ACADEMIC CATALOG 2012-2013

JOHNSON C. SMITH UNIVERSITY

JOHNSON C. SMITH UNIVERSITY
IS ACCREDITED BY

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The Commission can be contacted regarding inquiries
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The University is accredited to award
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Accreditation Council for Business Schools and Programs
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North Carolina Association of Colleges for Teacher Education
North Carolina Association of Independent Colleges and Universities
Southern Association of College Registrars and Admissions Officers
United Negro College Fund

Admission to, employment by, and promotion
within the University shall be on the basis of merit,
and there shall be no discrimination on the basis of race,
color, creed, sex, national origin, or disability.

JOHNSON C. SMITH UNIVERSITY

UNIVERSITY CATALOG

2012-2013

100 Beatties Ford Road
Charlotte, North Carolina
28216-5398
www.jcsu.edu

The provisions of this Catalog are not to be construed as an irrevocable contract between the student and Johnson C. Smith University. This Catalog, the Student Handbook and other documents and regulations of the University are part of the provisional relationship the student has with the University. These materials are made available to the student at or before admission and enrollment. The student, on admission, is obligating himself or herself to submit to and be governed by the reasonable rules and regulations contained in these materials. Students should read these materials and familiarize themselves with their contractual obligations. The University reserves the right to change fees, tuition or other charges; to add or to delete courses; to revise academic programs; or to alter regulations and requirements as deemed necessary. Johnson C. Smith University offers both equal education and equal employment opportunities.

Johnson C. Smith University, Incorporated shall continue the present policy of admitting students of any race, color, sex, national and ethnic origin to all rights, privileges, programs and activities generally accorded to or made available to students at the University.

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ACADEMIC CALENDAR
2012-2013

FALL SEMESTER 2012

Thurs., Aug. 23	Faculty Members Report for Mandatory Opening School Workshops
Thurs., Aug. 23 - Tues., Sept.11	Learning Outcomes/Faculty Development
Mon., Sept 10	Opening School Workshops for Faculty
	President's Opening Address to Faculty and Staff
Tues., Sept 11	New Students Check into Residence Halls (9:00 am - 5:00 pm)
Wed., Sept 12	New Student Validation - (Office of Business and Finance, Admissions, and Financial Aid Offices) (9:00 am - 5:00 pm)
	New Student Placement Exams
Thurs., Sept 13	Residence Halls Open for Upper Class Students
	Adjunct Orientation (6:00 pm - 8:00 pm)
	New Student Laptop Training/Distribution
	Golden Bull Attendees Laptop Distribution
Thurs., Sept. 13 - Sun., Sept.16	New Student Orientation
Fri., Sept 14	Laptop Distribution for Returning and Transfer Students Begins
	New Faculty Orientation (9:00 am - 4:00 pm)
Fri., Sept. 14 - Fri., Sept. 21	Validation and Registration (Jack Brayboy Gymnasium) (9:00 am - 4:00 pm)
Mon., Sept. 17	**First Day of Classes**
	Constitution Day
Tues., Sept 18	Cooperative Institutional Research Program (CIRP) Freshman Survey
Fri., Sept. 21	Last Day to Add a Course or Enroll for Fall Semester
Sat., Sept. 22 - Tue., Nov. 20	Official Course Withdrawal Period
Wed., Sept. 26	Last Day to Validate for Fall 2012
Tues., Oct. 2	Opening Convocation (Jack Brayboy Gymnasium) (11:00 am)
Fri., Oct. 12	Last Day to File for December Graduation
Mon., Oct. 15	Standardized Testing Day
	Freshman Investiture (6:00 pm)
Tues., Oct. 16	Graduate and Professional Schools Day
Tues., Oct. 16	Career Fair
Wed., Oct. 17	Last Day to Submit Proof of Immunization Records

ACADEMIC CALENDAR
2012-2013

Fri., Oct. 19	Last Day to Remove Academic Incompletes from Spring 2012
	Early Alert Grades Due for All Students
Wed., Oct. 24	Assessment Day
Sat., Oct. 27	**Homecoming**
Thurs., Nov. 1 - Fri., Nov. 2	Mid-Semester Examinations
Mon., Nov. 5 - Tue., Nov. 6	**Fall Semester Break** (Residence Halls Open)
Wed., Nov. 7	Mid-Semester Grades Due (Registrar's Office) (12:00 noon)
	Last Day to File Application for Student Teaching in the Spring Semester
Thurs., Nov. 8 - Fri., Nov. 9	Mid-term Reviews
Mon., Nov 12 - Fri., Nov. 16	Advisement for Spring Registration
Tues., Nov. 20	Last Day to Withdraw from a Course(s) or the University with a Grade of W (Registrar's Office) (9:00 am - 5:00 pm) . Withdrawals after this Date will be Assigned a Grade of F.
Wed., Nov. 14 - Tues., Nov. 20	Seniors Only Registration and Validation for Spring Semester Begins (Business Office) (9:00 am - 4:00 pm)
Wed., Nov. 21 - Fri., Nov. 23	**Thanksgiving Holiday** (No Classes)
Thurs., Nov. 22 - Fri. Nov. 23	Administrative Offices Closed
Mon., Nov. 26	Course Evaluation Distribution
Mon., Nov. 26 - Fri., Dec. 14	Open Registration and Validation for all Students for Spring Semester Begins (Business Office) (9:00 am - 4:00 pm)
Mon. Dec. 10	Course Evaluations Returned
Fri., Dec. 14	Last Day to Submit Completed Senior Paper for December Graduation (1:00 pm)
	(Dept. Chairs Must Turn in all Completed SIPs to Deans by Deadline.)
	Last Day to Complete Community Service Hours Documentation for December Graduation
Fri., Dec. 14	Last Day to Complete Lyceum Requirements for December Graduation
Fri., Dec. 21 - Tue., Jan. 1, 2013	**Winter Break** - No Classes/Administrative Offices Closed
Wed., Jan. 2	Staff Returns Returning Students Check-In
Thurs., Jan. 3	Faculty and Students Return to Classes
Mon., Jan. 14	Reading Day

ACADEMIC CALENDAR
2012-2013

Tue., Jan. 15 - Sat. 19	Final Examinations
Sat., Jan. 19	New and Transfer Students Check-In

