on stars and galaxies. Determination of the distribution and the motions of stars and galaxies in space, their physical properties and their life histories. Violent cosmic phenomena. Expansion of the universe. Search for extraterrestrial intelligence. Two hours of lecture and two hours of laboratory each week. Prerequisites: algebra, and trigonometry.

**PHYS 012. The Astronomical Universe. 4 crs.** Survey course for non-science majors. Historical development of astronomy, structure of the solar system, properties of planets and comets, recent advances in the exploration of space, the sun and its characteristics, origin and age of the solar system. Introduction to telescopes, spectroscopy and electromagnetic radiation. Life and death of stars, structure of galaxies, cosmology of the universe. Results of space age astronomy. Three hours of lecture and two hours of laboratory each week.

**PHYS 013. General Physics for Science and Engineering Students. 3 crs.** This lecture/recitation calculus-based course deals with mechanics, heat and sound. Pre- or Coreqs.: MATH-156.

**PHYS 014. General Physics for Science and Engineering Students. 3 crs.** This lecture/recitation calculus-based course covers electricity and magnetism, light, and optics. . Pre- or Coreqs.: MATH-157.

**PHYS 015. Introduction to Modern Physics. 3 crs.** This lecture/recitation calculus-based course covers modern physics topics. Prerequisite: PHYS 014 and MATH-156, MATH-157.

**PHYS 016. Weather and Society. 3 crs.**

**PHYS 023, 024, 025. General Physics for Science and Engineering Students Laboratory. 1 cr. ea.** Laboratory courses to accompany General and Modern Physics courses PHYS 013, 014, and 015 respectively.

**PHYS 030. Earth and Space Science I. 3 crs.** Topics include an introductory overview; size & distance scale of the Universe; review /introduction to basic physical principles and remote sensing; origins of the Earth & solar system; the solid Earth, its hydrosphere, cryosphere, and atmosphere; and the near-Earth space environment. Laboratory exercises include optics, spectroscopy, study of rocks & minerals, use of star charts & globes and a small reflecting telescope. Also, weather permitting, there may be observing sessions using the Locke Hall Observatory telescope. Prereqs.: High school algebra, trigonometry, and physics (introductory college chemistry, physics & calculus recommended).

**PHYS 031. Earth and Space Science II. 3 crs.** Topics include the moon and the Earth-moon system; the sun; the solar system (major planets & satellites, and minor members); the stars; the interstellar medium; and galaxies and the Universe. Laboratory exercises include use of star charts & globes and a small reflecting telescope. Also, weather permitting, there may be observing sessions using the Locke Hall Observatory telescope. Prereqs.: PHYS-030.

**PHYS 084, 085. Directed Readings in Honors for Sophomores. 1 cr. ea.**

**PHYS 088, 089. Directed Readings in Honors for Juniors. 1 cr. ea.**

**PHYS 092, 093. Senior Departmental Honors. 3 crs. ea.**

**PHYS 140, 141. Introduction to Astronomu and Astrophysics. 3 crs. each.** Topics include celestial mechanics, light and matter, special relativity, binary systems, stellar spectra, interiors of stars, interstellar medium, stellar evolution, stellar pulsation, massive stars, remnants of stars, terrestrial planets, giant planets, minor bodies in the solar system, galaxies, active galaxies, and cosmology. Prereq. Phys. 015, Math 157.

**PHYS 143. Observational Astronomy. 3 crs.** Topics may include data sources, statistics and probability, data modeling, properties of CCD's, photometry and telescopes, spectroscopy, infrared astronomy, high energy astronomy, radio astronomy, and adaptive optics. Coreq. Phys. 140 or instructor's approval.

**PHYS 145. Cosmology & Modern Astrophysics. 3 crs.**

**PHYS 150. Atmospheric Physics I. 3 crs.**

**PHYS 154, 155. Introduction to Digital Computer Programming. 3 crs. ea.** Presents the basic concepts applicable to computers in general and coding of actual problems. Prerequisites: MATH-007 and consent of instructor.

**PHYS 174. Introduction to Biophysics. 3 crs.** Topics considered include the levels of organization within biological systems, flow of energy in living things with an introduction to the thermodynamic systems utilized in biological research; and an introduction to the physical techniques used in the study of biological systems. Prerequisites: PHYS 001 and PHYS 002 or PHYS 013 and PHYS 014.

**PHYS 175. Thermodynamics. 3 crs.** Introduces the laws of thermodynamics and applications, along with kinetic theory and statistical mechanics. Prerequisites: PHYS 002 or PHYS 013 and MATH-157 and MATH-159.

**PHYS 176. Optics. 3 crs.** Explores refraction, optical instruments, interference, diffraction, and polarization. Prerequisites: PHYS 002 or PHYS 013 and MATH-157 and MATH-159.

**PHYS 178, 179. Electricity and Magnetism. 3 crs. ea.** One-year intermediate level course that covers electrostatics, magnetostatics, electric circuits, Maxwell's equations and electromagnetic waves. Prerequisites: PHYS 002 or PHYS 014, and MATH-156, MATH-157, and MATH-159.

**PHYS 180, 181. Electronic Physics. 3 crs. ea.** This lecture/laboratory course provides a solid background in analog and digital electronics and instrumentation. The first semester involves mostly analog electronics and the second semester mostly digital electronics.

**PHYS 182, 183. Physical Mechanics. 3 crs. ea.** This one-year course examines particle and rigid body dynamics, central forces, vector analysis, oscillatory motion, and Lagrangian mechanics. Prerequisites: PHYS 001 or PHYS 013, and MATH-156, MATH-157, MATH-159.

**PHYS 186. Observational Techniques. 3 crs.** The use of a modern research telescope and its accessories. Time, coordinates, star charts and catalogues. Astronomical photography. Photoelectric photometry. Spectroscopic observations. Data reduction techniques. Two lectures and an observing or laboratory session each week. Prerequisites: An introductory astronomy course, General Physics, calculus.

**PHYS 190, 191. Quantum Physics. 3 crs. ea.** Presents atomic, molecular, solid-state, and nuclear physics, along with elements of relativity and quantum theory. Prerequisites: PHYS 183 and MATH-156, MATH-157, MATH-159.

**PHYS 192, 193. Introduction to Mathematical Physics. 3 crs. ea.** Treats vectors and tensors, linear transformations, complex variables, calculus of residues, partial differential equations of physics, Green's functions, Sturm-Liouville theory, orthogonal functions, and Fourier transform methods. Prerequisite: consent of instructor.

**PHYS 194, 195. Experimental Physics I and II. 3 crs. ea.** Research training including data reduction and error analysis for physicists. Topics include instrumental and statistical uncertainties, propagation of error, probability distributions, method of least squares, curve fitting, and experimental design. Selected experiments in mechanics, heat, optics, electricity and magnetism, atomic and nuclear physics, and electronics, and computer programming. Technical writing skills for the production of scientific publications and reports are emphasized. The course PHYS 194 is the same as PHYS 702 Experimental Physics WRTG. Prerequisite: PHYS 013/014.

**PHYS 196. Senior Thesis. (1) cr.** Research problems for senior physics majors. Prerequisites: PHYS 194 and senior status in physics.

**PHYS 702. Exper. Physics I Writing. 3 crs.**

**PHYS 990. Co-op Physics. 1 cr.**

## **POLITICAL SCIENCE**

**POLS 001. Introduction to Political Science. 3 crs.** Introduction to the basic concepts and substantive divisions of the field of political science.

**POLS 002. Introduction to Research in Political Science. 3 crs.** Introduction to the various methods and approaches to the analysis of political phenomena used in the field of political science. Prerequisite: POLS 001.

**POLS 003. Introduction to Comparative Politics. 3 crs.** Provides a basic knowledge of the functions of government as a social institution by using a comparative approach. Prerequisite: POLS 001 or POLS 010.

**POLS 004. Introduction to Political Theory. 3 crs.** Examination of theoretical approaches to the study of politics and an analytical introduction to the basic political concepts in their historical context.

**POLS 005. Introduction to African Politics. 3 crs.** Survey of certain concepts of African society as they relate to contemporary political institutions in Africa and a historical view of recent political developments before and after independence.

**POLS 006. Pan-Africanism. 3 crs.** Comparative analysis of political behavior in black communities. Satisfies Afro-American studies requirement.

**POLS 007. Introduction to Black Politics. 3 crs.** A general overview of black politics involving (1) a historical analysis of the black political experience, (2) economic and cultural aspects of the black experience, (3) black ideology and theory, (4) measurements of black political power, (5) leadership in black communities and organizations, (6) black political movements, (7) legal aspects of black politics, (8) black political behavior, and (9) critique of the methods of studying black politics.

**POLS 008. Introduction to Political Economy. 3 crs.** Focuses on the interrelationship between the political process and the economic process, involving the production, distribution and consumption of goods and services. Offers a discussion of the basic theoretical approaches that attempt to explain this interrelationship both within and between societies divided into classes, and ethnic or religious groups.

**POLS 010. The National Government of the United States. 3 crs.** Introduction to the origins, development, and organization of the U.S. government.

**POLS 011. State and Local Government. 3 crs.** Examination of the role and functions of state and local government in the U.S. federal system.

**POLS 084, 085. Directed Reading in Honors for Sophomores. 1 cr. ea.** semester. (For Honors Program students.)

**POLS 088, 089. Directed Reading in Honors for Juniors. 1 cr. ea.** semester. (For Honors Program students.)

**POLS 092, 093. Senior Departmental Honors. 3 crs. ea.** semester. (For Honors Program students.)

**POLS 125. Politics of Emerging Nations. 3 crs.** Survey of the political process in the non-Western world designed to test theories projecting the impact of modernization on governmental structure. Prerequisite: POLS 001.

**POLS 126. African Nationalism. 3 crs.**

**POLS 128. International Relations. 3 crs.** Introduction to the basic problems of international relations arising out of the power competition of states, and to the methods for the settlement of international disputes. Prerequisites: POLS 001 and POLS 003.

**POLS 138. Seminar: Community Development. 3 crs.**

**POLS 140. American Political Parties. 3 crs.** Consideration of the operation of parties under the American system of government. Prerequisite: POLS 010.

**POLS 141. American Public Opinion and Pressure Groups. 3 crs.** Examination of public opinion and its effect on political action, with emphasis on opinion formation and measurements, propaganda, and pressure group aims and activities. Prerequisite: POLS 001 or POLS 010.

**POLS 142. American Judicial Process. 3 crs.** Analyses of the federal courts and the relations and powers of federal and state governments. Prerequisites: POLS 001 and POLS 010.

**POLS 143. Black Politics: Electoral and Nonelectoral. 3 crs.** Studies the rise, fall, and reemergence of the black electorate in the United States. Satisfies English writing course requirement. Prerequisites: POLS 001 and POLS 010.

**POLS 144. The American Presidency. 3 crs.** Analyses of the sources, bases, and character of presidential power, with consideration of the relationships of the executive office to government, public, and private groups. Prerequisite: POLS 001 and POLS 010.

**POLS 145. Introduction to Public Administration. 3 crs.** Presents the basic concepts of public administration and the administrative problems of organization, procedure, personnel, financial administration, administrative law, and public relations. Prerequisites: POLS 001 and POLS 010.

**POLS 146. Public Personnel Administration. 3 crs.** Study of the basic principles of personnel management applicable to both public service and private enterprise. Prerequisite: POLS 010.

**POLS 147. Seminar in Public Administration: 3 crs.** Deals with selected problems in organization and program management, concentrating on action programs, goals and priorities, the process of creating new organizations and programs, citizen participation, special-interest control of programs, interprogram coordination, and program evaluation, with particular reference to factors governing success and failure. Prerequisites: POLS 001, POLS 145, and POLS 146.

**POLS 148. Government and Politics of the District of Columbia. 3 crs.** A study of the government and politics of the District of Columbia, focusing on relations between Congress and the local government during the current home rule period.

**POLS 149. Introduction to Public Policy Analysis. 3 crs.** Introduces students to the basic theories and concepts of policy analysis, with particular emphasis on the policy-making process at the federal level; examines such selected policy issues as welfare, health insurance, and housing; and seeks to assess the impact of policy decisions on blacks, the poor, and other minorities. (See also POLS 145, POLS 147, and POLS 148.)

**POLS 150 (fall semester), POLS 151 (spring semester). Internship in Political Science. 3-6 crs.** Limited internship opportunities available to political science majors in the local community, or in federal or local government. Interns work 15-20 hours per week, depending on the agreement and their schedules. Three credit hours may be awarded per semester for each internship. A maximum of six credit hours may be awarded if the student takes POLS 150 and POLS 151.

**POLS 152. Internship III. 3-12 crs.** Students may register for this course only with the permission of the instructor. Permission will be given to students who win national or regional internship competitions for placements in settings such as the Supreme Court, the White House, and the State Department. Credit hours will be awarded based on the hours per week required by the internship.

**POLS 153. Internship IV. 6 crs.**

**POLS 159. Simulation of International Organizations. 3 crs.** This course examines the organization, role, and performance of regional international organizations through simulation (modeling) augmented by class lectures and briefings at various embassies and diplomatic missions. The North Atlantic Treaty Organization (NATO) and the Organization of African Unity (OAU) will be highlighted. Students from various universities will participate.

**POLS 160. American Political Thought. 3 crs.** A study of the origins and development of American political thought from the colonial period to the present. Prerequisite: Junior standing

**POLS 162. Seminar in Survey Methods. 3 crs.** Allows participants to design and implement a survey. Prerequisite: POLS 002.

**POLS 163. Constitutional Law I (Theory). 3 crs.** Historical development of constitutional law, demonstrating how the law has grown and changed in relationship to the political and social climate existing at the time. Prerequisite: POLS 001, 010.

**POLS 164. Constitutional Law II. 3 crs.** Presents the rights of individuals and groups under the U.S. Constitution as interpreted by the U.S. Supreme Court in selected landmark cases. Prerequisite: POLS 001, 010.

**POLS 165. Urban Political Economy. 3 crs.** Uses tools of political economy to examine critical urban problems. Concentrates on understanding the political economy perspective as well as applying this analytic approach to the study of such problems as the fiscal crisis of the cities, urban structure and movements, and the crisis in some key areas such as housing, education, employment, poverty, transportation, crime, etc.

**POLS 166. Russian Politics. 3 crs.** An examination of post communist Russia and the international and domestic forces that gave rise to it. The course explores Russian's foreign and domestic policies and the CIS system. Prerequisites: POLS 003 and 1POLS 28.

**POLS 167. Socialism. 3 crs.** The essentials of modern socialistic thought. Strong emphasis on the basics of Marxism.

**POLS 169. Problems of Southern Africa. 3 crs.** Analyzes the political problems in Angola, Mozambique, Republic of South Africa, Zimbabwe, Lesotho, Botswana, and Swaziland. Prerequisite: POLS 005.

**POLS 170. Government and Politics of Central America and the Caribbean. 3 crs.** Presents the present political developments in Mexico, the Central American republics, and the Caribbean. Prerequisite: POLS 001.

**POLS 171. Government and Politics of South American Countries. 3 crs.** Studies political institutions and structures in Latin American states south of Panama. Prerequisites: POLS 001 and POLS 003.

**POLS 172. Government and Politics of the Far East. 3 crs.** Explores the constitutional structure and political development of Mainland China, Taiwan, Japan, and Korea. Prerequisite: POLS 001.

**POLS 173. Government and Politics of the Middle East and North Africa. 3 crs.** Study of the government structure of countries of the Middle East and Northern Africa. Prerequisite: POLS 001 or POLS 128.

**POLS 174. Government and Politics of South Asia. 3 crs.** Study of nation building in India, Pakistan, Ceylon, and Nepal. Prerequisite: POLS 001.

**POLS 175. Government and Politics of Southeast Asia. 2 crs.** Covers the political situation in Malaysia, Burma, Thailand, Laos, Cambodia, Vietnam (North and South), and Indonesia. Prerequisite: POLS 001.

**POLS 176. Government and Politics in Tropical Africa. 3 crs.** Examines the political and governmental developments and problems in the states of Tropical Africa. Prerequisite: POLS 005.

**POLS 178. American Foreign Policy. 3 crs.** Survey of the objectives and the formulation of American foreign policy. Prerequisite: POLS 128.

- POLS 179. Foreign Policies of the Major Powers. 3 crs.** Survey of the basic policies of the contemporary major powers: Great Britain, the Soviet Union, France, Germany, Japan, and China. Prerequisite: POLS 128.
- POLS 180. Urban Government and Politics. 3 crs.** Involves study of the urbanization and growth of cities; development, structure, theory, functions, and politics of modern municipalities; and administrative organization and process. Prerequisite: POLS 010.
- POLS 181. The American Legislative Process. 3 crs.** Examination of the machinery and function of lawmaking in the United States. Prerequisite: POLS 010.
- POLS 183. Race and Public Policy. 3 crs.** Combines perspectives from the fields of black politics and public policy and administration to develop a theoretical perspective on the convergence of race and public policy, and a set of policy relevant strategies on important problems and issues of special relevance to the national black community. Prerequisites: POLS 007 and/or POLS 149, or permission of instructors.
- POLS 184. Problems in American Democracy. 3 crs.** Examination of selected major issues of public policy, long-term and current forces, and problems challenging contemporary society. Interdisciplinary in method and content. Prerequisites: students in the social sciences with junior standing and above; also POLS 001 and POLS 010.
- POLS 185. Political Behavior. 3 crs.** Deals with American political behavior. Covers theory, method and products of scientific study of American politics and American political behavior. Open to majors or minors in political science with junior standing or above. (Offered once a year.)
- POLS 186. Administrative Law. 3 crs.** Study of cases, illustrating how the conduct of public officials is regulated. Prerequisite: POLS 142 or POLS 145.
- POLS 187. Urban Black Politics. 3 crs.** A survey of the major forces at work in the metropolitan area that are radically changing urban and suburban politics, including the politics of social change and of modernization. Prerequisites: Political science majors and minors with junior standing and above; POLS 011.
- POLS 189. Black Political Theory. 3 crs.** Study of developing types of political strategy based on the analysis of various black political situations, utilizing gaming, role playing, systems analysis, and other relevant techniques.
- POLS 190. Classical and Medieval Thought. 3 crs.** Presents political theorists from Plato through the theorists of the medieval period. Prerequisites: Majors or minors with junior standing or above.
- POLS 191. Modern Political Theory. 3 crs.** Study of the ideas and historical social contexts of political theorists of the Renaissance through the nineteenth century.
- POLS 192. Contemporary Approaches to Political Theory. 3 crs.** Study of the ideas and historical-social contexts of twentieth century political theorists.
- POLS 193. Special Topics in Political Theory. 3 crs.** In depth study of important topics and/or writers in political theory. Prerequisite: Open to majors in political science with junior or senior standing.
- POLS 194. Politics of Campaign Management. 3 crs.** Designed to give the student an opportunity to learn and gain experience in the practical aspects of politics. Where convenient, direct involvement in political campaigns will provide first-hand experience. Prerequisite: Junior, senior, or graduate standing.
- POLS 195. Nationalism and Revolution. 3 crs.** Explores the theories of revolution in modern times, the relationship between nationalism and revolution, and their impact in selected countries. Prerequisite: Junior status or above.
- POLS 196. Seminar in Black Political Behavior. 3 crs.** Seeks to develop accurate conceptualization of the substance of black political behavior by examining interaction between the class and real political situations. A secondary, though no less important



objective, is to apply these concepts to the analysis of ongoing problems with which the black community is chronically confronted. Prerequisites: POLS 143 and junior status.

**POLS 197. Comparative Political Parties. 3 crs.** Comparative analysis of political party systems of selected countries. Prerequisites: POLS 001 open to majors and minors with junior standing or above.

**POLS 198. The United Nations and Regional Organization. 3 crs.** Study of the origin, structure, procedure, and current status of the United Nations and an analysis of the structure and functions of various regional organizations. Prerequisite: POLS 128.

**POLS 199. Behavioral Research Methods. 3 crs.** The fundamentals of Research Design, data collection and analysis, elementary statistics and computer use. Prerequisite: POLS 002.

## **PSYCHOLOGY**

**PSYC 050. Introductory Psychology. 3 crs.** Lecture course, an introduction to basic concepts in psychology: Includes learning, perception, motivation, personality, abnormal, social, and developmental psychology.

**PSYC 051. Experimental Psychology. 4 crs.** Laboratory exercises in learning, perception, and cognition.

**PSYC 063. Research methods and Statistics, 4 crs.** This lecture/laboratory course teaches descriptive statistics, probability theory, statistical inference, and correlation in the context of research problems.

**PSYC 064. Research Methods and Statistics II. 4 crs.** Continuation of PSYC 063, including analysis of variance, selected comparisons regressions analysis, and nonparametric methods. Prerequisite: PSYC 063.

**PSYC 084, 085. Directed Readings in Honors for Sophomores. 1 cr. ea.**

**PSYC 088, 089. Directed Readings in Honors for Juniors. 1cr. ea.**

**PSYC 092, 093. Senior Departmental Honors. 3 crs. ea.**

**PSYC 102. Perception. 3 crs.** Sensory and perceptual processes and their dynamics. Prerequisite: PSYC 060 and PSYC 063.

**PSYC 103. Attention. 3 crs.**

**PSYC 105. Learning. 3 crs.** Data, theories and issues with an emphasis on human learning. Prerequisites: PSYC 050 and PSYC 063.

**PSYC 110. Brain and Behavior. 3 crs.** Examines the relationship between brain function and behavior Prerequisite: PSYC 050.

**PSYC 116. Abnormal Psychology. 3 crs.** The psychology of behavior disorders. Prerequisites: PSYC 050 and PSYC 052.

**PSYC 118. Developmental Psychology. 3 crs.** Deals with the developmental aspects of basics psychological processes. Prerequisite: PSYC 050 or PSYC 052.

**PSYC 119. Cognition. 3 crs.** Information processing, thinking, memory, and language.

**PSYC 120. Psychological Testing. 4 crs.** This lecture/laboratory course consists of the basic concepts in psychological testing and use of psychological tests. Prerequisite: PSYC 063 and PSYC 050. Prerequisites: PSYC 063.

**PSYC 123. Personality Theory. 3 crs.** Study of the major theories of personality. Prerequisite: PSYC 050.

**PSYC 125. General Social Psychology. 3 crs.** Introduction to the theories and issues of social psychology: individual, interpersonal, and cultural factors in behavior, and the role of perception, attitudes, and motivation. Prerequisite: PSYC 050.

**PSYC 126. Experimental Social Psychology. 3 crs.** Examination of human social behavior, with emphasis on research methods. Prerequisite: PSYC 050.

**PSYC 127. Human Motivation. 3 crs.** Study of the motives generated and maintained in the context of interpersonal relations. Prerequisite: PSYC 050.

**PSYC 128. Personality Research. 3 crs.** Analysis of the dynamics of personality through empirical research literature. Prerequisite: PSYC 050.

**PSYC 129. Media & Psychology. 3 crs.**

**PSYC 139. Junior Research. 3 crs.**

**PSYC 140. Practicum in Psychology. 3 crs.** Supervised field placement. Approval of instructor required.

**PSYC 141. Cross-Cultural Psychology. 3 crs.** This course explores culture-related variations in behavior. Non-Western research and thought have helped to extend the range of our knowledge in various areas such as culture and cognition, perception, and personality. Acculturation, cross-cultural methods, and measurement problems will be considered.

**PSYC 142. Psychology of Gender. 3 crs.** A survey of gender issues affecting individuals and society.

**PSYC 143. Junior Research. 3 crs.** Individual supervised research.

**PSYC 144. Junior Research II. 3 crs.**

**PSYC 150. History and Systems. 3 crs.** presents a historical overview and the major theories of psychology. Prerequisite: PSYC 050.

**PSYC 154. Senior Seminar. 3 crs.** Treats current topics in psychology. Open to senior majors or minors only.

**PSYC 156. Senior Research. 3 crs.** The student will conduct a research project under the direction of a faculty member. Prerequisite: Senior status.

**PSYC 157. Senior Research. 3 crs.**

**PSYC 160. Psychology of Race and Racism. 3 crs.** Intensive inquiry into racial differences in psychological characteristics and the psychological dynamics of racism. Prerequisite: PSYC 050.

**PSYC 161. Psychology and the Black Experience. 3 crs.** Examines the experience of blacks in American from the psychological point of view; historical, clinical, and laboratory sources are reviewed. Prerequisite: PSYC 050.

**PSYC 170. Computers in Psychological Research. 3 crs.** Applications in the behavioral and social sciences. Prerequisites: PSYC 063.

**PSYC 171. Psychopharmacology. 3 crs.** Uses the fundamentals of experimental psychology and pharmacology as building blocks for conventional current approaches to drugs and learning behavior as operant conditioning, drug screening procedures, behavioral toxicology, and behavioral teratology. Prerequisite: Consent of instructor.

**PSYC 174. Intro to Clinical Psychology. 3 crs.** An introduction to the basic concepts and practices of the field of Clinical Psychology.

**PSYC 175. Psychology of Family Issues. 3 crs.** Prereq: PSYC 050

**PSYC 176. Drugs and Human Behavior. 3 crs.** Explores the psychological, pharmacological, and physiological aspects of drugs and human behavior. Prerequisites: PSYC 050.

**PSYC 179. Environmental Psychology. 3 crs.**

**PSYC 180. Departmental Honors. 1 cr.**

**PSYC 184. Marc. Rec. Lecture-Lab. 1 cr.**

**PSYC 185. Industrial-Organizational Psychology. 3 crs.**

**PSYC 193. Marc. Research Seminar (WRTG). 1 cr.**

**PSYC 267. Attention. 3 crs.**

**PSYC 703. Attention (WRTG). 3 crs.**

**PSYC 716. Abnormal Psychology (WRTG). 3 crs.** The psychology of behavior disorders taught with an emphasis on writing papers. Limited enrollment.

**PSYC 741. Cross-Cultural Psychology. 3 crs.**

**PSYC 991. Psychology Co-op. 1 cr.**

## **SOCIOLOGY**

**\*SOCI 001. Introduction to Sociology. 3 crs.** Basic concepts in sociology including the nature and functioning of groups, the individual and the group, social processes, and social change.

**\*SOCI 003. Social Problems. 3 crs.** An analysis of major institutional problem areas in American society, with particular focus on the interplay between structural and sociopsychological level factors. Attention is also given to social policies designed to ameliorate problematic situations.

**SOCI 020. Introduction to Social Psychology. 3 crs.** Analyzes the development of human nature and personality as products of social interaction and culture.

**\*SOCI 070. Introduction to Criminology. 3 crs.** Covers the nature and extent of crime and proposes policies for the treatment of crime and criminals.

**\*SOCI 071. Juvenile Delinquency. 3 crs.** Discusses the nature and extent of delinquency, community and personality factors in delinquent behavior, theories and methods of treatment and preventive measures.

**\*SOCI 072. Juvenile Justice System. 3 crs.** An examination of the historical development and contemporary forms of treatment of juvenile offenders, with special emphasis on the functioning of these approaches in American society.

**\*SOCI 074. Corrections. 3 crs.** An analysis of correctional approaches and strategies as well as an evaluation of their effectiveness relative to theories of penology.

**\*SOCI 079. Internship. 3 crs.** Integration of fieldwork in criminal justice agencies with criminological theory. (NOTE: by permission only)

**SOCI 100. Social Theory and Society. 3 crs.** Presents social theories before the nineteenth century and the subsequent development of sociology. Applies various theories to society today, connecting theory with practice and social policy.

**SOCI 101. History of Social Thought. 3 crs.** Examines the thoughts of pre-Socratic thinkers to Renaissance thinkers.

**SOCI 102. Directed Readings in Honors for Sophomores. 1 cr.** Includes readings, reports, and discussions around selected topics in sociology.

**SOCI 103. Directed Readings in Honors for Sophomores. 1 cr.** Continuation of SOCI 102.

**SOCI 104. Directed Readings in Honors for Juniors. 1 cr.** Consists of readings, reports, and discussions of classical works in the field and of contemporary journal literature.

**SOCI 105. Directed Readings in Honors for Juniors. 1 cr.**

**SOCI 106. Senior Departmental Honors. 3 crs.** Independent investigation of a topic of interest to the qualified senior student under the supervision of a staff member. Results are presented as an honors thesis which must be defended in an oral examination.

**SOCI 108. Senior Review. 3 crs.** Review and analysis of sociological topics, concepts, theories and issues through focused discussions and written assignments. Major objective is to integrate materials of the major.

**\*SOCI 110. Elementary Statistics. 3 crs.** Focuses on statistical methods applied to social data, employing measures of central tendency, dispersion, bivariate tests for significant differences and association, and simple regression.

**\*SOCI 111. Sociological Methods. 3 crs.** Basic methods and techniques employed in sociological research.

**SOCI 119. Advanced Statistics I. 3 crs.** Focuses on the application of multivariate statistical methods to social data, employing two measures: linear regression and analysis of variance. Prerequisite: SOCI 110.

**SOCI 121. Collective Behavior. 3 crs.** Explores mobs, panics, mass behavior, public opinion, propaganda, social movements, revolutions and reform as incipient changes in the social order.

**SOCI 130. Principles of Demography. 3 crs.** Overview of demographic variables, with emphasis on fertility, morbidity, migration, and urbanization and the relationships between population growth and other social and economic factors.

**SOCI 131. Introduction to Human Ecology. 3 crs.** Focuses on the interrelationships between population, resources, and environment; the implications for population growth; natural and human resources utilization; and environmental concern. Approach adapted from demography and human ecology.

**SOCI 132. Population. 3 crs.** Deals with the volume, composition, quality, growth, trends, and distribution of population, along with the relationship of populations to social organization.

**SOCI 133. Women in Development. 3 crs.** Discusses critical theoretical research issues, associated with international development, focusing on the position of women in various cultural contexts.

**SOCI 140. Urban Sociology. 3 crs.** Examines the urban community, its patterns, and its institutions, and includes supervised projects in urban research materials and techniques.

**SOCI 150. Social Stratification. 3 crs.** Examination of the causes and social, economic, and psychological effects of differentials in rank and status in society.

**SOCI 151. Sociology of Poverty. 3 crs.** Examines the underlying causes and the social, psychological, and political consequences of poverty; the socioeconomic characteristics and family life of the poor; and the community services and programs designed to alleviate poverty.

**SOCI 155. Sociology of Power. 3 crs.** Analyzes power in the contemporary content, then in general perspective, with special emphasis on its role in social change.

**SOCI 160. The Sociology of Afro Americans (formerly Negro in America). 3 crs.** Examines blacks as a minority group in American society.

**SOCI 161. Problems of the Black Community. 3 crs.** Study of the social structure of the black community and social movements directed towards social change.

**SOCI 165. Intergroup Relations. 3 crs.** Comparative survey of majority-minority relations, determining factors, consequences for groups and individuals, and strategies for altering. Prerequisite: SOCI 020.

**\*SOCI 170. Principles of Criminal Justice. 3 crs.** Analyzes the various segments of the criminal justice system, including the means by which these segments depend upon each other for their perpetuation, and compares the theoretical purposes of the criminal justice system and its present-day practices.

**\*SOCI 172. Social Change and the Criminal Justice System. 3 crs.** An analysis of the impact of social, economic, and political change on the structure and function of key criminal justice agencies. Prerequisite: SOCI 070 or SOCI 170.

**\*SOCI 173. Deviance and the Community. 3 crs.** Study of the types of individual and institutional forms of deviance, with an assessment of theoretical approaches to it.

**\*SOCI 174. Police, Law, and Society. 3 crs.** Examination of the role of the police and their use and misuse of law, with attention to society's role in controlling and approving police practices, along with the part society plays in encouraging and approving police malpractice.

**\*SOCI 175. Sociology of Law. 3 crs.** Examination of law as a form of social control; analysis of relationships between law and society.

**\*SOCI 176. Victimology. 3 crs.** Examination of the offender-victim relationship as a causative factor in crime.

**SOCI 180. The Family. 3 crs.** Explores the family as a social institution, the relation of the family to the community, family organization and disorganization, and the family and personality development.

**SOCI 183. Introduction to Medical Sociology. 3 crs.** Overview of the development of social medicine and the sociology of medicine, examining major areas of activity in medical sociology. Distinction is made between sociology of medicine and sociology in medicine, with concentration on the former.

**SOCI 184. Seminar: Sociology of Mental Health. 3 crs.** Deals with sociological theories and the etiology of mental disorder; research on social epidemiology and ecology; the impact of social structure; popular conceptions of mental health and deviance; and emerging ideologies of mental disciplines.

**SOCI 186. Death and Dying. 3 crs.** Reviews research and theory relating to attitudes and behavior relating to death and dying.

**SOCI 188. Family Life Laboratory I. 3 crs.** Provides analysis of dramatic techniques, including imagery exercise and spontaneous role playing. Explores life history method for understanding problems of family life.

**SOCI 189. Sociology of Work. 3 crs.** Focuses on social aspects of the organization of work in industrial society; relations between cultural and industrial organization, and interrelationships among industrial, political, familial, and educational institutions.

**SOCI 772. Social Change in the Criminal Justice System (WRTG). 3 crs.**

**SOCI 773. Deviance and the Comm. (WRTG). 3 crs.**

**SOCI 786. Death & Dying (WRTG). 3 crs.**

## **THEATRE ARTS**

*THAC = Acting Program Course*

*THDN = Dance Program Course*

*THEA = Theatre Education Course*

*THFD = Theatre Foundation Course*

*THMT = Musical Theatre Program Course*

*THPD = Pre-Directing Course*

*THTA = Theatre Arts Administration Program Course*

*THTT = Theatre Technology Program Course*

**\*NOTE:** Many of the courses listed have laboratory hours. Laboratory hours allow for practical application of the theoretical approach addressed in both classroom exercises and lectures. Lab hours vary depending on the expectations and/or demands of the class/production. All students should anticipate committing additional time outside of classroom instruction for Lab work.

### **Acting**

**THAC 004. Theatre Practicum IV. 1 cr.** Continuation of above. Prerequisite: THAC 003.

**THAC 014. Voice for the Stage. 3 crs.** Development of the vocal techniques for the actor.

**THAC 015. Diction for the Stage. 3 crs.** Introduction to phonetics and placement of sounds for effective speech.

**THAC 016. Phonetics/Dialects. 3 crs.** Analysis of techniques of various dialects based on phonetics and phonology. Prerequisite: THAC 014.

**THAC 017. Speech for the Microphone. 3 crs.** The objective of this course is to emphasize the importance of effective vocal techniques for state, film and TV production and to aid the student in formulating a practical, systematic approach to more effectively communicate ideas using microphones. Spring only.

**THAC 020. Introduction to Acting: For Non-Majors. 3 crs.** An introduction for non-majors to the problems and techniques of acting through history, theory, and practice. Appreciation of the actor's function as a creative artist through selected readings, exercises and play attendance. Examination of the actor's craft through improvisation and exercises, physical and emotional skills. Each section limited to sixteen (16) students.

**THAC 021. Acting: Techniques I. 3 crs.** Development of the acting instrument and the processes and techniques of the actor. Improvisations and beginning scenes: textual analysis to perceive acting problems, personal involvement, selecting and accomplishing stage tasks. Prerequisite: Consent of instructor based on audition. Fall semester only.

**THAC 022. Acting: Techniques II. 3 crs.** Practical exploration of the actor's craft through improvisation and exercises in physical and psychological action; problems in the use of imagination, observation and research as tools for exploring the script. Prerequisite: THAC 021. Spring Semester only.

**THAC 023. Acting: Techniques III. 3 crs.** Development of acting skills and sensory awareness. Beginning scene study, textual analysis. Prerequisite: THAC 022. Fall semester only.

**THAC 024. Acting: Techniques IV. 3 crs.** Continuation of Techniques III. Prerequisite: THAC 023. Spring Semester only.

**THAC 025. Movement for the Stage. 3 crs.** Development of body usage and awareness, spatial improvisation, basic movement or skills and warm-up techniques. Prerequisite: Consent of instructor. Fall Semester only.

**THAC 026. Stage Combat. 2 crs.** Fundamentally a movement course. Introduces fencing, and incorporates the three major weapons: the epee, the sabre, and the foil. Also emphasizes unarmed combat techniques, involving movement patterns in

boxing, karate and wrestling and the application of these activities toward creating the illusion of combative reality on the stage. Spring Semester only.

**THAC 027. Audition Techniques. 1 cr.** Preparation of monologues, work on prepared and cold readings, resume, and marketing techniques. Prerequisite: Consent of instructor. Class is limited to fifteen (15) students.

**THAC 030. Beginning Directing. 3 crs.** Presents the fundamentals of script analysis, blocking casting procedures, compositions, and stage business and their relationship to technical theatre.

**THAC 071. Creativity: Theatre and Life. 3 crs.** Using the theories of Viola Spolin, Daniel Pink, Rollo May, Edward de Bono, Eric Maisel and Michael Michalko, Creativity in Drama and Life is designed to enhance the students ability to understand and utilize their creative abilities. This course will aid in freeing the student to explore their mind, voice and body in an original and deeply creative manner. Each student will be challenged to become aware of processes that aid them in ridding themselves of mental and physical tension, improve their focusing skills, and to take bold and spontaneous risks (both written and improvised). In addition, this course is geared towards making the student aware of the application of the creative process to fields beyond theatre. This class will also engage the student through using the principles of teamwork and leadership to involve them in honest and conscientious self and peer assessment, and, to expose the student to techniques of creative application in order to drastically improve their creativity and ability to communicate that creativity through communication and interaction with others.

**THAC 106. Film/TV Performance. 3 crs.** A study of the special technical aspects of acting before a camera. Prerequisite: Consent of instructor. This course requirement may be substituted by THAC 211.

**THAC 107. Forms of Entertainment. 3 crs.** Designed to familiarize the student with various selected forms of entertainment, from both a scholarly and practical perspective. Prerequisite: Consent of instructor.

**THAC 108. Introduction to Dinner Theater. 3 crs.** Teaches the techniques of producing and directing a dinner theatre.

**THAC 110. Dramatic Interpretation. 3 crs.** Introduces the student to the analysis and interpretation of various type of literature. During the course of study, the student will become acquainted with the techniques of poetry, narrative, cold readings and reader's theatre.

**THAC 120. Acting: Character Study. 3 crs.** Exploration of the characterization, text analysis and the synthesis of voice, speech and movement as well as appreciation of choices and obligation in the development of the characters. Prereqs: THAC 023, THAC 024. Fall semester only.

**THAC 121. Acting: Scene Study. 3 crs.** Continuation of Character Study (THAC 120) with special emphasis on character work and performance techniques. Prerequisite: THAC 120. Spring semester only.

**THAC 122. Acting: Styles I. 3 crs.** Extension of focus upon acting of techniques and scene study and problems of form and content in poetic drama. Material of heightened prose will also be explored in terms of speech and action. Prerequisite: THAC 121. Fall semester only.

**THAC 123. Acting: Styles II. 3 crs.** Exploration of selected styles of acting from an historical perspective. Prerequisite: THAC 025 and THAC 122.

**THAC 128. Seminar in Acting. 3 crs.** Continuation of work in styles leading to performance in full stage production. Prerequisite: THAC 122. Course restricted to graduating seniors in Performing Arts only. Spring semester only.

**THAC 201-208. Independent Study for Each Area of Concentration 4 crs.** Designed by the teacher and student to pursue a particular area of interest in theatre. This is an elective course and cannot be substituted for a required course. Prerequisite: Consent of instructor.

**THAC 200. Theatre Workshop. 2 crs.** A series of master classes in theatre conducted by guest artists-in-residence. Prerequisite: Admission by consent of chairman and faculty only.

**THAC 209-01. Drama Internship. 3 crs.** This course is designed to provide an on-site experience and an introduction to the economic and administrative aspects of American theatre, especially as they apply to repertory, community and educational organizations.

**THAC 209-02. Drama Internship: Acting. 3 crs.** This course is designed to provide an on-site internship experience for senior level actors at area theatres such as the Folger and Arena Stage.

**THAC 211. Acting for Film and TV (I) 3 crs.** This course generally taught by a guest artist, is for juniors and seniors only. A professional course which provides hands on experience in acting techniques for the camera. Prerequisite: Consent of instructor.

**THAC 212. Acting for Film and TV (II) 3 crs.** Continuation of above. Prerequisite: Consent of instructor.

### ***Dance Arts***

**THDN 001. Modern Dance Technique I. 2 crs.** Beginning fundamentals of modern dance in the Katherine Dunham and/or Martha Graham technique. Fall semester.

**THDN 002. Modern Dance Technique II. 2 crs.** Beginning- intermediate modern technique in Dunham and/or Graham for dance majors. Prerequisite: THDN 001, or consent of instructor. Spring semester.

**THDN 003. Modern Dance Technique III. 2 crs.** Intermediate modern technique in Dunham and/or Graham for dance majors. Prerequisite: THDN 002, or consent of instructor. Fall semester.

**THDN 004. Modern Dance Technique IV. 2 crs.** Intermediate-advanced levels of modern technique in Dunham and/or Graham for dance majors. Prerequisite: THDN 003, and or consent of instructor. Spring semester.

**THDN 007. Ballet I. 2 crs.** Fundamentals and terminology of classical ballet. Fall semester.

**THDN 008. Ballet II. 2 crs.** Development of specific approach to classical form of ballet (Cechetti, English, Bourneville, etc.) Prerequisite: THDN 007, or consent of instructor. Spring semester.

**THDN 009. Ballet III. 2 crs.** Intermediate level of specific techniques in classical ballet (Cechetti, English, Bourneville, etc.). Prerequisite: THDN 008, or consent of instructor. Fall semester.

**THDN 021. Dance Composition I. 2 crs.** Theoretical and practical application of compositional skills in dance; movement themes and variations, motifs, etc., choreographer's role in the structuring of dance works. Fall semester.

**THDN 022. Dance Composition II. 2 crs.** Continuation of Dance Composition I and application of improvisation as a choreographic tool in the creative process of compositional development. Prerequisite: THDN 021. Spring semester.

**THDN 200. Dance/Theatre Practicum. 2 crs.** Beginning study and development in performance and major production as it applies to public presentations, professional exposure and development of the music, rhythm, sound costumes, scenery design and rehearsal of choreography. Spring semester.

**THDN 015. African Dance I. 2 crs.** Emphasis on a specific region (Ghana, Senegal, Guinea, Gambia, Ivory Coast, etc.) of traditional African dance movements, history and music. Spring semester.