SPRING SEMESTER 2013

Mon., Jan. 21	**Martin Luther King's Birthday** (University Open)
	Benefit-Eligible Staff Members Receive Floating Holiday
	Final Grades Due (Registrar's Office) (9:00 am)
Mon., Jan. 21 - Wed., Jan. 23	Faculty Attendance by Rotation for Advising
	New Student Placement Tests (am) and Advisement
	Registration and Validation (pm)
Tue., Jan. 22 - Wed., Jan 23	Spring Advising and Registration
Wed., Jan. 23	Laptop Distribution for New and Transfer Students
	Late Registration/Validation Continues (Biddle Hall) (9:00 am - 4:00 pm)
Thurs., Jan. 24	**First Day of Classes**
Thurs., Jan. 31 - Fri., Apr. 5	Official Course Withdrawal Period
Wed., Feb 6	Last Day to Add a Course or Enroll for Spring Semester
	Last Day to Validate
	Last Day to Request Book Store Voucher
	Last Day to Purchase Parking Decal
	Last Day to Change Meal Plan
	Last Day to File for May Graduation
Fri., Feb 15	Last Day to Pick-up Book Store Gift Card
Fri., Feb. 22	Early Alert Grades for All Students
Thurs., Feb 28	Mandatory Senior Meeting (Biddle Hall) (11:00 am)
Fri., Mar 1	Early Alert Grades for Freshmen and Sophomores (Retention Office) (5:00 pm)
Tues., Mar 5	Last Day to Submit Proof of Immunizations Records
Wed., Mar 6	Last Day to Remove Incompletes from Fall 2012
Thurs., Mar 21 - Fri., Mar 22	Mid-Semester Examinations
Mon. Mar 25	Mid-Semester Grades Due (Registrar's Office) (9:00 am))
Mon., Mar 25 -Sun., Mar 31	**Spring Semester Break** (Residence Halls Open)

ACADEMIC CALENDAR
2012-2013

Fri., March 29 - Mon., Apr. 1	**Easter Holiday** (University Closed) (Residence Halls Open)
Wed., April 3 - Thurs., April 4	Mid-Term Reviews
Thurs., Apr. 4	Honors Convocation
Fri., April 5	Last Day To Withdraw from a Course(s) or the University with a Grade of W. (Registrar's Office) (9:00 am - 5:00 pm). Withdrawals after this Date will be Assigned a Grade of F.
Mon., Apr. 8 - Fri., Apr. 12	Advisement Week for Fall Registration
Wed., Apr. 10	**Assessment Day**
Mon., Apr. 22	Course Evaluations Distributions
Mon., Apr 22 - Fri., Apr 26	Registration for Fall Semester
Fri., Apr 26	Last Day to Complete Lyceum Requirements for May Graduation (5:00 pm)
	Last Day to Complete Community Service Hours Documentation for May Graduation (5:00 pm)
Mon., Apr. 29 - Wed., May 1	Advance Registration for Summer School
Sun., May 5	**Founders' Day**
Mon., May 6	Course Evaluations Returned
Mon., May 6	Last Day to Submit Completed Senior Paper for May Graduation (Dept. Chairs Submit SIPs to Deans)
Tues., May 7 - Wed., May 8	Final Examinations For Graduating Seniors Spring Semester
	Laptop Return for Graduating Seniors
Fri., May 10	Grade Reports for Graduating Seniors Due (Registrar's Office) (9:00 am)
Sat., May 11	**Last Day of Classes**
Mon., May 13	Reading Day
	Examination Clearance List to Professors
Mon., May 13 - Wed., May 15	Mandatory Laptop Return
Mon., May 13 - Fri., May 17	Senior Week
Tue., May 14 - Sat., May 18	Final Examinations
Fri., May 17	**Baccalaureate Service**
Sat., May 18	Residence Halls Closed for all but Seniors (5:00 pm)
Sun., May 19	**Commencement Exercises**

ACADEMIC CALENDAR
2012-2013

Mon., May 20	Grade Reports for Non-Graduating Seniors (Registrar's Office) (9:00 am)
Mon., May 20 - Fri. ,May 24	Faculty Post-School Activities
Fri., May 24	Last Day of Faculty Contracts for 2012-2013

SUMMER SCHOOL 2013

Thurs., May 23	Summer School Students Check into Residence Halls (9:00 am - 5:00 pm)
Fri., May 24	Summer School Registration and Validation (9:00 am - 4:00 pm)
Mon., May 27	**Memorial Day Holiday** (University Closed)
Tues., May 28 - Tues., Jul. 2	**Summer School Classes Begin**
Wed., Jun. 5 - Fri., Jun. 28	Freshmen Scholars Program
Fri., Jun 7	Last Day to Drop Courses and Validation (No Tuition Adjustment)
	Last Day to File for FAFSA and Reserve Room
Fri., Jun 14	Regular Validation for Fall Semester (No Discounts)
Mon., Jul. 1 - Tues., Jul. 2	Final Examinations
Tues., Jul. 2	Residence Halls Closed (5:00 pm)
	Last Day to Validate to Retain Registration and Room Assignment without Late Registration Fee. Signed Promissory Notes Must be Turned into Financial Aid (For Upperclassmen)
Wed., Jul. 3	Late Validation Begins
	Final Summer School Grades Due (Registrar's Office) (12:00 Noon)
Thurs., Jul. 4	**Fourth Of July Holiday** (University Closed)
Fri., Jul. 12 - Sat., Jul. 13	Golden Bull Academy: New Student Orientation Session I
Mon., Jul. 15	Academic Appeals Due for Fall Semester

GENERAL INFORMATION

HISTORY

1867

In 1867, Rev. S.C. Alexander and Rev. W. L. Miller saw the need to establish an educational institution in this region of the South. On April 7, at a meeting of the Catawba Presbytery in the old Charlotte Presbyterian Church, the school was formally inaugurated, which, by charter, was named The Freedmen's College of North Carolina. The two ministers were elected teachers.

1867-1876

Mary D. Biddle of Philadelphia, Pa. who, through appeals in a church paper, pledged $1,400 to the newly-established school. In appreciation of this first and generous contribution, friends requested Mrs. Biddle name the college after her late husband, Major Henry Biddle. From 1867 to 1876, the school was named Biddle Memorial Institute and chartered by the state legislature.

1876

Charlotte citizen Colonel W. R. Myers donated the first eight acres of land for the school. The school charter was changed by the North Carolina Legislature, and the name became Biddle University.

1883

A new building was erected to serve as the main administrative building for the University. Built by former slaves during evening hours by candlelight, it featured recitation rooms and a 600-seat audience chamber. It still stands today as Biddle Memorial Hall and houses the Office of the President.

1892

The first African-American intercollegiate football game was played between Biddle University and Livingstone College in December in Salisbury, N.C. The Golden Bulls won that first game, which is now an annual tradition called the Commemorative Classic.

1919

Biddle University became the first Black college in the South to offer professional courses in education.