**THDN 016. African Dance II. 2 crs.** Examination and practice of traditional African dance movements, history and music from a specific region (Cameroon, Gabon, Rwanda, Congo, Zaire, etc.) Prerequisite: THDN 015, or consent of instructor. Fall semester.

**THDN 046. African Dance III. 2 crs.** This course generally taught by guest artists is a studio course in application of traditional African dance movements, history, and music from a specific region (Ethiopia, Kenya, Tanzania, Mozambique, South Africa, etc.) for stage performance. Prerequisite: THDN 016, or consent of instructor. Spring semester.

**THDN 065. Beginning Tap. 2 crs.** Studio practice in the dance form derived from the traditional fast footwork steps of African Americans, using syncopated rhythms. Spring semester.



**THDN 039. Artist and Dance Experience I. 2 crs.** Course designed to experience the actual depth of dance inclusive of independent responsibilities that include assignments with instructors, artistic directors, administrators, choreographers, and dance companies.

**THDN 040. Artist and Dance Experience II. 2 crs.** The continuing course that focuses on practical application of the requirements for total involvement and development as an artist preparing to enter the dance arts profession. Prerequisite: THDN 039. Spring semester.

### ***Theater Education***

**THEA 170. Methods and Principles of Teaching Drama. 3 crs.** Methodology and principles of teaching dramatic arts on the secondary level; a prerequisite for practice teaching. Prerequisite: Consent of instructor. Juniors only. Course is restricted to Drama majors.

**THEA 171, 172. Independent Study. Directed Studies in Theatre Education. 3 crs.** Designed by the teacher and student to pursue a particular area of interest in theatre education. Prerequisite: Junior or senior standing and consent of instructor.

### ***Theater Foundation***

**THFD 010. Introduction to Theatre. 3 crs.** Study of the theatre in terms of its critical, historical aesthetic, and practical aspects, focusing on the relationship between theatre and society in various periods.

**THFD 040. Playwriting I. 3 crs.** Involves the development of the play script from premise to scene, teaching basic craftsmanship in developing characters, plot, and dialogue. Prereqs: ENGL 002, ENGL 003, THFD 080, THFD 083.

**THFD 041. Playwriting II. 3 crs.** Traces the development of the play script from a scene to a one-act play. Prerequisite: THFD 040 and consent of instructor.

**THFD 042. Playwriting III. 3 crs.** An advanced course in play/script preparation. Prerequisite: THFD 040, THFD 041 and consent of instructor.

**THFD 043. Playwriting IV. 3 crs.** A continuation of Playwriting III. Prereqs: THFD 040, THFD 041, THFD 042 and consent of instructor.

**THFD 070. Children's Theatre: History and Philosophy. 3 crs.** Study of the historical and philosophical development of the children's theatre movement in America and Europe.

**THFD 080. Play Analysis. 3 crs.** Critical analysis of dramatic literature with regard to plot, theme, and character, approached from the director's and actor's viewpoints. Prerequisite: ENGL 002, ENGL 003.

**THFD 081. Play Reading. 3 crs.** Continuation of Play Analysis. Prerequisite: THFD 080 and consent of instructor.

**THFD 083. Introduction To Playwriting. 3 crs.** Course is designed to expose students to dramatic structure of representative genres and utilize those skills gained in the reading and analysis of selected dramatic literature. Prerequisite: THFD 080.

**THFD 180. Theatre History I. 3 crs.** Examines the major movements, trends and styles in theatre and dram from antiquity through late 18th century. Prerequisite: THFD 080, THFD 083.

**THFD 181. Theatre History II. 3 crs.** Examines the major movements, trends and styles in theatre and drama from 18th century through early 20th century. Prerequisite: THFD 180.

**THFD 183. Contemporary Trends and Issues in American Theatre. 3 crs.** Examines issues and trends in American theatre from the mid 1960's to the present. Includes the study of development of Regional Theatre, Off-off Broadway, Black American Theatre, the "Happening," Environmental Theatre and Theatre in American Colleges and Universities. Prerequisite: THFD 181, or consent of instructor.

**THFD 185. Development of Black American Theatre and Drama: 19th Century to Present. 3 crs.** Survey course in the development of Black American theatre and drama from 19th century to present. Prerequisite: Consent of instructor.

**THFD 188. Seminar in Dramatic Criticism. 3 crs.** An advanced program of study in dramatic criticism. Student expected to complete an advance project.

### *Musical Theatre*

**THMT. Intro to Music Theory for Musical Theatre. 3 crs.** This course is designed to provide a strong, foundational introduction to the rudiments of theory as used in Western Music, focused on the rules and traditions set forth in the Period of Common Practice. Using material from 20th century American (and international) Musical Theater pedagogy, the course provides a basic, but specific entrance into the study of music theory.

**THMT 042. Ear Training / Sight Singing for Musical Theatre I. 2 crs.**

This course is designed to introduce students to the concepts and techniques of sight singing. Students study a variety of methodologies including solfège, interval training, movable and immovable “do,” and relative pitch memory. Prerequisite: Intro to Music Theory for Musical Theatre (THMT 041)

**THMT 043. Ear Training / Sight Singing for Musical Theatre II. 2 crs.**

This course is designed to continue the study of reading music as a singer, pitch recognition and prediction and further analysis and training of melodic and harmonic singing. Using material from 20th century American (and international) Musical Theater pedagogy, the course provides a variety of ways into quickly reading, understanding and performing musical theater works. Prerequisite: Ear Training / Sight Singing for Musical Theatre I (THMT 042)

**THMT 044. Musical Theater Standards. 2 crs.**

This course is designed to utilize the skills of previous Ear Training courses to familiarize students with the general canon of American Musical Theater repertoire. This course is taught as an “Independent Study,” meeting only at determined days and times to review student progress. Prerequisite: Ear Training / Sight Singing for Musical Theatre II (THMT 043)

**THMT 067. Beginning Jazz. 2 crs.** Contemporary and specific technique (traditional jazz dance, Luigi, Giordani, etc.) Spring semester.

**THMT 101. Musical Theatre Techniques I (THMT 101) 3 crs.**

This course is designed to introduce students to the craft of storytelling through song. Acting techniques are combined with vocal techniques as well as exercises in lyric interpretation and dramatic shaping to bring students to honest, organic presentations of solo sung material. Prerequisite: Acting Character / Scene Study II (THAC 024)

**THMT 102. Musical Theatre Techniques II. 3 crs.**

Prerequisite: Musical Theatre Techniques I (THMT 101)

Building on the concepts of Musical Theatre Techniques I, students expand their synthesis of musical theater through the study of scene-to-song, duets and movement.

**THMT 103. Musical Theatre Techniques III. 3 crs.**

Prerequisite: Musical Theatre Techniques II (THMT 102)

The primary objective of Musical Theatre Techniques III is to build upon and further develop the concepts of storytelling through song and movement, as taught in Musical Theater Techniques I and II, through mounting a one-act book musical. Through guided instruction, students will learn how to:

1. Link all of the studied disciplines and their individual mechanics to provide the solid technical foundation necessary to effectively communicate complete concepts AND physically sustain the demands of performance.
2. Understand, communicate with and adhere to the vision of a show's directing and design team.
3. Understand, create and develop unique, complete and consistent performances, both as an individual artist and as a member of an ensemble.

**THMT 104. Musical Theatre Techniques IV. 3 crs.**

Prerequisite: Musical Theatre Techniques III (THMT 103)

This primary objective of Musical Theatre Techniques IV is the successful completion of a 35-45 minute solo cabaret presentation. Classes, workshops, seminars, symposia and other supplemental coursework are all designed to bring the student to a high quality culminating performance.

**THMT 105. History of Music Theatre. 3 crs.** A historical survey course of the development, progression, contributions, and structure of the musical theatre form. The course will examine related forms such as opera and musical comedy.

**THMT 111. Voice for Musical Theatre I. 1 cr.**

An introduction to proper vocal technique. Through the classroom/group setting, students learn about the anatomy/physiology of the voice and its usage (lectures) and fundamental exercises on building foundational vocal technique (breathing, support and placement labs).

**THMT 112. Voice for Musical Theatre II. 1 cr.**

Prerequisite: Voice for Musical Theatre I (THMT 111)

A continuation of Voice for Musical Theatre I. Students continue foundational vocal technique study through smaller group labs. This course culminates in a "Freshman Showcase," where students apply material in conjunction with other musical theater elements in an open performance.

**THMT 113. Voice for Musical Theatre III. 1 cr.**

Prerequisite: Voice for Musical Theatre II (THMT 112)

In one-on-one lessons, students begin delving into the uniqueness of their individual voices and how to healthily use them. Particular attention is given to unifying the registers of the voice across the *passaggio* (*una voce*). Focusing on application of foundational techniques through limited, directed literature (classical vocalises and traditional musical theater), students also begin wedding technique with artistic expression.

**THMT 114. Voice for Musical Theatre IV. 1 cr.**

Prerequisite: Voice for Musical Theatre III (THMT 113)

A continuation of Voice for Musical Theatre III. Literature is expanded to include contemporary musical theater.

**THMT 115. Voice for Musical Theatre V. 1 cr.**

Prerequisite: Voice for Musical Theatre IV (THMT 114)

Continuing with private instruction and building on concepts and experience from Voice for Musical Theater IV, students further explore more advanced vocal techniques through more difficult and varied song selections. Students use performances (Wednesdays at Noon) to further develop skills in applying vocal technique to aid in storytelling.

**THMT 116. Voice for Musical Theatre. 1 cr.**

Prerequisite: Voice for Musical Theatre V (THMT 115)

Further advanced vocal technique and storytelling study. Students continue their performance development through Wednesdays at Noon performances. Students explore a much larger and broader repertoire of material.

**THMT 117. Voice for Musical Theatre VII. 2 crs.**

Prerequisite: Voice for Musical Theatre VI (THMT 116)

Using material and repertoire gained from previous semesters of Voice for Musical Theatre I through VI, students begin choosing material for their final Senior Cabaret as well as identify songs and formally develop their Audition Book. Students study a variety of genres of music, including pop, R&B, gospel, rock, etc.

**THMT 118. Voice for Musical Theatre VIII. 2 crs.**

Prerequisite: Voice for Musical Theatre VII (THMT 117)

This course is designed specifically to support the quality vocal execution of the final Senior Cabaret. Students also continue work on their Audition Book and any additional vocal material requested by the instructor.

***Pre-Directing***

**THPD 031. Beginning Directing II. 3 crs.** Continuation of the above. Prerequisite: THPD 030.

**THPD 032. Intermediate Directing I (Styles). 3 crs.** Exploration into various styles of stage direction and the history of the director. Prerequisite: THPD 030 and consent of instructor. Fall semester only.

**THPD 033. Intermediate Directing II (Periods). 3 crs.** Focus on spot problems of individual student directors, scene work. Prereqs: THPD 030, THPD 032 and consent of instructor. Spring semester only.

**THPD 034. Directing: Reader's Theatre/ Adaptations. 3 crs.** This course is aimed towards learning how to adapt literature and poetry to the stage and how to direct stage readings of both new and old plays. Prerequisite: Consent of instructor.

**THPD 135. Directing Seminar: Apprenticeship/ Community or Professional Theatre. 3 crs.** Individual projects in directing in cooperation with community or professional theatre.

**THPD 138. Independent Study: Directing. 3 crs.** Designed by student and instructor to pursue a specific area of interest in directing. Project may be in cooperation with Department, community or professional theatre. Prereqs: Consent of instructor and THPD 030, THPD 032, THPD 033.

**THPD 139. Senior Seminar. 3 crs.** Exploration of communication between directors, actors, technicians and administrators in scene work culminating in a student directed production. Prerequisite: Consent of instructor and THPD 190.

### *Theatre Arts Administration*

**THTA 089. Aesthetics. 3 crs.** An introduction to aesthetics; a variety of theories of fine arts; an evaluation and review of dramatic aesthetic analysis and judgment. Analysis of the nature and role of the creative process in the human experience.

**THTA 090. Introduction to Theatre Management I. 3 crs.** This course is designed to provide an introduction to the economic and managerial aspects of American theatre, especially as they apply to repertory, community, and educational organizations. The course aims to relate principles of business management to the theatre, to evaluate theatre management to date and to suggest new directions for the future. Emphasis will be placed on the practical and contemporary aspects of the field. Classroom work will be supplemented by administrative assignments related to the Department's stage productions. Fall semester only.

**THTA 091. Introduction to Theatre Management II. 3 crs.** Continuation of above. Prerequisite: THTA 090

**THTA 092. Intermediate Theatre Administration Lec/Lab. 3 crs.** Fundamentals of box office operations; theatre facilities management and operations; public relations for the theatre including advertising, publicity and audience development, with supervised lab including production responsibilities in each of three areas of study.

**THTA 093. Intermediate Theatre Administration Lab. 2 crs.** Continuation of the lab components above. Prerequisite: THTA 092

**THTA 190. Seminar in Theatre Administration. 3 crs.** Teaches problem solving with regard to the development of the professional and community theatre. Prerequisite: Juniors and Seniors only.

### *Theatre Technology*

**THTT 001. Theatre Practicum I: Rehearsal and Performance. 1 cr.** Supervised laboratory experience in technical theatre, construction techniques, scenery, costumes, lighting, and props; production mounting and performance.

**THTT 002. Theatre Practicum II: Rehearsal and Performance. 1 cr.** Continuation of the above. Prerequisite: THAC 001.

**THTT 003. Theatre Practicum III. 1 cr.** Continuation of above. Prerequisite: THAC 002.

**THTT 005. Theatre Practicum V. 1 cr.** Continuation of above. Prerequisite. THAC 004.

**THTT 006. Theatre Practicum V. 1 cr.** Continuation of above. Prerequisite. THAC 005.

**THTT 007. Theatre Practicum V. 1 cr.** Continuation of above. Prerequisite: THAC 006.

**THTT 008. Theatre Practicum: House Management. 1 cr.** Supervised laboratory experience in theatre administration, publicity and house management.

**THTT 009. Advance Practicum IX. 2 crs.** Advanced section of Practicum for Stage Managers, Assistant Directors, Crew Heads, etc. Prerequisite: Consent of instructor.

**THTT 050. Introduction to Technical Theatre. 3 crs.** The fundamentals of methods, vocabulary, materials and facilities employed in technical theatre.

**THTT 051. Basic Stage Lighting. 3 crs.** A beginning course in the principles and practices of stage lighting, with emphasis on the equipment and procedures used in typical theatre facilities and productions.

**THTT 052. Basic Stagecraft. 3 crs.** An introduction to the materials, techniques, and equipment used in the construction, handling, and maintenance of scenery and properties for the stage; and to acquaint students with the art of scene design.

**THTT 053. Costume for the Theatre. 3 crs.** Teaches fundamental techniques and theories of designing and executing stage costumes, with period research, color, and fabrics studied in relation to the actor, director, and designer.

**THTT 057. Stage Make-up/Lab. 3 crs.** Introduction to the fundamental aspects of theatrical make-up, hair design, and the construction and use of prosthetics.

**THTT 058. Tech Production I. 3 crs.** A supervised laboratory course in the practice of stagecraft, stage lighting, stage sound, state properties, stage costuming, stage make-up and special effects with emphasis on the equipment and procedures used in typical theatre facilities and productions.

**THTT 059. Tech Production II. 3 crs.** Continuation of Tech I.

**THTT 148. Playwriting Seminar I. 3 crs.** An advanced program of study in playwriting. Prerequisite: Consent of instructor.

**THTT 149. Playwriting Seminar II. 3 crs.** Continuation of Playwriting Seminar I. Prerequisite: THTT 148 and consent of instructor.

**THTT 150. Sound for the Theatre. 3 crs.** An extensive course in the theory, equipment, and techniques used to achieve both live and recorded sound for the stage. The course will include experimentation with contemporary concepts and materials. Prerequisite: THTT 050 and consent of instructor.

**THTT 151. Intermediate Stage Lighting. 3 crs.** Emphasizes the design process, and includes the mechanical and conceptual elements of both the lighting plot and the realized product. Basic drafting skills are required. Prerequisite: THTT 051 and consent of instructor.

**THTT 152. Intermediate Stagecraft. 3 crs.** A continuing course in the principles and practices of stagecraft which emphasizes the more specialized areas of stagecraft and stage properties. The course also include the techniques for working with new or seldom used materials. Prerequisite: THTT 052 and consent of instructor.

**THTT 153. Intermediate Costume for the Theatre. 3 crs.** Advanced course in teaching fundamental techniques and theories of designing and executing stage costumes, with period research, color, and fabrics studied in relation to the actor, director, and designer.

**THTT 154. Design I. 3 crs.** Introduction to drafting procedures and graphic techniques for the stage. Prereqs: THTT 051, 482-002 and consent of instructor.

**THTT 155. Design II. 3 crs.** The study of styles, principles, and mechanics of scenic design. Projects will include color sketches, scale drawings, and scale models. Prerequisite: THTT 154 and consent of instructor.

**THTT 156. Stage Management. 3 crs.** To explore the methods and principles used to organize and supervise the performance personnel and production crews from the pre-audition period through the post-production meetings; to develop an understanding of all the responsibilities of an efficient stage manager and how to best satisfy the needs of all the production personnel. Prerequisite: THTT 030 and consent of instructor.

**THTT 157. Special Projects in Technical Theatre. 3 crs.** An in depth exploration of advanced and special areas of technical theatre. Prereqs: THTT 051, THT 052 and consent of instructor.

**THTT 159 Seminar in Technical Theatre. 3 crs.** An advanced program of study in technical theatre practice including: design, props, costuming, stage management, and technical theatre research. Students will be expected to complete an advanced project. Prereqs: THTT-151, or THTT-152, or THTT-153 and consent of instructor.

**THTT 209. Drama Internship. 3crs.** for Theatre Technology

This course is designed to provide an on-site internship experience and a practical introduction to the technical and administrative aspects of American theatre, especially as they apply to repertory, community and educational organizations. Proposals must be approved by the technical theatre faculty. Prereqs: THTT-151, or THTT-152, or THTT-153 and consent of instructor.

## **WORLD LANGUAGES & CULTURE**

### *Arabic*

**ARAB 001. Arabic I. 3 crs.** This course provides an introduction to the basic language skills (speaking, listening, reading and writing). A proficiency-oriented approach is used in the course.

**ARAB 002. Arabic II. 3 crs.** A continuation of ARAB 001.

**ARAB 003. Arabic III. 3 crs.** An intermediate level course designed to further enhance speaking, listening, reading, and writing in Arabic. Cultural activities are included. Prereq: ARAB 002 or equivalent.

**ARAB 004. Arabic IV. 3 crs.** A continuation of ARAB 003.

**ARAB 040, Intensive Grammar Review, 3crs.** A core course in the major-minor sequence which includes a thorough review of and practice with major elements of French grammar. Prereq: ARAB 004.

**ARAB 050, Oral Expression I. 3 crs.** A course designed to develop speaking and listening skills through a variety of instructional strategies. Prereq: ARAB 004.

**ARAB 051, Oral Expression II. 3 crs.** A continuation of ARAB 050 or the equivalent.

**ARAB 190, Independent Study I. 3 crs.** Designed to provide independent study/research under the guidance of a faculty advisor or the equivalent. Prerequisite: Permission of Instructor.

**ARAB 191, Independent Study II. 3 crs.** Advanced independent study/research under the guidance of a faculty advisor or the equivalent. Prerequisite: Permission of Instructor.

### *Chinese*

**CHIN 001. Chinese I. 3 crs.** This course provides an introduction to the basic language skills (speaking, listening, reading and writing). A proficiency-oriented approach is used in the course.

**CHIN 002. Chinese II. 3 crs.** A continuation of CHIN 001.

**CHIN 003. Chinese III. 3 crs.** An intermediate level course designed to further enhance speaking, listening, reading, and writing in Chinese. Cultural activities are included. Prereq: CHIN 002 or equivalent.

**CHIN 004. Chinese IV. 3 crs.** A continuation of CHIN 003.

**CHIN 050. Oral Expression I. 3 crs.** A course designed to develop speaking and listening skills through a variety of instructional strategies. Prereq: CHIN 004

**CHIN 190, Independent Study. 3 crs.** Designed to provide independent study/research under the guidance of a faculty advisor or the equivalent. Prerequisite: Permission of Instructor.

**CHIN 191, Independent Study II. 3 crs.** Advanced independent study/research under the guidance of a faculty advisor or the equivalent. Prerequisite: Permission of Instructor.

### *French*

**FREN 001. French I. 3 crs.** A course which provides an introduction to the basic language skills (comprehension, speaking, reading, and writing) with emphasis on proficiency.

**FREN 002. French II. 3 crs.** Continuation of FREN 001, with additional drills to increase attention in class to the relationship between speaking and writing. Prereq: FREN 001 or the equivalent.

**FREN 003. French III. 3 crs.** Continued development of audio-lingual and written skills, with reading, oral discussion and continued presentation of grammar and syntax. Prereq: FREN 002 or the equivalent.

**FREN 004. French IV. 3 crs.** Intensive reading of texts dealing with literature and culture with emphasis on speaking and writing along with vocabulary expansion.

**FREN 012. Intensive French I & II. 6 crs.** First part of a concentrated two-semester course that allows the student to complete the language requirement in one year. No prerequisites.

**FREN 013. Intensive French III & IV. 6 crs.** Continuation of FREN 012. Prereq: FREN 012 or equivalent.

**FREN 014. Introduction to Humanities I. 3 crs.** The first part of two-semester core course for freshmen designed to enhance their understanding of great and enduring themes of humanistic inquiry. Students read literary and philosophical works of major historical significance and value from a contemporary viewpoint. Students explore themes such as cultural collision and resolution, concentrating on various aspects of the epic tradition.

**FREN 015. Introduction to Humanities II. 3 crs.** The second part of a two-semester core course for freshmen. In this course students study the relationship of the self to the other, with all its attendant considerations, and concentrate on generic distinctions between comedy and tragedy in drama, autobiography, and fiction. Prerequisite: FREN 014.

**FREN 040. Intensive Grammar Review. 3 crs.** A core course in the major-minor sequence which includes a thorough review of and practice with major elements of French grammar. Prereq: FREN 004.

**FREN 050. Oral Expression I. 3 crs.** A course designed to develop speaking and listening skills through a variety of instructional strategies. Prereq: FREN 004.

**FREN 051. Oral Expression II. 3 crs.** A continuation of FREN 050 or the equivalent.

**FREN 052. Reading and Writing Workshop. 3 crs.** Designed to develop the specific skills of reading and writing in French. Prereq: FREN 004.

**FREN 055. Advanced Oral Expression. 3 crs.** Designed to foster advanced proficiency in sustained speech in French. Prereq: FREN 051 or the equivalent.

**FREN 060. Textual Analysis. 3 crs.** Transitional course designed to prepare students for the analysis of texts, studies from the literary and linguistic points of view. Develops a keener objective appraisal of the written word and permits a more refined sense of criticism. Prereq: FREN 052.

**FREN 064. French for the News Media. 3 crs.** For students interested in working with the news media, includes writing of newspaper articles and preparation and interpretation of sketches for broadcasting programs etc. Prereq: FREN 052 or the equivalent.

**FREN 065. Simultaneous Interpretation I, 3 crs.** Introduces students to the basic techniques of escort, consecutive, and particularly simultaneous interpretation. Prerequisite: 3 semesters of a foreign language or the equivalent.

**FREN 066. Simultaneous Interpretation II 3 crs.** Focuses on more advanced techniques of simultaneous and consecutive interpretation. Prerequisite: Simultaneous Interpretation I or the equivalent.

**FREN 077. Advanced Grammar and Composition. 3 crs.** Course in advanced prose writing, stressing control of syntactic structures and stylistic devices. Prereq: FREN 040.

**FREN 078. Business French. 3 crs.** Prepares students to deal with the business community and business correspondence in French. Prereq: FREN 077.

**FREN 082. Survey of French Literature and Civilization I. 3 crs.** A study of French literature of the Middle Ages through the 17th Century. Prereq: FREN 060.

**FREN 083. Survey of French Literature and Civilization II. 3 crs.** A continuation of FREN 082 covering the 18th, 19th and the 20th centuries. Prereq: FREN 060.

**FREN 084. Survey of AFRO French Civilization and Literature. 3 crs.** Survey of AFRO French contributions to literature and culture. Prereq: FREN 060.

**FREN 085. Survey of AFRO Caribbean Literature. 3 crs.** Survey of AFRO Caribbean literature of French expression. Prereq: FREN 060.

**FREN 093, 094. Directed Readings for Sophomores. 1 cr. ea.**

**FREN 095,096. Directed Readings for Juniors. 1 cr. ea.**

**FREN 098, 099. Senior Department Honors. 3 crs. ea.**

***N.B. The following 2 courses are part of the Humanities Sequence.***

**FREN 100. Francophone Literature in English. 3 crs.** Study of masterpieces of literature in translation. Genre to be chosen by the instructor.

**FREN 107. Women in Literature. 3 crs.** An introduction to the role of women in the humanities. Investigates women as authors and subjects in Philosophy, German, Russian, Classics, English and the Romance Languages. The faculty will come from the individual departments.

***The following 100 level courses are offered during alternate years and are open to undergraduate students who have completed FREN 082/083 or the equivalent.***

**FREN 110. Medieval French Literature. 3 crs.** Analysis of representative works of the Middle Ages from La Chanson de Roland to Francois Villon, with the texts examined in a general socio-historical context. Prereq: FREN 080.



**FREN 115. Sixteenth Century: Renaissance. 3 crs.** Examination of France's cultural heritage in the 16th century with the evolution of literary forms studied against the backdrop of cultural transformation. Readings from Ronsard, Rabelais, Du Bellay, Calvin, and Montaigne.

**FREN 120. Seventeenth Century Literature. 3 crs.** Drama and Prose readings from Descartes, Pascal, Bossuet, Mme de Sevigne, Boileau, Mme de Lafayette, La Bruyere, Corneille, Moliere, and Racine.

**FREN 125. Eighteenth Century Literature. 3 crs.** Survey course covering the philosophical and social ideology of the Age of Enlightenment in France. Prereq: FREN 083.

**FREN 130. Nineteenth Century Literature. 3 crs.** Representative selection of writings from the literary movements of the period.

**FREN 140. Twentieth Century Literature. 3 crs.** A study of major literary currents and writers from 1900 to present.

**FREN 150. Franco-Caribbean Civilization and Literature. 3 crs.** Study of sociopolitical and literary trends in French-speaking countries.

**FREN 160. Francophone Africa: Civilization and Literature. 3 crs.** Study of texts reflecting historical, cultural and literary evolution in Francophone Africa.

**FREN 171. French Linguistics. 3 crs.** Analysis of the phonology, morphology, syntax and semantics of French. Prereq: FREN 040.

**FREN 172 French Phonology. 3 crs.** Intensive study of the sounds of the French language through symbols and spellings. Prereq: FREN 040.

**FREN 177. Introduction to French-English Translation. 3 crs.** Designed to develop beginning skills in translation from French into English. Prereq: FREN 040.

**FREN 178. Advanced French-English Translation. 3 crs.** Continuation of FREN 177.

**FREN 187. Educational Methods in Foreign Language Teaching. 3 crs.** Introduction to methods, materials, and techniques in foreign language instruction.

**FREN 190. Independent Study I. 3 crs.** Designed to provide independent study/research under the guidance of a faculty advisor or the equivalent. Prerequisite: Permission of Instructor.

**FREN 191. Independent Study II. 3 crs.** Advanced independent study/research under the guidance of a faculty advisor or the equivalent. Prerequisite: Permission of Instructor.

**FREN 194. Francophone Film. 3 crs.** Study of France and francophone countries through film, from cultural, sociological and technical points of view.

### ***German***

**GERM 001. German I. 3 crs.** Designed to teach students to communicate in German by focusing on useful vocabulary and everyday situations. Students will acquire skills in listening, speaking, reading and writing German while gaining insight into the culture of German-speaking countries. No prerequisite.

**GERM 002. German II. 3 crs.** Reinforces the range of skills practiced in German 001, while focusing on expanding the student's vocabulary and fluency. The emphasis is on active participation as a means of expanding speaking, listening, reading and writing skills introduced in German 001. Students are prepared to handle real situations in foreign culture. Prerequisite: GERM 001 or equivalent.

**GERM 003. German III. 3 crs.** Advances study of the German language with an audiovisual approach. Literary readers are studied. Prerequisite: GERM 002 or equivalent.

**GERM 004. German IV. 3 crs.** Advanced course in which the student reads the most recent German prose. Composition and speaking are emphasized. Prerequisite: GERM 003 or equivalent.

**GERM 005. German for Music Students. 3 crs.** Emphasis on pronunciation of German. Intensive study of German "Lieder" texts and the 19th-century tradition from which they come.

**GERM 010. Scientific German. 3 crs.** Reading course for science majors and for those pursuing the professional courses in medicine and dentistry. Prerequisite: GERM 003 or equivalent.

**GERM 011. Business German. 3 crs.** Focuses on the German market economy, the structure of German corporations, banking system, in addition to promoting the mastery of German business terminology.

**GERM 012. Intensive German I. 6 crs.** Intensive. Video-format approach to learning German based on the Dartmouth Intensive Language Model. No prerequisite.

**GERM 013. Intensive German II. 6 crs.** Continuation of GERM 012. Prerequisite: GERM 012.

**GERM 014. Introduction to Humanities I, 3 crs.** is the first part of a two-semester core course for freshmen designed to enhance their understanding of great and enduring themes of humanistic inquiry. Students read literary and philosophical works of major historical significance and value from a contemporary viewpoint. Students explore themes such as cultural collision and resolution, concentrating on various aspects of the epic tradition.

**GERM 015. Introduction to Humanities II, 3 crs.** is the second part of a two-semester core course for freshmen In this course students study the relationship of the self to the other, with all its attendant considerations, and concentrate on generic distinctions between comedy and tragedy in drama, autobiography, and fiction. Prerequisite is Humanities I.

**GERM 040, Intensive Grammar Review. 3 crs.** A core course in the major-minor sequence which includes a thorough review of and practice with major elements of French grammar. Prereq: GERM 004.

**GERM 065. Simultaneous Interpretation I, 3 crs.** Introduces students to the basic techniques of escort, consecutive, and particularly simultaneous interpretation. Prerequisite: 3 semesters of a foreign language or the equivalent. Prereq: GERM 004 or equivalent.

**GERM 066. Simultaneous Interpretation II, 3 crs.** Focuses on more advanced techniques of simultaneous and consecutive interpretation. Prerequisite: Simultaneous Interpretation I or the equivalent.

**GERM 084, 085. Directed Readings for Sophomores. 1 cr. each.**

**GERM 088, 089. Directed Readings for Juniors. 1 cr. each.**

**GERM 092, 093. Senior Departmental Honors. 3 crs. each.**

**GERM 100. Individual and Society. 3 crs.** Centers around the success or failure of the individual coming to terms with society, as presented by selected German writers. Divisional Studies A. Open to all students. No knowledge of German required.

**GERM 101. Literature of Love. 3 crs.** Explores the concept of "love" in the Western world. It begins with a representative work from the Age of Courtly Love and ends with a contemporary work about a child who is denied love, *The Bluest Eye*. Divisional Studies A. Open to all students. No knowledge of German required.

**GERM 107. Women in Literature. 3 crs.** An introduction to the role of women in the humanities. Investigates women as writers and their contributions to the disciplines of philosophy. German, Russian, classics, English and the Romance languages. Because

of the interdisciplinary nature of the course, it will be team-taught by faculty from the departments in the Humanities Division. (See also CLAS 107; ENGL 107; FREN 107; and HUM 108).

**GERM 109. Northern Myths and Legends. 3 crs.** A survey of the great myths, epics and romances in Icelandic, Welsh, German, French and English medieval literature. Divisional Studies A. Open to all students. No knowledge of German required.

**GERM 111. Classic Films in English. 3 crs.** Acquaints students with 14 classic German and Soviet films, the historical eras they depict, and their importance to the history of film-making. Divisional Studies A. Open to all students. No knowledge of German required.

**GERM 112. Scandinavian Films and Dramas. 3 crs.** A multi-media course surveying the dramas of Ibsen and Strindberg and the films of Igmarr Bergman. No prerequisites. Open to all students.

**GERM 114. The Film and the Novel. 3 crs.** Discussion of a select number of novels (or novellas) in comparison with their film versions, emphasizing the virtues and the limitations of each art form. No prerequisites. Open to all students.

**GERM 115. Marxism and Literature. 3 crs.** An introduction to Marxist interpretations of literature, and the arts in general from Marx and Engels to the present. No prerequisites. Open to all students.

**GERM 116. Freud, Jung and Literature, 3 crs.** Explores the trends in 20th-century criticism to interpret literature from a psychoanalytical point of view. No prerequisites. Open to all students.

**GERM 117. Folklore and Fairytale. 3 crs.** An exploration of the rich German tradition of folklore and fairytales. No prerequisites. Open to all students.

**GERM 118. The Holocaust in Film and Literature. 3 crs.** A study of the attempts of writers and filmmakers to reflect on the horrors of the Nazi holocaust. No prerequisites. Open to all students.

**GERM 119. The Third Reich Through Films. 3 crs.** Explores a wide variety of classical films about the Third Reich. The films selected will offer different points of focus. No prerequisites. Open to all students.

**GERM 120. Exile Literature. 3 crs.** Analyzes the works of German authors in exile. Emphasis will be placed on the German writers in the United States and Brazil. Reading knowledge of German required.

**GERM 121. Contrasts in German and American Cultures. 3 crs.** Explores the links between German and American cultures, emphasizing how the German past has shaped American educational, political and artistic institutions. No prerequisites. Open to all students.

**GERM 125. Oral Proficiency I. 3 crs.** Designed to strengthen the student's oral command of the German language. Prerequisite: GERM 003.

**GERM 126. Oral Proficiency II. 3 crs.** Continuation of GERM 125. Prerequisite: GERM 125.

**GERM 127. Written Proficiency I. 3 crs.** Practical exercise in the writing of German expository prose. Prerequisite: GERM 140.

**GERM 128. Written Proficiency II. 3 crs.** Continuation of GERM 127. Prerequisite: GERM 127.

**GERM 130. Introduction to Literary Studies. 3 crs.** Guides students through the secondary works (literary histories, periodicals and bibliographies), methodological approaches of the basic schools of literary critics and literary genres. For majors and minors. Prerequisite: GERM 004.

**GERM 131. Survey of German Language. 3 crs.** Diachronic and synchronic survey of the German language from Gothic to New High German. Prerequisite: GERM 127.

- GERM 140. Introduction to German Literature. 3 crs.** Designed to acquaint the student with the major authors and literary movements from the 18th century to the present. Prerequisite: GERM 004.
- GERM 145. German Culture. 3 crs.** Survey of German culture from Martin Luther to 1815. Divisional Studies B. Open to all students.
- GERM 146. German Culture. 3 crs.** Survey of German culture from 1815 to 1945. Divisional Studies B. Open to all students.
- GERM 147. Contemporary Germany. 3 crs.** Deals with the historical, economic, political, educational and artistic factors which bind as well as divide the former Federal Republic of Germany and the former German Democratic Republic. No prerequisites. Open to all students.
- GERM 151. German Literature of the Enlightenment and Sturm und Drang. 3 crs.** Survey of major German writers and thinkers of the 18th century. Prerequisite: GERM 140.
- GERM 152. German Literature of Classicism and Romanticism. 3 crs.** Survey of German literature of the late 18th and early 19th centuries. Prerequisite: GERM 140.
- GERM 153. German Literature From Biedermeier to Realism. 3 crs.** Survey of the major writers and literary movements of the period 1820-1890. Prerequisite: GERM 140.
- GERM 154. German Literature From Naturalism to Expressionism. 3 crs.** Survey of the movements of Naturalism, Symbolism and New Romanticism, tracing the development to the emergence of Expressionism and its continuation. Prerequisite: GERM 140.
- GERM 155. German Literature After 1945. 3 crs.** Comprehensive survey of German literature from 1945 to the present. Prerequisite: GERM 140.
- GERM 160. German Drama. 3 crs.** A survey of the theory and practice of works written for the German stage from Lessing to the present. Prerequisite: GERM 140.
- GERM 161. German Novel. 3 crs.** The study of the structure of the novel from the Baroque to the present, as exemplified in representative works. Prerequisite: GERM 140.
- GERM 162. German Lyric Poetry. 3 crs.** Traces the changes of the poetic idiom of German poetry from Klopstock to the present. The change in the basic assumptions about nature and the role of poetry is discussed as exemplified by representative texts. Prerequisite: GERM 140.
- GERM 163. The German Novella. 3 crs.** The theory and development of this short narrative form from the age of Goethe to the 20th century. Prerequisite: GERM 140.
- GERM 170. Goethe. 3 crs.** Survey of the major works of Goethe. Prerequisite: GERM 140.
- GERM 171. Schiller. 3 crs.** Survey of the major works of Schiller. Prerequisite: GERM 140.
- GERM 172. Heinrich Kleist. 3 crs.** Survey of the major works of Kleist. Prerequisite: GERM 140.
- GERM 173. Heinrich Heine, 3 crs.** An examination of Heine's work as a poet, an essayist, and a polemicist. Prerequisite: GERM 140.
- GERM 174. Fontane. 3 crs.** Survey of the major works of Fontane. Prerequisite: GERM 140.
- GERM 175. Rilke. 3 crs.** A general introduction to Rilke's poetry and prose with special emphasis on his early plays and his development from *Buch der Bilder* to *Die Sonette an Orpheus*. Prerequisite: GERM 140.

**GERM 176. Kafka. 3 crs.** A survey of the major works of Kafka. Prerequisite: GERM 140.

**GERM 177. Brecht. 3 crs.** In-depth analysis of the works of this major dramatist and poet of the 20th century. Prerequisite: GERM 140.

**GERM 178. German Folklore, 3 crs.** In-depth analysis of the rich heritage of German folklore. Prerequisite GERM 140.

**GERM 179. Proseminar: Negritude and Germany. 3 crs.** Focuses on the reception of AFRO American, African and Caribbean authors in Germany, as well as the German influence on some of their works. Reading knowledge of German and French required.

### ***Haitian Creole***

**HACR 001. Haitian Creole I. 3 crs.** This course provides an introduction to the basic language skills (speaking, listening, reading and writing). A proficiency-oriented approach is used in the course.

**HACR 002. Haitian Creole II. 3 crs.** A continuation of HACR 001.

**HACR 003. Haitian Creole III. 3 crs.** An intermediate level course designed to further enhance speaking, listening, reading, and writing in Haitian Creole. Cultural activities are included. Prereq: HACR 002 or equivalent.

**HACR 004. Haitian Creole IV. 3 crs.** A continuation of HACR 003.

**HACR 190, Independent Study I. 3 crs.** Designed to provide independent study/research under the guidance of a faculty advisor or the equivalent. Prerequisite: Permission of Instructor.

**HACR 191, Independent Study II. 3 crs.** Advanced independent study/research under the guidance of a faculty advisor or the equivalent. Prerequisite: Permission of Instructor.

### ***Japanese***

**JAPN 001. Japanese I. 3 crs.** This course provides an introduction to the basic language skills (speaking, listening, reading and writing). A proficiency-oriented approach is used in the course.

**JAPN 002. Japanese II. 3 crs.** A continuation of JAPN 001.

**JAPN 003. Japanese III. 3 crs.** An intermediate level course designed to further enhance speaking, listening, reading, and writing in Japanese. Cultural activities are included. Prereq: JAPN 002 or equivalent.

**JAPN 004. Japanese IV. 3 crs.** A continuation of JAPN 003.

**JAPN 040, Intensive Grammar Review. 3 crs.** A core course in the major-minor sequence which includes a thorough review of and practice with major elements of French grammar. Prereq: JAPN 004.

**JAPN 050, Oral Expression I. 3 crs.** A course designed to develop speaking and listening skills through a variety of instructional strategies. Prereq: JAPN 004.

**JAPN 190, Independent Study I. 3 crs.** Designed to provide independent study/research under the guidance of a faculty advisor or the equivalent. Prerequisite: Permission of Instructor.

**JAPN 191, Independent Study II. 3 crs.** Advanced independent study/research under the guidance of a faculty advisor or the equivalent. Prerequisite: Permission of Instructor.

### ***Korean***

**KORE 001. Korean I. 3 crs.** This course provides an introduction to the basic language skills (speaking, listening, reading and writing). A proficiency-oriented approach is used in the course.

**KORE 002. Korean II. 3 crs.** A continuation of KORE 001.

**KORE 003. Korean III. 3 crs.** An intermediate level course designed to further enhance speaking, listening, reading, and writing in Korean. Cultural activities are included. Prereq: KORE 002 or equivalent.

**KORE 004. Korean IV. 3 crs.** A continuation of KORE 003.

### *Portuguese*

**PORT 001. Elementary Brazilian Portuguese. 4 crs.** This course provides an introduction to the basic language skills (speaking, listening, reading, and writing), with emphasis on the communicative approach.

**PORT 002. Elementary Brazilian Portuguese. 4 crs.** Continued development of the basic language skills in Portuguese through integration of classroom drills and language exercises. Prerequisite: PORT 001 or the equivalent.

**PORT 003. Intermediate Brazilian Portuguese. 3 crs.** Continuation of the development of communicative skills with reading and oral discussion. Also includes an introduction to Luso-Brazilian culture and introduces selections by AFRO Brazilian writers.

**PORT 004. Intermediate Brazilian Portuguese. 3 crs.** Continued reading of selections by AFRO Brazilian writers, with intensive readings on topics of Luso-Brazilian culture and expansion of vocabulary useful for conversation and composition.

**PORT 040, Intensive Grammar Review. 3 crs.** A core course in the major-minor sequence which includes a thorough review of and practice with major elements of French grammar. Prereq: PORT 004.

**PORT 050, Oral Expression I. 3 crs.** A course designed to develop speaking and listening skills through a variety of instructional strategies. Prereq: PORT 004.

**PORT 190, Independent Study I. 3 crs.** Designed to provide independent study/research under the guidance of a faculty advisor or the equivalent. Prerequisite: Permission of Instructor.

**PORT 191, Independent Study II. 3 crs.** Advanced independent study/research under the guidance of a faculty advisor or the equivalent. Prerequisite: Permission of Instructor.

### *Russian*

**RUSS 001. Russian I. 3 crs.** A classroom approach to the basic spoken as well as written elements of the language. No prerequisite, but no credit is given for this course unless RUSS 002 is also completed.

**RUSS 002. Russian II. 4 crs.** Intensified continuation of RUSS 001, with more emphasis on reading. Prerequisite: RUSS 001 or its equivalent.

**RUSS 003. Russian I. 3 crs.** Advanced, audio-lingual study of the Russian language, in which literary readers are studied. Prerequisite: RUSS 002 or its equivalent.

**RUSS 004. Russian II. 3 crs.** Advanced course in which students read the most recent Russian prose, with emphasis on the development of written and oral skills. Prerequisite: RUSS 003 or its equivalent.

**RUSS 005. Intensive Russian I. 6 crs.** First part of a concentrated two-semester course that allows the student to complete the language requirement in one year.

**RUSS 006. Intensive Russian II. 6 crs.** Continuation of 060-005. Prerequisite: RUSS 005.

**RUSS 010. Business Russian. 3 crs.** Advanced course that familiarizes the student with the basic concepts and terminology used in commercial transactions in Russian. Prerequisite: One year of Russian.

**RUSS 014. Introduction to Humanities I, 3 crs.** is the first part of a two-semester core course for freshmen designed to enhance their understanding of great and enduring themes of humanistic inquiry. Students read literary and philosophical works of major historical significance and value from a contemporary viewpoint. Students explore themes such as cultural collision and resolution, concentrating on various aspects of the epic tradition.

**RUSS 015. Introduction to Humanities II, 3 crs.** is the second part of a two-semester core course for freshmen. In this course students study the relationship of the self to the other, with all its attendant considerations, and concentrate on generic distinctions between comedy and tragedy in drama, autobiography, and fiction. Prerequisite is Humanities I.

**RUSS 020. Simultaneous Interpretation I, 3 crs.** Introduces students to the basic techniques of escort, consecutive, and particularly simultaneous interpretation. Prerequisite: 3 semesters of a foreign language or the equivalent.

**RUSS 021. Simultaneous Interpretation II, 3 crs.** Focuses on more advanced techniques of simultaneous and consecutive interpretation. Prerequisite: Simultaneous Interpretation I or the equivalent.

**RUSS 084, 085. Directed Readings for Sophomores. 1 cr. ea.** Honors course.

**RUSS 088, 089. Directed Readings for Juniors. 1 cr. ea.** Honors course.

**RUSS 092, 093. Senior Departmental Honors. 3 crs. ea.** Honors course.

**RUSS 100. Great Short Stories. 3 crs.** Involves the reading of Russian short stories. Open to all students and no knowledge of Russian is required. Divisional Studies A.

**RUSS 101. Literature of Revolution. 3 crs.** Presents major works of Russian literature in English translation. Open to all students, and no knowledge of Russian is required. Divisional Studies A.

**RUSS 103. Love and Hate. 3 crs.** Survey in English of the outstanding Russian classics such as Anna Karenina. No knowledge of Russian is required. Divisional Studies A.

**RUSS 109. Slavic Mythology. 3 crs.** Presents Slavic myths from ancient through historical times.

**RUSS 111. Classic Films in English. 3 crs.** Acquaints students with 14 classic German and Soviet movies, the historical eras they depict, and their importance in the history of film. Films will be discussed. Divisional Studies A. Open to all students. No knowledge of German or Russian required.

**RUSS 117. Russian Science Fiction in Translation. 3 crs.** Study of the major trends of science fiction in the works of modern Russian authors. No knowledge of Russian is required.

**RUSS 125. Russian Composition. 3 crs.** Designed to improve the student's Russian reading and writing skills. Prerequisite: RUSS 004.

**RUSS 126. Russian Conversation. 3 crs.** Stresses the development of oral communication skills.

**RUSS 127. Advanced Russian Composition and Conversation. 3 crs.** Continuation of RUSS 125 and RUSS 126 for majors and minors in Russian.

**RUSS 140. Old Russian and Eighteenth-Century Literature. 3 crs.** Survey of the history of the Russian language and the first major literary efforts through the 18th century.

**RUSS 141. Russian Romanticism: Pushkin to Gumilev. 3 crs.** Study of 19th-century Russian authors whose works mark a departure from the formalism of French classicism to the free-spirited emotionalism of German and English romanticism.

**RUSS 145. Russian Culture. 3 crs.** Examines the development of Russian political and social institutions and intellectual currents. Divisional Studies B. Open to all students. No knowledge of Russian required.

**RUSS 146. Politics of Culture. 3 crs.** Analyzes the former Soviet Union and its political, social, and intellectual institutions. Divisional Studies B. Open to all students. No knowledge of Russian required.

**RUSS 150. The Three Rs: Revolution, Rebellion, Resignation. 3 crs.** Survey of Russian and Soviet works that reflect the political aspirations and disillusionment of the Russian people. Divisional Studies B. Open to all students. No knowledge of Russian required.

**RUSS 170 through 032-173. Seminars. 3 crs. ea.** Special literary and cultural topics are selected for in-depth discussion each seminar.

**RUSS 174. Dissident Voices in Russian Art and Literature. 3 crs.** Studies the works of writers and artists banned by the Soviet government.

**RUSS 188. History of the Russian Language. 3 crs.** Readings and discussion of development and structure of the Russian language in context with other Slavic languages.

**RUSS 189. Literature of the Seventeenth Century. 3 crs.** Readings in Russian in the beginnings of modern Russian literature; theories of poetics and poetic language; development of genres (satire, tragedy, odes); and beginning of investigative journalism in Russian literature.

**RUSS 190. Literature of the Nineteenth Century. 3 crs.** Readings in Russian and discussion of the classics of Russian literature, including Pushkin, Gogol, Dostoevsky, and Tolstoy.

**RUSS 191. Old Church Slavonic. 3 crs.** Study and analysis of ancient Slavic texts.

**RUSS 192. Russian Realism. 3 crs.** Examines Russian literature, including Gogol, Turgenev, Dostoevsky, Tolstoy, and Chekhov.

**RUSS 193. Soviet Poetry. 3 crs.** Consists of reading and discussion of poetry written since the Russian Revolution.

**RUSS 198. Structure of Russian. 3 crs.** Synchronic linguistic analysis of the Russian language.

## *Spanish*

**SPAN 001. Spanish I. 3 crs.** This course provides an introduction to the basic language skills (speaking, listening, reading, and writing), with emphasis on proficiency.

**SPAN 002. Spanish II. 3 crs.** Continued development of the basic language skills in Spanish through integration of classroom drills and language exercises. Prerequisite: SPAN 001 or the equivalent.

**SPAN 003. Spanish III. 3 crs.** Continuation of the development of audiolingual skills, with reading and oral discussion. Also includes an introduction to Hispanic culture and review of grammar and syntax. Prerequisite: SPAN 002 or the equivalent.

**SPAN 004. Spanish IV. 3 crs.** Intensive reading of topics of Hispanic literature and culture, with emphasis on composition and conversation, along with vocabulary expansion. Prerequisite: SPAN 003 or the equivalent.



**SPAN 014. Introduction to Humanities I. 3 crs.** The first part of two-semester core course for freshmen designed to enhance their understanding of great and enduring themes of humanistic inquiry. Students read literary and philosophical works of major historical significance and value from a contemporary viewpoint. Students explore themes such as cultural collision and resolution, concentrating on various aspects of the epic tradition.

**SPAN 015. Introduction to Humanities II. 3 crs.** The second part of a two-semester core course for freshmen. In this course students study the relationship of the self to the other, with all its attendant considerations, and concentrate on generic distinctions between comedy and tragedy in drama, autobiography, and fiction. Prerequisite: SPAN 014.

**SPAN 040, 3 crs. Intensive Grammar Review. 3 crs.** A core course in the major-minor sequence which includes a thorough review of and practice with major elements of Spanish grammar. Prerequisite: SPAN 004.

**SPAN 050. Oral Expression I. 3 crs.** A course designed to develop speaking and listening skills through a variety of instructional strategies. Prerequisite: SPAN 004.

**SPAN 051. Oral Expression II. 3 crs.** A continuation of SPAN 050 or its equivalent.

**SPAN 052. Reading and Writing Workshop. 3 crs.** Designed to develop the specific skills of reading and writing in Spanish. Prerequisite: SPAN 004.

**SPAN 055. Advanced Oral Expression I. 3 crs.** An advanced level course to develop aural/oral fluency in Spanish. Prerequisite: SPAN 051 or its equivalent.

**SPAN 060. Textual Analysis. 3 crs.** Introduction to literary texts and terminology through the reading of representative genres studied and interpreted from a literary and linguistic point of view. Prerequisite: SPAN 052.

**SPAN 065. Simultaneous Interpretation I, 3 crs.** Introduces students to the basic techniques of escort, consecutive, and particularly simultaneous interpretation. Prerequisite: 3 semesters of a foreign language or the equivalent.

**SPAN 066. Simultaneous Interpretation II, 3 crs.** Focuses on more advanced techniques of simultaneous and consecutive interpretation. Prerequisite: Simultaneous Interpretation I or the equivalent.

**SPAN 064. Spanish for the News Media. 3 crs.** Intended for students interested in the news media. Includes writing news articles and preparing and interpreting broadcasting programs for radio and television. Prerequisite: SPAN 040 or equivalent.

**SPAN 077. Advanced Composition. 3 crs.** Course in advanced prose writing stressing control of syntactic structures and stylistic devices. Prerequisite: SPAN 040.

**SPAN 078. Business Spanish. 3 crs.** Prepares students to deal with the business community and business correspondence in Spanish. Prerequisite: SPAN 077.

**SPAN 080. Survey of Spanish Literature I. 3 crs.** A survey of Spanish literature in a historical and cultural context from the Middle Ages to 1700. Prerequisite: SPAN 060.

**SPAN 081. Survey of Spanish Civilization and Literature II. 3 crs.** Continuation of SPAN 080 from 1700 to present. Prerequisite: SPAN 080.

**SPAN 083. Survey of Latin American Literature and civilization I. 3 crs.** A survey of Latin American literature in a historical and cultural context from the pre-Colombian era to 1900. Prerequisite: SPAN 060.

**SPAN 084. Survey of Latin American Literature and civilization II. 3 crs.** A continuation of SPAN 083 from 1900 to the present.

**SPAN 085. Survey of AFRO Hispanic Literature. 3 crs.** Survey of AFRO Hispanic contributions to Spanish and Spanish American literature and culture. Prerequisite: SPAN 060.

**SPAN 089. Hispanic Peoples and Cultures. 3 crs.** A course on the sociopolitical institutions, literary and other cultural contributions of the peoples of the Spanish-speaking world. Prerequisite: SPAN 060.

**SPAN 093, 094. Readings for Sophomores. 1 cr.**

**SPAN 095, 096. Directed Readings for Juniors. 1 cr.**

**SPAN 098, 099. Seniors Honors Thesis. 3 crs. each.**

***N.B. The following 3 courses are part of the Humanities Sequence. They cannot be used to satisfy requirements for Spanish majors and minors.***

**SPAN 100. Hispanic Literature in English. 3 crs.** Consists of selected readings, in translation, of masterpieces of Spanish and Spanish-American literature.

**SPAN 101. AFRO Hispanic Literature in English. 3 crs.** Course is designed to present a survey of translated literature from medieval to contemporary periods by and about people of African descent in Spain and Spanish America. Class discussion is in English.

**SPAN 107. Women in Literature. 3 crs.** An introduction to the role of women in the humanities, the course will investigate women as authors and subjects in philosophy, German, Russian, classics, English, and the romance languages. According with its interdisciplinary character, the faculty will come from all these departments.

***The following 100 level courses are offered during alternate years and are open to undergraduate students who have completed SPAN 080/081 or SPAN 083/084.***

**SPAN 110. Medieval Literature. 3 crs.** An approach to Spanish literature from 1100 to 1500, with detailed study of the *Cantar de mio Cid*, *Milagros de Nuestra Senora*, *El conde Lucanor*, and the *Libro de buen amor*.

**SPAN 120. Drama and Poetry of the Golden Age. 3 crs.** Study of the evolution of Spanish verse and theater during the sixteenth and seventeenth centuries.

**SPAN 121. Prose of the Golden Age. 3 crs.** Comprehensive study of the mystic, didactic, fictional, historical, and satirical prose of the sixteenth and seventeenth centuries, with emphasis on Cervantes and the picaresque novel.

**SPAN 130. Eighteenth and Nineteenth Century Literature. 3 crs.** Presentation of the major authors in Spanish literature of the 18th and 19th centuries.

**SPAN 141. Twentieth Century Literature. 3 crs.** An approach to the prose, drama, and poetry of 20th century Spain.

**SPAN 150. Literature of Spanish America I. 3 crs.** Study of selected authors and works representative of colonial and 19th century Spanish-American literature.

**SPAN 151. Literature of Spanish America II. 3 crs.** Study of selected authors and works representative of Spanish American literature from the turn of the century to the present.

**SPAN 160. AFRO Hispanic Literature and Civilization. 3 crs.** Survey of the role and image of black men and women in Spain and Spanish America as interpreted in literature.

**SPAN 171. Spanish Linguistics. 3 crs.** Introduction to the phonological, morphosyntactic and semantic systems of Spanish.

**SPAN 172. Spanish Phonology. 3 crs.** Treats the sound system and properties of the Spanish language. Prerequisite SPAN 171.

**SPAN 177. Introduction to Spanish-English Translation. 3 crs.** Introduces the student to the profession of translation and interpretation and will aim to develop his/her ability to prepare translation from Spanish into English, and to expand the student's vocabulary in both Spanish and English.

**SPAN 178. Advanced Spanish-English Translation 3 crs.** Continuation of training students in translation and interpretation, developing their ability to prepare translation from Spanish into English and to expand the student's vocabulary in both Spanish and English.

**SPAN 187. Educational Methods in Foreign Language Teaching. 3 crs.** Introduction to methods, materials, and techniques in foreign language instruction.

**SPAN 190. Independent Study I. 3 crs.** Designed to provide independent study/research under the guidance of a faculty advisor or the equivalent. Prerequisite: Permission of Instructor.

**SPAN 191. Independent Study II. 3 crs.** Advanced independent study/research under the guidance of a faculty advisor or the equivalent. Prerequisite: Permission of Instructor.

**SPAN 194. Spain and Latin America Through Film. 3 crs.** A study of Spain, Spanish-speaking countries, and Brazil through film, from cultural, sociological and technical points of view.

### *Swahili*

**SWAH 001. Swahili I. 3 crs.** This course provides an introduction to the basic language skills (speaking, listening, reading and writing). A proficiency-oriented approach is used in the course.

**SWAH 002. Swahili II. 3 crs.** A continuation of SWAH 001.

**SWAH 003. Swahili III. 3 crs.** An intermediate level course designed to further enhance speaking, listening, reading, and writing in Swahili. Cultural activities are included. Prereq: SWAH 002 or equivalent.

**SWAH 004. Swahili IV. 3 crs.** A continuation of SWAH 003.

**SWAH 040. Intensive Grammar Review. 3 crs.** A core course in the major-minor sequence which includes a thorough review of and practice with major elements of Spanish grammar. Prerequisite: SWAH 004.

**SWAH 050. Oral Expression I. 3 crs.** A course designed to develop speaking and listening skills through a variety of instructional strategies. Prerequisite: SWAH 004.

**SWAH 052. Reading and Writing Workshop. 3 crs.** Designed to develop the specific skills of reading and writing in Spanish. Prerequisite: SWAH 004.

**SWAH 190. Independent Study I. 3 crs.** Designed to provide independent study/research under the guidance of a faculty advisor or the equivalent. Prerequisite: Permission of Instructor.

**SWAH 191. 3 crs** Advanced independent study/research under the guidance of a faculty advisor or the equivalent. Prerequisite: Permission of Instructor.

### *Wolof*

**WOLO 001. Wolof I. 3 crs.** This course provides an introduction to the basic language skills (speaking, listening, reading and writing). A proficiency-oriented approach is used in the course.

**WOLO 002. Wolof II. 3 crs.** A continuation of WOLO 001.

**WOLO 003. Wolof III. 3 crs.** An intermediate level course designed to further enhance speaking, listening, reading, and writing in Wolof. Cultural activities are included. Prereq: WOLO 002 or equivalent.

**WOLO 004. Wolof IV. 3 crs.** A continuation of WOLO 003.

## **SCHOOL OF BUSINESS COURSES**

### **ACCOUNTING**

**ACCT 100. Cooperative Program I. 1 cr.** Offers career-related training consistent with the student's interest.

**ACCT 200. Cooperative Program II. 1 cr.** Continuation of ACCT 100, with additional responsibilities to enhance career development.

**ACCT 201. Accounting Principles I. 3 crs.** Basic concepts of financial accounting theory, recording procedures, and financial statement preparation.

**ACCT 202. Accounting Principles II. 3 crs.** Continuation of ACCT 201, including interpretation of financial data, cost accounting systems, and aids to managerial decisions. Prereq.: ACCT 201.

**ACCT 300. Cooperative Program III. 1 cr.** Continuation of ACCT 200, with additional responsibilities to enhance career development.

**ACCT 310. Intermediate Accounting I. 3 crs.** Overview of the foundations of accounting theory, contemporary practices in accounting, and the application of professional standards to financial reporting. Prereqs.: ACCT 201, ACCT 202, junior standing, and a minimum cumulative grade point average of 2.5.

**ACCT 311. Intermediate Accounting II. 3 crs.** Continuation of ACCT 310. Includes techniques used in the analysis of earnings, cash flow, and changes in financial position. Prereq.: ACCT 310 and junior standing.

**ACCT 318. Tax Principles and Procedures. 3 crs.** Covers the basic concepts of federal income tax determination and current reporting requirements. Prereqs.: ACCT 201, ACCT 202, and junior standing.

**ACCT 320. Cost Accounting I. 3 crs.** Includes job order, process, standard, and variable costing and the analysis of cost behavior. Prereqs.: ACCT 201, ACCT 202, and junior standing.

**ACCT 322. Cost Accounting II. 3 crs.** Approaches to management decisions using sophisticated cost-based analytical techniques. Prereqs.: ACCT 320.

**ACCT 330. Advanced Accounting. 3 crs.** Covers branch operations, business combinations, consolidated statements, foreign operations, partnerships, governmental accounting, and current trends in financial reporting. Prereqs.: ACCT 310 and ACCT 311 or their equivalents.

**ACCT 340. Auditing I. 3 crs.** Deals with the application of GAAP and auditing standards to financial and operational auditing procedures. Prereq.: ACCT 311 or its equivalent.

**ACCT 341. Auditing II. 3 crs.** Continuation of ACCT 340.

**ACCT 342. Global Accounting, Control, and Audit. 3 crs.** Operational auditing and information integrity in the context of International Standards. Prereq.: ACCT 340.

**ACCT 343. Ethics, Values and Governance. 3 crs.** Explores the moral and ethical obligations of leadership and encourages students to think critically about the ethical situations that they are likely to encounter in their professional and personal lives. (Formerly BLAW 343).

**ACCT 350. Accounting Information Systems. 3 crs.** Examines the development and use of management information systems based on accounting data bases. Prereqs.: ACCT 202 and INFO 204.

**ACCT 360. Fund Accounting. 3 crs.** Involves basic fund accounting and reporting for governmental units, agencies, universities, hospitals, and nonprofit entities. Prereqs.: ACCT 201, ACCT 202, and junior standing.

**ACCT 362. International Accounting. 3 crs.**

**ACCT 370. Controllership. 3 crs.** Study of contemporary practices in planning, organizing, and supervising the accounting and financial reporting function. Prereqs.: ACCT 310 and ACCT 311.

**ACCT 375. International Accounting. 3crs.** A discussion of the financial factors faced by corporations with international operations such as complex accounting methods for foreign operations, accounting for foreign currency and inflation, international analysis of financial statements and international harmonization.

**ACCT 380. CPA Examination Preparation I. 3 crs.** Intensive study of accounting practice and theory sections of prior CPA examinations. Prereq.: Consent of instructor.

**ACCT 382. CPA Examination Preparation II. 3 crs.** Companion course to ACCT 380.

**ACCT 385. Independent Study: Forensic Accounting. 3 crs.**

**ACCT 392. Advanced Income Tax. 3 crs.** Study of federal income tax laws and regulations, with emphasis on partnerships, corporations, estates, and trusts, Prereqs.: ACCT 201, ACCT 202, and ACCT 318.

## **FINANCE**

**FINA 100. Cooperative Program I. 1 cr.** Offers career-related training consistent with student's interest.

**FINA 200. Cooperative Program II. 1 cr.** Continuation of FINA 100, with additional responsibilities to enhance career development.

**FINA 210. Personal Money Management. 3 crs.** This course is designed to give students exposure to personal financial-making decisions. The course is open only to non-business majors. The objectives are to give students information in the following areas: credit issues, banking, taxes, record keeping, real estate, insurance, savings and investments, estate planning, retirement, and employee benefits. Non- Business majors only.

**FINA 300. Cooperative Program III. 2 crs.** A comprehensive phase of assignments consistent with student's career objective.  
**FINA 311. Finance Principles. 3 crs.** An introduction to the general principles of business finance. Prereqs.: ACCT 202, ECON 001 and ECON 002. Course designed for non-finance majors.

**FINA 311. Finance Principles. 3 crs.**

**FINA 312. Business Finance. 3 crs.** The Finance function in business with emphasis on valuation and working capital management. Prereqs.: ECON 001, ECON 002 and ACCT 202.

**FINA 313. Financial Management. 3 crs.** An analysis of the major parameters in the financial decision-making process with an emphasis on long-term financing. Prereq.: FINA 311 or FINA 312.

**FINA 320. Principles of Personal Financial Planning. 3 crs.** A comprehensive analysis of the personal financial planning process as it relates to planning the total financial and estate affairs of individuals and families. Prereq.: FINA 311 or FINA 312.

**FINA 322. Financial Markets and Institutions. 3 crs.** An analysis of financial markets and their impact on the creation, operation, and public regulation of financial institutions. Prereq.: FINA 311 or FINA 312.

**FINA 323. Commercial Banking. 3 crs.** The study of commercial banking as a profit-seeking enterprise. The course also focuses on loan policy, credit documentation, investigation, analysis, and decision making. Prereq.: FINA 311.

**FINA 330. Principles of Investments. 3 crs.** The study of conceptual foundations and the practical pursuit of investment objectives. Prereq.: FINA 311 or FINA 312.

**FINA 331. Investment Analysis and Portfolio Management. 3 crs.** The development and application of Modern Portfolio theory. A comparison of investment alternatives. Prereqs.: FINA 330.

**FINA 357. Independent Study in Finance I. 1-3 crs.** A specialized finance project or preparation for professional finance examinations. Prereq.: FINA 313.

**FINA 358. Independent Study in Finance II. 1-3 crs.** A specialized research into finance problems or preparation for professional finance examinations. Prereq.: FINA 357.

**FINA 360. Seminar in Finance. 3 crs.** Readings, research, and the discussion of advanced finance topics. Prereqs.: FINA 313 and permission of the instructor.

**FINA 361. Bank Credit Administration. 3 crs.** Covers loan policy, credit documentation, investigation, and analysis. Prereq.: FINA 311 or FINA 312.

**FINA 362. Mutual Funds & Hedge Funds. 3 crs.**

**FINA 363. Computer Application of Financial Analysis. 3 crs.** An introductory course in computer application to business and financial decision-making. Prereqs.: FINA 311 or FINA 312.

**FINA 364. Investment Banking. 3 crs.** An analysis of the issues and operations of investment banking. Topics include fixed income securities, mergers and acquisitions, IPO's, seasoned issues, venture capital, ethics, trading, financial engineering, etc. Prereqs.: FINA 313. **FINA 365. Financial Derivatives. 3 crs.** An in-depth analysis of options, futures, and other derivatives. Prereqs.: FINA 313 and FINA 330.

**FINA 365. Financial Derivatives: Futures & Opt.**

**FINA 370. Bond Markets: Analysis and Strategies. 3 crs.** An in-depth analysis of fixed-income securities. Topics include: measuring yields, bond price volatility (duration and convexity); the term structure of interest rates; non-U.S. bonds; treasury and agency securities markets; corporate and municipal debt instruments; convertible bonds; collateralized mortgage obligations; mortgage-backed securities; other asset-back securities; interest rates; futures, options, swaps and agreements. Also includes bond portfolio management strategies. Prereq.: FINA 313.

**FINA 371. Venture Capital. 3 crs.** A review of the overall process of venture capital from both the venture capitalist's perspective and the entrepreneur's perspective. The role of venture capital in both the U.S. economy and developing economies is discussed. A complete overview of the venture capital process is provided, including the proposal, the commitment letter, the closing, and the exit. Focus will be on the organization and management of a venture capital firm. The instructional method used in this course will be both lecture and case analysis. Prereq.: FINA 311.

**FINA 380. Business Finance Policy and Decision Making. 3 crs.** The case method is used to identify, analyze, and make decisions concerning business problems that have financial implications. Prereq.: FINA 313.

**BECN 330. Managerial Economics. 3 crs.** Analyzes decision-making in the enterprise. Emphasizes the market environment measurement of the influence of policy and non-policy variables on sales,, costs,, and profits. Prereqs: ECON 001, ECON 002, INFO 311.

**BECN 331. Business Fluctuations and Forecasting. 3 crs.** Studies the historic framework of business fluctuations, the methods of making business forecasts,, and macroeconomic theory. Prereqs: ECON 001, ECON 002, INFO 311.

## **INSURANCE**

**INSU 320. Introductory Actuarial Mathematics. 3 crs.** An introduction to the basic mathematical concepts used in evaluating life insurance and pension benefits, including compound interest theory, mortality tables, and multiple decrement tables.

**INSU 350. Risk and Insurance. 3 crs.** Analyzes the nature of risk as it relates to personal, financial, and business decisions.

**INSU 351. Life and Health Insurance. 3 crs.** Examines the economic principles, mathematical foundation, and legal framework underlying life insurance. Prereq.: INSU 350.

**INSU 352. Property Liability Insurance. 3 crs.** An analysis of the needs by business and individuals for property liability insurance, the nature of coverage available, and systems of rating, marketing, and underwriting. Prereq.: INSU 350.

**INSU 353. Social Insurance. 3 crs.** An examination of various federal and state programs of social and employment security, workmen's compensation, and other government insurance. Prereq.: Junior standing.

**INSU 354. Risk Management. 3 crs.** Identifies and evaluates loss exposures and develops risk control methods and financing techniques for exposures. The primary focus is on developing effective risk management alternatives. Prereq.: INSU 352.

**INSU 355. Independent Study: Employee Benefit Plans. 3 crs.** Comprehensive study of the principles underlying the design and operation of employee benefit plans. The various administrative funding techniques for providing these benefits are evaluated. Prereq.: INSU 351.

**INSU 357. Practicum in Insurance I. 3 crs.** Preparation for professional insurance examinations or a specialized insurance project. Prereq.: INSU 350.

**INSU 358. Practicum in Insurance II. 3 crs.** Preparation for professional insurance examinations and research into specialized insurance problems. Prereq.: INSU 357.

## **INTERNATIONAL BUSINESS**

**INBU 300. Principles of International Business. 3 crs.** An introduction and overview of the various issues involved in doing business in more than one country, including the social, cultural, legal, and economic aspects. Prereq.: ECON 001, ECON 002, and junior standing.

**INBU 320. International Marketing. 3 crs.** Discusses issues involved in identifying and exploiting marketing opportunities abroad. Prereq.: MKTG 301.

**INBU 340. International Financial Management. 3 crs.** Analyzes the various issues involved in the acquisition and investment of funds in the international markets. Prereq.: FINA 311 or FINA 312.

**INBU 357. Independent Study in International Business. 1-3 crs.** Involves a plan of directed readings, discussions, and research on specialized problems. Prereq.: permission of the instructor.

**INBU 358. Independent Study in International Business. 1-3 crs.** Involves a plan of directed readings, discussions, and research on specialized problems. Prereq.: INBU 357.

**INBU 360. Management of International Business. 3 crs.** Primarily uses the case method to identify, analyze, and solve a variety of strategic issues faced by the international manager. Prereqs.: MGMT 301, INBU 300, INBU 320, INBU 340, and senior standing.

**INBU 361. Export-Import Management. 3 crs.** Includes international market research, shipments, arbitration, and financing. Prereq.: INBU 320.

**INBU 365. International Manpower Management. 3 crs.** Examines the quality, quantity, and cultural attributes of manpower available in various parts of the world.

**INBU 380. International Entrepreneurship. 3 crs.**

**INBU 390. Seminar in International Business. 3 crs.** Involves an international (or multinational) company study. Prereqs.: Senior standing or permission of instructor.

### ***COMPUTER BASED INFORMATION SYSTEMS***

**INFO 101. Cooperative Program I. 2 crs.** Offers career-related training consistent with student's interest. INFO 102. Cooperative Program II. 2 crs. Continuation of INFO 101 with additional responsibilities to enhance career development.

**INFO 202. Computer Introduction. 1 cr.** The course is an introduction to the elementary and fundamental concepts of modern information systems. The course provides hands-on experience with the application of software packages commonly used by knowledge workers. Students will develop small applications using Internet tools, databases, spreadsheets, word processing and presentation graphics, and also integrate these applications.

**INFO 204. Management Information Systems. 3 crs.** The course provides a broad foundation in the concept of modern information systems, including information processing and information technologies in the corporate and organizational environments. Topics include strategic information systems, computer hardware and software, user-interface, data communications, and data management. The emphasis is on problem solving through the use of information systems tools to develop solutions for real-life cases of limited complexity. Prereq. or co-requisite: INFO 202.

**INFO 210. Introduction to Software Design. 3 crs.** The course provides an introduction to software engineering, algorithm development and structured problem solving, coding, testing, and debugging techniques. The major emphasis is on programming logic. Small illustrative applications are developed using a high level programming language. (Formerly INFO 320) Prereq.: INFO 204.

**INFO 211. Introduction to Logistics. 3 crs.**

**INFO 300. Structured COBOL Programming I. 3 crs.** The course involves the use of structured COBOL programming to solve a set of common business problems including data validation, multilevel control break processing, sequential update, the internal sort, and tables. Prereq.: INFO 204, INFO 210.

**INFO 302. Introduction to C Language Programming. 3 crs.** The concept of Structured programming is emphasized. Functions and program structure: primitive data types, pointers, arrays, structures and unions: control flow, input, output, system calls and function arguments: types, operators and expressions are addressed. The C++ Programming Language is introduced. Prereq.: INFO 204, INFO 210.

**INFO 304. Visual Basic. 3 crs.** The course provides an introduction to Object Oriented Programming. The student will be exposed to a style of programming especially suited for graphical user interfaces. Students will learn Visual Basic concepts like projects forms, controls/objects, properties and events combined with coding concepts like subprograms, functions, arrays, logic structures and different Input-Output processes to create Object-Oriented, Event-Driven programs. This course will provide a higher level of programming and problem-solving skills with particular emphasis on some of the more advanced topics in Object-Oriented programming. Prereq.: INFO 204 and INFO 210.



**INFO 305. Structured COBOL Programming II. 3 crs.** Cobol Programming II is designed to develop advanced programming skills and techniques. Students will write High-Level COBOL programs that involve single and advanced level arrays and tables and multiple level control break processing. Students will develop and work with file maintenance programs that include file sorting and merging and sequential, indexed, and relative file processing. Advanced topics in COBOL II include the COPY and CALL statements, advanced debugging aides, the improvement of program performance, and the Report Write Module. The application of VSAM (ESDS, KSDS, RRDS) file processing, the IBM/MVS/ESA/TSO/ISPF environment for editing and managing data sets, and IBM JCL and IBM CICS/MRO are discussed and applied for batch and interactive processing. Students will apply these advanced concepts and techniques to design and develop challenging, real-world applications including subprograms, array and file sorting, advanced array structures, VSAM (ESDS, KSDS, RRDS) file processing, and the IBM/MVS/ESA/TSO/ISPF environment for editing and managing data sets. IBM job control language is used for compiling, linking, and executing batch applications and IBM-CICS/MRO is introduced for interactive applications. Prereq.: INFO 300.

**INFO 307. Visual C++. 3 crs.** This is a natural extension of the structured programming introduced in INFO 210. It moves into C++ quickly and to Visual C++. A thorough foundation of the C++ language is presented. Programs are written in both DOS and Windows platforms. The course uses the Microsoft Integrated Developer's Environment as the development studio. Object-oriented Programming is emphasized as the paradigm for resolving issues of program complexity, software reusability, and program portability. Team study and solution design are the foci of instruction. Prereqs.: INFO 210.

**INFO 310. Data Analysis. 3 crs.** This course assumes fundamental knowledge of basic statistics through hypothesis testing with simple linear regression analysis or analysis of variance. The topics in this course include multiple regression analysis, analysis of variance, design of experiments, and time series. This course is aimed at the knowledgeable business student seeking a deeper understanding of statistical epistemology and decision-making. Experimentation with data bases using statistical software packages such as MINITAB, SAS, or SPSS is the implementation strategy of the course. Prereqs.: INFO 204, INFO 210, and Economics ECON 180.

**INFO 311. Quantitative Business Analysis. 3 crs.** In this course students develop the ability to model and analyze a variety of business related decision situations. This course emphasizes the use of spreadsheets in the modeling process. Classical Management Science and operations research techniques are used to develop insight into the optimization of decision-making. Prereqs.: MATH 010, MATH 026, ECON 180, INFO 204.

**INFO 315. Advanced Personal Computer and Workstation Concepts. 3 crs.** This course provides in-depth exposure to the hardware and software components of personal computers and workstations, computer configurations, LAN design, and documentation and implementation. The course also includes laboratory exercises that focus on DOS features, similarities between DOS and Unix, and TCP/IP protocols. Suggested Coreq.: INFO 360 or permission of the instructor.

**INFO 325. Introduction to Data and Network Communications. 3 crs.** This course provides a comprehensive study of the communication hardware and software and the regulations required to deliver information from a source through a medium to a destination. Digital, analog, security, network, and network management requirements for data communication are introduced and implemented using software simulations. Prereq.: INFO 360 or consent of instructor.

**INFO 330. Data Base Management. 3 crs.** This course is an overview of the database approach and database management systems (DBMS). Topics include physical, conceptual, and external views of data; logical and physical data structures; referential integrity, data definition; and data manipulation languages. The course also covers the enterprise data model, the hierarchical data model, security and concurrency control, and client server computing. Prereq.: INFO 360.

**INFO 335. Production and Operations Management. 3 crs.** The course involves the study of production and service operations from a systems perspective. The course emphasizes problem formulation, analysis of models necessary for system design and system operation, and the interaction between production and operation management activities and other activities of an organization. Global strategic and competitive issues are discussed. The course uses decision support systems software as appropriate. Prereqs.: INFO 311, MGMT 301.

**INFO 340. Introduction to C++. 3 crs.**

**INFO 341. Introduction to JAVA Programming. 3 crs.**

**INFO 360. Information Structures. 3 crs.** The course examines various data structures, data types, and the search techniques required to develop or enhance a traditional or webcentric computer based information system. Using structured languages, a repertoire of algorithms and procedures are developed to solve business applications that encompass man/machine interfaces, efficient information storage, retrieval and sorting, and system simulation. Topics include stacks, parsing, single and double link lists, static and dynamic queues, and webcentric information structures. Prereq.: any course in a Programming Language.

**INFO 361. Operating Systems. 3 crs.** The course examines the components and features of operating systems, such as the nucleus, memory and second storage management, file management, I/O devices, and user interfaces. UNIX system calls, shells, software development utilities, and the X Window System are emphasized. Operating systems concepts are simulated using the C Programming Language. Prereq.: INFO 360.

**INFO 365. Simulation and Information Systems. 3 crs.** The course features the identification of factors that influence business behaviors with the ultimate objective of building models to describe the behavior of a situation over a period of time using a computer simulation language. Probability distributions and problems relating to management are revisited to make the course more realistic and practical. Prereqs.: INFO 360 and MGMT 330.

**INFO 370. Systems Analysis and Design. 3 crs.** The course involves a systemic approach to analysis and the design of contemporary business information systems. Topics include systems development, life cycle phases and activities, systems analysis techniques, systems design techniques, and detail program design and implementation. Prereq.: any course in a Programming Language.

**INFO 375. Seminar in Computer-Based Management Information Systems. 3 crs.** In this course, the student investigates and reports on special topics in information systems development. Prereq.: Junior or senior standing.

**INFO 380. Decision Support and Expert Systems. 3 crs.** The course is an introduction to Decision Support Systems and Expert Systems with a brief overview of other Artificial Intelligence Technologies. Integrates theoretical concepts with a review of practical application cases and the current literature in the field. Student teams build Expert Systems prototypes and produce written project reports. Class presentations of projects are required. Prereq.: INFO 311 or junior standing and permission of the instructor.

**INFO 385. Introduction to eBusiness. 3 crs.**

**INFO 387. Introduction to Web Authoring Tools. 3 crs.**

**INFO 390. Systems Development. 3 crs.** This course focuses on the development of an application system. Student teams will develop projects that involve all phases of the systems development life cycle. Issues such as project management, systems development methodologies, and systems testing are addressed. Each student is required to produce a research report that focuses on new technologies and methodologies that relate to information systems development. Prereq.: INFO 370 or senior standing and permission of the instructor.

**INFO 391. Introduction to Information Security. 3 crs.**

**INFO 393. Network/Internet Sec. Management. 3 crs.**

**INFO 395. Information Assurance. 3 crs.**

**INFO 396. Project Management. 3 crs.**

**INFO 398. Information Systems Consulting. 3 crs.**

**INFO 399. Senior Project. 1 cr.**

## **MANAGEMENT**

**MGMT 001. Business Orientation. 1 cr.** Prepares students to meet the challenges of Howard University, the School of Business, and the corporate world. Develops an atmosphere of "community" among the students within the School. MGMT 002. Career Counseling in Business. 1 cr. Assists students in identifying career opportunities that reflect their interests and aptitudes. Prereq: MGMT 001.

**MGMT 010. Business Orientation. 1 cr.**

**MGMT 011. Business Orientation II. 1 cr.**

**MGMT 020. Freshman Honors Seminar I. 1 cr.**

**MGMT 021. Freshman Honors Seminar II. 1 cr.**

**MGMT 022. Sophomore Honors Seminar I. 1 cr.**

**MGMT 023. Sophomore Honors Seminar II. 1 cr.**

**MGMT 024. Junior Honors Seminar I. 1 cr.**

**MGMT 025. Junior Honors Seminar II. 1 cr.**

**MGMT 026. Senior Honors Seminar I. 1 cr.**

**MGMT 100. Cooperative Program I. 2 crs.** Offers career-related training consistent with student's interest.

**MGMT 200. Cooperative Program II. 2 crs.** Continuation of MGMT 100, with additional responsibilities to enhance career development.

**MGMT 300. Cooperative Program III. 2 crs.** A comprehensive assignment, consistent with student's career objective. MGMT 301. Management and Organizational Behavior (formerly Principles of Management). 3 crs. Analyzes the principles of planning, organizing, directing, coordinating, and controlling within organizations. Prereqs.: ECON 001, ECON 002, and junior standing.

**MGMT 301. Management & OB. 3 crs.**

**MGMT 302. Advanced Organizational Behavior. 3 crs.** Examines behavior in organizations and its interacting relationships. Prereq.: MGMT 301.

**MGMT 303. Human Resources Management. 3 crs.** Examines the policies, theories, and practices of human resources management. Prereq.: MGMT 301. Spring semester only.

**MGMT 304. Labor Management Relations. 3 crs.** Deals with labor management relations in different organizations. Prereq.: MGMT 303.

**MGMT 305. Organization Theory. 3 crs.** Covers the theories, structural analysis, and development of organizations. Prereq.: MGMT 301.

**MGMT 306. Corporate Culture and Ethics. 3 crs.**

**MGMT 307. Leadership & Spirituality in Management. 3 crs.**

**MGMT 309. Sports Business Management. 3 crs.**

**MGMT 317. Convention and Meeting Planning. 3 crs.**

**MGMT 331. Decision-Making. 3 crs.** Examines the theory and application of tools, techniques, and concepts in decision-making in case situations in business. Prereqs.: ECON 180, FINA 311, MGMT 301, MKTG 311. Fall semester only.

**MGMT 340. Management Development. 3 crs.** Deals with concepts, methods, and practices used to develop top, middle, and supervisory-management personnel in various organizations. Prereq.: MGMT 301.

**MGMT 350. Management of Small Business. 3 crs.** Focuses on the management problems and the environment of operation of small businesses. Prereq.: MGMT 301.

**MGMT 351. Entrepreneurship. 3 crs.** Examines the issues involved in embarking on new ventures. Prereqs.: Finance FINA 311, MGMT 301, MKTG 311.

**MGMT 352. Entrepreneurship (Non-Majors and Minors). 3 crs.**

**MGMT 353. Entrepreneurial Marketing. 3 crs.**

**MGMT 355. New Venture Development. 3 crs.**

**MGMT 360. Organizational Development. 3 crs.** Provides students with the managerial tools and behavioral science concepts, strategies, and practices that are used in an ongoing organization to improve organizational competence, efficiency, and effectiveness. Prereq.: MGMT 301.

**MGMT 370. Comparative Management. 3 crs.** Focuses on managerial behaviors and practices and policies in cross-national environments. Provides a model for understanding individual cultural differences and the implications of such differences for organizational strategies, policies, and management behavior. Prereq.: MGMT 301.

**MGMT 375. Corporate Culture. 3 crs.** The course is designed to acquaint the student with the practical application of the skills he/she has acquired in business school. Students will become aware of both the "survival" skills necessary to maintain a viable business career and the "advancement" skills needed to accelerate recognition and promotion. In addition,, the course will provide the student with the perspective of a career businessperson: 1) the implications of politics and personalities; 2) the core competencies that must be mastered; 3) how corporate systems affect behavior; 4) the common mistakes that should be avoided; and 5) the need for personal strategies and action plans.

**MGMT 380. Seminar in Management. 3 crs.** Involves selected readings, research, and presentations of selected topics in management. Prereq.: Senior standing. Spring semester only.

**MGMT 385. Independent Study in Management. 3 crs.** Consists of individual reading and research. Prereqs.: Graduating status and minimum cumulative grade point average of 3.0 or permission of the instructor.

**MGMT 390. Business Policy. 3 crs.** Deals with company-wide, long-term strategic decisions, issues of growth and development, and the preparation of case materials. Prereqs.: Graduating senior status in the final semester and completion of at least one course in each functional area.