1921-1922

Jane Berry Smith, of Pittsburgh, Pa., donated funds to build a theological dormitory, science hall, teachers' cottage, and memorial gate, plus provided an endowment for the institution in memory of her late husband, Johnson C. Smith. In recognition of these gifts, the Board of Trustees changed the name of the institution to Johnson C. Smith University.

1924

JCSU was recognized as a four-year college by the North Carolina State Board of Education. The University was further strengthened by a substantial provision from James B. Duke.

1924

James B. Duke established the Duke Endowment, which named JCSU as one of four beneficiaries in the area of higher education.

1938

JCSU attained the status of an independent college affiliated with the Presbyterian Church, reporting to the N.C. General Assembly through the Board of Christian Education.

1941

Women were admitted to the freshman class for the first time.

1944

JCSU joined the United Negro College Fund as a founding member.

1965

The Mary Joyce Taylor Crisp Memorial Student Union was built.

1967

JCSU celebrated its 100th anniversary. During this historic centennial occasion, the University examined its past and made innovative plans for the future.

1990

The Robert L. Albright Honors College Center was built to recruit outstanding students who have the academic, social, and service commitments to function as leaders and role models on campus and in their communities.

1994

Dr. Dorothy Cowser Yancy became the first female president of JCSU. The Service Learning Center was established as a model program in the Southern region to instill strong values of service to the community and create a well-balanced education for JCSU graduates.

1996

JCSU received a $1-million gift from Irwin Belk, a prominent Charlotte businessman. At the time, it was the largest gift from a living individual in the school's history.

1997

The Technology Center was established, featuring a state-of-the-art video teleconferencing auditorium center and nine state-of-the-art labs.

2000

JCSU gained national recognition when it launched the IBM Laptop Initiative, known as ThinkPad U. JCSU became one of the few colleges in the country, and the first Historically Black College ad University (HBCU), to provide an IBM laptop computer to every student.

2002

The Duke Endowment awarded JCSU $3.9 million. That same year, the University was named one of the 'Top 50 Most Wired Small Colleges' by Yahoo Magazine.

2003

The Irwin Belk Complex, a state-of-the-art academic and sports facility, was built.

2005

The Corporate Alliance Program was established as a relationship builder to align corporate interests with University goals and objectives.

2006

The 1867 Giving Societies was established to honor the University's most generous benefactors.

2008

Dr. Ronald L. Carter became the 13th president of JCSU.

2009

The Duke Endowment awarded JCSU $5.7 million, the largest single gift in the school's history, to fund two new programs: the Center for Applied Leadership and Community Development, and the Metropolitan College. In the first phase of a campus-wide improvement program, the Mary Joyce Taylor Crisp Memorial Student Union was renovated, and ground was broken on the JCSU Arts Factory, an innovative teaching and performance facility for students majoring in visual and performing arts.

2011

The JCSU Arts Factory opened its doors for students and the Charlotte community. Ground was broken on Mosaic Village, a mixed-use development featuring living and retail space, as well as on the renovation of the George E. Davis House, a historic landmark that will become headquarters of the Foster Village Network Center. The Duke Endowment awarded a $35-million grant to the University to support science programs, scholarships, and capital improvements on campus. It was one of the largest gifts ever given to a HBCU.

PURPOSE/MISSION STATEMENT

Founded in 1867 under the auspices of the Committee on Freedmen of the Presbyterian Church, Johnson C. Smith University is an independent, private, coeducational institution of higher learning. Located in the rapidly growing metropolis of Charlotte, North Carolina, known as the "Queen City," this historically Black university has a residential campus with a familial atmosphere where students are stimulated and nurtured by dedicated, caring faculty and staff. Consistent with its Christian roots, the University recognizes the importance of moral and ethical values to undergird intellectual development and all endeavors. JCSU believes in the unrelenting pursuit of knowledge and the value of cultivating the life of the mind. The University assigns great significance to the development of self-confidence; the understanding of one's own heritage, as well as an awareness of the cultures of others; the exploration of the myriad forces affecting people of this complex, technological age; and the formulation of a sense of one's role in this schema.

The mission of JCSU is to provide an outstanding education for a diverse group of talented and highly motivated students from various ethnic, socioeconomic, and geographical backgrounds. It offers a liberal arts education in conjunction with concentrated study in specialized fields in preparation for advanced study and specific careers.

The University endeavors to produce graduates who are able to communicate effectively, think critically, learn independently as well as collaboratively, and demonstrate competence in their chosen fields. Further, it provides

an environment where students can fulfill their physical, social, cultural, spiritual, and other personal needs and where they can develop a compelling sense of social and civic responsibility for leadership and service in a dynamic, multicultural society. Likewise, the University embraces its responsibility to provide leadership, service, and lifelong learning to the larger community.

Regarding teaching effectiveness as paramount in its educational enterprise, JCSU is committed to recruiting and retaining an outstanding faculty. To this end, the University promotes faculty development, encourages faculty involvement in research and other creative activities, and endorses the principles of academic freedom.

To ensure the integrity and stability of its status and the perpetuation of its rich legacy, the University has a firm resolve to maintain the fiscal and human resources requisite to be a truly distinctive institution -- a hallmark of excellence in its students, faculty, staff, administrators, academic and other programs, facilities, operations, and environment.

ADMINISTRATIVE STRUCTURE

Board of Trustees

The Board of Trustees exercises final authority over all University governance within the limits of the established charter granted to the institution by the State of North Carolina. The Trustees delegate authority to various divisions of the University through the President. The officers of the University are delegated a portion of the responsibility for functions within the University. Brief descriptions of these offices and responsibilities follow.

Officers of the University

The President of Johnson C. Smith University is the chief executive officer of the institution appointed by the Board of Trustees and is an ex-officio member of the Board. The other officers of the administration are appointed by the Board of Trustees upon the recommendation of the President. The following positions comprise the officers of the University: President, Executive Vice President/Chief Operating Officer, Council of Deans, Vice President for Financial Affairs, Vice President of Institutional Advancement, and Vice President for Government Sponsors Programs and Research/ Director of Title III/Director of Smith Institute for Applied Research.

All officers of the University report directly to the President and through him or her, to the Board of Trustees. Reporting directly to the President are the following positions: Executive Vice President/Chief Operating Officer, Vice President for Financial Affairs, Vice President for Institutional Advancement, Vice President for Government Sponsored Programs and Research/Director of Title III/Director of Smith Institute for Applied Research, Director of Athletics, and Director of Human Resources.

TRADITIONS AT JOHNSON C. SMITH UNIVERSITY

For some 145 years, traditions have developed as a way of commemorating the important role of the University in educating young men and women. They foster a sense of pride and community among those who matriculate.