**MGMT 800. Study Abroad. 12 crs.**

## **MARKETING**

**MKTG 100. Cooperative Program I. 3 crs.** Offers career-related training consistent with student's interest.

**MKTG 200. Cooperative Program II. 3 crs.** Continuation of MKTG 100, with additional responsibilities to enhance career development.

**MKTG 300. Cooperative Program III. 3 crs.** Comprehensive phase of assignment, consistent with student's career objectives.

**MKTG 301. Principles of Marketing. 3 crs.** Provides an overview of the field of marketing. It surveys key concepts, principles, theories, and practices of marketing. Required of all business majors. Prereqs.: ECON 001, ECON 002, and junior standing.

**MKTG 310. Consumer Behavior. 3 crs.** Focuses on the individual and environmental factors that influence consumer behavior and decision-making of individuals and organizations. The course surveys various concepts, theories, and analytical frameworks to explain and analyze consumer purchase decisions and draws practical implications for marketing strategies. Prereq.: MKTG 301.

**MKTG 311. Principles of Marketing. 3 crs.**

**MKTG 315. Marketing Research. 3 crs.** Focuses on the role of marketing research in management information gathering and marketing decision-making. Theoretical and practical aspects of the research process are covered. Key topics covered include fundamentals of research design, measurement issues, questionnaire design, sampling theory, data collection, and entry and the use of statistical analysis. Prereqs.: ECON 180 and MKTG 301.

**MKTG 319. Sales Management. 3 crs.**

**MKTG 320. Marketing Communications. 3 crs.** Examines the components of an integrated marketing communications plan at both the corporate and brand levels. Promotional tools such as mass media advertising, sales promotion, personal selling, and public relations are discussed. Issues regarding the use of print, electronic, out-of-home, direct-response media, and direct marketing are also covered. Prereq.: MKTG 301. Recommended: MKTG 320.

**MKTG 324. Personal Selling. 3 crs.** Focuses on understanding and developing the oral communication skills necessary for success in the sales arena. These skills are eminently transferable to other situations including promoting yourself and your ideas within the corporate environment. Relies heavily on experiential learning, such as in-class exercises and role playing. Open to students of any major including non-business majors, with junior standing and permission of the instructor. Prereq.: MKTG 301.

**MKTG 328. Advertising. 3 crs.** Examines the role of advertising in marketing, the legal and social environment in which it operates, and the process by which it is created and managed. Utilizes cases to develop the ability to formulate advertising strategy and devises an advertising campaign, including the creation of advertisements. Topics covered include setting advertising objectives and budgets, creative strategy, media strategy, advertising effectiveness, agency-client-media relations, and advertising regulation. Prereq.: MKTG 301.

**MKTG 330. New-Product Development. 3 crs.** Examines the process by which new products are developed and introduced to markets. Utilizes cases to illustrate the steps in the new-product development process, creativity in the product-development process, idea-screening, concept testing, business analysis, prototype development, test-marketing, phased roll-outs, and commercialization. Prereq.: MKTG 301.

**MKTG 331. Social and Internet Marketing. 3 crs.**

**MKTG 340. Pricing. 3 crs.** Examines the theories underlying pricing, looks at pricing practices employed in the field of marketing, and evaluates the role of pricing in a company's marketing strategy. Topics covered include demand and supply analysis, price-quality relationships, consumer perceptions of prices, typical approaches to setting prices, competitive pricing, and ethical and legal aspects of pricing. Prereq.: MKTG 301.

**MKTG 350. Channels of Distribution. 3 crs.** Analyzes issues involved in designing, managing and evaluating a business' channel of distribution. Topics covered include the theory, structures, types and design of channels, intermediaries and their functions in a channel, and channel dynamics and their management. Prereq.: MKTG 301.

**MKTG 355. Retailing. 3 crs.** Provides the student with an overview of the retailing industry and the key aspects involved in managing a retail operation. Topics covered include retail consumer behavior, trading-area analysis and retail site selection, the retail image, merchandising, and inventory planning and control, among others. Prereq.: MKTG 301.

**MKTG 360. Marketing Engineering. 3 crs.**

**MKTG 361. Computer Applications in Marketing. 3 crs.** Held in an interactive computer lab, the course gives students practical experience with software used by marketers. Students are exposed to a variety of applications such as desktop publishing, mapping software, spreadsheets, database managers, contact managers, web publishing, and graphic design. Prereq.: MKTG 301.

**MKTG 370. Services Marketing. 3 crs.** A study of marketing strategies practiced by both profit and non-profit organizations in the burgeoning service sector. Topics covered include the concept of a service-offering, strategies for service organizations, measurement of service quality, and the role and management of contact personnel. Prereqs.: MKTG 301.

**MKTG 375. Industrial Marketing. 3 crs.** Examines the marketing of goods and services to commercial enterprises, governments, and other organizations for use in the goods and services that they in turn produce or resell to their customers. Course will be taught primarily by the case-method. Prereqs.: MKTG 301.

**MKTG 380. Sports Marketing. 3 crs.** Designed as an introduction to the varied topics in the sports marketing industry. Some of the topics covered include marketing and media, advertising and communications, athletic endorsements, promotions and special events, licensing and merchandising, and sponsor relations as they relate to team and individual sports at both the professional and amateur levels. Prereq.: MKTG 301.

**MKTG 385. Multi-Cultural Marketing. 3 crs.** Examines the impact of cultural and ethnic factors on consumer behavior and marketing strategies. Special emphasis is given to major ethnic groups, including their culture, demographics, psychographics, media usage, and decision making. Practical implications for marketing in a multi-cultural environment are discussed. Prereqs.: MKTG 301.

**MKTG 390. Special Topics in Marketing. 3 crs.** Coverage of the latest issues in marketing. The topics covered will be at the discretion of the instructor. Prereqs.: MKTG 301, and senior standing.

**MKTG 395. Independent Study in Marketing. 3 crs.** An in-depth examination of a topic in marketing of particular interest to the student. Projects may include a literature survey, a company case-study, a research project involving data-collection and analysis, or a survey of a particular industry. Prereqs.: MKTG 301, graduating status, and a marketing cumulative grade point average of at least 3.0, and permission of instructor.

**MKTG 399. Marketing Planning and Strategy. 3 crs.** This is a senior level capstone course in which students integrate and apply marketing knowledge and quantitative skills to solve marketing problems through case studies. Special emphasis is given to analysis of opportunities and competition and the development of successful marketing strategies and plans. Prereqs.: MKTG 301 and senior standing.

**BCOM 320. Business Communications. 3 crs.** Develops the oral and written communication skills required for success in business organizations. Prereqs: ENGL 002 and ENGL 003.

## ***BUSINESS LAW***

**BLAW 305. Business Law I. 3 crs.** Examines the procedural aspects of the legal system as well as the substantive law of torts,, contracts, property, and negotiable instruments. Familiarizes students with the analytical and conceptual problem-solving techniques inherent in the legal process. Prereq: Sophomore standing.

**BLAW 306. Business Law II. 3 crs.** Continuation of BLAW 305. Reviews the Uniform Commercial Code, including sales and documents of title. Familiarizes students with the law of agency, partnerships, corporations, and other forms of business organizations. Prereq.: BLAW 305.

**BLAW 307. The Law and Business of Sports. 3 crs.** Provides students with a basic understanding of business and legal issues in the world of sports. Examines contract negotiation, client solicitation, client management, NCAA rules and regulations, litigation and arbitration, case law, and statutes regarding sports agents.

**BLAW 355. Comparative International Law. 3 crs.** Provides an understanding of the legal systems in countries that play a predominate role in international business.

## **HOSPITALITY MANAGEMENT**

**HOSP 300. Introduction to the Hospitality Industry. 3 crs.** A survey of the history, direction, and organizational structure of the hospitality industry and the place of the hotel, motel, and restaurant in the local and national economy.

**HOSP 301. Hotel/Motel/Restaurant Management. 3 crs.** Application of management tools, techniques and concepts to hotels, motels, restaurants, resorts, clubs and their various departments. Prereqs.: MGMT 301 and FINA 311.

**HOSP 303. Food Service Management. 3 crs.** Involves the basics of commercial food preparation, product identification, menu planning, sanitation, scheduling, staffing, and merchandising. Prereqs.: ACCT 201, MGMT 301, and HOSP 301.

**HOSP 305. Hospitality Financial Management. 3 crs.** Emphasizes the financial practices and systems used in hotels, motels, and restaurants. Involves the interpretation of financial statements, cash forecasting, taxes, and cash flow analysis. Prereqs.: HOSP 301.

**HOSP 307. Lodging/Property Management. 3 crs.** Deals with the management of hospitality property in terms of its physical aspects, capital investment, layout and designs, building renovation, maintenance of facilities and equipment, and building systems. Prereq.: HOSP 301.

**HOSP 309. Hotel and Restaurant Law. 3 crs.** Examines the legal dimensions of hotels, motels, restaurants, resorts, and associated businesses, including the duties, rights and liabilities of the innkeeper-host and guests. Prereqs.: HOSP 300 and BLAW 305.

**HOSP 311. Hospitality Marketing. 3 crs.** Deals with the development, use and evaluation of effective merchandising, advertising and public relations techniques in the hospitality industry. Prereq.: HOSP 300 and MKTG 311.

**HOSP 312. Club/Institutional Management. 3 crs.** Treats the overall operation of private clubs, including food service, private group arrangements, recreational facilities, staffing, etc. Prereq.: HOSP 301.

**HOSP 313. Management of Tourism. 3 crs.** Deals with the travel industry and operations of enterprises in the industry. Highlights trends, travel modes, economic impact on destination areas, tourism development, and marketing. Prereq.: HOSP 301.

**HOSP 315. Food, Beverage, and Labor Cost Controls. 3 crs.** Examines forecasting, selecting purveyors, ordering, receiving, storing, merchandising, controlling inventory, and issuing. Labor, preparation, pre-control methods, comparison of actual and standard costs, scope of the menu, and customers' expectations are also discussed. Prereq.: HOSP 300. HOSP 317. Convention/Meeting Planning, 3 crs. Organizing and operating conventions, trade shows, concessions, and recreational facilities. Emphasis on sales methods, booking, and the administrative aspects of operations. Prereq.: HOSP 300.

**HOSP 317. Convention and Meeting Planning. 3 crs.**

## **SCHOOL OF COMMUNICATIONS COURSES**

### **MEDIA, JOURNALISM & FILM**

**MJFC 100. Fundamentals of Journalism. 1 cr.** Students learn writing rules and styles unique to journalism with a focus on Associated Press Stylebook, Yahoo! Style Guide, grammar, punctuation and mathematics for journalists. Students must pass this course to continue in the journalism program.

MJFC 101. Introduction to Mass Communications. 3 crs. Explores the world of mass communication in its entirety and all critical efforts that affect this area.

**MJFC 200. Introduction to Media Production. 3 crs.** This course is designed to introduce and test the student on video camera operation, basic lighting, basic audio, video editing and script format. Video projects will be uploaded

to our website. A class internship at [glasshouseradio.com](http://glasshouseradio.com) is required. A three-minute video project and a two-minute audio project are included in the final class projects. Prereqs: SCOM 120 Digital Media Literacy and sophomore standing.

**MJFC 201. Multimedia Storytelling. 3 crs.** This course emphasizes reporting, writing and editing skills—the foundations of storytelling across media platforms. Students explore the techniques used to research and report complex social, political and economic issues with a focus on education, zoning and development, crime, courts and government operations. Students cover news beats and produce publishable content. Prereqs: MJFC 101 Intro to Mass Comm, MJFC 200 Intro to Media Production.

**MJFC 202. Visual Communication. 3 crs.** Students gather information in pictures, video and audio for presentation in multimedia journalism projects. Students use a variety of open source and proprietary software to edit images and sound to create and upload packages to the Web. Prereqs: MJFC 200 Intro to Media Production.

**MJFC 211. Announcing and Interviewing. 3 crs.** This lecture-laboratory course provides students with an understanding of the techniques and skills for producing effective audio for broadcast. Students learn to perform scripts for news, features, commercials and entertainment programming that can be aired on radio and/or the Internet. In pre-production and planning, production and post-production, students learn how to use the voice through the microphone, produce compelling audio interviews and create audio dramas. The course also explores radio broadcasting and production voiceover opportunities. Productions with exceptional broadcast quality may be published through the Howard University Radio Network. Prereqs: MJFC 200 Intro to Media Production.

**MJFC 220. Media Production II. 3 crs.** Theory and practice of the basic principles governing the disciplines of video and film. The primary concern of the course will be to understand photo-optics, the photochemical process and the television studio through exposing students to a variety of problem-solving exercises. Prereqs: SCOM 120 Digital Media Literacy, MJFC 101 Introduction to Mass Communications, MJFC 200 Introduction to Media Production.

**MJFC 221. Contemporary Topics: Race, Gender and Media. 3 crs.** Race, gender and class are socially and culturally constructed and represented in media. As an introduction, this course examines the mass media as economic and cultural institutions that shape our social identities and are shaped by them. This is accomplished through analyses of popular mass media including film and television. Some attention will be paid to media producers and the media audience. Using the techniques of reviewing personal experience, reconstructing knowledge and conducting

media assessments, this course is designed to stimulate critical thinking and thoughtful discussion.

**MJFC 222. Documentary Film Critique. 3 crs.** This course offers a general survey of the history of American documentaries and teaches students to critically examine the modes, styles, elements, processes and techniques of documentary storytelling. It explores what is documentary as well as ethical and legal considerations for the genre. It examines varieties of approaches adopted by non-fiction filmmakers engaged in producing social documentaries focused on diverse political, economic, cultural, racial, social, personal, and historical attributes and topics.

**MJFC 300. Co-Curricular Journalism. 1 cr.** Students gain supervised, hands-on experience at one of the following Howard University media outlets: WHUT-TV, Howard University News Service ([www.hunewsservice.com](http://www.hunewsservice.com)), 101 Magazine ([www.101Magazine.net](http://www.101Magazine.net)), the National Newspaper Publishers Association News Service and the Howard University Radio Network. Prereqs: MJFC 201 Multimedia Storytelling.

**MJFC 301. Co-Curricular Audio 1 cr.** Students gain supervised, hands-on experience at one of the following Howard University media outlets, the Howard University Radio Network, including but not limited to WHBC 96.3 HD3 and [glasshouseradio.com](http://glasshouseradio.com); [HUNewsService.com](http://HUNewsService.com); and [101Magazine.net](http://101Magazine.net). Prereqs: none

**MJFC 302. Co-Curricular TV/Film. 1 cr.** Students gain supervised, hands-on experience at one of the following Howard University media outlets: WHUT-TV and the Howard University Radio Network, which includes WHUR-Radio 96.3 HD1, WHUR-World 96.3 HD2, WHBC 96.3 HD3, [glasshouseradio.com](http://glasshouseradio.com), H.U.R. VOICES Sirius XM Channel 141 and HBCU Sirius XM Channel 142. Prereqs: MJFC 220 Media Production II.

**MJFC 310. Multicultural Media History. 3 crs.** The political, social and economic history of media in the United States. Emphasis placed on technological, institutional and programmatic development, and their mutual influence on world culture. Prereqs: MJFC 101 Intro to Mass Communications and sophomore standing

**MJFC 311. Interactive Editing. 3 crs.** Students master the essentials of editing across media platforms as well as critical thinking, research, conceptual skills along with search engine optimization. Course includes traditional copy editing as well as text editing for broadcast. Prereqs: MJFC 201 Multimedia Storytelling.

**MJFC 312. Digital Design. 3 crs.** This course introduces students to the principles of layout, design and production of newspapers, magazines, websites and other digital media. Students develop a discerning eye for good design and a competency in graphic communication through use of appropriate professional design software to create a



portfolio of your best work. Prereqs: MJFC 311 Interactive Editing.

**MJFC 313. Public Affairs Reporting. 3 crs.** Students explore how the federal, state and local governments work and their impact on communities. Students cover beats and report on public affairs issues, taking advantage of Howard University's setting in Washington, D.C. Prereqs: MJFC 201 Multimedia Storytelling.

**MJFC 314. Computational Journalism. 3 crs.** Students focus on data-driven reporting and obtaining, manipulating and analyzing electronic information for journalism projects. The class is designed for collaboration between journalism, computer science, information systems and engineering students. Prereqs: MJFC 201 Multimedia Storytelling or permission of the instructor.

**MJFC 315. Special Topics in Journalism. 3 crs.** Specialized reporting course. Offerings change from semester to semester and include Sports Reporting, International Reporting, Critical Writing, Advanced Photojournalism, Business Reporting, and Science, Technical, Environmental and Medical (STEM) Reporting. Prereqs: MJFC 201 Multimedia Storytelling.

**MJFC 316. Enterprise Reporting in Diverse Communities. 3 crs.** Students produce in-depth content packages with a focus on underserved communities in the Washington, D.C., area. Incorporates team teaching. The course is a prerequisite for Senior Capstone: Undergraduate Thesis courses. Prereqs: MJFC 201 Multimedia Storytelling.

**MJFC 317. Broadcast News Production. 3 crs.** Students learn to be a producer—the decision maker behind newscasts. The producer coordinates all of the elements (story meetings, video, scripts) to get his/her product on the air and meet deadline. This includes managing other students while working with constructive criticism from instructors. Students are evaluated on news judgment, creativity, quality of product, management abilities and professionalism. Prereqs: MJFC 316 Enterprise Reporting in Diverse Communities.

**MJFC 318. Media Programming. 3 crs.** Survey of radio and television programs and on-the-air presentations, using advanced techniques in psychological and sociological principles of programming. Prereqs: MJFC 310 Multicultural Media History.

**MJFC 330. Multimedia Audio Production. 3 crs.** This course provides students with basic knowledge of radio/audio storytelling and production techniques via practical experience for broadcast and Internet. Students work on projects designed to develop skills in audio writing, recording, editing, mixing and mastering techniques using digital audio software. The course also focuses on the science of sound and the history and business of radio. Exceptional productions of high quality will be published through the Howard University Radio

Network. Prereqs: MJFC 200 Intro to Media Production. Audio majors are also required to take MJFC 211 Announcing and Interviewing.

**MJFC 331. Audio for TV & Film. 3 crs.** This production course focuses on the techniques of recording sound for film and television and the post-production processes necessary to create the soundtrack. Students use microphones, separate digital audio recorders and digital audio software to capture sound on location and in studio. Working in teams, students cooperate to produce creative projects that build and/or enhance audio production skills. In pre-production, production and post-production, students develop an understanding of audio responsibilities for visual media; become familiar with the legal and ethical issues facing the industry and explore the effective use of sound to help tell a story. Prereqs: MJFC 200 Intro to Media Production.

**MJFC 340. Scriptwriting. 3 crs.** This course serves as an introduction to the fundamentals of film, radio and television scriptwriting. The course will focus on character development, story outlines, treatments and narrative script formats for the web, film, television and radio as well as commercials for radio and television. Students will finish the course with a short film script, webisode or 30 pages of a television pilot. Prereqs: MJFC 200 Introduction to Media Production.

**MJFC 341. Non-Linear Video Editing. 3 crs.** Editing theory and history; advanced proficiency in Final Cut Pro; post-production, from assembly to final mix. Prereqs: MJFC 220 Media Production II.

**MJFC 342. Videography. 3 crs.** An intermediate course in video, studio and field production, operations and techniques, editing and mixing. Prereqs: MJFC 220 Media Production II.

**MJFC 343. Cinematography. 3 crs.** Study of the basic principles governing the discipline of cinematography and the development of technical skills. Fall only. Prereqs: MJFC 220 Media Production II.

**MJFC 344. TV Directing. 3 crs.** An intermediate course in video, studio and field production, operations and techniques, editing and mixing. Prereqs: MJFC 342 Videography.

**MJFC 345. Film Directing. 3 crs.** Students produce short narrative or documentary film projects to strengthen knowledge of the production process and practices in the chosen genre. Each student is responsible for breaking down the physical elements into playable steps with actors or producible steps for documentary film work. Class projects must demonstrate application of theoretical and artistic principles, unified into an organized system of visual and aural expressions. Prereqs: MJFC 343 Cinematography.

**MJFC 346. Film Analysis. 3 crs.** This course is designed to introduce students to the fundamental elements of video and filmmaking, and to analyze how those elements are used together to create meaning.

**MJFC 347. Producing for TV & Film. 3 crs.** This course provides the student with an opportunity to develop their ability to work as a creative producer in the independent film and television production sector, while furnishing the student with some key skills for obtaining employment in the film and television industry in a production capacity.

**MJFC 400. Magazine Writing. 3 crs.** Students learn the theory and practice of writing long-form journalism, short gazette items and interactive narratives for digital and print magazines. Coursework includes regular critiques of published examples by student and professional journalists. Students also serve as reporter/producers for 101 Magazine ([www.101magazine.net](http://www.101magazine.net)). Prereqs: MJFC 316 Enterprise Reporting in Diverse Communities or permission of the instructor.

**MJFC 401. Media Management. 3 crs.** An examination of the functions performed in various departments of news media companies—broadcast, digital, print and combinations of the three—and how these functions affect the operation of a business enterprise. The course introduces students to the economic and structural factors that influence media operations and practices. It also covers management problems. Prereq: MJFC 316 Enterprise Reporting in Diverse Communities.

**MJFC 402. Magazine Publishing. 3 crs.** The interdisciplinary course exposes students to the practice and theory in publishing a magazine across platforms. Students learn about the interactions between newsroom and business departments by studying established companies as well as serving in various roles for 101 Magazine, including business development, strategic planning, editorial and interactive content, design, advertising, circulation, production and public relations. Prereqs: MJFC 316 Enterprise Reporting in Diverse Communities or permission of the instructor.

**MJFC 410. Audio Engineering. 3 crs.** Students explore the theoretical fundamentals of acoustics, electronics, synthesis, sound design in and for music production and digital audio recordings. Along with building vital academic proficiency, students acquire a strong foundation in the use of a digital audio workstation in a music production setting. Students will begin to develop and apply practical skills relating to studio construction, microphones, microphone placement, mixing consoles, recording and signal processors. Audio engineering involves an introduction to software-based recording systems with an emphasis on editing, arranging and mixing. Prereqs: senior standing and MJFC 330 Multimedia Audio Production.

**MJFC 420. Documentary Film Production. 3 crs.** This course is designed to engage the student in the actual conceptualization, planning and development, and execution of a short social documentary. Class will be conducted as a workshop, seminar and mentoring sessions on concept development, research, production and post-production for documentary as students pursue topics of interest to them. Because it will deal with the interpretation and translation of actualities of the real world into the medium of documentary television, this course is intended to carry the student through the rigors of production for documentary based on sound research. Prereqs: MJFC 342 Videography, MJFC 343 Cinematography, MJFC 330 Advanced Audio or MJFC 316 Enterprise Reporting in Diverse Communities.

**MJFC 421. Blacks in Film. 3 crs.** A survey of the history of the image of African Americans in film. Students will analyze the impact that these stereotypes have on society and on Blacks' self-concept. The course will also examine the ways in which the images of Black people have changed (or been perpetuated) when rendered by African American filmmakers. Spring only.

**MJFC 422. Film and Social Change. 3 crs.**

This course deals with critical perspective; the aesthetic as well as the ideological worldview of the films made by non-European filmmakers whose work has been categorized by cultural historians as "Third cinema."

**MJFC 423. Advanced Scriptwriting. 3 crs.** This course is designed for the advanced undergraduate student who has completed the required undergraduate Scriptwriting course. The student must present in class the first act of a feature-length screenplay or 30 pages of a pilot for a television series. An intense concentrated effort will focus on completing a first draft of the student's three-act screenplay or teleplay. Prereqs: MJFC 340 Scriptwriting.

**MJFC 430-435. Directed Studies: Journalism. 3 crs.** Independent research or study, designed to help students pursue interests not served in formal courses. Prereqs: junior or senior standing and faculty/department permission.

**MJFC 436-440. Directed Studies: Audio. 3 crs.** Independent research or study, designed to help students pursue interests not served in formal courses. Prereqs: junior or senior standing and faculty/department permission.

**MJFC 441-455. Directed Studies: TV and Film. 3 crs.** Independent research or study, designed to help students pursue interests not served in formal courses. Prereq: junior or senior standing and faculty/department permission.

MJFC 456. Practicum-Internship: Journalism. 1 cr. Continued ongoing work within the student's chosen area of journalism involving placement in a professional setting in a

supervised internship. Prereqs: MJFC 316 Enterprise Reporting in Diverse Communities and senior standing.

MJFC 457. Practicum-Internship: Audio. 1 cr. Continued ongoing work within the student's chosen area of audio involving placement in a professional setting in a supervised internship. Prereqs: MJFC 330 Multimedia Audio Production, senior standing.

MJFC 458. Practicum-Internship: TV. 1 cr. Continued ongoing work within the student's chosen area of television involving placement in a professional setting in a supervised internship. Prereqs: MJFC 344 TV Directing, senior standing.

MJFC 459. Practicum-Internship: Film. 1 cr. Continued ongoing work within the student's chosen film area involving placement in a professional setting in a supervised internship. Prereqs: MJFC 345 Film Directing, senior standing.

**MJFC 460. Undergraduate Thesis: Journalism I (Senior Capstone). 3 crs.** Required of all journalism majors. Students produce content for broadcast and online platforms. Before graduation, students must also complete a project related to their minors—and ideally another project in their foreign languages—in this or earlier courses. Prereqs: MJFC 316 Enterprise Reporting in Diverse Communities.

**MJFC 461. Undergraduate Thesis: Journalism II (Senior Capstone). 6 crs.** A more intensive Capstone course that substitutes for MJFC 460 and one, three-credit MJFC elective with department/faculty permission. Prereqs: special permission and MJFC 316 Enterprise Reporting in Diverse Communities.

**MJFC 462. Undergraduate Thesis: Advanced Audio Production I. 3 crs.** An advanced study of production methods with an emphasis on studio training in producing multimedia and complete radio programs. Students learn advanced mixing and mastering techniques while creating projects with experimental audio. In-depth study and application of effects processing, dynamics processing, analogue routing and mixing, and mastering are studied. During various critical listening assignments, students will be required to write analysis and commentary. Students will

## **STRATEGIC, LEGAL & MANAGEMENT COMMUNICATION**

SLMC 101. Principles of Speech. 3 crs. This course is designed to develop skills that will strengthen effective communication within a variety of contexts including, but not limited to, academic and organizational settings, with business and professional associates, and with family and friends. It is a performance course that is based on the study of communication theory as applied to a numerous public speaking situations and social interactions. The

be expected to produce an audio electronic portfolio that contains completed productions including audio for film, radio (commercial and non commercial) and multimedia audio for the web (podcasts, SoundSlides). Prereqs: senior standing, MJFC 330 Media Audio Production and MJFC 340 Scriptwriting.

**MJFC 463. Undergraduate Thesis: Advanced Audio Production II. 6 crs.** A more intensive Capstone course that substitutes for MJFC 462 and one, three-credit MJFC elective. Prereqs: special permission, senior standing, MJFC 330 Multimedia Audio Production, MJFC 340 Scriptwriting, MJFC 457 Audio Practicum.

MJFC 464. Undergraduate Thesis: Advanced TV Production I. 2 crs. Independent study of advanced production techniques and principles, during which the student produces a major video product or studio production. The course will also broaden skills to include single camera production to facilitate the development of narrative television programs for broadcast and online distribution. Emphasis will be on taking creative program concepts from mind to screen with the technical mastery of equipment and facilities. Prereq. MJFC 344 TV Directing.

**MJFC 465. Undergraduate Thesis: Advanced TV Production II. 5 crs.** A more intensive Capstone course that substitutes for MJFC 465 and one, three-credit MJFC elective. Prereqs: MJFC 344 TV Directing.

MJFC 466. Undergraduate Thesis: Advanced Film Directing I. 2 crs. The focus of this course is to engage students with the technical as well as creative process of directing for film. On a very advanced level, students will learn how to interpret a classic literary drama by further translating such manuscripts into the medium of motion pictures. Prereqs: MJFC 345 Film Directing.

**MJFC 467.** Undergraduate Thesis: Advanced Film Directing II. 5 crs. The focus of this course is to engage students with the technical as well as creative process of directing for film. On a very advanced level, students will learn how to interpret a classic literary drama by further translating such manuscripts into the medium of motion pictures. Prereqs: special permission and MJFC 345 Film Directing.

overall goals of this course are to improve the student's ability to speak before an audience, to listen to and analyze speeches, to interact more effectively interpersonally with others and to increase awareness of the role of communication in our complex society. Although natural ability is an asset, every student's capabilities in speech communication can be markedly improved through (1) an understanding of the communication process, (2) continued training in communication principles, and (3) practice in interpersonal, intercultural, group and speaker-audience situations.

**SLMC 202. Intro to Communication Theory. 3 crs.** The course is an introductory approach to theories associated with the study and analysis of human communication dynamics. The perspective adopted in the course is that human communication is a complex, problematic, and conflict-ridden challenge that human beings must process and manage as a constant of daily and social life. Communication theory seeks to explore meaning in diverse and complex ways so as to provide a broad base of understanding about the complexity of meaning for social beings, and the challenge that humans have in seeking to construct it, understand it, manage it, critique it, and, when necessary, change it.

**SLMC 203. Principles of Persuasion. 3 Crs.** It is without question that persuasive communication permeates throughout every aspect of our existence. We are constantly inundated with messages designed to influence or change our attitudes, beliefs, values and/or behavior. Moreover, persuasion occurs on every level of communication, from the intra-personal through the global and even occurs within the context of the communication process.

**SLMC 210. Intro to Strategic Communication. 3 crs.** This introductory course explores the basics of how strategic communications works and teaches students the strategic concepts and principles necessary to understand how of how effective advertising, public relations and marketing decisions are developed and executed. This course will provide students with an overview of the principles, history and contemporary practices of the advertising, public relations and marketing industries and explain the nexus among those disciplines. SLMC 203 explores the role of public communication, its pervasiveness in society and provides an introduction to the development of a strategic communications plans. **Prereq:** Sophomore standing.

**SLMC 231. Mock Trial. 3 crs.** Mock Trial is designed to provide students with an introduction to communication in legal processes specifically for trial court settings. Mock Trial will expose students to the fundamental structure of trial court litigation. This course offers the basic principles of civil and criminal litigation and practice, including other various aspects of law, such as the rules of procedure, statutes and case laws. It is expected that each student will gain invaluable experience regarding the principles of persuasion while enhancing their ability to argue and object utilizing the rules of evidence and civil procedure often exemplified in trial court litigation. **Prereq:** SLMC 203.

**SLMC 241. Communication Policy. 3 crs.** This course is designed to introduce students to the structure, process and implementations of telecommunication policies. Students will be exposed to different communication issues and bring about awareness and understanding of the impact communications, particularly telecommunications, has on society. After reviewing a variety of issues that involve structure and operation of mass media system,

students will examine various policies, laws, and regulations under which the media system operates. Over the course of the semester, we will be looking at public and private communication policies and their interactions and the possible impact that a policy may have on the overall performance of the mass media in society.

**SLMC 250. Intro to Leadership and Management Communication. 3 crs.** The course is designed to introduce students to an array of communication principles and practices that will provide them with a more comprehensive perspective on leadership and management. The goal of this course is to improve students' competence in communication leadership and management. The course content is varied, mixing theory and practice and enabling the student to acquire both theoretical knowledge and application skill. The course differentiates between leadership and management and discusses both leadership and followership. It also examines the various contexts in which leadership occurs, such as on the interpersonal, group, cultural, and public contexts.

**SLMC 251. Interpersonal Communication. 3 crs.** Interpersonal communication represents the very foundation of human communication. It is the goal of this course to explore and to develop an intellectual and operational understanding of these two disciplines in order to learn ways of communicating effectively in individual, dyadic and group situations. Special attention will be directed to the application of theoretical perspectives to the classroom and small group settings.

**SLMC 301. Intercultural/International Communication. 3 crs.** Intercultural and International Communication disciplines share similarities with respect to media, culture and political diplomacy between sovereign nations. This course will examine the role media plays when covering issues related to ethnicity and race from the international perspective. It will also explore the cultural and developmental communication initiatives and the critical paradigms that should be employed when dealing with interpersonal, group and mass communication interactions between "developed" and "developing nations." The course will also examine how International Relations (diplomacy) are impacted from a global communication standpoint. The course will establish a credible theoretical framework that underpins intercultural and international communication dynamics in the 21<sup>st</sup> century.

**SLMC 311. Basic PR Writing. 3 crs.** This course is designed to teach professional-quality techniques for writing to persuade in multiple public relations formats, including news releases, news advisories, features, backgrounders, pitch letters and other public relations writing formats in a multi-media environment. **Prereq.** MJFC 100 Fundamentals of Journalism, SLMC 210 Intro. to Strategic Communication.

**SLMC 312. Advanced PR Writing. 3 crs.** This course is designed to build upon the skills and knowledge a student gained in Public Relations Writing I (Basic PR Writing). Students will develop professional-level writing skills with a special emphasis on writing controlled communications, such as speeches, newsletters, pitch letters, public service announcements, brochures and social media tactics, as a part of a strategic communications plan. **Prereq.** SLMC 311 Basic PR Writing.

**SLMC 313. Public Affairs Planning & Management. 3 crs.** This course is designed to introduce students to the tools and techniques of public affairs campaign planning and management in a team environment. The course focuses on the branch of public relations that seeks to effect policy change through legislative, regulatory and executive action. It also builds on students' previous studies of communications theory, reinforces their understanding of the ethical underpinnings of sound public relations practice and engages them in campaign planning while working in teams. **Prereq.** SLMC 311 Basic PR Writing.

**SLMC 321. Advertising Sales 3 crs.** This course discusses the elements of advertising sales and marketing in the business environment. Content consists of advertising and sales promotion, selection of media, and use of advertising and sales promotion as a marketing tool, and ROI (testing media effectiveness). Upon completion, students will demonstrate an understanding of sales/marketing concepts by making actual sales calls to prospective buyers utilizing one of Howard University's media properties. **Prereqs:** SLMC 210 Introduction to Strategic Communications.

**SLMC 322. Advertising Copywriting & Design. 3 crs.** This course combines theory and practice to cultivate effective creative strategy and conceptual thinking within advertising creative utilizing diverse and interdependent media. Students will apply critical thinking to create campaign solutions employing the use of traditional, social, digital and emerging media. Additionally, this course will develop principles of copy writing and design while incorporating the use of professional tools, technology and creative software. **Prereq.** SLMC 210 Introduction to Strategic Communications .

**SLMC 323. Advertising Research and Marketing. 3 crs.** This three-credit-hour course introduces students to basic concepts and methods of the research process used in developing, executing, and evaluating integrated communication campaigns. Course content includes a survey of current research methods used in advertising, public relations and mass media studies. **Prereq.** SLMC 210 Introduction to Strategic Communications ,Junior standing.

**SLMC 324. Media Planning and Buying. 3 crs.** The Media Planning and Buying course will provide you with knowledge of mass media (TV, Cable, Radio, Internet and Print) and various media options that are incorporated into media advertising strategy. Class discussions will focus on

the strengths and weaknesses of various media forms, why certain media are selected and evaluated and the decisions that arise from the media planning and buying process. Class discussions, assignments and activities are designed to present, reinforce and practice skills needed to execute a successful media plan. **Prereq.** SLMC 210 Introduction to Strategic Communications ,Junior Standing.

**SLMC 325. SLMC Co-curricular. 1 Cr.** Students will gain experience in advertising sales, marketing and branding for campus media.

**SLMC 326. SLMC Co-curricular. 1 Cr.** Students will gain experience in advertising sales, marketing and branding for campus media.

**SLMC 331. Communications Law. 3 Crs.** The course is designed to give students an overview of one of our most important fundamental rights, *the Right to Free Speech*. The course will peruse through the gamut of First Amendment laws and constitutional privileges that have influenced our society and have ultimately shaped our legal system. The course will use statutory law and case law to examine the difference between protected speech and unprotected speech whether written or spoken. Above all, the course will analyze how existing law controls the operation of Mass Media and its impact on culture and systems of communication. **Prereq:** ; ENGL 010 – Tech Writing;

**SLMC 332. Intro to Legal Research. 3 crs.** Introduction to Legal Research prepares students with the necessary advanced research skills in legal research by exploring the essential legal resources used by lawyers and other legal professionals. Upon completion of this course the student will be equipped with the vital research skills of surviving in various, if not, all legal related occupations. This course will prepare students with research skills that will enable them to find relevant legal information to enhance any legal analysis. The course explores all facets of legal research using book research as well as online research. **Prereq:** Junior Status; SLMC 331 Communication Law.

**SLMC 341. Race, Gender, and Media. 3 crs.** This course is to explore how gender, ethnicity, and race are represented in both news media and popular culture. A particular emphasis is on the representation in media images, texts, and sounds, and on the significance of studying race and gender. The course invokes social scientific inquiries, both qualitative and quantitative, critically examining historical, socio-economic and institutional influences that govern the representation of race and gender in intersection of other cultural influences.

**SLMC 343. Programming. 3 crs.** This course is a survey of radio, television, cable and internet programs. It examines and evaluates national and international programming strategies and imagery used to maintain

competitive audience. This course prepares students for entry-level jobs in programming and audience research at radio and television stations, syndicators, radio and television networks and cable systems. Finally, this course provides a theoretical framework for organizing and making sense of the processes of programming: selection, scheduling, promotion, and evaluation as practiced by stations and networks. **Prereq.** MJFC 101 Intro to Mass Comm.

**SLMC 351. Advanced Public Speaking. 3 crs.** Public speaking has become an important force for molding and shaping society. In an increasingly complex world, the need for articulate public speakers, that is, those who can present appropriate, relevant, and clear ideas to listeners in a direct, open and convincing manner has become even greater. This course is designed to provide the advanced student with specific communication principles and skills necessary for effective public speaking in a variety of contexts. Prereq: SLMC 101.

**SLMC 352. Intro to Organizational Communication. 3 crs.** This course is designed to explore the various theories and concepts that are foundational to practices and applications in the discipline of organizational communication. The nature of communication as the connecting thread in organizations and between organizations, social and enterprising, will be stressed. Emphasis will be placed on the understanding of organizations, management and leadership within the context of communication. Students will be exposed to the theoretical underpinnings of organizations, their processes and functions. Special attention will be given to the role of effective communication/interaction within the organization to maintain stasis and to manage change.

**SLMC 401. Practicum-Internship: Public Relations (PR). 3 crs.** This is an experiential learning course. Experiential learning is an educational plan that integrates classroom study with practical work experience. This course is designed to provide qualified public relations students the opportunity for challenging and educational "hands-on" learning experience the public relations, journalism or communications fields. Students gain experience and helpful career direction by working under qualified professionals in a structured business environment. Paid or unpaid, students are expected to perform duties that are similar, if not identical, to the type of work they will do upon entering the professional workforce. **Prereq.** Junior/senior standing, SLMC 311 Basic PR Writing, and prior approval of internship before beginning of internship.

**SLMC 402. Practicum – Internship: Advertising (AD) 1 cr.** This is an experiential learning course. Experiential learning is an educational plan that integrates classroom study with practical work experience. This course is designed to provide qualified Advertising students the opportunity for challenging and educational "hands-on"

learning experience the advertising, marketing related or communications fields. Students gain experience and helpful career direction by working under qualified professionals in a structured business environment. Paid or unpaid, students are expected to perform duties that are similar, if not identical, to the type of work they will do upon entering the professional workforce. **Prereqs:** Junior/Senior standing, SLMC 321 Advertising Sales, and prior approval of internship and service learning experience before beginning the internship and service learning experience.

**SLMC 403. Practicum-Internship: Legal Communication (LC). 1 cr.** This is an experiential learning course. The course is designed to provide students with an opportunity for challenging and educational "hands-on" learning experiences. **Prereq:** Senior Status; SLMC 352 Intro to Organizational Communication.

**SLMC 404. Practicum-Internship: Media Management (MM). 3 crs.** This course is designed to facilitate the student's transition from college to the world of work. The focus of the class will be skills training in topics related to the identification and acceptance of employment opportunities, career development and techniques for upward mobility within the field of telecommunications management. **Prereq.** SLMC 321 Advertising Sales or SLMC 343 Programming.

**SLMC 405. Practicum-Internship: Organizational Communication Management (OCM). 1 cr.** This is an experiential learning course. The course is designed to provide students with an opportunity for challenging and educational "hands-on" learning experiences. **Prereq:** Senior Status; SLMC 352 Intro to Organizational Communication.

**SLMC 410. Social Media & Integrated Marketing. 3 crs.** This course is designed to provide students with the history, theory and practical uses of Integrated Strategic Communication (ISC), along with the legal and ethical issues associated with social media. This course requires students to create comprehensive ISC campaigns with an emphasis on targeted uses of social media channels and tactics. **Prereqs:** SLMC 323 Advertising Research & Marketing OR SLMC 311 Basic PR Writing, Senior standing.

**SLMC 431. Conflict Management and Negotiation. 3 crs.** Conflicts are pervasive in human social life. There are differences in disputes involving participants with different backgrounds and goals in different situations, but there are similarities and identifiable underlying dimensions in conflict communication. Some relevant dimensions include gender, role, ethnicity, nationality, and family background. The purpose of this class is to introduce conflict as it occurs in a variety of contexts and the ways in which communication can impact the outcome of conflict. It is also designed to provide students with a framework for the systematic analysis, management and negotiation of

conflict through the use of communicative strategies. Activities for learning include reading about conflict and communication, analyzing conflicts, experiencing, and evaluating communication behaviors that are effective. An introduction to negotiation strategies and practices will be presented.

**SLMC 441. Broadcast Management. 3 crs.** In this course, we will examine various broadcast companies, the organization of these companies and the underlying principles governing their management. **Prereq.** MJFC 101, Junior/Senior Standing.

**SLMC 451. Intro to Training and Development. 3 crs.** The training and development industry is vastly growing and reflects the information age as well as the technological advancement of the 21<sup>st</sup> century. This advancement complements and enhances the field of training and development. Therefore, the expertise and competence of professionals with training and development skills is critical. This course will examine various concepts, theories and issues relevant to organizational communication training and development. Organizational training initiatives will be introduced and explored. To address the changing needs of the workplace we will study the importance of re-education, re-tooling and the re-development of new models. Also, we will examine the field of training and development in an effort to understand the importance of

adult and experiential learning as a tool for sustaining and/or improving organizational effectiveness. **Prereq:** SLMC 352 Intro to Organizational Communication.

**SLMC 490. Communication Research Methods. 3 crs.** This course is designed to introduce students to the basic concepts, principles, and techniques of communication research. Focusing on both qualitative and quantitative research methods, this course will provide students with a basic understanding of what types of studies lend themselves to specific research methods and how to collect and analyze data according to these methods. The course will provide participants with a foundation for developing more advanced research and entrepreneurial skills.

**SLMC 491. CapComm Lab. 3 crs.** CapComm Lab is designed to provide an opportunity for students to gain practical experience through working in a co-curricular advertising and public relations student-run strategic communications firm. The course emphasizes planning, developing, implementing and evaluating strategic communications campaigns. **Prereq.** SLMC 312 Advanced PR Writing or SLMC 323 Advertising Research.

**SLMC 493. Capstone: Senior Research Project. 3 crs.** In this course, students will review the major stages in the research process. Students will conduct and complete a major communication Capstone project related to students' field of study. **Prereq:** SLMC 490 (cannot be taken simultaneously with SLMC 490).

## COMMUNICATION SCIENCES & DISORDERS

**COSD-241. Language Development. 3 credits.** Non-technical survey of the nature of language and language varieties in a multicultural environment. (Fall)

**COSD-261. Phonetics. 3 credits.** Teaches use of the International Phonetic Alphabet for transcription of normal and disordered speech, with emphasis on English sounds. (Spring)

**COSD-262. Speech and Hearing Science. 4 credits.**

**COSD-263. Anatomy and Physiology of Speech and Hearing Mechanisms & Lab. 4 crs.** Examines the skeletal, muscular and neurological systems involved in the processes of respiration, phonation, articulation, resonance and audition. (Fall)

**COSD-361. Introduction to Articulation and Language**

**Disorders. 3 crs.** Discussion of disorders and language, diagnosis and treatment overview. (Spring)

**COSD-362. Introduction to Fluency and Voice**

**Disorders. 3 crs.** Introduction of disorders of voice and stuttering, with an overview of diagnosis and therapeutic management. (Fall)

**COSD-367. Bases of Audiology and Lab. 3 crs.** Involves the descriptive anatomy and physiology of hearing along with testing habilitative and rehabilitative methodologies of hearing pathologies. (Fall)

**COSD-372. Lab Instrumentation & Technology. 3 crs.**

**COSD-463. Directed Study. 1-3 crs.**

**COSD-464. Clinical Practicum. 3 crs.**

## COMMUNICATIONS

Note: Check listings under Strategic, Management and Legal Communications for possible revised offerings.

**HUCO 100. School of Communications Orientation. (Required) 0 cr.** Designed to familiarize students with majors offered by the School of Communications and the various professional opportunities usually associated with these majors. Students are administered the test in oral and written language to assess their skills with an eye toward improvement, if deficiencies are found. The course also focuses on listening and study skills, and on introducing students to the various student organizations in the School.

**HUCO 101. Principles of Speech. 3 crs.** Development of effective oral skills in a variety of speech situations, familiarizing students with communicative processes and their effect on human interactions.

**HUCO 108. Communications Law. 3 crs.** Treats legal aspects of the media with emphasis on libel, copyright, and FCC laws in advertising and retailing.

**HUCO 202. Communication Theory I. 3 crs.** Survey of historical and contemporary theories of the communication process. Prereq.: HUCO 101. Fall semester only.

**HUCO 203. Oral Interpretation. 3 crs.** Discusses theory and practice in communicating orally the meaning in literature through analysis of form and content, along with techniques of reading aloud prose, poetry, and drama. Prereq.: HUCO 101.

**HUCO 204. Introduction to Debate. 3 crs.** Theory and practice in analysis, investigation, reasoning, briefmaking, refutation, and the argumentation process. Prereq.: HUCO 101.

**HUCO 205. Advanced Debate: Mock Trial. 3 crs.** Practicum. Participatory investigation and practice in courtroom debate, with advanced strategies and techniques of persuasion. Prereq.: HUCO 204 or permission of instructor.

**HUCO 208. Forensics Practicum: Debate. 1 cr.** Students who wish to practice competitive courtroom debate may enroll in this course. Prereq.: HUCO 205.

**HUCO 209. Forensics Practicum: Individual Events. 3 crs.** Students interested in participating

competitively in informative, impromptu, extemporaneous, persuasive, after-dinner speeches, as well as oral interpretation of literature may enroll in this practicum.

**HUCO 213. Psychology of Persuasion. 3 crs.** Theoretical and practical study of persuasive processes emphasizing psychological techniques in personal and mass communications. Prereq.: HUCO 101.

**HUCO 242. Language Issues in Communication. 3 crs.** Examines communication dynamics in relation to language as a framer and molder of message content.

**HUCO 307. Inter/Intrapersonal Communication. 3 crs.** In-depth analysis of selected theories, contemporary research review, and participatory analysis of communication behavior. Fall semester only. Prereq.: HUCO 101.

**HUCO 309. African American Rhetoric. 3 crs.** Discusses traditional and contemporary African American rhetorical styles and strategies of communication, including an experimental learning environment in the field. Spring semester only. Prereq.: HUCO 101.

**HUCO 319. Practicum: Human Communication Studies. 3 crs.** Consists of supervised practical experience in a field situation. Prereq.: Junior or senior standing.

**HUCO 320. Organizational Communication. 3 crs.** The study of organizational communication as it occurs at the structural, small group, interpersonal and written levels.

**HUCO 401. History and Criticism of Public Address. 3 crs.** Survey of the development of rhetoric and rhetorical theory from 400 BC to the present. Emphasis on public address. Spring semester only. Prereq.: HUCO 101.

**HUCO 408. Communication Law II. 3 crs.** Study of research methods in legal communication.

**HUCO 410. Negotiation and Conflict Resolution. 3 crs.** Legal principles and practice in settling disputes through communication.

**HUCO 415. Intercultural/Interracial Communication. 3 crs.** Considers the role that



culture and race play in human communication. Fall semester only.

**HUCO 462. Effective Listening. 3 crs.** Assesses the student's level of listening awareness and listening efficiency, distinguishes between hearing and listening, and emphasizes improvement of listening skills through knowledge and effort. The course focuses on receiving, interpreting, evaluating and responding as essential elements in the listening process.

**HUCO 463. Directed Study. 3 crs.** Selected readings directed toward contemporary concerns in speech communications. Prereq.: Permission of instructor and department chairman.

**HUCO 471. Advanced Public Speaking. 3 crs.** Designed to provide the advanced undergraduate student with specific communication principles and skill necessary for effective public speaking in a variety of speaking occasions. Prereq.: HUCO 101.

## JOURNALISM

Note: Check listings under Media, Journalism and Film for possible revised offerings.

**JOUR 100. Multimedia Technology: Interactive Writing. 3 crs.** Application of various software and hardware packages in the creation of Internet Web pages; discussion and methods regarding information design, the use of text, graphics, audio and video to tell a story, promote a cause or sell a product. Principles of entrepreneurship as applied to new media ventures.

**JOUR 201. Fundamentals of Journalism. 3 crs.** Develops in the student a sense of news value; introduces basic news reporting techniques; develops news writing skills; familiarizes the student with journalism ethics and copy editing symbols. Prereqs.: ENGL 002 and ENGL 003 with a grade of C or higher.

**JOUR 202. Reporting and Writing. 3 crs.** Emphasizes actual writing and reporting under newsroom conditions; provides intensive experience in gathering and writing news under deadline pressure. Prereqs.: JOUR 201.

**JOUR 203. Introduction to Public Relations. 3 crs.** An overview of the principles, historical and contemporary practice of public relations in business, government, associations and other organizations; analysis of public relations programs; ethics of public

relations practice and career opportunities. Prereq.: JOUR 201.

**JOUR 204. Introduction to Broadcast News. 3 crs.** An overview of the principles, historical and contemporary practice of broadcast journalism in society with emphasis on methods, terminology and techniques; writing, announcing, ethics and career opportunities. Prereq.: JOUR 201.

**JOUR 206. Introduction to Advertising. 3 crs.** An overview of the principles, historical and contemporary practice of advertising in society with emphasis on newspapers, broadcast and other media organizations; ethics and career opportunities.

**JOUR 301. Advanced Reporting and Writing. 3 crs.** Deals with advanced development of reportorial skills and writing techniques, with exposure to complex issues and ideas influencing public affairs reporting. Prereq.: JOUR 202.

**JOUR 303. Ethics in Journalism. 3 crs.** Evaluation and analysis of contemporary ethical problems encountered in the mass media. Prereq.: JOUR 301 or 3723-311.

**JOUR 305. Special Topics in Journalism. 3 crs.** Topical reporting course designed to change from semester to semester. Topics to be offered include Sports Reporting (JOUR 305 section 01), International Reporting (JOUR 305 section 02), and Editorial and Commentary Writing (JOUR 305 section 03). Prereq.: JOUR 301.

**JOUR 306. History of Multicultural Media. 3 crs.** Comparison of black and white press histories-political, economic, social and cultural, emphasizing the development characteristics of the former.

**JOUR 307. Contemporary Issues. 3 crs.** Examination of such major press issues as censorship, race, pornography, advertising, and confidentiality, with practice in criticism and commentary. Prereq.: JOUR 201.

**JOUR 308. Copy Editing. 3 crs.** Overall view of the editorial concept, with emphasis on the copy editor's job and editing copy manually as well as on the computer. Prereq.: JOUR 202.

**JOUR 309. Publication Production Techniques. 3 crs.** Combines theory and actual practice to demonstrate the techniques of publication production

and the principles of layout and design. Prereq.: JOUR 202.

**JOUR 311. Broadcast Journalism I. 3 crs.** Emphasis on radio and television news reporting with lab and field practice in reporting techniques. Readings, writing, announcing for broadcast. Prereq.: JOUR 204 and RTVF 322.

**JOUR 312. Broadcast Journalism II. 3 crs.** Advanced television news reporting and production. Emphasis on fact-gathering, interviewing, packaging the TV news report. On-the-air reporting. Prereq.: JOUR 311.

**JOUR 313. NewsVision Lab. 3 crs.** Reporting, writing, editing and production for Howard NewsVision, the Journalism Department's laboratory broadcast news and public affairs program. Prereq.: JOUR 311.

**JOUR 320. Advertising Sales. 3 crs.** Examines the principles and techniques of advertising and advertising sales and their application to the print media. Prereq.: JOUR 206.

**JOUR 321. Advertising Copywriting and Design. 3 crs.** Treats the theory and practice of researching, writing, and designing advertising for all media. Prereq.: JOUR 206.

**JOUR 322. Media Planning and Buying. 3 crs.** An overview of the principles of planning and buying media: publications, broadcast, and direct mail and in-depth examination of the sources of pertinent advertising data necessary to the development of all advertising-related strategies and decisions. Prereq.: JOUR 320.

**JOUR 323. Advertising Research and Marketing. 3 crs.** In-depth examination of the sources of pertinent data to provide background and guidelines necessary to the development of all advertising-related strategies and decisions. Prereq.: JOUR 322.

**JOUR 324. Advertising Campaigns. 3 crs.** Develop specific advertising campaigns according to selected media criteria, i.e., newspaper, magazine, radio and television demographics. Study of the differences and similarities in each type of media that ultimately produces successful advertising campaigns. Prereq.: JOUR 323.

**JOUR 325. Advertising Management. 3 crs.** Decision theory and techniques used in planning,

directing and evaluating advertising. Emphasis on media-message strategies and media systems.

**JOUR 330. Public Relations Writing I. 3 crs.** Designed to develop professional level writing skills with emphasis on external communications: press releases, news conferences, spokesperson training, backgrounds, memos, query letters and public service announcements. Prereq.: JOUR 202.

**JOUR 331. Public Relations Writing II. 3 crs.** Designed to develop professional level writing skills with emphasis on publication design, employee communications, speechwriting and audio visual presentations. Prereq.: JOUR 330.

**JOUR 332. Advanced Public Relations. 3 crs.** Emphasis on understanding communication theory, the use of research in public relations, ethics and public opinion. Prereq.: JOUR 330.

**JOUR 333. CapComm Lab. 3 crs.** Emphasis on planning, developing, implementing and evaluating public relations campaigns through a departmental public relations or advertising agency. Prereq.: JOUR 332 or JOUR 323.

**JOUR 401. International Press Issues. 3 crs.** Overview of the publications, advertising and press laws as well as history, development and operation of the international press, with special attention to Africa.

**JOUR 403. Feature Writing. 3 crs.** Deals with the theory and practice of feature writing for publications, including critical inspection of published examples. Prereq.: JOUR 301.

**JOUR 404. Supervised Internship: Advertising. 1 cr.** Offers field experience under the supervision of a professional in print, or broadcast, advertising or an advertising agency. Prereq.: JOUR 320.

**JOUR 405. Supervised Internship: Print. 1 cr.** Offers field experience, under a professional journalist, that requires preparation and publications or regular writing. Prereq.: JOUR 301.

**JOUR 406. Supervised Internship: Broadcast News. 1 cr.** Offers field experience, under a professional journalist, that requires preparation of newscasts at a radio or television station. Prereq.: JOUR 204.

**JOUR 407. Supervised Internship: Public Relations.**

**1 cr.** Actual work experience as an intern with the Public Relations Department of an organization or on a team project assigned by the instructor relating academic training to professional experience. Prereqs.: JOUR 203.

**JOUR 410. Directed Study. 3 crs.** Consists of advanced, individualized research with the department chairman or designee. Prereqs.: Junior or senior standing, and approval of the department's Curriculum Committee.

**JOUR 411. Newspaper Lab. 3 crs.** Reporting, writing, and editing for The Community News, the Journalism Department's laboratory newspaper. Prereq.: JOUR 301.

**JOUR 412. Newspaper Management 3 crs.** An examination of the functions performed in the various departments of a newspaper (editorial, business, and production) and how these functions affect the operation of a newspaper as a business enterprise. The course introduces students to the economic and structural factors which influence media operations and practices; it also covers management problems. Prereq.: JOUR 202.

**JOUR 413. Advanced Copy Editing. 3**

**crs.** Concentration on the editing and display of complex news stories and other print media content with emphasis on accuracy, fairness, news judgment, content, ethical and legal considerations. Advanced practice in designing pages, using computer editing technology, copy control, scheduling and newsroom interaction. Prereq.: JOUR 308.

**JOUR 414. Advanced Management Seminar. 3**

**crs.** An in-depth study of the sources of newspaper revenue, economic trends in publishing; independent and group (chain) ownership; newspaper administration policies and practices. Prereq.: JOUR 412.

## **RADIO, TV & FILM**

Note: Check listings under Media, Journalism and Film for possible revised offerings.

**RTVF 111. Introduction to Mass Communication. 3 crs.** Explores the world of mass communication in its entirety and all critical efforts that affect this area.

**RTVF 211. Communications Research. 3 crs.** Designed to introduce students to the theories and methodologies of research in the field of communications. Emphasis will be placed on developing research models, planning and managing investigations and surveys, as well as on the impact of the research on society. Prereq.: Sophomore standing.

**RTVF 213. History of Broadcasting and Film. 3 crs.** The political, social and economic history of broadcasting and film in the United States. Emphasis placed on technological, institutional and programmatic development, and their mutual influence. Prereq.: Sophomore standing.

**RTVF 215. Communications Policy. 3 crs.** A survey of the new communications technology and systems, focusing on their effect on the formulation of communications policy. Emphasis placed on information reproduction, retrieval, storage and distribution. Prereq.: Sophomore standing.

**RTVF 231. Introduction to Media Production. 3 crs.** Designed to give students a technical and operational foundation in radio, video and film. Requires that each student produce a short project in each medium with projects governed by the aesthetic principles of that medium. Prereq.: Sophomore standing.

**RTVF 232. Basic Television and Film Production. 3 crs.** Theory and practice of the basic principles governing the disciplines of video and film. The primary concern of the course will be to understand photo-optics, the photo-chemical process and the television studio through exposing students to a variety of problem-solving exercises. Prereq.: RTVF 231.

**RTVF 312. Contemporary Topics in Mass Communications. 3 crs.** Discussion of the problems of mass media and society based on readings on the subject. Prereq.: RTVF 111.

**RTVF 322. Radio Production. 3 crs.** Lecture-laboratory course in writing, research, and persuasive communication techniques in radio production. Prereq.: RTVF 231.

**RTVF 324. Broadcast Performance. 3 crs.** Laboratory course dealing with the basic principles of broadcast announcing and interviewing. Prereq.: RTVF 231.

**RTVF 326. Videography. 3 crs.** An intermediate course in video, studio and field production,, operations and techniques, editing and mixing. Prereq.: RTVF 231.

**RTVF 331. TV Directing and Lab. 3 crs.** Advanced television production course focusing on the role of the television director in a variety of productions. Prereq.: RTVF 326.

**RTVF 334. Scriptwriting. 3 crs.** Introduction to the fundamentals of film, radio, and television script writing. Prereq.: RTVF 231.

**RTVF 335. Afro-Americans in Music Industry. 3 crs.** A critical survey of the use and misuse of Afro-American music (blues, jazz, gospel, contemporary) by the commercial recording industry in the U.S.

**RTVF 337. Television Documentary. 3 crs.** Theory and practice in planning and executing public affairs, informational, and cultural documentary programs.

**RTVF 338. TV Tech Operations. 3 crs.** Students learn the different skills necessary to operate the technical areas of a television station. Classes are taught in WHUT-TV, the University-owned television station.

**RTVF 342. Cinematography I. 3 crs.** Study of the basic principles governing the discipline of cinematography and the development of technical skills. Fall only. Prereq.: RTVF 232.

**RTVF 345. Third World Cinema. 3 crs.** Treats the alternative cinema of the Third World, with a view towards film as a reflection of ideological superstructures. Fall semester only. Prereq.: RTVF 232.

**RTVF 346. Blacks in Film. 3 crs.** Historical survey and critical social analysis of black films and blacks in film. Spring semester only.

**RTVF 351. Telecommunications Ownership and Finance. 3 crs.** Treats the principles of marketing and development of buying habits among purchasers through the mass media. Prereq.: RTVF 213.

**RTVF 352. Telecommunications Advertising and Sales. 3 crs.** Introduction to the theories and practices of sales and advertising departments of radio and television stations. Prereq.: RTVF 213.

**RTVF 353. Programming. 3 crs.** Survey of radio and television programs and on-the-air presentations, using advanced techniques in psychological and sociological principles of programming. Prereq.: RTVF 213.

**RTVF 354. WHBC/WHUR Lab. 0 cr.** Organized broadcast activity designed to expose students to all aspects of broadcasting. Students operate independently in all job positions.

**RTVF 366. African-Americans in the Mass Media. 3 crs.** Provides a historical and critical analysis linking the changing images of African Americans in the media to concurrent social, economic, cultural and political trends.

**RTVF 419. Directed Study. 3 crs.** Independent research or study, designed to help students pursue interests not served in formal courses. Prereq.: Junior or senior standing.

**RTVF 423. Advanced Radio Production. 3 crs.** Project course focusing on documentary and dramatic solutions to problems in education and public affairs programming. Prereq: RTVF 322.

**RTVF 424. International Telecommunications. 3 crs.** Comparative study of international communications systems, program policy, economics, organization, and control, with emphasis on Third World broadcasting. Spring semester only. Prereq.: Junior or senior standing.

**RTVF 431. Advanced Television Production. 3 crs.** Independent study of advanced production techniques and principles, during which student produces a major video product or studio production. Prereq.: RTVF 331.

**RTVF 432. TV Practicum. 1 cr.** Continued ongoing work within the student's chosen TV area, generally involving placement in a professional setting. Prereq.: RTVF 326 and minimum 3.0 GPA in all major courses.

**RTVF 433. Audio Practicum. 1 cr.** Continued ongoing work within the student's chosen audio area, generally involving placement in a professional setting. Prereq.: Senior standing and minimum 3.0 GPA in all major courses.

**RTVF 434. Film Practicum. 1 cr.** Continued ongoing work within the student's chosen film area, generally involving placement in a professional setting. Prereq.: Senior standing and minimum 3.0 GPA in all major courses.

**RTVF 435. Management Practicum. 1 cr.** Continued ongoing work within the student's chosen management/policy area, generally involving placement in a professional setting. Prereq.: Senior standing and minimum 3.0 GPA in all major courses.

**RTVF 441. Documentary Film. 3 crs.** Surveys history of the documentary film, concentrating on the documentary as a film with a purpose. Prereq.: RTVF 342.

**RTVF 443. Film Directing. 3 crs.** Teaches the principles of directing: methods and techniques, styles and interpretation of role acting, and stage blocking. Fall semester only. Prereq.: RTVF 342.

**RTVF 451. Broadcast Management. 3 crs.** Functions of various radio and television stations in relation to the community and market. Prereq.: RTVF 215.

## SCHOOL OF EDUCATION COURSE

### ELEMENTARY EDUCATION

**EDUC 100. Orientation & Pre-Professional Seminar. 1 cr.** This course is a prerequisite for matriculation in the Bachelor of Science in Elementary Education program. It is designed to orient potential candidates to the University, to the School of Education, and to the elementary education program. A variety of individual and small group reflections, discussions, activities, simulations, etc. will provide students with a critical look at the teaching profession. Students will have an opportunity to assess or reassess their desire, dispositions, and suitability for teaching diverse elementary school children. Students must satisfactorily complete the 1-credit orientation/seminar no later than the end of the first semester of their freshman year. Undergraduate

**EDUC 120. International Education for Contemporary Societies. 3 crs.** This course is designed to provide a comprehensive overview of the policies and practices of educational systems around the world, with a special emphasis on the global south. Using an interdisciplinary lens, the focus is on developing global competencies that promote global citizenship and a better understanding of global education issues in the contemporary world. Global education movements like Education For All (EFA), gender inequalities, education and conflict, education and immigration, teacher quality, and international conventions and agreements will be examined. A significant international service learning component is also included and is designed to help bridge theory and practice from the local to the global. Undergraduate

**EDUC 212. Educational Psychology: Learning & African American Learners. 3 crs.** This course provides pre-service teachers with the theoretical bases of learning and development necessary to obtain the goals of effective teaching and learning among African American and other diverse student populations. Candidates will examine many questions and answers involving education in today's urban society and promote the understanding and appreciation of principles associated with the learner, learning, and classroom processes. The primary focus of this course is the integration of theories of child growth and development within the practical setting of the school environment. Prerequisite: Department Approval

**EDUC 218. Foundations & Processes of Reading Acquisition. 3 crs.** This course provides pre-service/in-service candidates with knowledge, skills, and dispositions to provide evidence-based literacy instruction for African American and diverse learners in grades 1-6 in urban areas. The course develops students' ability to deliver multiple methods of traditional and technology-based instruction to meet literacy needs in a variety of settings. Emphasis will be placed on asset-based theories and applications that can positively influence students, families, and communities.

**EDUC 219. Schooling for Diverse Populations in American Society. 3 crs.** The course addresses the philosophy, history and sociology of American education, particularly with regard to the role of diversity in development and operation of the nation's education system. Particular attention will be paid to major social, political, and economic forces that have shaped and continue to shape American schools and educational practices. Additionally, the course is designed to build among pre-service teachers a global awareness of how racial, cultural, linguistic, gender, income, and ability diversity affect educational opportunity. It is expected that this course will enable candidates to (a) discern the extent to which some forms of teaching and learning enhance democratic ideals, while others do not and (b) begin to develop a professional identity that also reflects the ideals of equal access and social justice.

**EDUC 220. Learners with Diverse Cognitive, Behavior, & Language Characteristics. 3 crs.** This foundational course focuses on providing students with knowledge about individuals who possess exceptional learning needs because of their diverse cognitive, behavioral, and linguistic abilities. This course focuses on students considered to have high incidence disabilities, as well as those considered gifted. The course will challenge candidates to view all exceptional learning needs from an asset-based perspective while encouraging advocacy for a more equitable and inclusionary society. Candidates will examine the history of special education, legislation, and laws that support the educational rights of individuals with disabilities, their families, and caregivers. Field-based experiences will enable candidates to gain perspective on the life experiences, challenges, and abilities individuals with disabilities.

**EDUC 221. Talent Development Model of Schooling. 3 crs.** This course is designed for pre-service educators to gain knowledge and skills predicated on a comprehensive schooling model – the Talent Development Model - that espouses that all students can learn to high standards and provides evidence-based practices, activities and programs to ensure that this lofty goal for students is actually attainable. The background and research base for this model will be presented, as will practical examples of what the model looks like when it is implemented in schools serving primarily urban or ethnic minority children and youth.

**EDUC 222. Engaging Urban Parents, Families & Communities. 2 crs.** This course, in addition to providing a brief review of empirical data that supports the need for parent involvement, is designed to support pre-service candidates in broadening their conception of parent involvement. Candidates will become aware of the strategies that minority and low-income parents often use to support their children's education; explore strategies for increasing the participation of culturally and linguistically diverse parents in traditional parent involvement activities; and generate strategies for collaborating in culturally responsive ways with families, other educators, related service providers, and personnel from community agencies.

**EDUC 223. Instructional Technology for 21st Century. 3 crs.** This course emphasizes the design and facilitation of learning environments that apply technology-enhanced instructional strategies to maximize student learning. Candidates will apply current research and instructional design principles to create 21st century learning experiences for students. Topics will include technology

concepts; use of technology-enhanced instructional strategies and materials; adaptive technology for children with exceptionalities; technology enhanced assessment/evaluation; and ethical issues surrounding the use of technology. Upon completion, students should be able to apply technology- enhanced instructional strategies, use a variety of technology resources, and demonstrate appropriate technology skills in educational environments.

**EDUC 225. Earth Science and Elementary Science Practices (and Lab). 3 crs.** This course provides candidates with knowledge, skills, and dispositions to render content-rich and rigorous science instruction for African American and diverse urban learners in grades 1-6. Candidates will be exposed to content that supports an elementary school science program including life science, physical science, environmental science, earth science and space science. Candidates will have opportunities to explain, interpret, analyze, synthesize, and evaluate major national and global issues and developments in these science disciplines. Hands on activities, demonstrations, field studies, and virtual labs and trips will be utilized to reinforce basic concepts.

**EDUC 312. Introduction to Assessment & Measurement. 3 crs.** This course is designed to provide pre-service and in-service teachers with basic competencies in educational assessment and measurement that can be used to improve instruction through better assessment of all students, including those with special needs. The point-of-view that instruction and assessment should blend together in the teaching/learning process will be emphasized throughout the course. Beginning teachers will learn how to: design various types of assessments; evaluate students and discuss evaluations with parents; interpret standardized and teacher-constructed assessment data; and use the information to improve teaching and learning. Issues related to validity, reliability, fairness, bias, and technology will be discussed.

**EDUC 314. Principles of Teaching Math & Science in Urban Classrooms I. 4 crs.** This course provides candidates with knowledge, skills, and dispositions to deliver content-rich and rigorous mathematics and science instruction for African American and diverse urban learners in grades 1-3. Candidates will have opportunities to employ a variety of instructional strategies to integrate math and science content and the Common Core State Standards through the Principles of Learning Mathematics and Science. Constructivist, behaviorist, cognitivist, and asset-based approaches and methodologies will be emphasized in this course. Field-based experiences will provide an opportunity for candidates to design, develop and implement evidence-based lessons in science and mathematics for national and global student populations. Prerequisite: Department Approval

**EDUC 315. Principles of Teaching Math & Science in Urban Classrooms II. 4 crs.** This course provides candidates with knowledge, skills, dispositions and pedagogy to deliver content-rich, rigorous mathematics and science instruction for African American and diverse urban learners in grades 4 – 6. Candidates will have opportunities to employ a variety of instructional strategies to integrate mathematics and science content and the Common Core State Standards through the Principles of Learning Mathematics and Science. Constructivist, behaviorist, cognitivist, and asset-based approaches and methodologies will be emphasized during this course. Field-based experiences will provide an opportunity for candidates to design, develop and implement evidence-based lessons in science and mathematics for national and global student populations.

**EDUC 316. Strategies for Teaching English Language Learners. 2 crs.** This course is designed to help teachers understand critical issues that influence the language learning and educational achievement of culturally and linguistically diverse students. The course will provide pre-service candidates without a background in ELL pedagogy with rudimentary information about the characteristics of non-native speakers, the influence of English language acquisition on student performance and classroom interactions, and best-practice, instructional strategies that can enable them to successfully access core curriculum and achieve high academic outcomes.

**EDUC 321. Literature & Writing in Urban, Elementary Schools. 3 crs.** This course addresses the functions of literature in child development, criteria for selecting literature for children, and methods of using children's literature in the classroom. Candidates will explore oral and written literary traditions and the major genres and types of children's literature. Candidates will plan and present classroom activities with a specific emphasis on curriculum integration and the use of asset-based approaches for developing the literary and writing skills of urban, culturally and linguistically diverse elementary school students.

**EDUC 322. Teaching Language Arts and Social Studies in Urban Elementary Schools. 3 crs.** This course provides pre-service candidates with knowledge, skills, and dispositions they need to provide evidence-based instruction in literacy and social studies to African American and other diverse learners in inclusive, urban, elementary school settings. The course employs a balanced approach to teaching language arts and social studies that includes multiple methods of instruction and technology. The course emphasizes the use of asset-based theories and applications to provide elementary students with culturally affirming instruction in reading, writing, speaking, listening, and social studies. Prerequisite: Department Approval

**EDUC 323. Literacy Assessment & Instructional Frameworks in Urban, Elem Schools. 3 crs.** This course provides pre-service/in-service candidates with knowledge, skills, and dispositions to assess and support the literacy development of African American and diverse learners in grades 1-6 in urban settings. Candidates will engage in practical experiences for diagnosing, monitoring, preventing, and remediating literacy difficulties using a range of formal and informal reading assessments. Emphasis on asset-based theories and applications will provide candidates with instructional approaches for enhancing literacy achievement.

**EDUC 324. Teaching Social Studies, Arts, Health and PE in Urban Elem Schools. 4 crs.** This course focuses on the aims, scope, and integration of methods for teaching the Arts, Health and Physical Education across the curriculum. The course utilizes

a constructivist approach to teaching and learning that enables candidates to devise, select, and implement effective instructional strategies for developing diverse learners' knowledge and skills in the arts, health education and physical education. A considerable field experience component is included.

**EDUC 412. Research Foundations & Methods for Classroom Teachers. 3 crs.** This course is designed to equip candidates with the knowledge, skills, and dispositions that are essential to functioning as competent researchers, with a specific emphasis on teacher-led research. By providing multiple experiences that enable candidates to evaluate and conduct educational research, the course broadens candidates' knowledge of literature related to current trends in curriculum and teaching, increases their ability to generate sound educational research, and facilitates their development as reflective professionals and educational change agents. As a final course requirement, candidates will plan, implement, analyze, and interpret the results of an action research project.

**EDUC 420. Interdisciplinary Research in STEM. 3 crs.** This course facilitates candidates' ability to develop science, technology, engineering, and mathematics (STEM) related research projects using tools, models, and theories from a variety of disciplines, emphasizing knowledge of multiple perspectives and research methodologies. Candidates will form interdisciplinary research teams to explore the implications and impacts of interdisciplinary, transdisciplinary, and multi-disciplinary research in urban school settings.

**EDUC 450. Internship and Classroom Management. 9-12 crs.** This course is the seminal clinical internship for prospective teachers and new teachers. The course is designed to prepare prospective and new teachers for teaching in the urban and diverse settings. Students are given opportunities to develop patterns of thinking and knowing with respect to an understanding of self as teacher. The internship is centered on the critical activities of teaching and learning – planning lessons, evaluating student work, developing curricula, and enforcing standards on a full-time basis. The internship provides an opportunity to better understand and discover practical applications of the INTASC Standards. The support seminar fosters analysis and communication of these understandings and discoveries. Prerequisite: Department Approval.

**EDUC 480. International Internship & Special Topics Seminar. 9 crs.** International Internship & Special Topics Seminar. The course offers students the opportunity to integrate pedagogical and theoretical concepts related to teaching and learning in an international context. Candidates will develop global competencies and teaching skills via exposure to international students and educational environments. The seminar aspect of the course will employ online discussions, journal writing, and interdisciplinary readings to enrich candidates' cross cultural experiences and facilitate their intercultural development.

### **Secondary Education Minor**

**EDUC 210. Foundations & Urban Education. 3 crs.** This foundational course will examine urban education from the perspectives of what it means to teach in urban environments, issues that impact urban schools, policies and practices that influence teaching, families and urban communities, and classroom management. It will focus on a broad interdisciplinary view of school as an educational institution and its relationship with urban societies and communities. Sociological and philosophical views will be used to examine how history, race, class, politics, and media have influenced the structure and function of urban education systems. Students will be expected to engage in field experiences in area classrooms.

**EDUC 212. Educational Psychology: Learning & African American Learners. 3 crs.** This course provides pre-service teachers with the theoretical bases of learning and development necessary to obtain the goals of effective teaching and learning among African American and other diverse student populations. Candidates will examine many questions and answers involving education in today's urban society and promote the understanding and appreciation of principles associated with the learner, learning, and classroom processes. The primary focus of this course is the integration of theories of child growth and development within the practical setting of the school environment. Prerequisite: Department Approval.

**EDUC 311. Special Education and Classroom Management. 3 crs.** This course focuses on providing students with knowledge about individuals who possess exceptional learning needs because of their diverse cognitive, behavioral, and linguistic abilities. Candidates will examine the history of special education, legislation, and laws that support the educational rights of individuals with disabilities, their families, and caregivers. In addition, this course offers practical guidance for pre-service teachers to learn and apply classroom and behavior management techniques in both regular and special education settings. Field experiences are required. Prerequisite: Department Approval.

**EDUC 410. Pedagogy & Content Literacy. 3 crs.** This course emphasizes research-based teaching and learning principles for achieving content-specific and broader outcomes. Moreover, this course focuses on helping candidates to prepare students to handle content literacy demands of the discipline. Methods, strategies, technology, and program models appropriate for secondary students are explored. Prerequisite: Department Approval.



**EDUC 430. Methods and Instructional Technology. 3 crs.** This course also emphasizes the design and facilitation of learning environments that apply technology-enhanced instructional strategies to maximize student learning. Candidates will apply current research and instructional design principles to create 21st century learning experiences for students.

**EDUC 450. Internship and Classroom Management. 9-12 crs.** This course is the seminal clinical internship for prospective teachers and new teachers. The course is designed to prepare prospective and new teachers for teaching in the urban and diverse settings. Students are given opportunities to develop patterns of thinking and knowing with respect to an understanding of self as teacher. The internship is centered on the critical activities of teaching and learning – planning lessons, evaluating student work, developing curricula, and enforcing standards on a full-time basis. The internship provides an opportunity to better understand and discover practical applications of the INTASC Standards. The support seminar fosters analysis and communication of these understandings and discoveries. Prerequisite: Department Approval.

## **HUMAN DEVELOPMENT**

**HUDV 001. Freshman Orientation Seminar in Human Development. 1 cr.** Designed to provide incoming students with transition into college life and the academic structure of the human development major.

**HUDV 095. Human Development, Family, Culture and Society. 3 crs.** Provides a framework for understanding human development and family relations.

**HUDV 113. Prenatal, Infancy and Early Childhood Development. 3 crs.** Examines developmental nature and determinants, conception to two years, emphasizing the environment.

**HUDV 114. Growth and Development in Childhood and Adolescence. 3 crs.** Deals with growth and development from early childhood to early adolescence.

**HUDV 118. Children and Adolescents Placed at Risk. 3 crs.** Examines development gone awry during infancy, childhood and adolescence from ecological, developmental, cultural, and other theoretical frameworks.

**HUDV 119. Contemporary Black Children. 3 crs.** Investigates contemporary environmental factors affecting the African American child, stressing strengths and meaningful curricula.

**HUDV 120. Perspectives of Human Development. 3 crs.** Treats developmental theories and research, from infancy to adulthood.

**HUDV 141. Risk and Resiliency in Families and Intimate Relationships. 3.** Explores the parameters and dynamics of female-male roles and the relationships and factors influencing marital and familial success.

**HUDV 143. Parentology: Theory, Research, and Support Systems. 3 crs.** Examines parenting theory and research and its application to rearing healthy children.

**HUDV 148. Research in Human Development. 3 crs.** Deals with methodologies and descriptive/inferential research for developmental models of life stages.

**HUDV 149. Youth, Consumer Culture and the Earth. 3 crs.** Examines the needs of individual and families across the life span, from an ecological framework, and explores social forces and that influence development within society.

**HUDV 150. Positive Aging in adult Development. 3 crs.** Analysis of typical development and problems of behavioral and physiological changes in the aging process, with educational/counseling implications.

**HUDV 151. Thanatology: Death and Dying. 3 crs.** The study of behavioral and emotional aspects of death and dying.

**HUDV 169. Internship in Human Development. 6 crs.** Involves selective field experiences in infancy, childhood, adolescence, adulthood, aging, or parentology.

**HUDV 191. Service Learning in Human Development. 3 crs.** Individual student service learning projects including community outreach, volunteer work, research, and field work.

## COLLEGE OF ENGINEERING, ARCHITECTURE & COMPUTER SCIENCES COURSES

### ARCHITECTURE

**ARCH 003. Environment and Architecture. 3 crs.**

This lecture course examines the interrelationship between the natural and built environments. Within this framework, students are introduced to natural, cultural, psychological, technological, economic and formal factors that have shaped buildings and human settlements across space and time. The course explores the ecological impact of the human settlement; addresses current environmental issues, and acquaints students with concepts of sustainable architecture and development. *The course is open to the university community.*

**ARCH 011. Elements of Architecture. 3 crs.**

Examines the elements of architecture as grouped into two major categories: (1) elements which originate from the needs of man and which are resolved in design, and (2) those elements which originate in nature and which are resolved in construction and technology. **Prereqs.: ARCH-001, ARCH-150**

**ARCH 150. Design Communications I. 3 crs.** A studio course that introduces students to architectural representation. Orthographic projections, descriptive geometry, contours, paraline drawings, shade and shadows and model making are presented and applied.