Founders' Day, generally celebrated in April, commemorates JCSU's founding in 1867. In 1924, the University became the second Black institution in the state to be recognized as a standard four-year college by the North Carolina Board of Education. It is also the first Black college in the South to receive regional accreditation. The first Black intercollegiate football game ever played in this country was between Biddle University (later to be named Johnson C. Smith University) and Livingstone College on December 27, 1892. Biddle University won the game, 4-1, and the game ball is housed in the JCSU Archives.

Homecoming is celebrated each fall by hundreds of alumni and former students. Some of the festivities include alumni meetings and gatherings, dances, the coronation of Mr. and Miss Johnson C. Smith University, pep rallies, Greek step shows, the Homecoming Football Game and tailgating, and the annual Homecoming Parade and Festiville. Gold and Blue Day is traditionally celebrated on the Friday prior to the Homecoming game.

Bullfest is an annual spring festival when students participate in a rich variety of cultural, social, and recreational activities.

International Poetry Festival features poets and poetry from around the world, providing cultural enrichment for the campus and community each spring. It grew out of Humanifest, originally sponsored by the Humanities Division.

The School Colors, Gold and Navy Blue, were selected in 1895 by a committee made up of J. Henry Warren, Walter A. Middleton, and Thaddeus Jerome Coles. The committee researched the meaning of many different colors to select the two most fitting. Gold and Navy Blue were determined to be the most appropriate. The committee found both colors to represent truthfulness and loyalty. After additional investigation, Mr. Middleton noted that Gold depicted truthfulness and loyalty to an institution or organization, while Blue represented truthfulness and loyalty to an individual. These colors were felt to appropriately bind students, alumni, and the University together and were readily adopted when the committee made its report to the faculty and students.

The colors were used for the first time on Easter Sunday in 1895 when they were displayed in every building on campus and in the rooms of boarding students. On Easter Monday, the colors were displayed at the University's first off-campus baseball game. Although not officially organized, the famous "colored" team was known as The Quick Steps and drew support from both the black and white communities.

ALMA MATER (Loyalty Song)

The choice of an appropriate school song was a controversial matter in the 1920s. Rev. O. W. Winkfield (Class of 1911) proposed a song, that although considered to have much merit, was not adopted. Another song, written by George Leonard Allen (Class of 1925) of the Kendall Institute in Sumter, South Carolina, was more highly received. It was reviewed by a professional critic, who noted, "It is a good cheer song for football games and the like, but it has no depth and is not fitted, in its presented state, for a college song." The song was revised to achieve desired depth and to reflect a coeducational student body. It was adopted in 1924. Today it is sung at all formal University events.

Words by George Leonard Allen
Music by R. Tate

I
We love Thee Smith with all our hearts!
To Thee we'll ever be true
And in the light of truth and right
Hold high the Gold and Blue.

Refrain: Proudly we hail thy name, our Alma Mater, Old S.U.
Johnson C. Smith, our own!
Our hope, our guiding star, our light unfailing!
Pride of our loyal hearts, we'll love and honor thee
Our whole life through
On, ever on! Dear old J.C.S.U.!

II
Fair Smith, where 'er on earth we roam,
Send forth thy constant ray
And let it beam with steadfast gleam
To lead us o'er Life's way.

UNIVERSITY SEAL

The University Seal depicts the institution's founding date of 1867 and the Latin words SIT LUX, which mean "Let There Be Light." The seal certifies the authenticity of University documents.

Johnson C. Smith University Mascot: THE GOLDEN BULL

PUBLICATIONS

The *Johnson C. Smith University Catalog* and other admission materials are published by the University.

The Bull, the yearbook, is published annually by students.

The Bulletin and the *President's Report* are published by the Office of Communications and Marketing

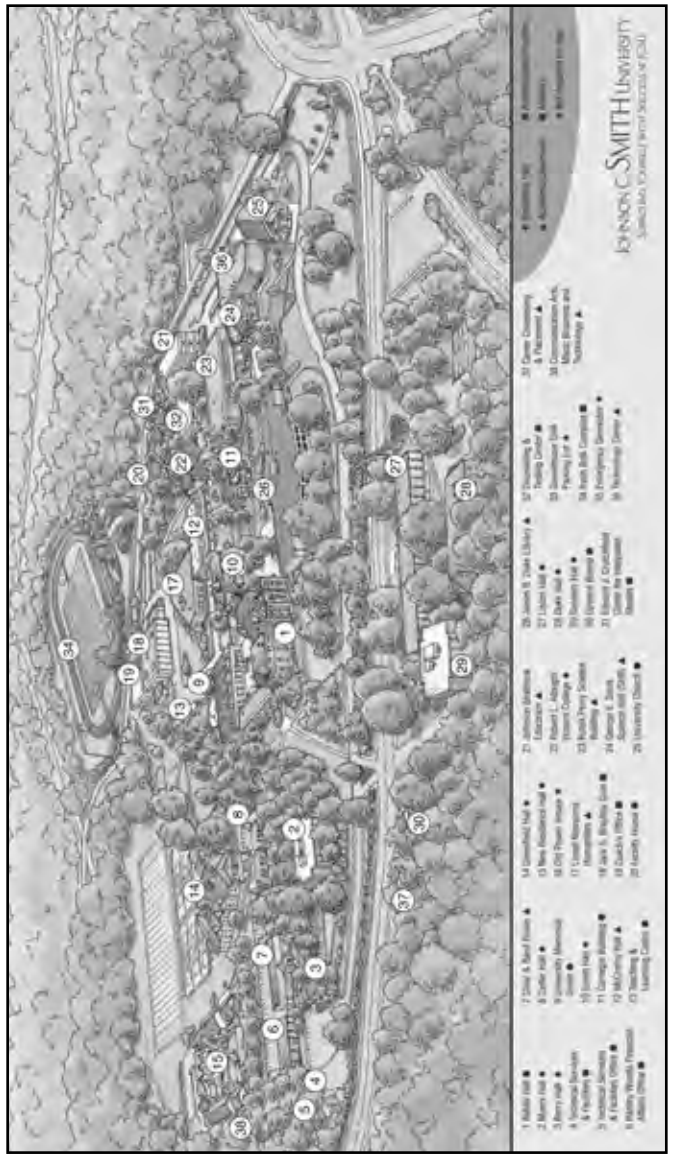
The Bulls Eye, The JCSU Student News, the campus newspaper, is published periodically during the school year by students and the Communication Arts program.

The Student Handbook is published by the Office of Student Development as a guide to student life at the University and explains in detail various rules and procedures that students must adhere to.