**ARCH 151. Design Communication II. 3crs.** This course develops the techniques introduced in Graphics I and introduces freehand/estimated perspective, presentation composition and basic rendering techniques. **Prereq.: ARCH-150**

**ARCH 199. Design I. 6 crs.** This first course of the eight-semester design sequence develops principles of architecture in a studio setting. Projects explore notions of space definition, landscape intensification and transformation, space organization and elementary construction technologies. **Prereqs.: ARCH-003; ARCH-011; ARCH-151**

**ARCH 200. Design II. 6 crs.** Continuation of Design I. The level of complexity of the projects is increased. Issues of intention and image are introduced. Natural, suburban and urban sites are used to broaden student awareness of the environment. Ordering principles are related to function and to site conditions. **Prereq.: ARCH-199**

**ARCH 201. Design III. 6 crs.** Reinforces the concepts introduced in Design I and II and explores the impact of function, structure, construction, site conditions and climate on architectural form. **Prereq.: ARCH-200**

**ARCH 202. Design IV. 6 crs.** Continuation of Design III. Explorations of the impact of programming function, structure construction site conditions and the environment on architectural form. **Prereq.: ARCH-201**

**ARCH 203. Design V. 6 crs.** Reinforces work of earlier design studios and explores issues of more complex building types and urban design. **Prereqs.: ARCH-202; ARCH-522; ARCH-502; ARCH-651; ARCH-303**

**ARCH-204: Design VI (6 crs.)** Continuation of Design V. Exploration of issues of more complex building types and urban design and building design comprehensive needs. **Prereqs.: ARCH-203; ARCH-503; ARCH-951; ARCH-304**

**ARCH 205. Design VII. 6 crs.** Design VII. 6 crs. Builds on work of previous design studios and emphasizes exploration and development of architectural expression through integration of various aspects of architectural design within cultural and site contexts. **Prereqs.: ARCH-204; ARCH-392; ARCH-015**

**ARCH 206. Design VIII Terminal Project (Thesis). 6 crs.** The final design studios emphasize exploration and development of architectural expression through integration of various aspects of architectural design within cultural and site contexts. **Prereqs.: ARCH-204; ARCH-701**

**ARCH 301. Architectural History Survey I. 3 crs.**

Principles of architectural history, the why and how of the study of history is presented in the context of early civilizations and their architecture. The course covers the beginning of the Arabic work, antiquity, late antiquity and post. Late antiquity crusades of Africa, Europe, Central Asia, Asia and pre-Columbian America. **Prereqs: ARCH-003; ARCH-011**

**ARCH 302. Architecture History Survey II. 3 crs.** This course provides clear definitions and limits of the elements of architecture as they relate to socio-cultural systems conferring significance and noteworthiness to respective historical styles, from post-renaissance period to the contemporary period. **Prereqs: ARCH-301**

**ARCH 401. Materials and Methods I. 3 crs.**

Introduces students to the technologies of light construction including wood framing, masonry, and concrete. Properties of these materials are analyzed and the problem associated with their assemblies are studied and graphically illustrated. **Prereqs: ARCH-011; ARCH-001; ARCH-151**

**ARCH 402. Materials and Methods II. 3crs.** Continues the issues of Materials and Methods I, analogic and issues related to assemblies in building construction and design. Steel and concrete constructions are examined. **Prereq.: ARCH-401**

**ARCH 501. Structures I (Statics). 3 crs.** Study of force composition, effect, resolution, equilibrium and the strength, mechanical and elastic properties of materials. **Prereqs.: MATH-007**

**ARCH 502. Structures II (Strength). 3crs.** Elementary analysis and design of structural framing members in wood, steel, and concrete. **Prereq.: ARCH-501**

**ARCH 511. Introduction to Computer Applications in Architecture. 3 crs.** This course introduces architecture students to the computer and its application to architecture. Provides computer literacy for both business and graphic computer applications and systems management. **Prereq.: NONE**

**ARCH 521. Introduction to Environmental Systems I. 3 crs.** Exploration of energy issues and conservation, climate, and heat loss and gain as factors in environmental design. **Prereq.: MATH-007; PHYS-008; ARCH-200; ARCH-402**

**ARCH 522. Introduction to Environmental Systems II. 3crs.** Examination of principles and technologies of life safety stems, vertical transportation systems, electrical supply and distribution systems, lighting, and acoustics and their integration with architectural design. **Prereqs.: ARCH-202; ARCH-522; ARCH-502; ARCH-651; ARCH-303**

**ARCH 204. Design VI. 6 crs.** Continuation of Design V. Exploration of issues of more complex building types and urban design and building design comprehensive needs. **Prereqs.: ARCH-203; ARCH-503; ARCH-951; ARCH-304**

**ARCH 651. Principles of Urban Design. 3 crs.** This course exposes architecture students to the concepts, methodologies, techniques and attitudes of urban design. To convey an understanding of urban design in the contexts of both the micro and macro scales of the built environment and to sensitize students to the place of architectural interventions in systems of urban design. **Prereqs.: ARCH-201; ARCH-303; ARCH-001; ARCH-521**

**ARCH 701. Public Issues and Architecture. 3 crs.** This course introduces students to key issues and factors linking architects to the public through an examination of historical developments, public policy, and contemporary development initiatives. An emphasis is placed on issues related to the proliferation of suburbia and the resurgence of urban centers in North America. Human settlements and buildings are shaped within processes and systems regulated by government. They are also a reflection of cultural and social values, channeled through the work of design and development professionals. **Prereqs.: ARCH-203**

**ARCH 751. Professional Practice. 3 crs.** Study of standard practices of the architectural profession, including ethics, contracts, performance criteria and fiscal management. **Prereqs: ARCH-205; ARCH-951** worthiness to respective historical styles, from post-

**ARCH 891. Terminal Project Thesis Preparation. 3 crs.** Research methods, analysis, and program development for thesis project. **Prereqs: ARCH-204; ARCH-951**

**ARCH 901. Programming. 3 crs.** Course focuses primarily on needs of students who are approaching design problems requiring a sequential structuring for analysis, synthesis and evaluation. The course covers micro to macro-environmental programming and design procedures. Considerable emphasis on development and use of appropriate communication skills with case studies. **Prereqs: Second Year Standing**

**ARCH 951. Construction Documents I. 3 crs.** Involves the preparation of technical, professional, and legal documentation for building projects. **Prereqs.: ARCH-202; ARCH-522; ARCH-502**

### **Elective Course Descriptions**

**ARCH 015. Language of Criticism of Art and Architecture. 3 crs.**

Introduces the student to the modes of criticism in art and architecture and focuses on the roles language and text play in our understanding of the entities and representations in art and architecture. Also provides an understanding of the new relationships between text commentary, language-criticism and the evolving discursive methods which linguistics has released into modern criticism. **Prereq.: ARCH-302; ARCH-303**

**ARCH 219. Contemporary Issues in Architecture. 3 crs.** Seminar course which focuses on the work and writing of contemporary "cutting-edge" architects. **Prereqs.: ARCH-301; ARCH-302; ARCH-303**

**ARCH 233. Black Architects. 3 crs.**

**ARCH 235. Interstitial Architecture. 3 crs.**

**ARCH 303. History and Theory III. 3 crs.** The beginning of contemporary Western civilization in the Renaissance brings about new concerns. Architectural expression is presented as seen in Europe and America through the end of the 19th Century to the beginning of the 20th century to the era post modernism, to contemporary. Autonomous developments in the architecture of Africa, Asia, China, Japan and the Americas are examined. **Prereqs.: ARCH-302**

**ARCH 305. Principles of Historic Preservation and Documentation. 3 crs.** The course will introduce students to the history, theory and practice, design and aesthetics, laws and economics of historic preservation and the process and methods of documentation used to record historic building structures. The process and methods of documentation, research, analysis and graphic presentation utilizing a seminar/ demonstration/ case study approach is supplemented by seminar/lectures from specialists in the field. **Prereqs.: ARCH-301; ARCH-302**

**ARCH 306. History of Cities. 3 crs.**

**ARCH 308. Historic Preservation: Documentation. 3 crs.**

The course introduces students to the practice, design and aesthetics, of historic preservation and the process and methods of documentation used to record historic building structures. This course familiarizes students with the methods and means of research, analysis and documentation for the restoration and/or renovation of a historic structure. **Prereqs: ARCH-301; ARCH-302; ARCH-305**

**ARCH 310. Lecture Series/Symposium. 3 crs.**

**ARCH 311. South Asia Architecture and Art. 3crs.** This course is an introduction to the art and architecture of the South Asia sub-continent of India, Pakistan and Bangladesh. The course spans the period of its early beginnings to present-day Modern Asia in a holistic cultural passage that is a window to the sociological, economic and religious- Hindu, Muslim, Buddhist- issues, explorations of the climatic and the environmental influences on its art and architecture. **Prereqs: ARCH-301; ARCH-302; ARCH-303**

**ARCH 312: Kahn: Theory of Tectonics. 3 crs.** This course, through class lectures and presentations, emphasizes the tension between the Theory and Practice of Architecture as illustrated in the work of Louis Kahn. Considerable time will be spent analyzing each building by Kahn in terms of structure, materials, geometry, context, budget, sustainability, construction, program, concept, natural light, precedents, and phenomenology to serve as a model for how students can research, understand,

apply the exposure and knowledge gained in school to real-world buildings in the future. **Prereq.:** ARCH-301; ARCH-302; ARCH-303

**ARCH 321. Centennial Study in Architecture at Howard University. 3 crs.** The course Centennial Studies will plumb the individual stories that contribute to the *saga* of architecture education at Howard University, a great American story and give it expanded edges and the character that evolves from detailed, personal accounts of experiences over the course of life of the degree programs in architecture. February 9, 2011 marked the centennial anniversary of the Howard University Board of Trustees approving degree studies in architecture. Over the 100 years since that initiating action, this *saga* has broad themes of challenges and opportunities and all manner of success among the students, faculty and alumni. Within the broad themes, individual topics will be researched and documented in appropriate media. The intent is to identify and record the personal stories of participants in the saga. Specific skills that students will be exposed to and learn include researching historic topics, developing interview techniques, writing and varied presentation techniques, including short video documentaries.

**ARCH 350. Survey Contemporary Architecture & Theory. 3 crs.** The primary learning objective in this course is to become familiar with the principle, current architectural theoretical ideas, their historical and cultural origins, principle protagonists and representative applications. The intellectual content comes largely from discourses arising from and responding to the so-called "Post Modern Crisis". **Prereq.:** ARCH-301; ARCH-302; ARCH-303

**ARCH 360. Modern Architecture: Black Architecture. 3 crs.** An introduction to the contributions of Black architects, the modernist period architecture of black architects in Washington, DC from a historic overview to research, analysis and documentation of the architecture produced by these prominent architects of this period. The work, specifically, The Houses of noted architects, Hilyard Robinson and Howard H. Mackey are addressed. **Prereq.:** ARCH-301; ARCH-302; ARCH-303

**ARCH 406. Economic Analysis. 3 crs.** Introduces students to the concepts of economics of development and the impact of cost on design. Focuses on relevant development issues including: development goals, site acquisition, locations, market demand, zoning and land use regulations, construction financing and investment potential. **Prereq.:** ARCH-205; ARCH-951

**ARCH 450. Religious Structures: History Independent Study. 3 crs.**

**ARCH 503. Structures III (Structural Innovations). 3 crs.** Analysis, design, comparison and selection of framing systems in the context of varied building requirements. **Prereqs.:** ARCH-205

**ARCH 504:Structural Innovations. (3 crs.)** Innovations in digital media has facilitated the generation of complex, "*potentially-architectural*" ideas with relative ease. To explore these latent ideas as architecture, the study of structures must increase its capacity to engage these expressions. Through the dialogue between idea and structure architectural form is articulated. The course intent is thus, to develop the students understanding of the evolution of historical structural systems, as well as, the progression of innovative structural systems and their impacts and their potential impacts on architectural design. The course also applies a philosophical position regarding the relationship between structural systems and architectural form and space, to ultimately apply progressive thinking to innovative structural systems. **Prereqs.:** ARCH-502

**ARCH 505. Skin-Aesthetics and Tectonics. 3 crs**

**ARCH 513: Advanced Computer Applications Lec/Lab. 3 crs.** Course familiarizes students with 3-D modeling and rendering and visual communication and presentation techniques. Students use the system to study mass, proportion, color, and materials to assist them in expressing the intent of their design concepts. **Prereqs.:** ARCH-512

**ARCH 515: Imagineering Design for Entertainment. 3 crs.** The course in entertainment design involves the development of both architectural, engineering and storytelling skills to conceptualize, organize, write, and illustrate specifications to construct and create material, for digital and virtual experiences. Students gain experience in industry concepts and technology, to understand and develop special effects and exhibit development for the entertainment field, including, museums, historic sites, and amusement parks. The focus of this course is on the development of a product rather than how to use computer applications and will stress an industry methodology (workflow) for the development of entertainment concept design. **Prereqs:** ARCH-513

**ARCH 516. Sustainable Environmental Systems. 3 crs.**

**ARCH 550. Infrastructure Design & Development. 3 crs.** The intention of this course is to introduce students to the rigors of infrastructure design and development and the merits of interfacing of both gray and green infrastructure design systems and the associated appropriate thinking and vocabulary.. To make them aware of the various players and stakeholders, the various layers of information to be processed and mapped, and to then guide them into the development of appropriate reports to convey intent and design recommendations. **Prereqs: ARCH-522**

**ARCH 560. Building Types Research. 3 crs.** The course is designed to provide the student the opportunity to identify and address significant issues/concepts in architecture leading to the development of a building topic investigation. **Prereqs: ARCH-951**

**ARCH 602. Landscape Architecture and Design (Developing Countries).** Principles and technologies of site design with emphasis on tropical regions. **Prereqs: ARCH-201; ARCH-202**

**ARCH 650. Urban Housing Seminar. 3 crs.** This seminar focuses on practical aspects of the development of publicly financed, affordable housing and urban neighborhood development, with a particular emphasis on environmental sustainability. Washington, DC will form the backdrop for the discussion, which will regularly include local practitioners who are recognized experts on specific topics. At the end of the semester, each student will have an understanding of the political, financial and social context within which architects and designers must work to realize high quality design. The course starts with the history of urban renewal, the overall structure of city government and then addresses issues specific to individual projects, such as financing, planning/zoning, and environmental concerns. The course ends with a discussion of various redevelopment projects currently being built throughout the District. **Prereq.: ARCH-201; ARCH-202**

**ARCH 652. Urban Design Case Studies. 3 crs.** The main components of Urban Design are the square, the street and the buildings that make up the public face of towns and cities. The subject matter of the course details the meaning and role these elements play in urban design and the ways in which they are arranged and designed. **Prereqs.: ARCH-651**

**ARCH 653. Black Women Architects. 3 crs.**

**ARCH 656. Introduction to Community Planning. 3 crs.** Course enables students to gain an understanding of and appreciation for the planning, policies, and programs which shape our communities. Using the case study method, students will be introduced to basic planning skills, research, analysis, critical thinking, strategies for conflicts resolution, program planning, design and development. The course is open to the University community. **Prereq.: ARCH-201; ARCH-202301; ARCH-302; ARCH-303**

**ARCH 657. Preserving US Sites of Memory Abroad. 3 crs.** This course will study the design philosophies, design processes and meaning of the American Battle Monuments Commission (ABMC ) properties in Europe, the USA, North Africa, Mexico and Asia. Additionally, sites developed by other entities in the US will be considered (Pennsylvania State WWI memorial outside of Chateau Thierry, France). This course is a specialized extension of Principles of Urban Design focusing on sites of memory and their characteristics. Students will apply the techniques of urban design analysis learned in Site: Design & Principles to study selected sites and their meaning and contexts. **Prereq.: ARCH-201; ARCH-303; ARCH-001; ARCH-25101; ARCH-302; ARCH-303**

**ARCH 658. Urban Design of Sacred Places. 3 crs. Prereq.: ARCH-205; ARCH-951**

**ARCH 659. Independent Study: New Orleans Rebuilding. 3 crs.**

**ARCH 660. Urban Housing Case Studies. 3 crs.** This seminar will introduce students to different urban housing development models within the City of New Orleans with a particular focus on historic preservation. Students will learn the methodology of neighborhood development and preservation while maximizing sustainability through case studies. The course will culminate in a field trip to New Orleans where students will tour case study sites and meet development professionals involved in the important preservation work taking place. The class will be taught by live and remote lecture via Skype. **Prereqs.: ARCH-201; ARCH-202**

**ARCH-661: Principles of Tropical Housing Design. 3 crs.**

**ARCH 662. Tropical Architecture & Urbanism. 3 crs.**

**ARCH 663. Black City: the Other and the City. 3 crs.** This seminar course explores the theoretical projections of the conceptual and ideological constructs of "blackness" related to space and urbanity to engage in research to expand upon the framework of the black city by exploring the relationship between development of and race in the DC Metropolitan area. The course intent is consistent with the Architecture programs direction of community design and understanding of the urban environment, especially of the African American communities. **Prereqs.: ARCH-301; ARCH-302; ARCH-303**

**ARCH 664. Design for Low Cost Housing: Global Perspective. 3 crs.** In this course, students will use the case study format through comprehensive student group projects to identify design principles, planning, problems, lack of imagination, lack of design, for planned expansion, neglect of fundamental principles of climatology as applied to housing design, identification of what inhibits the principles of good design as a result of customs taboos, and the desires of people in selected and diverse communities. **Prereqs.: ARCH-301; ARCH-302; ARCH-303**

**ARCH 669. Islamic Architecture & Urbanism. 3 crs.** The course is a critical survey of the history and theory of urban development, organization, and architecture of Muslim cities with specified periods of history as well as within given parts of the world. **Prereqs: ARCH-302**

**ARCH 701. Public Issues and Architecture. 3 crs.** This course introduces students to key issues and factors linking architects to the public through an examination of historical developments, public policy, and contemporary development initiatives. An emphasis is placed on issues related to the proliferation of suburbia and the resurgence of urban centers in North America. Human settlements and buildings are shaped within processes and systems regulated by government. They are also a reflection of cultural and social values, channeled through the work of design and development professionals. **Prereqs.: ARCH-203**

**ARCH 752. Business of Architecture. 3 crs.** This course will provide students with a broad understanding of the real estate development industry, real estate finance and the architect's role in a development deal. Students will track an affordable housing deal from beginning to completion, while concurrently learning about issues surrounding site selection, land use and zoning, finance, ownership structure, construction documents, relationships of parties, and sustainability. The course will include an analysis of project pro forma, the financial relationships of the parties, risk and liability, as well as financing tools. By the end of the course students will have a firm grasp of the anatomy of a real estate project, and understand how to evaluate potential projects using the triple bottom line metric. **Prereqs: ARCH-203**

**ARCH 753. The Anatomy of Black Architectural Practice. 3 crs.** This introductory survey course focuses on the historical and the current issues, theories and approaches related to the practice of architecture in firms headed by African Americans. The course engages both research and seminar formats to investigate and report on the factors which influence the success (or failure) of the African American in architecture practice. The research and course is consistent with the Department of Architecture's goal of advancing the study of the role of the African American Architect, of Howard University's role as the leading educator of Black architects, and to enhancing the scholarship of the Black Architect and to provide focus on the Howard University architecture program as a leader in the study of the influence of the Black Architect and its practice globally. **Prereqs.: ARCH-200**

**ARCH 755. The (FAB) Collaborative: Freelon, Adjaye, Cook. 3 crs.** This course focuses on various aspects of museum planning and design based upon the new Smithsonian Museum of African American History and Culture (NMAAHC), on the National Mall in Washington DC. Through firsthand insight into the interworkings of this historic-groundbreaking design collaborative, the principals of the FAB team - Phillip Freelon, FAIA, David Adjaye, OBE and Peter Cook, AIA- through a series of collective lectures and workshops explore museum planning and design from the early political background leading to the inception of the project and the formation of this dynamic team, the conceptual realization and design to the eventual physical realization of this monumental design from the perspective of these world renown design principles. **Prereqs: ARCH-205; ARCH-951**

**ARCH 764. Mat: Vernac Low/High Tech Applications. 3 crs.**

**ARCH 765. Technology & Architecture. 3 crs.**

**ARCH 803. Independent Study. 3 crs.** Independent study in the area of the student's professional interest. Prereqs.: Fourth or fifth-year standing and approval of the faculty and Department Chair. **Prereqs: ARCH-204; ARCH-701**

**ARCH 807. Site: Design & Principles. 3 crs.** The course covers all aspects of site analysis and design from the graphic tools to the critical components that must be evaluated in the process of determining the proper planning and design of a site. **Prereqs: ARCH-151; ARCH-199**

**ARCH 809. Explorations in Architecture. 3 crs.** This seminar course focuses on international practice and merging trends in architectural design. Approval of the Department Chair. Prereq: **ARCH-204; ARCH-701**

**ARCH 811. Directed Studies. 3 crs.**

Independent study at the advanced level in the area of the student's professional interest. Prereq.: Approval of the Department Chair. Prereq.: ARCH-204; ARCH-701

**ARCH 812. Architecture Study Abroad Semester: Paris. 3 crs.**

**ARCH 822. Strategies of Com Dev & Practice. 3 crs.**

**ARCH 823. New Architecture in Historic Districts. 3 crs.** The course will examine the nature of historic districts, including the criteria for and importance of physical context. Students will be exposed to basic field techniques and skills necessary to accurately interpret the fabric of historic buildings and their settings. The analysis will include the impacts and implications of new design within historic districts. **Prereqs.: ARCH-202; ARCH-401; ARCH-522ARCH-651**

**ARCH 824. Waterfronts: Des & Sustain. 3 crs.** To introduce students to a range of practical issues involved in the design and management of modern waterfront development, including financing and fiscal arrangements, monitoring of instrumental behavior and use in development of mixed-use urban waterfront communities. The course examines several case studies drawn from around the world. It will highlight sustainability and public interest issues in waterfront development, and deals with the practical planning and design issues which determine how, where and when architecture, urban planning, urban design and urban landscaping confront the realities of water, sustainability, waterfront regeneration, and the new densities and diversification of activities on waterfronts. **Prereq.: ARCH-651**

**ARCH 909. Advanced Delineation. 3 crs.** Study and application of rendering techniques in various media. **Prereq.: ARCH-151ARCH-205; ARCH-951**

**ARCH 912. Meaning and Symbolism in Architecture. 3 crs.** The course focuses on architecture viewed as systems, signs, and symbols and its processes studied through patterns of information and communication. The pedagogical objective is to accentuate on the differences between hidden dimensional meanings of a simple engineered building and a meaningful work of architecture. Symbolic language in architecture is represented through formal expressions of meanings associated with parts and patterns used in morphology of architecture whether they are parts, patterns, or the whole of any given piece of architecture. **Prereqs.: ARCH-151**

**ARCH 952. Construction Document II. 3 crs.** (Narrative) Continuation of ARCH-951. **Prereqs.: ARCH-951**

**ARCH 961. Construction Management. 3 crs.**

The study of project management techniques as they relate to the architect and the construction industry. **Prereqs.: ARCH-204; ARCH-402; ARCH-521**

**ARCH 998. Internship. 3 crs.** Students are placed on a part-time basis with practicing firms, municipal and governmental agencies to participate in the actual organizational functions. Prereq.: Third year standing. Permission of the faculty.

## **CHEMICAL ENGINEERING**

**EGPP 101. Introduction to Engineering. 2 crs.** Introduces and engages first year engineering students in the engineering and design process. Focus is given to knowledge of ethics and other issues of relevance to society. *PREREQ: None.*

**EGPP 103. Introduction to Engineering Team Adoption. 1 cr.** Elective. Adoption of engineering teams; group dynamics; team work.



**CHEG 102. Introduction to Engineering Design. 3 crs.** Introduction to chemical process design within the context of technological, social, cultural and intellectual developments; The course will help students to appreciate and understand the intellectual framework of engineering and the critical thinking that goes into it; Students will be expected to incorporate an understanding of the role of economic, safety, environmental and ethical considerations into the practice of engineering; and understand the way data is obtained and analyzed with an introduction to software packages that will be utilized in the chemical engineering program; and to provide students the skills and background necessary to be able to interpret data and discuss and communicate results and conclusions. *CO-REQ: CHEM-003.*

**CHEG 201. Chemical Engineering Material Balances. 3 crs.** Analysis and application of material balances to chemical engineering operations and processes, introduces stoichiometric relations, process flow sheeting and correlations of chemical and physical properties. *PREREQ: MATH-156 & CHEM-003*

**CHEG 202. Chemical Engineering Energy Balances. 3 crs.** Application of energy balances to chemical engineering operations and processes that involve non-reactive and reactive systems. The first law of thermodynamics and the correlation of chemical and physical properties are treated along with chemical and phase equilibria. *PREREQ: CHEG-201 and MATH-157.*

**CHEG 211. Computational Methods in Chemical Engineering. 3 crs.** Elective. Introduction to the methods and techniques of computer-assisted problem solving methods, and also to review various engineering mathematical techniques and their application in solving chemical engineering problems. *PREREQ: CHEG-102, MATH-156*

**CHEG 301. Fluid Mechanics. 3 crs.** Quantitative study of chemical engineering unit operations including fluid flow in piping systems and through porous media; motion of particles in fluids; metering; and differential analysis of pipe flow. *PREREQ: CHEG-202, PHYS-013*

**CHEG 302. Heat Transfer. 3 crs.** Quantitative study of chemical engineering operations including heat exchange by conduction, convection and radiation as well as Heat Exchanger Design. *PREREQ: MATH-159; CO-REQ: CHEG-301.*

**CHEG 303. Chemical Engineering Thermodynamics. 3 crs.** Introduction of second law of thermodynamics, use of entropy and free energy, properties of pure fluids and mixtures, equations of states, applications to power and refrigeration cycles, and study of phase and chemical equilibria. *PREREQ: CHEG-202; PHYS-013.*

**CHEG 306. Chemical Engineering Analysis. 3 crs.** Introduction of chemical engineering analysis that enables us to express engineering problems in precise quantitative terms. This translation process, from physical system to mathematical description, will be emphasized throughout the course. The fundamental principles that will be used are the conservation laws of mass and energy adapted to the particular situations of interest. These may be closed systems (no flow into or out of the system boundaries) or open systems where such flows occur. We will solve systems of algebraic and first order differential equations with an emphasis on the modeling and simulation techniques of the MATLAB/SIMULINK package. *PREREQ: MATH-159, CHEG-301; CO-REQ: SYCS-165*

**CHEG 401. Separation Process/Mass Transfer. 3 crs.** Quantitative study of chemical engineering operations involving equilibrium stage and differential mass transfer operations. To instruct the students on the fundamentals and the methodologies of equilibrium stage and differential mass transfer operations for the calculation of separation parameters. *PREREQ: CHEG-302, CHEG-303, CHEM-171/Permission of instructor.*

**CHEG 402. Process Control. 3 crs.** Involves methods of process control, dynamic response of chemical processing equipment and systems, modes of control and controller characteristics, and use of mathematical and experimental models. *PREREQ: CHEG-302, CHEG-306 or Permission of Instructor.*

**CHEG 403. Chemical Reaction Engineering. 3 crs.** Presents the fundamentals of chemical reaction kinetics and application of kinetics, thermodynamics, and transport phenomena to the design of chemical reactors. *PREREQ: CHEG-301, CHEG-303, CHEM-141, CHEM-171, MATH-159 or Permission of instructor.*

**CHEG 405. Chemical Engineering Laboratory. 3 crs.** Application of chemical engineering process and unit-operation principles to quantitative experiments in small-scale equipment. *PREREQ: CHEM-145 or CHEM-173; COREQ: CHEG-401*

**CHEG 406. Introduction to Polymer Systems. 3 crs.** Elective. Modern industrial and commercial processes for production and fabrication of polymer materials. *PREREQ: CHEM-142 and CHEM-171; CHEG-303; COREQ: CHEG-302.*

**CHEG 407. Process Design I. 3 crs.** Involves cost estimation, materials of construction, and fabrication selection in the optimum design of chemical processing systems and equipment along with optimization incorporating the time-value of money and mathematical programming techniques. *PREREQ: CHEG-303, CHEM-171 or Permission of instructor; COREQ: CHEG-302, CHEG-401.*

**CHEG 408. Mathematical Methods in Chemical Engineering. 3 crs.** Elective. Teaches use of the basic laws of conservation of momentum, mass, and energy, including rate expressions to formulate ordinary, partial differential and other fundamental equations describing chemical engineering processes, analytical and numerical solutions of resulting equations. *PREREQ: CHEG-306 or permission of instructor.*

**CHEG 409. Independent Study in Chemical Engineering. 1-3 crs.** Elective. Provides advanced treatment of selected topics in chemical engineering, with independent study subjects arranged to fit the interests of the student and advisor. *PREREQ: Junior standing or Permission of instructor.*

**CHEG 410. Advanced Mass Transfer -- Selected Topics. 3 crs.** Elective. Deals with dynamic sorption operations and newly developing separation techniques, including equilibrium concepts and mass transfer design methods. *PREREQ: CHEG-303 and CHEG-401*

**CHEG 412. Transport Phenomena. 3 crs.** Elective. Provides a unified treatment of momentum, heat, and mass transport, with development of equations of change and application of microscopic and macroscopic balances to a variety of chemical engineering problems. *PREREQ: CHEG-306; COREQ: CHEG-401 or Permission of instructor.*

**CHEG 413. Chemical Engineering Lab. 3 crs.**

**CHEG 414. Process Design II. 3 crs.** Instruction in the use of chemical engineering and economic principles in solving problems of design and optimization of chemical processing systems and equipment, along with application of optimization methods and computer simulations in determining optimum selection of process variables. *PREREQ: CHEG-306, CHEG-401, CHEG-403, CHEG-407, CHEM-142, CHEM-172 or Permission of instructor.*

**CHEG 416. Fundamentals of Environmental Engineering. 3 crs.** Elective. Introduces students to environmental engineering, hydrology, water and waste water treatment, air pollution and control, solid waste disposal, and hazardous waste treatment and management. *PREREQ: CHEG-306 or Permission of instructor.*

**CHEG 417. Frontiers in Nanoscience Engineering and Technology. 3 crs.** Elective. This course will emphasize the history of and characterization tools for nanotechnology. Leading edge areas of research and potential impacts of nanotechnology will be covered. *PREREQ: Permission of instructor.*

**CHEG 424. Bioprocess Engineering. 3 crs.** Elective. Provides students with a rudimentary but sufficient and necessary introduction to the biological sciences, which underlie the applications of chemical engineering principles and practices to the biological processing of materials into marketable products and processes. The principles and practices of chemical engineering are then brought to bear on phenomena in the various life-science disciplines leads then to studies of bioreactor engineering, kinetics and design, and bioseparation processes. *PREREQ: CHEG-202 or Permission of instructor.*

**CHEG 425. Air Pollution Engineering. 3 crs.** Elective. Deals with thermodynamics and reaction kinetics of primary and secondary air pollutants, transport and diffusion processes in the atmosphere, stack design and plume dispersion modeling, and design of air pollution control equipment for particulates and gases. *PREREQ: CHEM-142 and CHEG-306; CO-REQ: CHEG-401.*

**CHEG 426. Polymer Rheology. 3 crs.** Elective. Treats viscoelasticity and the generalized Newtonian fluid, including the power law, in fluid mechanics and rheology. Differential and integral constitutive equations. *PREREQ: CHEG-412.*

**CHEG 428. Introduction to Electrochemical Engineering. 3 crs.** Elective. Introduces students to fundamentals of electrochemical engineering. Treats fuels cells, energy generation with some focus on electrochemical membranes. *PREREQ: Permission of instructor.*

**CHEG 430. Nanomaterials. 3 crs.** Elective. Leading edge areas of research and potential impacts of nanotechnology will be covered. Although nanomaterials fabrication and processing will be emphasized, production of nanobioassemblies, and nanomedicine applications will be reviewed. *PREREQ: Permission of instructor.*

**CHEG 800. Chemical Engineering Seminar. 0 cr.** Elective. Presents selected topics of interest to chemical engineering students and professionals and discusses professionalism, careers in chemical engineering, graduate school and AIChE.

**CHEG 900. Engineering Practice. 3 crs.** Elective. Involves practical engineering work carried out by students enrolled in the Cooperative Education Program during the time spent in industry. Credit may be awarded based on an evaluation of work experience by the faculty and employers. *PREREQ: Enrollment in Cooperative Education Program.*

## **CIVIL ENGINEERING**

**EGPP 101. Introduction to Engineering. 2 crs.** Provides information on engineering education, the engineering profession, and basic concepts and tools. Introduces the engineering design process and provides the opportunity for students to complete engineering design projects.

**CIEG 102. Introduction to Civil Engineering. 3 crs.** Introduces the student to the disciplines within civil engineering and skills needed for success in the major and profession, including MathCAD. Prereq.: EGPP-101.

**CIEG 103. Comp. Essentials in Civil Engineering. 3 crs.**

**CIEG 202. Statics. 3 crs.** Introduction to vectors, pseudo-graphical and analytical micro-computer aided resolution and composition of forces; equilibrium of collinear, concurrent, and non-concurrent two and three dimensional force systems, as applied to particles and rigid bodies. Coulomb friction; Hooke's law; introductory application of equilibrium, compatibility, and constitutive relations in the determination of forces moments, displacements and rotations of simple deformable bodies and biomechanical systems, using simple computer aids. Prereq.: MATH-157; PHYS-013.

**CIEG 207. Introduction to Environmental Engineering. 3 crs.** Introduces concepts in water supply, water and wastewater treatment, air quality, solid and hazardous waste management, and social and ethical considerations. Provides a brief history and background of environmental engineering. Prereq.: CHEM-003.

**CIEG 301. Mechanics of Materials Lecture. 4 crs.** Introductory analysis of tension, compression and shear; analysis of stress and strain; ties, shafts, beams and columns; related laboratory experiments and computer applications; introduction to structural analysis and design. This course must be taken during the same semester as CIEG-301b, Mechanics of Materials Lab. Exceptions must be approved by Instructor prior to course registration. Prereq.: MATH-159; CIEG-302, Coreq.: MEEG-309.

**CIEG 302. Dynamics. 3 crs.** Study of motions of particles; particle systems, rigid bodies and simple deformable mass system; rectilinear and curvilinear kinematics; Newton's laws of motion and gravitation; work energy and impulse-momentum principles; conservation laws for energy and momentum; introduction to vibrations; computer-aided applications. **Prereq.: CIEG-202; Coreq.: MATH-159.**

**CIEG 303. Mechanics of Materials Lab. 1 cr.** Experimental laboratory to accompany Mechanics of Materials lecture. This course is a co-requisite of CIEG 301, Mechanics of Materials Lecture.

**CIEG 311. Fluid Mechanics Lecture. 4 crs.** Theoretical studies of fluid properties, hydrostatics, and kinematics of fluid motion; continuity; Bernoulli; impulse-momentum; drag and resistance to flow laboratory studies. This course must be taken during the same semester as CIEG-311b, Fluid Mechanics Lab. Exceptions must be approved by Instructor prior to course registration. Prereq.: MATH-159; CIEG-302.

**CIEG 313. Fluid Mechanics Lab, 1 cr.** Experimental laboratory to accompany Fluid Mechanics lecture. This course is a co-requisite of CIEG 311, Fluid Mechanics Lecture.

**CIEG 314. Structures I, 3 crs.** Includes forms and concepts; statically determinate structures; and reactions, shears, moments, and deflections in beams, trusses, and frames. Introduction to design of simple elements and connections. **Prereq.: CIEG-301.**

**CIEG 316. Materials Engineering, 3 crs.**

**CIEG 328. Unit Operations in Environmental Engineering, 3 crs.** Analysis and basic design of treatment facilities for the remediation of air, water and land pollution. Prereq.: CIEG-207.

**CIEG 349. Analysis Methods in Civil Engineering, 3 crs.**

**CIEG 350. Engineering Economics, 3 crs.** Examines principles of accounting, time value of money, depreciation, taxes, retirement, and economic analysis of alternatives for use in personal finances and engineering projects. Prereq.: MATH-157. {Note: replaces Engineering Systems Analysis}

**CIEG 351. Probability and Statistics, 3 crs.** Introductory probability and statistics, probability theory, distribution, random variables, statistical analysis, confidence intervals, and hypothesis testing. **Prereq: MATH-158.**

**CIEG-352. Water Resources Engineering I, 3 crs.** Includes hydrologic cycle, climatologic, meteorologic, and hydrologic data, and the effect of precipitation, water losses, and storage on surface and subsurface flow. **Prereq.: CIEG-351.**

**CIEG 400. Special Topics in Civil Engineering, 3 crs.** Presentation of material not normally available in regular course offerings or offering of new courses on a trial basis. Content determined by faculty member in consultation with the Department Chair.

**CIEG 416. Transportation Engineering, 3 crs.** Involves planning and design of highways. Students work in teams during the preparation of the required design plans, cost estimates and project reports. Prereq.: CIEG-207; CIEG-302; CIEG-350.

**CIEG 419. Structures II, 3 crs.** Theory of structural principles; determinacy and stability, approximate analysis of statically indeterminate structures; influence lines and moving loads; calculation of deflections; analysis of statically indeterminate structures using flexibility method. Prereq.: CIEG-314.

**CIEG 420. Structures III, 3 crs.** Continuation of CIEG-419 covering analysis of statically indeterminate structures, moment distribution; matrix formulation of the direct stiffness and flexibility methods; finite element techniques; introduction to nonlinear (plastics); structural stability and dynamics. Prereq.: CIEG-419; Coreq.: CIEG-422.

**CIEG 422. Steel Design, 3 crs.** Principles of structural design, loads, types of steels, tension members, columns, non-composite and composite beams, beam-columns, column base plates, and simple bolted and welded connections. The use of the AISC LRFD specification is emphasized and a comprehensive group design project is assigned. Prereq.: CIEG-314.

**CIEG 433. Foundations, 3 crs.** Based on the principles of soil mechanics, design of shallow. Using traditional and computer analysis methods. Prereq.: CIEG-434.

**CIEG 434. Soil Mechanics Lecture, 3 crs.** Provides for appreciation and understanding of the engineering properties of soils and how they relate to design and construction, including soil identification and classification. This course must be taken during the same semester as CIEG-434b, Soil Lab. Exceptions must be approved by Instructor prior to course registration. **Prereq.: CIEG-301, CIEG-311.**

**CIEG 435. Reinforced Concrete, 3 crs.** Discusses structural properties of concrete and steel; current building (ACI) code; theory and design of structural elements, and structural systems. Prereq.: CIEG-314.

**CIEG 438. Soil Mechanics Lab, 1 cr.** Experimental laboratory to accompany Soil Mechanics lecture. This course is a co-requisite of CIEG 434, Soil Mechanics Lecture.

**CIEG 439. Senior Design I. 3 crs.** This course is concerned with the planning, management, teaming and project development phase for the culminating design to be covered in CIEG 44. Prereq: CIEG-314; CIEG-328; CIEG-350; CIEG-352; CIEG-416; CIEG-434.

**CIEG 440. Water and Wastewater Treatment. 3 crs.** Advanced design of facilities for water and wastewater treatment including design ranges, regulations, economics and ethics of environmental design. Prereq.: CIEG-328.

**CIEG 441. Senior Design II. 3 crs.** The capstone design project integrates the many sub-disciplines of civil engineering into a single project. Beginning with a specification, the process passes through preliminary and detailed design culminating in a written report and verbal presentation. Prereq.: CIEG-439.

**CIEG 442. Advanced Foundations. 3 crs.** Case studies from the literature are discussed and presented. Focus is placed on behavior, which departs from traditional foundation design expectations. Prereq.: CIEG-433.

**CIEG 445. Undergraduate Research. 3 crs.** Requires a student to conduct research under the directives of an instructor. Students must seek and receive the approval of the instructor prior to enrollment in this course. The selected research topic must broaden the student's understanding of one of the five emphasis areas. Prereq.: Approval of Instructor.

**CIEG 457. Advanced Hydrology. 3 crs.** Students model the hydrologic cycle and hydrologic processes to learn about and apply hydraulic models such as those hosted by the WMS (Watershed Modeling System) software, including the US Army Corps HEC-1 model and the SCS TR-20 and TR-55 models. GIS software ArcView and one of its extensions WMSHydro.avx are also used to prepare data for use in WMS models.

**CIEG 462. Seminar. 1 cr.** Forum for presentation of current topics of interest in civil engineering by individuals from industry, government and practice. Co-req.: CIEG-441.

**CIEG 463. Water Resources Planning. 3 crs.** Presents basic concepts in the planning of water resources development systems; analytical techniques, basic information required for planning; and examples for planning flood control, wastewater management, and water supply systems. Prereq.: CIEG-350 or equivalent.

**CIEG 464. Engineering Project Management. 3 crs.** Involves planning performing and controlling of engineering projects; introduces management roles, principles and procedures, as well as project proposal writing. Prereq.: CIEG-350 or equivalent. {Note: CIEG-350 Engineering Systems Analysis is now Engineering Economics.}

**CIEG 465. Traffic Engineering I. 3 crs.** Involves the collection and use of traffic engineering data and introduces students to traffic operations and safety. Students use software for capacity analysis and signal optimization. Students are required to prepare reports. Prereq.: CIEG 302; CIEG-416.

**CIEG 466. Traffic Engineering II. 3 crs.** Includes city and highway traffic surveys and analyses; highway capacity analysis; and traffic control devices. Prereq.: CIEG-465.

**CIEG 991. Co-op Civil Engineering. 1 cr.**

## **ELECTRICAL ENGINEERING**

**EGPP 101. Introduction to Engineering. 2 Crs.** Provides information on engineering education, the engineering profession, and basic concepts and tools. Introduces the engineering design process and provides opportunity for students to complete engineering design projects. *Course Offering: Fall Semester*

**EECE 102. Introduction to Engineering. 2 Crs.** Continuation of EGPP-101 as related to the electrical and computer engineering profession. Organized in to five Blocks: Descriptive, Environment, Technical, Practical (Hands on), and Projects, students are introduced to various engineering issues related to the profession of electrical and computer engineering. Historical perspectives and Electrical Engineering Education/Profession and Design are reviewed. Ethics, social/ environmental/cultural/religious issues facing electrical engineers in a global work environment are discussed. An overview of electrical engineering discipline and five major classifications of electrical systems in communication, computer, control, power, and signal processing are presented. Technical aspects and safety considerations of a typical electrical engineering laboratory are introduced. A capstone term project

requires assembling an electrical system (e.g., a robot kit) and its study and presentation from a systems point of view.  
*Prerequisite: EGPP-10. Course Offering: Spring Semester*

**EECE 156. Math I Lab. 1 cr.**

**EECE 157. Math II Lab. 1 cr.**

**EECE 158. Math III Lab. 1 cr.**

**EECE 200. Introduction to Computer Engineering. 3 Crs.** Introduction to key concepts in computer organization. Discussion of number representations, switching circuits, logic design, microprocessor design, assembly language programming, input/output, interrupts and traps, direct memory access, structured program development. *Prerequisites: ENGL-022, MATH-156, PHYS-013. Co-requisite: EECE-206. Course Offering: Fall Semester*

**EECE 202. Network Analysis I. 3 Crs.** Includes Ohm's and Kirchoff's Laws: V-I laws for RLC elements, circuit analysis tools, Thevenin and Norton's theorems, Response of RC, LC and RLC circuits, operational amplifiers, and introduction to PSPICE. *Prerequisite: MATH-157, and PHYS-014. Co-requisite: MATH-159 and EECE-208. Course Offering: Spring Semester*

**EECE 206. Introduction to Computer Engineering Laboratory. 2 Crs.** Laboratory with experiments designed to provide an overview of computer engineering: Covers fundamental concepts, digital circuits, and assembly language programming. *Prerequisite: ENGL-022, MATH-156 and PHYS-013. Co-requisite: EECE-200. Course Offering: Fall Semester*

**EECE 208. Introduction to Electrical Laboratory. 1 cr.** Hands-on experience in using electronic lab instrumentation. Lab experiments illustrate Ohm's and Kirchoff's laws, Thevenin and Norton's theorems for resistive circuits. Transient and frequency response of RC circuits. Diodes, operational amplifiers, transistors, basic digital logic gates. Every lab session includes hardware measurement and PSPICE simulation. *Prerequisite: MATH-157, and PHYS-014. Co-requisite: EECE-202. Course Offering: Fall and Spring Semesters (mainly for non-EE and non-CE majors)*

**EECE-211 [Old 311] Digital Systems Design, 3 Crs..** Introduction to hardware building blocks used in digital computers and systems. Introduces number systems (including binary, octal and hexadecimal), Boolean algebra, two-level/multilevel logic minimization/simplification using K-Maps and Quine-McCluskey methods, combinational logic circuit design and implementation with available SSI, MSI, and programmable logic devices (PAL, PLA, multiplexers, encoders, ROMS). Practical considerations such as hazard and glitches are treated. Basics of sequential logic design including latches, flip-flops, registers, counters, finite state machines design, minimization, and implementation are presented. *Prerequisite: Sophomore Standing for EE Students. Prerequisite: EECE-200 for Computer Engineering Students. Co-requisite: EECE-217. Course Offering: Spring Semester*

**EECE 217. Digital Systems Design Laboratory. 2 Crs.** Laboratory experiments and (mini) projects in design and implementation of simplex to moderately complex combinational and sequential logic circuits provide a practical understanding of concepts covered in EECE-211. Project(s) introduce students to design with programmable logic devices and logic design/simulation software such as Electronics Workbench. *Prerequisite: Sophomore Standing for EE Students. Prerequisite: EECE-200 for CE Students. Co-requisite: EECE-211. Course Offering: Spring Semester*

**EECE-301 Network Analysis II, 3 Crs..**

Deals with transient response of RLC circuits, phase transformations, polyphase circuits, complex power, magnetically coupled circuits, sinusoidal steady-state power calculations, Laplace transformations, inverse Laplace transformations, frequency response, transfer functions, s-domain circuit analysis, frequency selective circuits. *Prerequisite: EECE-202. Course Offering: Fall Semester*

**EECE 304. Electromagnetic Theory and Applications. 3 crs.** Electric fields, flux and potential; Coulomb's Poisson's and Gauss's laws; permittivity and conductivity, magnetostatics, magnetic materials, magnetic materials and forces, Biot-Savart law and time varying fields, Maxwell's equations in integral and differential forms, time-domain analysis of waves. Application of electromagnetic theory to transmission lines. *Prerequisite: MATH-158, PHYS-014. Course Offering: Fall Semester*

**EECE 307. Electronics I. 3 crs.** Theoretical analysis of the electronics components: diodes, BJT, JFET, MOSFET, OP-AMPs, and detailed analysis of their use in electronic circuits. DC bias, AC analysis and design of regulated DC power supplies, single stage amplifiers and active filters are the sample real world electronic circuits used throughout the course to illustrate the theoretical

material presented. One individual design project is required. Homework requires theoretical derivations and PSPICE simulation. *Prerequisite: EECE-202. Co-requisite: EECE-313. Course Offering: Fall Semester*

**EECE 308. Electronics II. 3 Crs..** Theoretical analysis and design of differential and multi-stage amplifiers, feedback, power amplifiers, frequency response, Nyquist and Bode plots, active filters and tuned amplifiers, signal generators. The covered sample electronic circuits combine diodes, BJT, JFET, MOSFET and OP-AMPS. One individual design project is required. Homework requires theoretical derivations and PSPICE simulation. *Prerequisite: EECE-307. Co-requisite: EECE-314. Course Offering: Spring Semester*

**EECE 310. Principles of Electronics. 2 crs.** This course is open to non-EE and non-CpE students only. The course covers theoretical and practical fundamental principles of electronic devices, circuits and instruments. *Prerequisite: MATH-159, PHYS-014. Course Offering: Fall and Spring Semesters*

**EECE 313. Electronics I Laboratory. 2 crs.** Hands-on experience in analyzing regulated half/full wave rectifier circuits, BJT, JFET, MOSFET and OP-AMP based single-stage amplifiers. One individual design project with oral presentations is required. Lab sessions involve simultaneous hardware measurement and PSPICE simulation. *Prerequisite: Same as EECE-307. Co-requisite: EECE-307. Course Offering: Fall Semester*

**EECE-314. Electronics II Laboratory, 1 cr.** Hands-on experiences in analyzing multi-stage and power amplifiers, active filters, frequency response. Laboratory experiments cover real world electronic circuits. All the circuits used involve combinations of BJT, JFET, MOSFET and OP-AMP. One individual design project with oral presentations is required. Lab sessions involve simultaneous hardware measurement and PSPICE simulation. *Prerequisite: Same as EECE-308. Co-requisite: EECE-308. Course Offering: Fall Semester*

**EECE 318. Energy Conversion. 3 crs.** Review of polyphase circuits, electro-mechanical systems, magnetic circuits, transformers, D.C. and A.C. machines, transmission line theory, and introduction to power electronics, ac, dc drives, computer-aided design. *Prerequisite: EECE-301. Co-requisite: EECE-324. Course Offering: Fall Semester*

**EECE 324. Energy Conversion Laboratory, 2 Crs..** Treats poly-phase power measurements, power transformer testing, connections, and operation and testing of dc motors and generators, and synchronous machines, transmission lines, and induction motors, basic electronic control of machines. *Prerequisite: Same as EECE-318. Co-requisite: EECE-318. Course Offering: Fall Semester*

**EECE 331. Probability & Random Variables for Engineers. 3 crs.** Examines fundamentals of discrete and continuous probability: conditional probability, independence, random variables, density and distribution functions, expected value and variance, common discrete and continuous distributions, joint distributions, and introduction to simple stochastic processes. Applications to electrical and computer engineering; reliability of series and parallel circuits, models for waiting time phenomena. *Prerequisite: EECE-202. Course Offering: Fall Semester*

**EECE 332. Signals and Systems. 3 crs.** Design-based course introduces comprehensive treatment of basic signal theory in time and frequency domains. Discrete and continuous time cases are treated simultaneously, covers concepts of signals and systems, convolution of difference and differential systems, block diagrams, state-space realizations and solution, matrix theory, Fourier series, transform techniques (Fourier, FFT, Z and Laplace), frequency response and stability. Exercises include traditional homework problems, computer applications such as MATLAB, C and SIGSYS and hardware design (laboratory generation of various signals and application to systems response) and design projects (Demonstration is required). *Prerequisites: EECE-331, MATH-159, EECE-202, SYCS-135. Course Offering: Spring Semester*

**EECE 350. Operating Systems for Engineers. 3 crs.** Fuses the history and evolution of operating systems, concepts of process management, memory addressing and allocation, files and protection, deadlocks and distributed systems. *Prerequisite: SYCS-136. Course Offering: Fall Semester*

**EECE 401. Senior Design I. 3 crs.** Fundamentals of design principles, and engineering applications, design methodologies with emphasis on synthesis and evaluation, design process, reliability, the impact of engineering economy, report writing, ethics and alternative solutions will be discussed. During this course, students must identify a topic and an advisor for their Thesis Design Project. The project must be approved by the advisor and the course instructor. *Prerequisites: Advanced Mathematics, EECE-307, EECE-211, EECE-332. Course Offering: Fall and Spring Semesters*

**EECE 404. Senior Design II, 3 crs.** Enhances knowledge of engineering design principles to solve real world problems, project planning, analysis, simulation and presentation, economic impact, ethics synthesis. Design areas are selected from solid-state electronics, digital systems, communications (signal processing), power/energy systems and controls, power electronics, antennas and microwave and others. Oral presentation (with poster session) as well as written report required. Most of the semester will be devoted to the design and implementation of the Senior Thesis Project selected by student and approved by his/her advisor at the conclusion of EECE-401. *Prerequisite: EECE-401. Course Offering: Fall and Spring Semesters*

**EECE 405. Energy Conversion II. 3 crs.** Deals with advanced steady state and transient analysis of electronic machines stability and control, and static converters and inverters. *Prerequisite: ELEG-403.*

**EECE 406. Advanced Digital Systems Design. 3 crs.** Presents design, analysis, optimization, and implementation of complex sequential digital systems and finite state machines (FSM). Hardware description languages (HDL), VHDL and/or Verilog, are introduced and will be used to design and implement digital systems. The structure of a computer and its organization will be reviewed. Finite state machine of a Simple CPU will be developed and various implementation alternatives (FSM, time state, jump counters, and microprogramming) of its controller will be studied. *Prerequisite: EECE-211. Co-requisite: EECE-412. Course Offering: Spring Semester*

**EECE 408. Linear Control Systems, 3 Crs..** Deals with analysis of time and frequency response of closed loop systems, block diagrams, signal flow graphs, Mason gain, Routh-Hurwitz and Nyquist criteria for stability, root-locus method and system specifications, compensators, state variable methods, introduction to digital control. *Prerequisite: EECE-332. Co-requisite: EECE-414. Course Offering: Fall Semester*

**EECE 410. Introduction to Computer Networks. 3 crs.** Presents basic concepts of data communication networking and computer communications architectures, including packet switching, local area networks, OSI (Open System Interconnection Architectures), TCP/IP, X.25/X.75, and SNA (System Network Architecture). *Prerequisite: EECE-322. Course Offering: Spring Semester*

**EECE 412. Advanced Digital Systems Design Laboratory. 2 crs.** Laboratory projects will use a PC-based Computer-Aided Design Tool environment that supports hardware description languages (HDL) such as VHDL and Verilog for design, simulation, and synthesis of logic systems. Early lab exercises (mini projects) will use SSI/MSI chips; then HDL-based design tools and associated methodologies will be introduced to design, simulate, and synthesize complex digital systems for implementation with Programmable Logic Devices and Field Programmable Gate Arrays (FPGA). Teams of two or three students will select and undertake design projects. *Prerequisite: Same as EECE-406. Co-requisite: EECE-406. Course Offering: Spring Semester*

**EECE 414. Linear Controls Lab. 1 cr.** Presents hands-on, design and computational analysis of analog and digital filters, control, drives, compensator design, P, PI and PID controller's use of MATLAB tools. *Prerequisite: Same as EECE-408. Co-requisite: EECE-408. Course Offering: Fall Semester*

**EECE 416. Microprocessors and Microcomputers. 3 crs.** Examines microprocessors, support architectures, and hardware/software. Also presents microprocessors' software model and programming, assembly language programming, microprocessor applications, microprocessor-based systems, and microcomputers. Projects will be used to introduce microprocessor applications. *Prerequisite: EECE-211. Course Offering: Fall Semester*

**EECE 417. Computer Systems Architecture. 3 crs.** Core concepts of computer architecture are introduced. Instruction set architectures (both CISC and RISC), Microprogramming, pipelining, memory systems and hierarchy, and I/O architectures are studied. Core concepts of parallel computer architectures are introduced and examples of parallel computers are presented. *Prerequisite: EECE-211. Course Offering: Spring Semester*

**EECE 418. Power Electronics. 3 crs.** Presents characteristics of power electronics devices, converters, AC-DC, DC-DC, AC-AC, DC-AC, power supplies, cycloconverters, design projects, computer simulations. *Prerequisite: EECE-332, EECE-307. Course Offering: Spring Semester*

**EECE 419. Motor Dynamics and Drives. 3 crs.** DC and AC drives, electric motors, microcomputer control, protective relaying, projects, computer simulations. *Prerequisite: EECE-318, EECE-418. Course Offering: Fall Semester*

**EECE 420. Introduction to VLSI Design. 3 crs.** Introduces CMOS technology and theory; CMOS circuit and digital logic design; layout rules and techniques; circuit characterization and performance estimation; CMOS subsystem design; VLSI systems design



methods; VLSI CAD tools; laboratory experience in custom VLSI chip design on workstations using concepts in cell hierarchy; final project involving specification, design and evaluation of a VLSI chip or VLSI CAD program. Written report and oral presentation of the final project are required. *Prerequisite: EECE-211, EECE-308. Course Offering: Fall Semester*

**EECE 421. Power Systems Analysis/Design. 3 crs.** Covers one-line diagram per unit quantity, power generation and synchronous machines, transmission line theory, analysis of interconnected systems using load flow studies and computation techniques. Economic operation of power system. Design projects. *Prerequisite: EECE-318. Course Offering: Fall Semester*

**EECE 422. Power Communications & Control. 3 crs.** Continuation of EECE-421. Introduction to telecommunication, fundamentals of communications, data representation and communication, power system and fault analysis, protection and controls, power system stability, communication protocol concepts and security and standards. *Prerequisite: EECE- 421. Course Offering: Spring Semester*

**EECE 443. Introduction to Microwaves. 3 crs.** Introduces electromagnetic wave propagation, microwave transmission systems, tube and solid-state microwave devices, and waveguides, time-domain reflections, matching, Smith chart, S-parameters analysis, active and passive microwave components, and microwave measurement techniques. *Prerequisite: EECE-304. Course Offering: Spring Semester*

**EECE-444. Antenna Theory and Practice. 3 crs.** Cover antenna parameters; polarization of electromagnetic waves; basic antenna types; antenna arrays; broadband antenna design; electrically small-wire-type apertures antenna design, measurements and simulation using Matlab or Mathcad. *Prerequisite: EECE-304. Course Offering: Spring Semester*

**EECE 446. ASIC Design. 3 crs.**

**EECE-453. Communications Theory. 3 crs.** Includes probability theory, hypothesis testing, channel capacity, coding, detection and system performance analysis.

**EECE 454. Communication Electronics, 3 Crs..** Covers spectrum and noise measurements, analog and digital communication techniques. Covers design of AM and ASK detectors, FM and FSK modulators and phase lock loops.

**EECE 456. Embedded Systems Design Lab. 3 crs.**

**EECE 459. Communications Theory Lab. 1 cr.** Covers design of modulation and demodulation circuits and filters. *Co-requisite: EECE-453. Course Offering: Fall Semester*

**EECE 460. Wireless Communication. 3 crs.** Presents the physical layer of wireless communication systems, implementation of speech coding, error control, modulation/demodulation and filtering schemes for wireless links using digital signal processors for base band functions. *Prerequisite: EECE-453, EECE-459. Course Offering: Spring Semester*

**EECE 461. Solid State Electronics I, 3 Crs..** Discusses semiconductor properties, valence bands, energy bands, equilibrium distribution of electrons and non-equilibrium transport of charges, Breakdown mechanisms; essential features of small AC characteristics, switching and transient behavior of p-n junctions. *Prerequisite: EECE-307. Course Offering: Spring Semester*

**EECE 462. Solid State Electronics II. 3 crs.** Presents semiconductor electronic properties and applications to electronic devices; tunnel and Zener diodes, point contact transistors, FETs, MOSFETS, BJTS, multi-junction devices, and small, medium and large-scale integrated circuits. *Prerequisite: EECE-461. Course Offering: Fall Semester*

**EECE 463. Digital Electronics. 3 crs.** Covers bipolar and MOS field-effect transistor characterization; characteristics and applications of TTL integrated circuits, design of memories, digital processors, special computer architecture, interfaces and A/D and D/A converters. *Prerequisite: EECE-307. Course Offering: Spring Semester*

**EECE 465. Physical Electronics. 3 crs.** Analysis of semiconductor device characteristics, junction breakdown, base-width modulation and capacitive effects. Covers model derivations from physical considerations. *Prerequisites: PHYS-015, EECE-307. Course Offering: Spring Semester*

**EECE 466. Advanced Electromagnetic Theory, 3 crs.** Covers propagation of electromagnetic waves in general waveguides, losses in waveguides, fields and matter interaction, electromagnetic theory and special relativity, ionospheric propagation. *Prerequisite: ELEG-304. Course Offering: Spring Semester*

**EECE 471. Design of Integrated Circuits, 3 Crs..** Covers microelectronics and circuit design. In-depth coverage of Silicon-integrated device characteristics and fabrication. *Prerequisite: EECE-308. Course Offering: Fall Semester*

**EECE 477. Design of Integrated Circuits Lab. 3 crs.** In-depth theoretical and experimental microelectronics through hands-on circuit design and testing. Detailed coverage of silicon-integrated device characteristics and fabrication. *Prerequisite: EECE-471. Course Offering: Spring Semester*

**EECE 487. Telecommunications. 3 crs.** Consists of telecommunications systems design for point-to-point and mass data distribution, modulation techniques, propagation modes and control methods. *Prerequisite: EECE-453. Course Offering: Spring Semester*

**EECE 495. Real-Time Signal Processing. 3 crs.** Presents sampling as a modulation process; aliasing; the sampling theorem; the Z-transform and discrete-time system analysis; direct and computer-aided design of recursive and non-recursive digital filters; the Discrete Fourier Transform (DFT) and Fast Fourier Transform (FFT); digital filtering using the FFT; analog-to-digital and digital-to-analog conversion; effects of quantization and finite-word-length arithmetic, and design and implementation of these algorithms on Motorola family of Digital Signal Processor chips and/or other similar DSP chips. *Prerequisites: EECE-332, EECE-426. Course Offering: Fall Semester*

**EECE 496. Integrated Circuits Tech Lab. 3 crs.**

**EECE 498. Independent Project. 3 crs.** Study performed by individual student under faculty supervision. *Prerequisite: Departmental Approval. Course Offering: Fall and Spring Semesters*

**EECE 499. Special Topics in Electrical Engineering. 3 crs.** Special courses not offered on a regular basis. *Prerequisite: Departmental Approval. Course Offering: Fall and Spring Semesters*  
*change to EECE-202*

**EECE 534. Electro-Optics. 3 crs.**

**EECE 700. Special Topic: Semiconductor A: Atomic Material. 3 crs.**

## **MECHANICAL ENGINEERING**

**EGPP-101 Introduction to Engineering, 2 Crs.**

Provides information on engineering education, the engineering profession, and basic concepts and tools. Introduces the engineering design process and provides the opportunity for students to complete engineering design projects.

**MEEG-102 Introduction to Engineering II, 1 Credit** Continuation of EGPP-101. *Prerequisite: EGPP-101.*

**MEEG-103 Engineering Graphics, 2 Crs.**

Introduction to engineering drawing and descriptive geometry, space visualization and coordinate systems, conventions, projection drawings, freehand sketching, vectors, and graphical mathematics. Freehand, instrument, and computer techniques are used.

**MEEG-202 Product Development I, 2 Crs.**

Treats different stages in developing a product including identification of customer need, product specifications, design conceptualization, product architecture and design for manufacturing. Also discusses effective prototyping and economics of product development. *Prerequisite: MEEG-102.*

**MEEG-203 Product Development II, 3 Crs.**

Manufacturing processes including metal casting, rolling, forging, sheet metal forming, material removal processes, polymer

processing, and joining techniques will be discussed. Also, surface treatment techniques will be treated. Laboratory provides hands on experience in conventional machining, polymer processing, and composite manufacturing. Prerequisite: MEEG-103

**MEEG-204 Solid Mechanics, 3 Crs.**

Presents basic concepts of stress and strain of deformable bodies, state of stress and strain, Mohr's circle, and bending of prismatic bars, among other topics. Prerequisite: CIEG-202; Co-requisite: MATH-159.

**MEEG-205 Thermodynamics, 3 Crs.**

Presents basic thermodynamic concepts and definition, laws of thermodynamics, properties of pure substances, and entropy and availability. Introduction to statistical thermodynamics. Prerequisites: PHYS-014, MATH-158.

**MEEG 207. Introduction to Engineering Computations. 2 crs.**

**MEEG 209. Material Science. 3 crs.**

**MEEG 306. Applied Thermodynamics. 3 crs.** Study of mixtures, combustion, power cycles, gas turbines, and compressors; reciprocating engines, refrigeration, and reactive systems. Introduction to Onsager's relations and direct energy conversion. Laboratory work included. Prerequisite: MEEG-205.

**MEEG 307. Fluid Mechanics I. 3 crs.** Includes properties and mechanics of fluids; kinematics; and control volume continuity, momentum, and moment of momentum equations. Prerequisites: MATH-159, CIEG-302.

**MEEG 308. Aerofluid Dynamics. 3 crs.** Potential flow theory and compressible flow; circulation, vorticity and wing theory, shock waves, expansion waves and nozzles; introduction to boundary layer theory and applications. Prerequisites: MEEG-205, MEEG-307.

**MEEG 309. Material Science. 3 crs.** Correlation of the structure of metals, ceramics, and organic materials with their mechanical and physical properties; control of properties by modifying the microstructure, and stability of materials in service environments. Prerequisites: CHEM-003, PHYS-014.

**MEEG 310. Mechanical Design I. 3 crs.** Mechanical Design I. Integration of knowledge of strength of materials in a design context, stress and deflections in engineering structures. Theories of failure. Introduction to the design of machine components, such as screws, fasteners, bolts, welded joints, shafts, axles, and mechanical springs. Prerequisites: MEEG-203, MEEG-204; Co-requisite: MEEG-309.

**MEEG 311. Mechanical Design II. 3 crs.** Discusses frictional and wear considerations in design of mechanical systems. Also covers design of rolling contact bearing, journal bearings, spur, helical, bevel, and worm gears, clutches and brakes, flexible mechanical elements; hydrodynamic lubrication. Prerequisite: MEEG-310.

**MEEG 313. System Dynamics and Controls. 4 crs.** Introduction to modern control theory, including digital control and nonlinear system analysis. Mathematical modeling of physical systems with mechanical, fluid, thermal and/or electrical elements. Classical feedback control theory and design, and their application to practical electromechanical and aerospace problems. Prerequisites: CIEG-302, MEEG-205, MEEG-307, MATH-159.

**MEEG 315. Experimentation I. 2 crs.** Basic principles of instruments and sensors employed in engineering measurements. Nature of experimental error and uncertainty analysis. Prerequisites: ELEG-204, ELEG-310, MATH-159.

**MEEG 317. Fluid Mechanics Lab. 1 cr.**

**MEEG 318. Propulsion. 3 crs.** Power cycles, combustion fundamentals, aircraft and missile propulsion, engines compressors and turbines. Prerequisite: MEEG-306.

**MEEG 331. Intro to Advanced Vehicle Technology. 3 crs.**

**MEEG 332. Advanced Vehicle Design & System Integration. 3 crs.**

**MEEG 403. Heat Transfer. 3 crs.** Analytical and numerical treatment of heat transfer by conduction, convection, and radiation; steady and unsteady state heat flow; condensing vapors; and boiling liquids. Prerequisites: MEEG-205, MEEG-307.

**MEEG-415 Experimentation II, 2 crs**

Fundamentals of computer based data acquisition and application of digital techniques to mechanical measurements. Prerequisite: MEEG-315.

**MEEG 416. Aerostructures. 3 crs.** Static analysis of aerospace structures; external loading and environment; failure theories of materials; deflection of unsymmetrical cross-section beams; thermal stress; torsion of thin-walled sections; stiffened shell structures, buckling of columns and plates; introduction to dynamic analysis. Prerequisites: MATH-158, MATH-159, MEEG-204.

**MEEG 417. Experimentation III. 2 crs.** Experiments designed to expose students to experimental techniques applicable in evaluation of the behavior mechanical and thermal systems. Prerequisite: MEEG-415.

**MEEG 418. Vibration Analysis. 3 crs.** Covers single DOF, two DOF and multi-DOF systems of vibration analysis, mode shape functions, numerical solutions and software packages. Prerequisite: CIEG-202.

**MEEG 421. Product Data Management. 3 crs.** Participants will study topics fundamental to global collaborative engineering, product data management, and collaborative product data management. These topics will be applied during team projects utilizing state of the art collaborative engineering and product data management software and hardware technologies. This course may also contain live online video lectures originating from participating universities. Prerequisite: MEEG-311.

**MEEG 438. Environmental Control. 3 crs.** Analysis and design of heating, cooling, ventilation, and air distribution systems, including physiological and climatic factors, along with such new concepts of thermal systems as solar energy, total energy, and energy conservation. Prerequisite: Senior Standing.

**MEEG 441. Senior Project I. 3 Crs..** Independent team design study of current interest under supervision of faculty members. Report must be submitted for review by mechanical engineering faculty before graduation. Prerequisite: MEEG-311.

**MEEG 442. Senior Project II, 3 Crs..** Team design study. Continuation of MEEG-441. Prerequisite: MEEG-441.

**MEEG 443 CAD/CAM. 3 Crs..** Fundamentals of computer graphics and introduction to computer aided design software and solid modeling. Fundamentals of machining, numerical control and numerical control programming. Laboratory provides hands on experience in computer integrated manufacturing and CNC milling and turning. Prerequisite: MEEG-311.

**MEEG 444. Robotics. 3 crs.** Kinematics and dynamics of robot manipulators, robot programming languages, structural members; fatigue, creep, and stress team or design study of current interest. Prerequisite: MEEG-313.

**MEEG 445. Undergraduate Research I. 3 crs.** Analysis, design and/or experimentation in Instructor's area of interest. Prerequisite: Consent of Instructor.

**MEEG 446. Undergraduate Research II. 3 crs.** Analysis, design and/or experimentation in Instructor's area of interest. Prerequisite: Consent of Instructor.

**MEEG 447. Computational Fluid Dynamics. 3 crs.** Solutions to fluid flow problems using computers. Students will gain familiarity with numerical methods and acquire experience in solving fluid mechanics and heat transfer problems using computers. Prerequisites: MEEG-307, MEEG-403.

**MEEG 461. Energy Engineering I. 3 crs.** Introduction to modern energy sources useful for engineering applications. Includes fossil, nuclear, solar, wind, geothermal and biomass. Prerequisites: MEEG-205, MEEG-307.

**MEEG 462. Energy Engineering II. 3 crs.** Analysis of current practices governing use of energy sources. Effective utilization and economic considerations are discussed. New and emerging technologies (such as synfuels and cogeneration) are discussed. Prerequisite: MEEG-306.

**MEEG 990/991. Co-op Mechanical Engineering. 1-12 crs..** For students enrolled in the Cooperative Education Program during time spent in industry. Credit may be awarded based on evaluation of employer(s) and a written report by the student.

## **SYSTEMS AND COMPUTER SCIENCE**

**SYCS 100. Introduction to Systems and Computer Science. 2 crs.** Provides information about the curriculum and the various concentration tracks, faculty research interest, departmental resources, problem solving, critical thinking, computational thinking. Introduces the software engineering design process and provides the opportunity for students to complete a design project.

**SYCS 135. Computer Science I. 4 Crs.** This course provides an introduction to the discipline of computer programming, and is designed to expose students to basic programming concepts and to the use of the C++ language. This course is designed to enhance the student's ability to design, develop and test/debug programs. Each student will increase his or her skill in writing correct and maintainable programs. Emphasis will be placed on problem analysis and on the subsequent development of algorithms. Several standard data types will be discussed and the student will gain an understanding of the issues relating to the use, design and implementation of each type in C++. A major focus of the lectures will be to provide an overview of real-world problem solving concepts and top-down software design. No Prereq.

**SYCS 136. Computer Science II. 3 Crs.** Course exposes students to the software development life cycle with a focus on the concepts and use of the object-oriented paradigm in problem analysis, solution design, software development and implementation. This course is designed to enhance the student's ability to engineer software that is efficient, maintainable and cost efficient over its entire life cycle. Data abstraction is discussed in depth and students gain experience in the use of classes, object and member functions. Students gain an understanding of the development of reusable abstract data types. Software reuse is emphasized and object-oriented concepts are used throughout the course. O-notation and the complexity of algorithms are discussed at relevant points in the course. Prereq.: Computer Science I (with a grade of 'C' or better).

**SYCS 140. Programming Team. 1 Cr.** This course is for participants of the programming team.

**SYCS 165. Scientific Computing for Engineers. 3 Crs.** Introduces programming and use of digital computers through symbolic programming. Programming includes general problem-solving and the systematic development of algorithms; use includes the coding of programs and practical experience in Maxima or Matlab.

**SYCS 170. Programming Team. 1 cr.**

**SYCS 201. Computer Organization I. 3 Crs.** This course introduces students to assembly programming. The concepts that support assembly programming will be taught, including data formats, addressing modes, computer arithmetic etc. The instruction set of a particular assembly language will then be covered in details. The relationship between assembly programs and high-level language programs will also be revealed.

**SYCS 202. Computer Organization II. 3 Crs.** This course reveals how computers operate logically at the hardware level and presents the relationship between computer hardware and software. Topics include performance metrics, logic design, non-pipelined and pipelined datapath design, memory hierarchies, and I/O devices.

**SYCS 203. Object-Oriented Programming using Java. 1 Cr.** This course provides an introduction to Java programming and object-oriented programming concepts for students with previous programming experience in C/C++. The course provides a comprehensive overview of basic programming concepts in the Java programming language using an object-oriented approach. Prereq.: Computer Science II.

**SYCS 211. Unix Lab. 1 Cr.** This course will present the basic concepts of LINUX and UNIX operating systems. Topics that will be examined include Vi editor, Linux Command, directories, Disks and File systems, Users and Groups, File Permissions, Processes, file compression, basic network use, manage files, create and modify files, and Shell script. Prereq.: Computer Science I.

**SYCS 235. Computer Science I Lab. 1 cr.**

**SYCS 263. Web Makers. 3 crs.**

**SYCS 341. Theory of Computation. 3 Crs.** Introduction to the classical theory of computer science. A study of the formal relationships between machines, languages and grammars; we will cover regular, context-free, context-sensitive, recursive and

recursive enumerable languages. Sequential machines and their applications to devices, processes, and programming. Models of computation: finite state automata, push down automata, Turing machines. The role of non-determinism. Prereq.: Computer Science III and Discrete Structures, Calculus II.

**SYCS 350. Structure of Programming Languages. 3 Crs.** The course will teach students the basic components of the design and analysis of computer programming languages as well as the fundamental computation theory that is required to understand those concepts. The course will also cover several non-imperative languages (unlike C, such as LISP and Prolog) to expose students to the diversity of programming languages. Prereq.: Computer Organization, Theory of Computation (After fall 2008).

**SYCS 354. Computer Science III. 3 Crs.** The course continues the study of data structures and algorithms, focusing on algorithmic design and problem analysis and the relationships between data representation, algorithm design, and program efficiency. Topics include advanced data structures, key algorithm design techniques, analysis of the time and space requirements of algorithms, and the subsequent development of solution of systems. Concrete examples will be drawn from a variety of domains, such as algorithms for trees and graphs, indexing and search, and real-world problems. Prereq.: Computer Science II (with a grade of 'C' or better).

**SYCS 363. Large Scale Programming. 3 Crs.** This course will introduce the students to applications and systems in the large scale. Students will be introduced to the object-oriented method to software design using UML and will apply the object-oriented design/analysis techniques of UML to a realistic Java application. Students will gain familiarity with managing larger projects and OOA/D. Prereq: Computer Science III

**SYCS 364. Web Services. 3 Crs.** Presents topics in distributed computing with particular emphasis on Web Services using Microsoft .NET Framework. Also discussion on layered protocols, the client-server model, remote procedure call. Students program extensively in C# and Visual Basic .NET. Corequisites: 306-401 (Undergraduate Operating Systems) basic knowledge of operating system services, 306-450 Data Communications.

**SYCS 375. Software Engineering. 3 Crs.** This course will introduce students to the basic concepts of software engineering and the software development life cycle. The course will cover methodological techniques for software specification, design, implementation, testing, verification, and documentation. The course will also present the use of state-of-the-art tools for computer-aided software engineering (CASE). Prereq: Computer Science III (SYCS-354)

**SYCS 376. Operations Research (formerly Systems II). 3 Crs.** Methodology for planning, analyzing and evaluating optimal systems: identifying and structuring objectives and defining performance requirements that influence the design of the system. Synthesizing and analyzing alternative solutions and applying optimization techniques for the optimum queuing system. Applications to real world systems with open and closed queues with emphasis on computer systems using microcomputer software packages. Prereq.: SYCS-375 Systems Engineering I (new name Software Engineering)

**SYCS 379. Introduction to Human Computer Interaction. 3 Crs.** Students will learn the fundamental concepts of human-computer interaction and user-centered design thinking, through working in teams on an interaction design project, supported by lectures, readings, and discussions. They will learn to evaluate and design usable and appropriate software based on psychological, social, and technical analysis. They will become familiar with the variety of design and evaluation methods used in interaction design, and will get experience with these methods in their project. Prereq: Computer Science III

**SYCS 390. Ethical and Social Impact of Computing. 3 Crs.** This course will present the foundations of ethics in the context of computing. The broader social impact of computing and technology in general will also be reviewed. Areas of specific focus will include technology and human values, costs and benefits of technology, the character of technological change, and the social context of work in computer science and information technology.

**SYCS 391. Patents and Entrepreneurship. 3 crs.**

**SYCS 401. Operating Systems. 3 Crs.** This course will present the basic concepts of operating systems. Topics that will be examined include processes and interprocess communication/synchronization, virtual memory, program loading and linking system calls and system programs; interrupt handling, device and memory management, process scheduling, deadlock and the trade-offs in the design of large-scale multitasking operating systems. Prereq.: Software Engineering, and Computer Organization.

**SYCS 402. Mobile Application Development. 3 Crs.** This course will introduce students to developing applications which target mobile devices. Students will be introduced to many issues unique to mobile applications, including synchronization, remote data access, security and sometimes-connected networks. They will research topics in these areas and develop a significant project which demonstrates their knowledge and understanding of these issues. Prereq: Computer Science III

**SYCS 410. Modeling and Simulation. 3 Crs.** Introduces the fundamentals of system design and modeling. Emphasizes advantages and limitations of various modeling techniques for different applications. Introduces probability distributions typical of queuing models and presents in-depth discussions and experiments with existing simulation packages. Prereq: Systems Engineering I (Software Engineering new course name), Probability and Statistics

**SYCS 421. Computer and Video Game Development. 3 Crs.** The course will span the software domains embedded in computer and video games. Topics such as game computational infrastructure, design, engines, and motion will be presented through discussion and assignments. Game industry guest speakers will discuss software challenges and opportunities. Students completing this course will understand the software development process required to create a successful game and possess the programming expertise to create a simple game. Prereq: Computer Science III, Systems Engineering I (new name Software Engineering)

**SYCS 422. Game Engine Programming. 3 Crs.** Game engine programming is introduced as a critical element in compelling game creation. Programming activity will feature input capture, world integration, object motion, collision detection and audio scoring. Game performance metrics, code optimization and quality assurance testing procedures will be emphasized. Code examples will be presented from XNA game studio and Torque. Course game project may be completed using a 2D or 3D game engine of choice including Torque, Gamestudio, Panda3D, or OGRE 3D rendering engine. Prereq: Computer and Video Game Development.

**SYCS 423. Games Design & Production. 3 crs.**

**SYCS 432. Database Systems. 3 Crs.** This course will present the basic concepts of database systems. Topics that will be covered include basic relational database theory, relational database modeling, relational database design and implementation, normalization, transaction management, the SQL language and other languages and facilities provided by database management systems. Prereq: Computer Science III.

**SYCS 440. Object-Oriented Programming. 3 Crs.** Introduces the fundamentals of object-oriented information system development with a focus on analysis and design phases. Data modeling and design principles such as data abstraction, information hiding, modularity, and coupling are viewed in the context of object-oriented paradigm. For object-oriented modeling Unified Modeling Language (UML) is introduced and used extensively throughout the course. Issues relating to making the transition from other software development methodologies are examined and risks involved in object-oriented process are discussed. Prereq: Computer Science III

**SYCS 450. Data Communications and Network Programming. 3 Crs.** This is an introductory course on computer networking. It will cover the layering model of the Internet. The upper four layers (application, transport, network and data link) will be discussed in details with dominant networking protocols and algorithms introduced. Students will also learn how to do basic programming on the Internet. Prereq: Computer Science III, Computer Organization, Analysis of Algorithms (new name Fundamentals of Algorithms), Discrete Structures

**SYCS 451. Applied Wireless Networking. 3 Crs.** From both the conceptual and practical standpoints, this course will present the basics of wireless networking. Topics that will be examined include the connection between wireless networks and the Internet, radio signal transmission fundamentals, wireless LAN/WAN industrial stands, and wireless network administration such as network design, installation, configuration, maintenance and trouble shooting. Prereq: Data Communications

**SYCS 453. Intro to Cybersecurity I. 3 Crs.** This course introduces the basic concepts of cryptography. Various cipher systems are presented including transposition and substitution systems, Block ciphers, RSA & Knapsack. Methods used to attack ciphers are discussed with emphasis on complexity. Case studies of use of cryptographic methods in communication systems are presented with some consideration given to privacy issues.

**SYCS 454. Intro to Cybersecurity II. 3 Crs.** Modern topics in computer security, including: protection, access control, operating systems security, network security, database security, applied cryptography, cryptographic protocols, secure programming practices, safe languages, mobile code, malware, privacy and anonymity, and case studies from real-world systems.

**SYCS 460. Advanced Systems Administration. 3 Crs.** Advanced system administration course provides a strong practical experience to Linux and Solaris operating systems. The course includes topics such as Samba (Windows file and print sharing), Email, Web serving with Apache, remote access, networking setup, Internet proxy services, fire wall and security administration, deploy LDAP in a Linux, Solaris and windows environment and also compile, configure and patch a Kernel module. Prereq: Data Communications, Unix Lab

**SYCS 470. Fundamentals of Algorithms. 3 Crs.** Techniques for designing efficient algorithms, analyzing their complexity and applying these algorithms to a broad range of application settings. Methods for recognizing and dealing with hard problems are studied. Prereq: SYCS 354: Computer Science III, MATH 189: Probability and Statistics

**SYCS 472. Systems Management Analysis. 3 Crs.** This course presents methodology for large-scale system design and analysis using modern semantic analysis techniques. Identification and definition of large-scale (community/industrial-based) problems. Discusses how to select and quantify measures of the severity of the problem. Presents different techniques for modeling alternative solutions to problems. Prereq: Systems Engineering I (Software Engineering new course name).

**SYCS 474. Computational Biology. 3 Crs.** Introduces computational methods for understanding biological systems at the molecular level. Problem areas such as mapping and sequencing, sequence analysis, structure prediction, phylogenetic inference, regulatory analysis. Techniques such as dynamic programming, Markov models, expectation-maximization, local search.

**SYCS 475. Intro to Machine Learning. 3 Crs.** Techniques for learning from data and applying these algorithms to application settings. Topics covered include Bayesian methods, linear classifiers such as the perceptron, regression, and non-parametric methods such as k-nearest neighbors.

**SYCS 476. Artificial Intelligence. 3 crs.**

**SYCS 477. Science of Information. 3 crs.**

**SYCS 478. Engineering Economic System Design. 3 Crs.** Presents methodology for system design. Methodology begins with identification and definition of private sector problems to which solutions are justified by economics. Discusses selection of appropriate economic measures for comparing alternative solutions such as present worth, equivalent annual cost, cost/benefit ratio, life cycle cost, return on investment payback period. Presents different techniques for modeling alternative solutions to the problems and predicting cost. Other topics discussed include decision-making, system implementation, operations and retirement. Prereq.: Systems Engineering II (new name Operations Research).

**SYCS 480. Digital Media and Multimedia Applications. 3 Crs.** This course provides an introduction to digital media fundamentals including audio, video formats, storage and delivery. Windows Media and other technology will be extensively utilized as a method for digital content manipulation, rights management and internet transfer. Students will be exposed to basic internet architecture, operations and useful world wide web (WWW) resources. In addition, a practical understanding of digital computational devices, communication ports and connection cables will be acquired. Prereq: Junior Standing.

**SYCS 491. Senior Project I. 2 Crs.** Allows the senior student the opportunity to demonstrate his or her knowledge of systems engineering and computer science principles by application to a class project of his or her choosing, with the guidance and supervision of a faculty member. The student develops a proposal for the project, followed by an architectural design and detailed design, all of which must be presented in class. Prereq: Systems Engineering I (Software Engineering new course name), Computer Organization.

**SYCS 492. Senior Project II. 2 Crs.** In part two, the senior student develops and implements the system solution to the proposed project. The system, most commonly comprising computer software, hardware, procedures, etc., is implemented and tested in the department's Systems Development Laboratory. The student is required to demonstrate the system solution to the faculty and the student body of the department. Prereq: Senior Project I.

**SYCS 493. The Lean LaunchPad: Technology Entrepreneurship and Lean Startups. 3 Crs.** This course provides real world, hands-on learning on what it's like to actually start a high-tech company. This class is not about how to write a business plan. It's not an exercise on how smart you are in a classroom, or how well you use the research library to size markets. And the end result is not a Power Point slide deck for a VC presentation. And it is most definitely not an incubator where you come to build the—hot-idea that you have in mind. This is a practical class—essentially a lab, not a theory or—book class. Our goal, within the



constraints of a class room and a limited amount of time, is to create an entrepreneurial experience for you with all of the pressures and demands of the real world in an early stage startup. You will be getting your hands dirty talking to customers, partners, competitors, as you encounter the chaos and uncertainty of how a startup actually works. You'll work in teams learning how to turn a great idea into a great company. You'll learn how to use a business model to brainstorm each part of a company and customer development to get out of the classroom to see whether any one other than you would want/use your product. Finally, based on the customer and market feedback you gathered, you would use agile development to rapidly iterate your product to build something customers would actually use and buy. Each day will be new adventure outside the classroom as you test each part of your business model and then share the hard earned knowledge with the rest of the class.

**SYCS 498. Special Topics: Robotics Programming. 3 Crs.** This course will present the basic concepts of programming intelligent robot systems. Topics that will be examined include a general introduction to robotics hardware, a survey of actuators and how to use them and programming sensors. Higher level concepts that will be covered include multi-robot communication, robot localization and path planning. Most topics covered in the course will have an associated project implemented with the Lego Mindstorms NXT kit. Prereq: Computer Science or Scientific Computing for Engineers or (some prior programming experience), Calculus I.

**SYCS 199. Special Topic: Intro to Storage Foundation. 3 crs.**

**SYCS 502. Socially Relevant Computing. 2 crs.**

**SYCS 598. Special Topics II. 1 cr.**

**SYCS 990. Co-op Education SCS. 1 cr.**

**SYCS 991. Co-op Education SCS. 1 cr.**

**SYCS 999. Co-op Education SCS. 12 crs.**

## COLLEGE OF NURSING & ALLIED HEALTH SCIENCES COURSES

### ALLIED HEALTH EDUCATION

#### **AHCC 003. Medical Terminology. 2 Crs**

This course incorporates Medical Language for Modern Health Care that uses Contextual Learning Theory to introduce medical terminology within a healthcare environment. The information presented introduces and defines terminology through the context of A & P, pathology, and clinical and diagnostic procedures/tests. The course offers contextual content, a Word Analysis and Definition Table, and exercises all in one place. Word Analysis and Definition Tables provide a color-coded guide to word parts and combining forms, as well as definitions and pronunciations. With unfolding patient case studies and documentation, students are introduced to various roles in the healthcare environment, illustrating the real-life application of medical terminology in modern health care while facilitating active learning.

PREREQUISITES: AHCC 110 registration

#### **AHCC 110. General Orientation. 1cr.**

#### **AHCC 202. Computer for Allied Health Professions. 3 Crs.**

This course is designed to offer computer literacy and management for allied health profession in the Division of Allied Health Sciences, College of Nursing and Allied Health Sciences. It familiarizes students with basic computer tutorial and information technology as adapted for use of medical health electronic record management such as laptops, PDAs, IPODs including Blackboard and McGraw-Hill Online computer system and basic computer tutorial in collaboration with the Center for Excellence in Teaching, Learning, & Assessment [CETLA]. The multimedia presentations online and classrooms settings will enhance the management of skills related to state-of-the-art medical and health services data management.

PREREQUISITE: Registration in the Divisions of Nursing and Allied Health Sciences.

#### **AHCC 375. Geriatrics for Allied Health Professions. 2 Crs.**

This course is designed for students in Allied Health Professions. It covers two consecutive modules in geriatrics and long term care theories and practices. It will provide knowledge about aging process, medical care, as well as long term care management of the American Health Care delivery services. The course will emphasize the demographic changes and determinants life-styles. It will increase the students' knowledge of the health care continuum of aging and long term care. It also emphasizes health promotion strategies, promotes critical thinking, problem solving through the use of case studies, and gives students a solid background in understanding long-term care.

PREREQUISITES: Registration in the Divisions of Nursing and Allied Health Sciences.

### Clinical Laboratory Sciences Courses

**CLLS-101. Introduction to Clinical Laboratory Science. 2 cr.** History, organizations, educational and occupational opportunities, and ethics of clinical Laboratory science. PREREQUISITE: NONE

#### **CLLS 300. Basic Clinical Lab Techniques. 2 credits**

Introduces students to laboratory techniques used in the various areas of the clinical laboratory. The course will expose students to the basic techniques, principles and practices used in clinical and research laboratories. Students will develop an appreciation of the impact of laboratory skills in achieving accurate and precision on the final outcome of laboratory results. PREREQUISITE: NONE

#### **CLLS-415. Clinical Urinalysis and Body Fluids. 3 crs.**

Lectures and laboratory course designed to give theoretical knowledge, and technical skills needed for the analysis of non-blood body fluids such as urine, spinal fluid, etc. and laboratory detection methods used in evaluating renal function and other diseases. PREREQUISITE: PHYSIOLOGY - MINIMUM GRADE OF 'C'.