The Treewell is a literary magazine published by the Department of English and Foreign Languages.

The Historically Black Colleges and Universities Undergraduate Program (HBCU-UP) Community of Research Journal is published annually.

CAMPUS MAP



Johnson C. Smith University is located at 100 Beatties Ford Road near the intersection of West Trade Street, Fifth Street, and Rozzelles Ferry Road in Charlotte, North Carolina. Charlotte is served by major airlines, by Greyhound-Trailway buses, and by Amtrak. The campus is easily accessible from Interstates 85 and 77.

BUILDINGS

Counseling and Testing Center, is housed in the bungalow Mrs. Johnson C. Smith built for her campus home in 1926 and was later christened "Our University Shrine" by alumni.

Biddle Memorial Hall, a historic site constructed in 1883, is the "heart and soul" of Johnson C. Smith University. It contains the administration offices of the University, conference rooms, and classrooms. The building consists of four stories, and a basement. Biddle Memorial Hall is located on the highest knoll of the campus and may be seen from almost any section of the city. Newly renovated, Biddle has an elevator, a remodeled 471-seat auditorium, additional computer labs, and a stronger infrastructure.

Carter Hall, built in 1896, is a residence hall. The original building was a gift of Miss Laura Carter of Geneva, New York. In 1995, the building was completely modernized on the inside, leaving the outside walls to retain the original architecture. It houses 99 students and contains a lounge, recreation area, and living quarters for the director.

Johnson C. Smith Memorial Hall, built in 1922, accommodates 47 students. The first level of Smith Hall serves as headquarters for Residence Life staff. The building was named for the late Johnson C. Smith of Pittsburgh, Pennsylvania.

Berry Hall, a residence hall constructed in 1924, stands at the northern end of the campus. It has three stories, and a basement. This residence hall, which was given in memory of the late Mrs. Smith's parents, has a reception parlor and houses about 50 students.

The James B. Duke Memorial Hall, the first residence hall to be constructed on the campus for the housing of female students, is located across Beatties Ford Road on the west side of the University campus. The three-story building, built in 1941, houses 101 students, the director's office, laundry facilities, storage rooms and a refurbished Parlor area. This building currently houses the Campus Police Department and is unavailable for student occupancy.

Carnegie Hall, which housed the library from the date of its construction in 1911 to 1967, is currently housing the University's HBCU-UP Program.

The Jane M. Smith Memorial Church, located near the former entrance to the campus, was a gift of Mrs. Jane Berry Smith. This beautiful building, erected in 1928, provides space for religious, cultural, and social activities.

Johnson Cottage, built in 1928 as a faculty home by Mrs. Johnson C. Smith and named after her husband's mother, Mrs. Margaret Johnson Smith, it was restored in 1998 and currently houses the Career Services and the Office of Cooperative Education and Internship.

Smith Cottage, built in 1922 as a faculty home by Mrs. Johnson C. Smith and named after her husband's father, Mr. James Smith, was restored in 1998 and currently is the Alumni House.

The Henry Lawrence McCrorey Memorial Building, dedicated on November 12, 1955, was formerly the administration building for the School of Theology. It was erected from funds raised by alumni, churches in the Catawba, Atlantic, Blue Ridge, and Canadian Synods, local friends, and the Building Fund Campaign of the Presbyterian Church, U.S.A. It contains three stories, including space for classrooms, offices, and the Social Science Lab.

The Hartley Woods Hall, a gift of Mrs. Jane Berry Smith, was built in 1928 and was the original campus gymnasium. It is currently being utilized by the University Choir.

The Jack S. Brayboy Gymnasium, was completed in 1961. It is a split level brick and steel structure with a main playing floor, a seating capacity of 2500, two lobbies, and accessory equipment and storage rooms on the upper level. On the lower level are five instructors' offices, two classrooms, the main equipment and storage rooms, and the main physical education locker and towel rooms. A glass-enclosed corridor connects the Pool Building with the lower level of the gymnasium. The swimming pool, which is seventy-five feet long and forty-two feet wide, meets indoor Olympic regulations. The depth of the pool ranges from three to ten feet.

Liston Hall, constructed in 1962, is a residence hall. Of modern design, the building will accommodate 144 students. It has two lounges, a computer laboratory, and other facilities adequate for convenient living. The building was named in memory of Dr. Hardy Liston, who served as president of the University from 1947 until his death in 1956.

Mary Joyce Taylor Crisp Student Union is the community center of the University's students, staff, faculty, alumni and their guests. Offices located in the Student Union include the Student Government Association, Student

Activities, Golden Bulls Activities Committee, University Health Center, and FDY, Inc. (food service). Services housed in the Union include the University Cafeteria, Faculty/Staff Dining Room, Post Office, Bookstore, The Bullpen (student lounge featuring Papa John's Pizza) and other meeting and program facilities. Grimes Lounge is located upstairs in the Student Union.

The James B. Duke Memorial Library, located near the center of the campus, is available to JCSU students, faculty, staff, and the extended university community. It is open seven days a week. The library is an integral part of Johnson C. Smith University and provides programs and services in support of the mission of the University. The library offers educational resources in print, audiovisual, electronic, and micro formats, etc. Materials not available in the library may be obtained through interlibrary loans. Through numerous vendors, including NCLIVE North Carolina (statewide information network consortium), JCSU students and staff have access to thousands of electronic books, journals, and magazines. Through classroom instruction, group and individual sessions, as well as the library website, the library provides a strong training program on the usage of library resources and on accessing electronic information. The newly constructed state of the art library provides 430 seats that are equipped with full access to the information network of the University. The library also provides specialized facilities, i.e. Modern Communications Room for video/data projection, Learning Lab for media production and viewing/listening stations, Information Literacy Classroom, Curriculum Lab, Archives, and conference/study rooms.

Myers Hall, completed in 1967, accommodates 120 students. A modern four-story structure, the building has on the first floor an apartment for the director, a two-room suite for counselors, lounge, a computer laboratory, TV room and laundry facilities.

Sanders Hall, built in 1967, accommodates 119 students. The four story building has on the first floor two apartments (one for the director), a snack bar, a grooming room, laundry facilities, and a computer laboratory.

The Science Center is composed of the George E. Davis Science Hall, constructed in 1923, and the Rufus Patterson Perry Science annex, completed and occupied in September 1968. This tri-level structure was dedicated on April 2, 1978 in honor of the eighth president of the University, Dr. Rufus P. Perry. The Science Center is fully equipped for teaching and research, and has classrooms, offices, and laboratories which facilitate experimental work in chemistry, the life sciences, mathematics, physics, earth science, psychology, and information technology.

The Johnson/Seabrook Education Building and Mary Irwin Belk Center was built in 1976 to house the Departments of Business/Economics and Education. Major donors who contributed to the facility include: The Belk Family Foundation; Department of HEW Higher Education Facilities;

the Kresge Foundation; Observer Charities and the Z. Smith Reynolds Foundation. This facility now houses the Mobile Computing Center, Student Support Services, and the Academic Center for Excellence.

Greenfield Hall, a residence facility of modern design, housed its first students in 1984. The building houses 213 students. On the main floor is the office of the Residence Coordinator, the main lounge and a vending area. The building's library and two conference rooms are located on the third floor where residents have the opportunity to interact within the building. The lower level houses the laundry room and storage area. The building is named for the former president of the University, Dr. Wilbert Greenfield, who served from 1972 to 1983.

The Lionel H. Newsom Humanities Building, completed in 1986, is a classroom facility with faculty offices. Of modern design, the building contains 21 offices, 10 classrooms, a computer laboratory, a language laboratory, a lecture hall, a conference room, and a staff lounge. The building is named for the ninth president of the University.

The Robert L. Albright Honors College Center, constructed in 1990, was previously a residential facility. It has recently been retrofitted to accommodate the Metropolitan College which encompasses the Adult Degree Program program as well as the Biddle Institute. It is a multifunctional building that houses seminar rooms, a computer laboratory, special guest quarters, conference rooms and a foyer. Additionally, there is a living room and dining area in which notable art works are displayed. This building is named for the University's eleventh president.

The Faculty Center, constructed in 1991, is a multi-purpose facility of modified Georgian design. It has a living room, leisure activities rooms, a dining area, and library on the first floor. On the second floor are four faculty studies, the Executive Study, the President's study, and the Faculty Development Center.

The Edward E. Crutchfield Center for Integrated Studies, constructed in 1993, is a facility designed to support faculty activities in integrated studies. Conference facilities, faculty studies, and research areas are available.

The Teaching and Learning Center houses support programs for the University.

The Johnson C. Smith University Technology Center: The Johnson C. Smith University Technology Center, constructed in 1997, is a three-story, 23,000 sq. ft., high- tech facility. The Center has nine high tech computer telecommunications and electronics state-of-the-art laboratories. It is designed to offer high tech education for Johnson C. Smith University students. It is also designed to support both student and faculty research in the new era of information technology and telecommunications revolution. In addition, the Center hosts a teleconferencing facility, technical library, classrooms, and an auditorium.

The Communication Arts and Music Business Technology Building was constructed in 1997 to be used as the temporary facility for the University Library. It has been renovated and now houses the Visual, Performing and Communication Arts Department.

The New Residence Hall, constructed in 1994, is a modern cloister courtyard complex. The co-ed living facility includes single room occupancy, comprised of six (6) bedrooms, two (2) baths, living room, kitchenette and dining area in a townhouse setting. Each bedroom in every suite offers a private telephone, cable TV outlets and a spacious closet for personal belongings. This new complex features a large theater style community room, a computer room which overlooks a living room complete with a gas fire place, laundry facilities, office, full kitchen and a private reading room. This magnificent facility houses 210 students.

Irwin Belk Complex serves as both an academic and athletic facility. It is home of the Golden Bulls football and track teams and also features a state-of-the-art dance studio, locker and weight rooms and multi-media classrooms for the Health and Human Performance Department. The 4,500-seat stadium gives an intimate setting for the JCSU family and a user-friendly atmosphere for the community.

Healthplex Center: The University's recently-opened HealthPlex Center is a 5,750–square-foot addition to the swimming pool building next to Brayboy Gymnasium. The Center includes a large exercise area with state-of-the-art exercise and weight-lifting equipment and a group fitness room where yoga, Pilates, and other classes can be held. There is also a multi-purpose room with a kitchenette for presenting healthy food preparation and nutrition programs. Other support spaces include locker rooms with showers, an examination room, administrative offices, and a reception area.

Mosaic Village, Apartments: Mosaic Village is a mixed-use complex consisting of off-campus student apartments, retail space, and a parking deck. The four-story structure can accommodate 300 students, offers multiple amenities, and features 7,000 square feet of retail space, along with outdoor seating. The parking deck has 400 parking spaces and a 3,000-square-foot roof terrace providing an inspiring view of the Charlotte skyline.

The Art Factory (The Johnson C. Smith Visual and Performing Arts Center): The Visual and Performing Arts Center is a 14,000-square-foot building that accommodates the needs of students taking courses in Theatre, Film, Studio Art, Graphics Art, and Dance. It contains a 100-seat black box theater, a painting studio, dance studio, photography dark room, and a smart classroom. There are also spaces dedicated for art preparation and set storage, as well as a green room, sound booth, lighting booth, costume shop, and student locker rooms.

ADMISSIONS

ADMISSIONS POLICIES

Johnson C. Smith University is dedicated to educating individuals whose accomplishments demonstrate a high level of initiative, exhibit principled moral and ethical values, and possess the emotional and social maturity needed to thrive in a scholarly environment. The student who flourishes at the University has a history of academic success, is self-motivated, and is committed to lifelong service to her or his community.

Candidates for admission must submit a scholastic record that shows their ability to do college level work. Fullest consideration is given to graduates from accredited secondary schools with consistent above-average performance.

Each candidate is evaluated on individual merit. Although several criteria are used in determining the admission of each individual candidate, no one criterion is necessarily the most important.

Submission of materially false information in the application or school transcript will subject the student to immediate revocation and termination of his or her acceptance for admission. Such revocation of admission and enrollment shall be made by the Dean of Enrollment Services. An appeal of this decision may be made to the President, whose decision shall be final.

APPLICATION PROCEDURE

Each candidate for admission should submit the following to the Office of Admissions:

1. A completed application accompanied by a $25 non-refundable application fee.
2. An official transcript of his or her secondary school record.
3. Reports of her or his scores on the Scholastic Aptitude Test (SAT) or the American College Test (ACT).
4. Recommendations from guidance counselor, teachers, or community leaders.
5. Personal essay.
6. Transcript evaluation and translation from an official translation service *(International students only).*

Freshman Admission Requirements:

Admission to the freshman class is generally limited to graduates of accredited secondary schools. Applicants should have a minimum of sixteen

units, including four units of English, three units of mathematics, two units of foreign language, two units of social science, and two units of laboratory science. The University reserves the right to modify these requirements.