#### **CLLS-307. Clinical Immunology I. 4 crs.**

Lectures and laboratory course on theory, principles, and procedures of immunology. The course will provide students with the knowledge and principles of immunology, the application of these principles to diagnostic immunology, and exposure to current developments in the field (Formerly CLLS-709). PREREQUISITE: BIOL-220 AND PHYSIOLOGY – MINIMUM GRADE OF 'C'.

#### **CLLS-303. Clinical Hematology I. 4 crs.**

Lectures and simulated laboratory course designed to provide information on the basic hematology concepts, and current hematology laboratory techniques and procedures. PREREQUISITE: BIOL-220 AND PHYSIOLOGY – MINIMUM GRADE OF 'C'.

**CLLS-308. Clinical Diagnostic Microbiology I. 5 crs.**

Lectures and simulated laboratory with emphasis on the general characteristics and procedures for identification of the various groups of bacteria of medical significance. PREREQUISITE: A GRADE OF 'C' OR ABOVE IN BIOL-220.

**CLLS-305. Clinical Biochemistry & Instrumentation. 4 crs.** Lecture and laboratory course focused on human biochemistry, basic physics concepts and operation of laboratory instrumentation. Students will learn to diagnose simple instrument malfunctions and the rationale for troubleshooting. PREREQ.: A GRADE OF C OR ABOVE IN PHYSIOLOGY, GENETICS & BIOL-220.

**CLLS-403. Clinical Hematology II. 4 crs.**

Lectures and laboratory in hematological blood diseases, hemostasis and leukemia cytochemistry. PREREQ.: A GRADE OF C OR ABOVE IN CLLS-303.

**CLLS-409. Immunohematology. 4 crs.**

Lectures and student laboratory sessions on advanced immunological studies and transfusion medicine including blood grouping, blood transfusion, leukocyte antigen typing, hepatitis associated antigens, and blood components. PREREQ.: A GRADE OF C OR ABOVE IN CLLS 307 (Formerly CLLS-709).

**CLLS-310. Clinical Chemistry II. 4 crs.**

Lectures and student laboratory course focused on biochemistry profile of disease and the laboratory analytical findings in blood and other body fluids. PREREQ.: A GRADE OF C OR ABOVE IN CLLS 305.

**CLLS-416. Clinical Diagnostic Microbiology II. 5 crs.**

Lectures and simulated laboratory course with emphasis on the examination of clinical specimens; the isolation and the identification of organisms commonly encountered in humans. PREREQ.: A GRADE OF C OR ABOVE IN CLLS-308.

**CLLS-404. Hematology/Urinalysis Practicum. 4 crs.**

Clinical laboratory experience in hematology and urinalysis to increase proficiency in performance of procedures; learn routine, special and automated procedures and for exposure to patient/technologist relationships. Prereq.: A grade of C or above in CLLS-303 and 403.

**CLLS-406. Microbiology Practicum. 5 crs.**

Clinical laboratory experience in microbiology laboratory to increase proficiency in performance of procedure; learn routine, special and automated procedures and for exposure to patient/technologist relationships. laboratory. PREREQ.: A GRADE OF C OR ABOVE IN CLLS-308 AND 416.

**CLLS-408. Chemistry Practicum. 4 crs.**

Clinical laboratory experience in the chemistry laboratory to increase proficiency in the performance of procedures; learn routine, special and automated procedures and for exposure to patient/technologist relationships. PREREQ.: A GRADE OF C OR BETTER IN CLLS-305 AND CLLS-310.

**CLLS-411. Immunohematology Practicum. 4 crs.**

Clinical laboratory experiences in Blood Banking and Transfusion laboratory to increase proficiency in performance of procedures, to learn routine, special and automated procedures and for exposure to patient/technologist relationships. PREREQ.: A GRADE OF C OR ABOVE IN CLLS 307 (Formerly CLLS-709) and CLLS 409.

**CLLS-418. Clinical Laboratory Management Decision Making. 2 cr.**

Lectures and simulated practices designed to provide principles, theory and procedures of clinical management with

emphasis on evaluation of people, equipment, procedures and personnel relationships. This course uses the case study approach, interaction with industry personnel, medical information and laboratory data to aid in understanding patient diagnosis and disease.

**CLLS-720. Research - WRTG. 3 cr.**

This course is intended to teach clinical laboratory science students the principles of research, research methodologies, design and statistical methods. This course will equipped students with the principles of scientific research. Scientific writing and other writing assignments are integrated into this course. PREREQ.: A GRADE OF C OR ABOVE IN ENGL 003

**CLLS 400. Advance Lab Techniques. 2 credits**

Course focused on advance laboratory techniques used in research and other areas of the clinical laboratory. PREREQUISITE: NONE

**HEALTH MANAGEMENT**

**HLMN 102. Health Systems Management I. 3 Crs.**

This course is designed as an introduction to the history of the development and growth of Health Services Organizations (HSO) in private and public sectors in the United States. It covers principles of health care health delivery management, leadership, coordination, direction, control, human resources, governance, strategic planning, communications and quality assurance and health care finance for profit and not- for profits, as well as public health care delivery services. **PREREQUISITE:** MGMT 301, ECON 001& 002 and/or Junior/Senior Standing.

**HLMN 201. Community Health Organizations. 3 Crs.**

This course is designed for students in allied health, nursing and health sciences management. It covers the latest trends in public and private health care delivery services, health disparities with focus on underserved urban and rural populations in USA. It will provide students with the knowledge and skills necessary for a broad overview of health education, prevention and treatment of diseases, as well as community organization, program planning, minority health, health care, mental health, environmental health, drugs, safety, and occupational health. The learner based course will enable student to develop competency in quality assessment and improvement for patient care in the community health settings. PREREQUISITES: HLMN 102, HLMN /AHCC 202, MATH 009. AHCC 003 or major in Allied Health Sciences and Nursing Professions.

**HLMN 402. Health Management Internship.6 Crs.**

The Internship Program is designed as integrative practicum for senior students in Health Management Major. The course syllabus and Policies evolved from integrative didactic and practical experiences that bridge efficient and effective learning from the classrooms to the real world experiences leading to successful employment or advanced graduate studies in health care administration disciplines. The contents of the prerequisite courses in the four-year curriculum of study and job descriptions provide the foundation for students to practice management under the supervision of qualified preceptors and academic coordinator responsible for providing adequate settings or placement in public and private health services agency and organizations such as health departments, hospitals, HMO, Long Term and Home Health Care, Private Practices, as well as NIH, HRSA and other National, State and Local organizations. PREREQUISITES: Senior Status and approval of Internship Coordinator, Academic Advisor and Chair of the Department/Program.

**HLMN 404. Health Policy. 3 Crs.**

Health Policy course is designed for students in the allied health sciences, nursing and health administration and business management undergraduate programs. It covers concepts, tools, and techniques of health policy formulation, process and implementation. It provides historical perspectives and strategies in planning, organizing, coordinating, financing and evaluation and comparing health care nationally and internationally. It uses teaching tools such multidisciplinary team evidence-based and case studies in health torts, patient rights, private and universal insurance including Medicare and Medicaid reform, health laws and Affordable Health Care Acts and Management debates in private and public sectors in the United States and globally, as applicable.

**PREREQUISITES:** HLMN 102, HLMN 405, HLMN 406, AHCC 301 and/or Major in Allied Health Sciences and Nursing Division.

**HLMN 405 Health Care Finance. 3 Crs.**

This course is designed for health management major. It covers health care financial management, budgeting and strategic planning. It employs concepts, tools and techniques applicable to health care organizations, policies and financing including affordable patient care act and policies. Special focus will be on financial management private practice, Medicaid, Medicare, Managed Care and Long Term Health, Home Health Care and Health Insurance Exchange Policies and Management. It will also cover the concept of financing private entrepreneurship in health related organizations. The course is designed for students in allied health, nursing, pharmacy, public health, accounting and business administration undergraduate studies. **PREREQUISITE:** ACCT 201, HLMN 102, HLMN 409, MATH 009, MGMT 303 or Equivalent plus Junior/Senior level.

**HLMN 406. Epidemiology and Public Health. 3 Crs.**

This course is designed to provide professional growth and understanding of public health and health management dynamics using the principles of epidemiology and research theories and methods and their applicability to demographics, rapid assessment techniques, survey analysis, health indicators (mortality and morbidity), risk assessment and control and randomized studies useful for health systems designs including needs assessment, planning, managing, planning and evaluation. Special focus will be on the health, cultural and socio-economic determinants, evidence-based surveys and operational research methods and analysis including case studies that affect health status of minority, access to essential health care, capacity building and health disparities for population in underserved populations. **PREREQUISITES:** HLMN 102, HLMN 201, HLMN 409, INFO 204, NUTR 160, AHCC 003, MATH 009 or Major in Allied Health Sciences and Nursing Equivalent courses as approved by the Departments.

**HLMN 408. Health Management Capstone Seminar. 3 Crs.**

The Health Management Capstone Seminar is designed for senior students majoring health sciences and management with Bachelor of Science in Health Sciences in the Department of Health Sciences and Management of College of Nursing and Allied Health Sciences. It provide comprehensive knowledge and skills by integrating four year curriculum of study with best practices in academic didactic and real work experiences in health delivery organizations and public health administration. The focus will be on problem solving management case studies and multimedia presentation of weekly assignments by each focus groups papers and peer discussions and questioning period. **PREREQUISITE:** Completion of Curriculum of Studies and Senior/Prospective Graduate in Health Management Sciences Program

**HLMN 409 Health Systems Management II. 3 Crs.**

This course is designed to build on the foundation courses offered at the School of Business Management Minor Courses and Health Management Concentration Core Courses in the Department of Health Sciences and Management, College of Nursing and Allied Health Sciences. The course content focuses on prerequisite courses and overviews of health systems theories and practices such as US Health Services Organizations, Management of Health Services Organizations, Governance Structures and functions of HSOs; Communications and Information, Strategic Management of Health Systems, Quality Assurance and Assessment, Decision-Making and Evaluation Measurements. It also focuses on students as learners and participants in group activities as well as other multimedia techniques, project reports and presentations. **PREREQUISITES:** MGMT 301, HLMN 102, INFO 204, AHCC 003, AHCC 202 and Junior Standing

**NURSING**

**TRADITIONAL BSN PROGRAM – Upper Division Courses**

**NURS 304. Pathophysiology. 3 Crs.** This course is designed to provide students the opportunity to develop an understanding of the pathophysiological basis for the clinical manifestation of disease processes. Emphasis is placed on the mechanisms of disease and alterations of structure and function that result in signs and symptoms of disease in individuals across the lifespan.

**NURS 307. Health Assessment Across the Lifespan 3 Crs.** This course provides learners an opportunity to acquire skills of history taking, physical assessment, and documentation needed to conduct a comprehensive health assessment including the physical, psychosocial, and environmental aspects of health.. Emphasis is placed health

assessment as a systemic and organized examination that will provide accurate data on which to form valid nursing diagnoses and plan of care. Effective communication, assessment, and documentation will be practiced in the laboratory setting. The learner will demonstrate the techniques of physical assessment consisting of inspection, palpation, percussion, and auscultation.

**NURS 306 Introduction to Pharmacology 3 Crs.** This course focuses on the pharmacokinetics and pharmacodynamics of some identified drugs that affect persons across the life span. Areas of emphasis will include; the nursing process, nursing implications of the selected and related drugs, the role of a nurse in legal and research aspects of drug administration and medication calculations for oral and parenteral drugs.

**NURS 313 Informatics and Technology 2 Crs.** This course is designed to provide the student with an introduction to the emerging field of nursing informatics. The student will explore and examine computer technology and the tools of the Internet and World Wide Web, with a focus on selected computer applications and use of cyber-technology as it relates to nursing practice. The student will also examine the basics of information systems, expert systems, and telecommunication and the impact of these technologies, on nursing administration, education, advanced clinical practice and research.

**NURS 315 Concepts of Health and Illness Across the Lifespan 3 Crs.** This course focuses on nursing concepts that beginning nursing Learners need to provide care to diverse populations across the lifespan. Learners will explore various nursing theories, health promotion and their use with the nursing process. Emphasis is placed on the development of critical thinking and clinical judgment skills required to promote health and manage illness. The theoretical basis for assessing and managing basic human needs is explored across the lifespan.

**NURS 320 Fundamentals of Nursing 3 Crs.** This course focuses on nursing skills that beginning nursing students will need to provide safe, effective care to individuals experiencing health alterations across the lifespan. Emphasis will be placed on critical thinking, therapeutic communication, and interventions that promote optimal patient outcomes. Ethical, legal, and professional standards will be explored within the context of nursing practice. The nursing process will be used as a framework for problem solving, decision making, and organizing care of individuals. Guided lab and clinical experiences will provide students opportunities to acquire and practice appropriately leveled nursing skills.

**NURS 321 Introduction to Professional Nursing Practice 2 Crs.** This course is designed to provide students with the opportunity to develop an understanding of the history of nursing and issues and trends of modern nursing. Emphasis will be placed on the legal, ethical, and professional standards of nursing practice. The course will provide an opportunity to explore the roles of the professional nurse as designer, coordinator, and provider of care.

**NURS 323 Nursing Research. 2 Crs.** This course is designed to provide learners the opportunity to develop an understanding of the research process in the nursing discipline. The course focuses on the contribution of research to the solution of problems in nursing. Emphasis is placed on defining a clinical research problem through an examination and critique of studies from nursing research and related disciplines. The use of evidence-based research in nursing is introduced.

**NURS 324 Adult Health Nursing I. 5 Crs.** This course is designed to prepare the student to provide safe, holistic care for individuals with acute and chronic illnesses while applying concepts and principles from liberal arts, sciences, humanities, and the nursing discipline. Emphasis is placed on critical thinking, clinical judgment, decision-making, and health education. Clinical experiences provide an opportunity to apply theoretical knowledge in the performance of competencies that promote optimal patient outcomes.

**NURS 326. Nursing of the Childbearing Family. 5 Crs.** This course is designed to prepare the student to utilize the nursing process in providing care for families during the childbearing phase of the life cycle. The childbearing phase includes the preconception, antepartum, intrapartum, postpartum and neonatal periods. The course examines physiological, psychological, socio-cultural and developmental aspects of nursing care for the client. Emphasis is placed on critical thinking, clinical judgment, decision-making, and health education. Clinical experiences provide an

opportunity to apply theoretical knowledge in the performance of competencies, to become familiar with various technologies involved in the care of the client, and to develop skills in caring for individuals and families that promote optimal patient outcomes.

**NURS 327. Interdisciplinary Health Care Ethics. 2 Crs.** This course introduces learners to ethical and bioethical issues confronting healthcare providers within the practice setting. Through didactic and small group instructions, ethical theory and principles are introduced and used to critically analyze and construct well-reasoned responses to ethical dilemmas. Utilizing the Beaubeu Grid method to collect and analyze case information, learners will refine their critical thinking skills (both verbal and written) through reading, writing, and resolving case material presented in the small group class sessions. Emphasis on collaborative dialogue between and among disciplines represents the hallmark of this course.

**NURS 421. Psychiatric Mental Health Nursing. 5 Crs.** This course is designed to provide learners with the opportunity to implement the nursing process with individuals, families, and groups in the mental health setting. Clinical experiences provide the opportunity to apply theory and develop skills in the management of individuals, families, and groups to promote mental health. Emphasis is placed on achieving optimum mental health outcomes through collaboration with other health and social disciplines, community groups, and consumers.

**NURS 431 .Health Policy & Economics. 2 Crs.** This course is designed to provide students the opportunity to develop an understanding and appreciation of the policy-making process and its impact on nursing practice, health care delivery and health care finance. Emphasis will be placed on analysis of major economic, historical, social, legal, political and ethical influences on policy formulation, implementation and evaluation. Through a variety of field experiences, the focus will be on critical analysis of and participating in health policy and politics that drive the health care delivery system of the United States.

**NURS 434 Adult Health Nursing II. 5 Crs.** This course is designed to provide a theoretical knowledge base in caring for high-acuity individuals experiencing complex care problems and to examine the interrelationships among physiological concepts to assure competent and safe nursing practice. Clinical experiences provide an opportunity to translate the critical pathophysiological concepts to the high acuity client in a clinically applicable manner and enhance clinical decision-making in the performance of competencies that promote optimal patient outcomes.

**NURS 412. Nursing of Infants and Children. 5 Crs.** This course is designed to prepare the student to provide safe, holistic care for infants, children, and families. Emphasis is placed on critical thinking, clinical judgment, decision-making, and health education. Clinical experiences provide an opportunity to apply nursing theory and concepts when implementing interventions to achieve optimal health for infants, children, and families.

**NURS 436. Community Health Nursing. 3 Crs.** This course is designed to provide students with the opportunity to develop understanding of the concept of community primary healthcare. This course will provide opportunity to integrate the nursing process in care of individuals, families, groups, aggregates and populations in various community settings. Emphasis is on promoting optimal health outcomes through collaboration with inter-professional teams and community groups.

**NURS 438. Nursing Leadership. 3 Crs.** This course is designed to provide students the opportunity for role development as a designer, coordinator, and manager in the health care delivery systems. Concepts and theories of leadership management, organization change, decision making, finance, politics, and human resource management are examined. Leadership and management roles and strategies are analyzed in relation to a changing health care system. Emphasis is placed on the application of concepts and theories in a variety of settings.

**NURS 440. Nursing Synthesis. 3 Crs.** This course is designed to provide students the opportunity for role development as a designer, coordinator, and manager in the health care delivery systems. Concepts and theories of leadership management, organization change, decision making, finance, politics, and human resource management are examined. Leadership and management roles and strategies are analyzed in relation to a changing health care system. Emphasis is placed on the application of concepts and theories in a variety of settings.

## ELECTIVES

**NURS 400. Elective Clinical Nursing. 3 Crs.** The Clinical Nursing Elective course is a structured educational summer program designed to provide nursing students with an opportunity to improve their nursing skills in the clinical setting, while providing them with summer employment. Weekly educational sessions are designed specifically for the nurse externs. Nurse externs work within an agency to gain experience providing nursing care and services to patients. Nurse externs will work the assigned schedule as stipulated by the agency. The duties and responsibilities of the student nurse fall under the scope of practice for unlicensed health care providers within the agency providing the externship.

**NURS 413. Culturally Congruent Care. 3 Crs.** This course is designed to help students increase awareness of how the delivery and acceptance of health care may be influenced by social, cultural and environmental factors and increase the delivery of culturally competent and congruent care to individuals, families, groups, communities and institutions. The course will utilize cultural concepts; theories and models; cultural assessment; critical thinking; and evidence-based practice appropriate for developing knowledge. Emphasis is also placed upon the use of the Culturally Competent Model of Care. Students will be able to analyze cultural factors that facilitate/hinder communication. Furthermore, experiential activities and practical applications of the learned classroom material will contribute to life-long learning.

**NURS 419. Death, Grief and Bereavement. 3 Crs.** This course is designed to provide learners with an introduction to death and dying and in-depth study of grief and bereavement. The student will examine the multifaceted nature of dying, grief and the grieving process. Emphasis is placed on assisting the individual and family in coping during death, dying and grieving across the lifespan. Included is a discussion of strategies for self-care during dying and grief interventions.

## ONLINE RN to BSN PROGRAM

**NURS 307OL. Health Assessment Across the Lifespan. 3 Crs.** This course provides learners an opportunity to acquire skills of history taking, physical assessment, and documentation needed to conduct a comprehensive health assessment including the physical, psychosocial, and environmental aspects of health.. Emphasis is placed health assessment as a systemic and organized examination that will provide accurate data on which to form valid nursing diagnoses and plan of care. Effective communication, assessment, and documentation will be practiced in the laboratory setting. The learner will demonstrate the techniques of physical assessment consisting of inspection, palpation, percussion, and auscultation.

**NURS 308OL. Role Transition. 3 Crs.** This course focuses on the important topics and trends within the nursing discipline and baccalaureate educational process to facilitate the transition from technical nurse to professional nurse. The emphasis is on professional components of the various roles of the baccalaureate nurse in health care. Students will utilize critical thinking to analyze the role of the baccalaureate nurse as it relates to professional standards, life-long learning, professional development, and the use of evidenced based practice. The student will apply knowledge of the history of the university and profession of the nursing to build a foundation for practice.

**NURS 313OL. Informatics and Technology. 2 Crs.** This course is designed to provide the student with an introduction to the emerging field of nursing informatics. The student will explore and examine computer technology and the tools of the Internet and World Wide Web, with a focus on selected computer applications and use of cyber-technology as it relates to nursing practice. The student will also examine the basics of information systems, expert systems, and telecommunication and the impact of these technologies, on nursing administration, education, advanced clinical practice and research.

**NURS 315OL. Concepts of Health and Illness Across the Lifespan 3 Crs.** This course focuses on nursing concepts that nurses need to provide care to diverse populations across the lifespan. Students will explore various nursing theories, health promotion and their use with the nursing process. Emphasis is placed on the enhancement of critical



thinking and clinical judgment skills required to promote health and manage illness. The theoretical basis for assessing and managing basic human needs is explored across the lifespan.

**NURS 323OL. Nursing Research. 2 Crs.** This course is designed to provide students the opportunity to develop an understanding of the research process in the nursing discipline. The course focuses on the contribution of research to the solution of problems in nursing. Emphasis is placed on defining a clinical research problem through an examination and critique of studies from nursing research and related disciplines. The use of evidence-based research in nursing is introduced.

**NURS 327OL. Interdisciplinary Health Care Ethics. 2 Crs.** This course introduces learners to ethical and bioethical issues confronting healthcare providers within the practice setting. Through didactic and small group instructions, ethical theory and principles are introduced and used to critically analyze and construct well-reasoned responses to ethical dilemmas. Utilizing the Beaubeu Grid method to collect and analyze case information, learners will refine their critical thinking skills (both verbal and written) through reading, writing, and resolving case material presented in the small group class sessions. Emphasis on collaborative dialogue between and among disciplines represents the hallmark of this course.

**NURS 329OL. Nursing Issues. 3 Crs.** This course focuses on contemporary issues and trends within the nursing discipline. Learners will utilize critical thinking in the analysis and presentation of issues affecting nursing and health care in a global society. Legal, ethical, political, economic, and social issues are explored in a historical context to provide the student with perspective on the role of professional nursing in contemporary society. The importance of nursing science in nursing practice and in the development of nursing knowledge is included.

**NURS 419OL Elective (Death, Grief and Bereavement) 3 Crs.** This course is designed to provide learners with an introduction to death and dying and in-depth study of grief and bereavement. The student will examine the multifaceted nature of dying, grief and the grieving process. Emphasis is placed on assisting the individual and family in coping during death, dying and grieving across the lifespan. Included is a discussion of strategies for self-care during dying and grief interventions.

**NURS 431OL. Health Policy and Economics 2 Crs.** This course is designed to provide students the opportunity to develop an understanding and appreciation of the policy-making process and its impact on nursing practice, health care delivery and health care finance. Emphasis will be placed on analysis of major economic, historical, social, legal, political and ethical influences on policy formulation, implementation and evaluation. Through a variety of field experiences, the focus will be on critical analysis of and participating in health policy and politics that drive the health care delivery system of the United States.

**NURS 437OL. Community Mental Health Nursing. 5 Crs.** This course is designed to provide students with the opportunity to develop understandings of the concepts of community and mental health nursing. The course will provide theory and clinical opportunities to integrate the nursing process in developing population-specific care in community and mental health settings. Emphasis is on promoting optimal health outcome through partnerships with inter-professional teams and community groups.

**NURS 438OL. Nursing Leadership. 3 Crs.** This course is designed to provide students the opportunity for role development as a designer, coordinator, and manager in health care delivery systems. Concepts and theories of leadership, management, organization change, decision making, finance, politics, and human resource management are examined. Leadership and management roles and strategies are analyzed in relation to a changing health care system. Emphasis is placed on the application of the concepts and theories in a variety of settings.

## **NUTRITIONAL SCIENCES**

**NUTR. 006:** Introduction to Foods. 3 crs. Presents the principal underlying the scientific preparation and care of food. Two hour lectures and one two-hour laboratory period per week. Fall semester.

**NUTR.130:** Nutritional Biochemistry. 3 crs. Examination of the fundamental processes associated with the cellular metabolism of food stuffs - carbohydrates, fats, proteins, vitamins and minerals. Fall semester only. Prereqs: NUTR 161, Org. Chem 142.

**NUTR. 160:** Nutrition. 3 crs. Study of the food constituents and how the body utilizes them for optimum health through the life cycle, with emphasis on the cell as the basic unit of nutrition and development; also includes intercultural and interdisciplinary aspects of foods and applied nutrition.

**NUTR.161:** Nutrition for Health Majors. 3 crs. Study of how the body uses nutrients for optimum health, emphasizing the cell as the basic unit of nutrition and development. Prereqs: concurrent with CHEM: 003- Health majors only.

**NUTR 169:** Field Experience in Human Nutrition and Food: Students are placed in a variety of community organizations to gain practical experience in a wide variety of nutrition based disciplines. Prereqs: CHEM: 004-156, 571-175, and Research Methods- 416.

**NUTR 175:** Advanced Nutrition. 3 crs. Treats digestion, absorption, and utilization of essential nutrients: interrelationships and concepts of animal experimentation. Spring semester only. Prereqs: 180-003 and CHEM: 156, NUTR: 130, or concurrent enrollment.

**NTUR 177:** Nutrition Seminar. 3crs. Study of recent authoritative literature to obtain a knowledge of new discoveries and advances in nutrition. Fall semester only. Prereqs: NUTR: 160.

**NUTR 183:** Community Nutrition. 3 crs. Evaluation of nutrition and food programs of international, federal and state agencies in a community context, including nutrition education and food distribution. Prereqs: NUTR: 161, NUTR: 302.

**NTUR 185:** Experimental Foods. 3 crs. Explores Interaction of recipe ingredients in food preparation, food design, and engineering, recipe manipulation, and subjective and objective techniques for food evaluations. Spring semester only. Prereqs: CHEM: 004 and NUTR: 006.

**NUTR 189:** Food Chemistry and Analysis. 4 crs. Involves principles and methodology of food analysis; food additives; and laboratory experience in techniques for protein, fat ash, and moisture. Spring semester only. Prereqs: CHEM 004 and NUTR 006.

**NUTR 190, 191:** Special Projects in Human Nutrition and Food. 3 crs. Directed study. Prereqs. NUTR 160 and Instructor's consent.

**NUTR 302:** Survey of Nutrition. 2 crs. Addresses basic knowledge, skill and insight in nutrition required for realistic functioning of health care professionals in providing quality health care.

**NUTR 310:** Introduction to Dietetics. 1cr. This course introduces students to the field of dietetics including its diversity. It covers the history of the dietetic profession and the ethical guidelines for the profession.

**NUTR 311:** Organization and Management of Food and Nutrition Service. 3 crs. This course includes the managerial processes with emphasis on food systems management.

**NUTR 312:** Food Service Systems Management theory. 3 crs. Study of the functional subsystems as the transformation element in the food service system model.

**NUTR 320:** Nutrition during the Life Cycle. 3crs. Introduction to the nutritional needs of people throughout the life cycle.

**NUTR 321:** Practicum in Organization and Management of Food and Nutrition Services. 2 crs. An educational/coordinated practical experience used to introduce students to the art of management, which allows them to comprehend links between theory and practice.

**NUTR 322:** Practicum in Quantity Foods. 3 crs. An educational/coordinated approach is used to provide practical experience in quantity food production, service and management of a food service operation.

**NUTR 323:** Evaluation of Nutritional Status. 3 crs. A study of the basic objectives, procedures and techniques involved in the assessment of the nutritional status of communities, households, and Individuals.

**NUTR 325:** Nutrition Care Management I .3 crs. A coordinated course designed to provide the student with basic knowledge and skills for nutrition care management.

**NUTR 410:** Medical Nutrition Therapy I. 3 crs. Investigates the role of diet in the prevention and treatment of disease. Fall semester.

Prereqs: CHEM 156, or NUTR 130, NUTR 008, and NUTR 175 or concurrent enrollment.

**NUTR 413:** Medical Nutrition Therapy II. 3 crs. Investigates the role of diet in the prevention and treatment of disease. Fall semester.

Prereqs: CHEM 156, or NUTR 130, NUTR 008, and NUTR 175 or concurrent enrollment.

**NUTR 411:** Nutritional Care Management II. 4 crs. This course focuses on nutrition care in various disease states and the modification of diets relative to diseases.

**NUTR 415:** Diet Therapy Dry Lab. 1 cr. This course introduces the student to dietary calculations, modification and dietary planning for disease states.

**NUTR 416:** Research Methods in Nutrition. 2 crs. This course introduces major students to various research techniques for the conduct and presentation of research in the nutritional sciences, including application of basic statistical methods.

**NUTR 420:** Practicum Comprehensive. 10 crs. Provides experience in the nutritional care management of people throughout the life cycle in varying stages of illness and wellness.

Prereqs: NUTR 311, 410, 411 and 415.

**NUTR 425:** Issues in Dietetics and Nutrition. 2 crs. This course incorporates current Issues into the comprehensive management of nutritional care.

## **PHYSICIAN ASSISTANT**

**PHAS 005. Introduction to Physician Assistant. 1 cr.** Explores the history, educational and occupational opportunities, organizations and ethics of the physician assistant profession. Prereq.: Admission to Upper Division

**PHAS 018. Clinical Laboratory Procedures. 3 crs.** A series of lectures, demonstrations and laboratory procedures covering the indication, clinical application and interpretation of diagnostic tests frequently encountered in clinical practice. Prereq.: Admission to Upper Division

**PHAS 021. Clinical Medicine I. 4 crs.** A systematic analysis of major diseases encountered in primary care medicine. Utilizing an organ system approach, emphasis on etiology, pathophysiology, presentation, diagnosis, management, and prevention of diseases is provided. Prereq.: Admission to Upper Division

**PHAS 022. Clinical Medicine II. 4 crs.** A continuation of Clinical Medicine I, PHAS-021

**PHAS 023. Pharmacology I. 3 crs.** The principles of pharmacology and pharmacodynamics in the management of disease. Clinical correlations and applied therapeutics are presented. Prereq.: Admission to Upper Division.

**PHAS 025. Obstetrics and Gynecology. 2 crs.** The study of the health care of women, including their sexual and reproductive function and diseases of the female reproductive track. The care of the mother and fetus throughout pregnancy, childbirth and postpartum period are discussed. Prereqs.: Successful completion of Clinical Medicine I, II, III, PHAS-021, 037.

**PHAS 027. Mental Health. 2 crs.** Presents diagnostic, therapeutic, and preventive approaches and techniques utilized in psychiatric disorders commonly encountered in primary care medicine. Successful completion of Clinical Med. I, II, III, PHAS 021, 022, 037.

**PHAS 028. Pharmacology II. 3 crs.** The principles of pharmacology and pharmacodynamics in the management of disease. Clinical correlations and applied therapeutics are presented. Prereq.: Successful completion of Pharmacology I.

**PHAS 029. Child Health. 2 crs.** Explores topics related to the principles of pediatric clinical practice with a focus on incidence, etiology, diagnosis, prevention and management of selected diseases. Evaluation of normal growth and development during infancy, childhood and adolescence is presented. Prereqs.: Successful completion of Clinical Medicine I, II, III, PHAS 021, 022, 037.

**PHAS 030. Physical Diagnosis I. 4 crs.** The development of clinical skills necessary to perform a comprehensive medical history and physical examination. Practical experiences correlate with lectures, demonstrations and laboratory practicum. Prereq.: Admission to Upper Division

**PHAS 031. Internal Medicine Clerkship I. 5 crs.** A five-week hospital-based clinical rotation providing exposure to the evaluation, diagnosis, management and prevention of diseases encountered in internal medicine. Prereq.: Successful completion of didactic curriculum.

**PHAS 034. Physical Diagnosis II. 2 crs.** Interpretation of electroencephalograms and radiographs, abnormalities of the physical examination, performance of diagnostic procedures and clinical experiences are provided. Prereq.: Successful completion of Physical Diagnosis I.

**PHAS 035. Physical Diagnosis III. 2 crs.** Clinical experience in patient evaluation, diagnosis, management and disease prevention. Prereq.: Successful completion of Physical Diagnosis II.

**PHAS 036. Clinical Chemistry. 3 crs.** Examines the chemical and molecular control and reactions in the human body. Clinical correlation of various biochemical parameters measured in body fluids under a variety of abnormal conditions are presented. Prereq.: Admission to Upper Division.

**PHAS 037. Clinical Medicine III. 4 crs.** Continuation of Clinical Medicine II, PHAS-022.

**PHAS 039. Surgery. 2 crs.** A systematic analysis of major diseases and injuries commonly encountered in general surgery requiring manual and operative procedures for correction and repair. The physician assistant role pre- and post-operatively is emphasized. Prereq.: Successful completion of Clinical Medicine I, II, III, PHAS-021, PSYC, 037.

**PHAS 045. Preceptorship I. 5 crs.** A five-week clinical rotation offering exposure in outpatient family practice. Emphasis is placed on evaluation, diagnosis, management and prevention of disorders commonly encountered in primary care medicine. Prereq.: Successful completion of all clinical rotations other than Preceptorship.

**PHAS 046. Preceptorship II. 5 crs.** A five-week clinical rotation. Continuation of Preceptorship

**PHAS 048. Preceptorship III. 5 crs.** A five-week clinical rotation. Continuation of Preceptorship

**PHAS 049. Board Prep. 2 crs.** A five-week preparation for the national board examination. Prereq.: Completion of all professional phase courses with the exception of Preceptorship III.

**PHAS 050. Obstetrics-Gynecology Clerkship. 5 crs.** A six-week rotation designed to provide practical experiences in the evaluation and management of gynecological and obstetrical patients. Clinical experience is provided in labor and delivery, family planning and counseling, outpatient or GYN clinic. Prereq.: Successful completion of didactic curriculum.

**PHAS 052. Pediatric Clerkship. 5 crs.** A five-week rotation designed to provide practical clinical experience in the nursery and outpatient pediatric clinic. Emphasis on the evaluation, diagnosis, management and prevention of commonly encountered disorders. Health maintenance and normal growth and development through adolescence is provided. Prereq.: Successful completion of didactic curriculum.

**PHAS 053. Surgery Clerkship. 5 crs.** A five-week rotation providing practical clinical experiences in the evaluation, diagnosis, management and prevention of diseases and injuries commonly encountered on the inpatient and outpatient surgical services. Exposure to diagnostic and surgical procedures, operating room, pre- and post-operative management are provided. Prereq.: Successful completion of Medicine Clerkship I, II, PHAS

**PHAS 054. Emergency Medicine Clerkship. 5 crs.** A five-week rotation designed to provide clinical experiences in the evaluation, diagnosis, management and prevention of diseases and injuries commonly encountered in the emergency care setting. Prereq.: Successful completion of didactic curriculum

**PHAS 057. Psychiatry Clerkship. 5 crs.** A five-week rotation designed to provide practical clinical experiences of psychiatric disorders commonly encountered in primary care medicine. Emphasis on the evaluation, diagnosis, management and prevention of diseases is provided through hospital and outpatient clinical exposure. Prereq.: Successful completion of didactic curriculum

**PHAS 060. Directed Independent Study I. 1 cr.** Independent program of study to allow an opportunity to maintain clinical skills and remediate deficiencies in the professional program. Prereq.: Approval of study outline by instructor and department chairman.

**PHAS 061. Directed Independent Study II. 2 crs.** An independent program of study to allow opportunity in the professional program to maintain competence in clinical medicine. Prereq.: Approval of study outlined by instructor and department chairman.

**PHAS 062. Directed Independent Study III. 3 crs.** An independent program of study to allow opportunity in the professional program to maintain competence in clinical medicine. Prereq: Approval of study outlined by instructor & department chairperson.

**PHAS 316. Principles of Disease. 3 crs.** A systematic analysis of major diseases encountered in primary care medicine. Utilizing an organ system approach, emphasis on etiology, pathophysiology Prereq.: Admission to Upper Division.

## **RADIATION THERAPY**

**RASC 211. Radiation Therapy Orientation. 2 crs.** This course provides an introduction and an overview of the discipline of radiation therapy. The content includes the basic principles, practices and policies regarding the radiation therapist's role in the management of cancer, professionalism, and ethical issues in cancer care. Academic, departmental personnel, administrative structures, radiation and health safety procedures, related professional organizations, professional skills and life-long learning are discussed. Prereq: Sophomore status in the program or by permission of the department head.

**RASC 310. Clinical Radiotherapy I. 2 crs.** Clinical practicum in radiation oncology facilities at affiliating institutions to fulfill sequential clinical program requirements. Course includes an extensive overview of program and clinical policies, procedures and expectations in preparation for clinical practicum. Prereq.: Successful completion of all prerequisite courses and admission into the upper division of the program.

**RASC 311. Principles and Practice of Radiation Therapy. 3 crs.** . Provides an overview of the historic and current management of neoplastic disease, decision process, physical and technical aspects of radiation therapy, function and structure of simulation/treatment equipment, ethical and legal considerations related to the scope and practice of radiation therapists. Prereq: RASC-211 and successful admission into the upper division of the program.

**RASC 312. Environment and Radiation Protection. 2 crs.** Content includes basic principles of radiation protection, biological effects, surveys, detection, measurement, personnel monitoring, environmental, health, legal and safety requirements of federal, state, and local regulatory agencies and healthcare organizations. Prereq: Successful completion of all prerequisite courses and admission into the upper division of the program

**RASC 313. Radiation Therapy Physics. 3 crs.** Presents the applied physics related to radiation therapy and focuses on structure of matter, properties of matter, properties of radiation, nuclear transformations, principles of image production, treatment equipment, types of radiation, beam quality, dose measurement and distribution. Prereq: Successful completion of all prerequisite courses and admission into the upper division of the program

**RASC 314. Cross Sectional Anatomy. 2 crs.** Content includes the medical imaging modalities in radiation therapy with special emphasis on CT. Knowledge of anatomic structures are reviewed through a variety of sectional images. Prereq: Successful completion of prerequisite courses and admission into the upper division of the program.

**RASC 315. Introduction to Oncology. 2 crs.** Course provides an introduction to the field of Oncology, including Surgical Oncology, Medical Oncology, Radiation Oncology, Radiation Effects and Complementary and Alternative Medicine in Cancer Management. Prereq: Successful completion of prerequisite courses and admission into the upper division of the program.

**RASC 320. Clinical Radiation Therapy II. 2 crs.** A continuation of sequential assignments at radiation oncology affiliations to fulfill clinical program requirements. This clinical course is designed to foster the development of future radiation therapists. Prereq: Completion of first semester in upper division.

**RASC 323. Imaging and Radiation Therapy. 3 crs.** This course is designed to establish a basic knowledge of Radiation Therapy related imaging principles and techniques used during the treatment planning and verification process. Prereq.: RASC-310.

**RASC 324. Patient Care and Management. 3 crs.** . Provides the student with concepts and competencies in assessment, management, and evaluation of patient care including considerations of physical and psychosocial aspects. Routine and emergency patient care procedures will be emphasized. The role of the radiation therapist in patient education. Prereqs.: RASC-310, 311, 312, 313.

**RASC 325. Radiation Oncology I. 3 crs.** The course is part two in the overview of multidisciplinary cancer management. Content covered includes anatomy, physiology review, etiology, epidemiology, detection and work-up, diagnosis, patterns of spread, staging, treatment techniques, organs at risk and multimodality management, and prognosis of specific cancer sites with emphasis on treatment assessment, delivery and evaluation. Also reviews the role of the radiation therapist in patient education including associated acute and chronic effects and management. Prereqs.: RASC-311, RASC-310, MDAN-168, MPHY-101 or equivalent.

**RASC 326. Radiation Therapy Physics II. 3 crs.** A continuation of RASC-313 to include the physical parameters of various radiation treatment techniques, calculations and measurements. Also included are quality assurance considerations and brachytherapy. Prereqs.: RASC-313.

**RASC 327. Pathophysiology. 3 crs.** Presents basic pathological concepts and principles related to the nature of disease and its effects on the body tissues and its organs. This information will assist the student radiation therapist in the describing the pathologic conditions, clinical signs and symptoms and associated laboratory methods used to assess the diagnosis and the treatment of various diseases encountered during clinical practice. Prereqs.: MDAN-168, MPHY-102.

**RASC 328. Problem Solving I. 2 crs.**

**RASC 330. Clinical Radiation Therapy III. 3 crs.** Clinical practicum in the radiation oncology departments at affiliated institutions. Prereqs.: RASC-320 as well as successful completion of first year Upper Division courses.

**RASC 335. Clinical Radiotherapy IV. 3 crs.** Clinical practicum in the radiation oncology departments at affiliated institutions. Prereq.: RASC-330.

**RASC 410. Clinical Radiotherapy V. 2 crs.** Clinical practicum in the radiation oncology departments at affiliating institutions or in associated departments. Prereqs.: Successful completion of RASC-335.

**RASC 412. Treatment Planning I. 3 crs.** Focuses on basic concepts of radiation treatment planning through lecture and laboratory exercises. Includes the theoretical and practical application of dose calculations, localization of tumors, and factors that impact basic treatment planning. Prereqs.: RASC-313, 327.

**RASC 413. Quality Management. 1 cr.**

**RASC 414. Problem Solving. 1 cr.** Continuation of content that is designed to address issues related to the scope and practice of radiation therapists, Lecture/Lab. Prereq: RASC-335.

**RASC 415. Radiation Oncology II. 3 crs.** Completion of Radiation Oncology in the management of various systems in cancer care delivery. RASC-325. Prereqs.: RASC-324, 327, 330, 335.

**RASC 420. Clinical Radiation Therapy VI. 5 crs.** Completion of sequential clinical practice at mastery-level competence in radiation oncology conducted at affiliating institutions. Prereqs.: RASC-410.

**RASC 422. Problem Seminar and Lab. 3 crs.** Designed to provide a comprehensive review for seniors in preparation to take the national board examination and problem solve various situations they may encounter during entry-level employment. Prereq.: Completion of three semesters of professional study.

**RASC 424. Problem Solving II. 2 crs.**

**RASC 426. Treatment Planning II. 2 crs.** Continuation of Treatment Planning I. RASC-410, 412.

**RASC 427. Radiation Biology. 2 crs.** Principles of cell biology and radiation interaction, effects of radiation and other factors on cell response, acute and chronic effects of radiation are discussed. Prereqs.: RASC-312.

**RASC 430. Clinical Radiation Therapy VII. 2 crs.** Clinical practicum in the radiation oncology departments at affiliated institutions (**if needed to complete graduation requirements**). Prereq.: RASC-420.