Deadline for Application Materials:

Spring Semester:	**Nov. 1**
Fall Semester:	**Dec. 1 (Early Decision)** **March 15 (Priority)** **May 1 (Final)**

NOTIFICATION PERIODS

Spring Semester:	Nov. 15 - Jan 1
Fall Semester:	April 1 - May 30 (First-time freshmen) June 1 - June 30 (All other students)

EARLY ADMISSIONS

October 1 - May 30 (First-time freshmen)
October 1 - June 30 (All other students)

Highly motivated, above-average high school juniors and seniors may be considered for admission to the University while concurrently completing their secondary school graduation requirements. Students must have a minimum 3.0 GPA, submit SAT or ACT examination scores, and receive consent from their parents and the appropriate high school official(s).

Project Early Start is an early admission program designed especially for high school seniors in the Charlotte Metropolitan area who are interested in attending JCSU. Students selected for the program remain in their own high school through graduation, while simultaneously completing college-level courses at the University. These courses yield both college and high school credits. Students selected for the program under Track I are provided scholarships for tuition costs and allowed to complete up to six credits during each of the regular semesters of their senior year. Selected students must complete admissions applications for both the University and Project Early Start, provide an official high school transcript, present a minimum grade point average of 3.25, have a minimum SAT score of 1000 (a PSAT score of at least 100 or an ACT score of at least 20 may be substituted for the SAT score), provide two letters of recommendation from high school teachers, and receive parental consent for participation. Early admission programs and Project Early Start may not accept applications each semester. Please contact the Office of Admissions before applying to these programs.

TRANSFER STUDENTS

An applicant from another accredited college or university may be considered for transfer admission to JCSU if the applicant has an overall average of **C** or above. No transfer credit is given for any course in which the applicant has earned a grade below **C**. Each transcript is evaluated on its own merits in light of its conformity with the program of study in the JCSU curriculum. Transfer students with more than twelve transferable credits are not required to submit high school transcripts.

The University generally will accept a maximum of sixty-four credit hours from a junior college, and ninety credit hours from four-year institutions. Credit hours, not grade points, are transferred.

SPECIAL STUDENTS

High school graduates may enter Johnson C. Smith University for the purpose of taking certain courses without becoming candidates for a degree. They will not be subject to the specific requirements for admission but they must prove to their instructors their ability to successfully pursue the courses for which they have registered. Such students may later become candidates for a degree by meeting all entrance requirements. Special students do not participate in intercollegiate athletics or other student activities. They will be subject to the same rules and regulations as regular students.

Applicants who have completed previous college work must be eligible to return to the institution last attended. Final approval for admission is not granted until official documentation is on file verifying high school graduation.

APPLICANTS WITH FOREIGN CREDENTIALS

Students who are not permanent residents or U.S. citizens must submit an application for admission accompanied by the $25 non-refundable application fee. Other documents needed include: a certified translated transcript with verified true copies of originals (colored ink stamp), proof of proficiency in English (submit the Test of English as a Foreign Language Score), notarized Affidavit of Support, and Financial Statement for International Students. All Applicants with foreign credentials must have an official evaluation and translation of transcripts from an official evaluation service.

ADULT DEGREE PROGRAM

Please refer to ***The Metropolitan College*** Section for more information about the Adult Degree Program.

NON-DEGREE SEEKING STATUS

Students entering to take courses for job-related and/or personal enrichment purposes will be enrolled as **Non-Matriculation Students**. They are eligible to take credit and non-credit courses, but they are not seeking a degree and are not eligible to advance toward one. Should a Non-Matriculation Student elect to pursue a degree at a future date, only five credit hours taken may apply toward that degree.

A student is eligible for non-degree status when: 1.) A student is taking courses for self-improvement; or, 2.) A student is completing requirements for a degree at another college or university. (Statements of approval from a designated official must be presented if credit is to be transferred.) Students taking courses for self-improvement do so through the Metropolitan College and may register for either credit or non-credit offerings. A student completing requirements for a degree at another college or university must contact the Office of Admissions for submission of required documentation.

VISITS TO CAMPUS

All prospective students and their parents are invited to visit the University. During campus visits, they have the opportunity to tour the campus, meet students and faculty, attend classes, and meet with an admissions representative. Individual visits and campus tours are conducted Monday through Friday during the academic year and the summer. Arrangements should be made at least two weeks in advance through the Office of Admissions. For appointments, write the Office of Admissions, Johnson C. Smith University, 100 Beatties Ford Road, Charlotte, NC 28216; or call, toll free, 1-800-782-7303.

PART-TIME STUDENTS

Persons who wish to become candidates for a degree and cannot attend classes on a full-time basis may enroll for a reduced number of credit hours as a part-time student. Part-time students must meet the same admissions requirements as full-time students.

READMISSION OF FORMER STUDENTS

Students who have withdrawn in good standing and subsequently seek readmission or who wish to return after a period of suspension must apply in writing through the Office of Admissions. Reentering students must receive notice of approval before they can return to the University.

FINANCES

REGULAR FEES

The fees and charges listed below are applicable to all students for the 2012-2013 Academic Year. In addition to regular fees and charges, a listing of incidental fees is provided in a separate section. Travel, clothing, books, and other personal expenses are not included. However, the cost of textbooks and educational supplies can be expected to average at least $1,700 per year, or $850 per semester. Students will be required to purchase textbooks at the beginning of each semester so they should be prepared for this expense when they arrive. Courses taken on line are $125 per course in addition to the regular tuition cost.

FULL-TIME TUITION FEE SCHEDULE FOR 2012-2013

On Campus	**Per Semester**	**Per Year**
Tuition	$9,118.00	$18,236.00
Room Charge	2,043.00	4,086.00
Meal Plan #1 (Incl. $200 FLEX $)	1,507.00	3,014.00
Total	**$12,668.00**	**$25,336.00**
Tuition	$9,118.00	$18,236.00
Room Charge	2,043.00	4,086.00
Meal Plan #2 (Incl. $100 FLEX $)	1,357.00	2,714.00
Total	**$12,518.00**	**$25,036.00**
Tuition	$9,118.00	$18,236.00
New Residence Hall	2,306.00	4,612.00
Meal Plan #1 (Incl. $200 FLEX $)	1,507.00	3,014.00
Total	**$12,931.00**	**$25,862.00**
Tuition	$9,118.00	$18,236.00
New Residence Hall	2,306.00	4,612.00
Meal Plan #2 (Incl. $100 FLEX $)	1,357.00	2,714.00
Total	**$12,781.00**	**$25,562.00**
Tuition	$9,118.00	$18,236.00
Greenfield Hall	2,190.00	4,380.00
Meal Plan #1 (Incl. $200 FLEX $)	1,507.00	3,014.00
Total	**12,815.00**	**$25,630.00**
Tuition	$9,118.00	$18,236.00
Greenfield Hall	2,190.00	4,380.00
Meal Plan #2 (Incl. $100 FLEX $)	1,357.00	2,714.00
Total	**$12,665.00**	**$25,330.00**
Off Campus	**Per Semester**	**Per Year**
Tuition	$9,118.00	$18,236.00

Meal Plan #1 (Incl. $200 FLEX $)	1,507.00	3,014.00
Total	**$10,625.00**	**$21,250.00**
Tuition	$9,118.00	$18,236.00
Meal Plan #2 (Incl. $100 FLEX $)	1,357.00	2,714.00
Total	**$10,475.00**	**$20,950.00**
Tuition	$9,118.00	$18,236.00
Meal Plan #4 (No FLEX $)	883.00	1,766.00
Total	**$10,001.00**	**$20,002.00**
Mosaic Village Residence	**$3,000.00**	**$6,000.00**

PART-TIME TUITION FEE SCHEDULE FOR 2012-2013

Credit Hours	Per Semester	Mandatory Fees	Total Cost
11 Hours	$4,598.00	$910.00	$5,508.00
10 Hours	4,180.00	910.00	5,090.00
9 Hours	3,762.00	910.00	4,672.00
8 Hours	3,344.00	910.00	4,254.00
7 Hours	2,926.00	910.00	3,836.00
6 Hours	2,508.00	382.00	2,890.00
5 Hours	2,090.00	382.00	2,472.00
4 Hours	1,672.00	382.00	2,054.00
3 Hours	1,254.00	382.00	1,636.00
2 Hours	836.00	0	836.00
1 Hour	418.00	0	418.00

Meal Plans	Per Semester	Per Year
Meal Plan #1 (Incl. $200 FLEX $)	$1,507.00	$3,014.00
Meal Plan #2 (Incl. $100 FLEX $)	1,357.00	2,714.00
Meal Plan #4 (No FLEX $)	883.00	1,766.00

METROPOLITAN COLLEGE FEE SCHEDULE FOR 2012-2013

Tuition Per Credit Hour Per Term	$295.00
Computer Lab Fee Per Term	$25.00
Parking Decal Per Semester	$30.00
On-line Course Fee	$125.00

SUMMER SCHOOL FEE SCHEDULE FOR 2013

Tuition per credit hour	$177.00
Mandatory Fees	
Activity Fee	$46.00
Computer Lab Fee	$114.00
Insurance Fee (not enrolled Spring 2011)	$50.00
Room Charge	$462.00
Board Charge (only one meal plan)	$439.00
Late Registration Fee	$10.00

PAYMENTS

Total semester fees and charges are due and payable in full on or before the start of classes each semester. Any student not making the required full payment of fees and charges will be assessed an additional Late Fee of $25 per month.

Payments should be made no less than two weeks prior to the due date or paid in person at the time of registration. Students are strongly urged to pay in advance to reduce the registration process time. Remittance of money for school expenses can be made by credit card, debit card, certified check, or money order payable to "Johnson C. Smith University." The University does not accept personal checks. Payments can be made online at www.jcsu.edu or mailed to: Business Office, Johnson C. Smith University, 100 Beatties Ford Rd., Charlotte, NC 28216.

Any student desiring an installment arrangement should contact the Business Office for available plans. The Office of Financial Aid will provide information regarding student loans

Part-Time Fees

Students who enroll for **six** or fewer credits per semester will not be entitled to athletic passes, the yearbook, the student newspaper, or the use of the Health Center. Any student who increases their credit load above **six** credits after the initial registration shall be charged all applicable mandatory fees.

AUDITING COURSES

Auditing of courses is open, without credit, to any person who has paid all of the applicable fees. Currently enrolled full-time students may audit courses without additional charges unless total hours exceed eighteen. An auditor is not required to participate in class discussions, to prepare assignments, or to take examinations.

CHANGES IN ENROLLMENT STATUS

If a student does not begin attending all of his or her classes, the University will recalculate the student's federal Pell Grant award based on the lower enrollment status. For example, if a student registers for a full-time course load (twelve hours) but only begins attendance in three classes (nine hours), the student's Pell must be recalculated based on the lower enrollment status. Please note this is different from withdrawing from a class. If a student's aid has been disbursed, and the student can prove attendance in the class, the University will not adjust the student's aid. If aid has not been disbursed, the University will award the student for the hours for which attendance can be verified regardless of a student's charges from Financial Affairs. Students must have a minimum of six hours at the time of disbursement to be eligible for subsidized or unsubsidized loans.

STUDENT ACCOUNTS CREDIT BALANCE REFUND POLICY

All students shall receive a full refund of amounts over the direct cost within fourteen days from the date a credit is posted to their student account. To ensure timely issuance of refunds, students must meet the following criteria:

1. A student's class attendance must be verified prior to financial aid being transferred to the student's account.

2. Part-time student class attendance must be verified prior to receiving credit refund.

3. Financial aid will be transferred after validation and class schedule is confirmed for each semester.

Withdrawal

Students may officially withdraw from the University up to the last day designated on the University calendar to drop classes. Before initiating the withdrawal process, students should consult their advisor to discuss the reason(s) for the withdrawal and to develop a plan for the completion of their degree. To withdraw from the University, a student must obtain a withdrawal form from the Office of Financial Aid or download one from the JCSU web site (www.jcsu.edu). The student should complete the form and take it to the Office of Financial Aid, where a representative will sign the form and send a copy to the Registrar's Office. There the form will be placed in the student's permanent record. Failure to properly withdraw from the University will result in a grade of **F** for all courses for which the student enrolled that semester. If a student receives all **F** grades and it is determined the student was an "Unofficial Withdrawal," the Office of Financial Aid will use the student's last date of attendance before performing any adjustments.

NOTE: All University property the student has in his or her possession must be returned the same day the withdrawal form is submitted.

Changes in Academic Hours

A full-time student is one who is registered for twelve or more hours. Students must pay for all hours in excess of eighteen. A student charged for hours in excess of eighteen at registration must drop these within four calendar days from the first day of registration in order to have charges removed.

A student who is registered for twelve hours or more and decides to reduce the number below twelve must do so within four calendar days from the first day of registration in order to have charges removed. Charges will be computed on a per-credit-hour basis for students officially registered for fewer than twelve hours, and the student will be classified as part-time.

A student who is registered for twelve to eighteen hours and who makes changes that do not make his or her registration greater than eighteen or less than twelve will not be charged for changes in hours.

Academic Dismissal, Disciplinary Dismissal, Submission of Materially False Information

Any student dismissed from enrollment at the University for academic or disciplinary reasons or for the submission of materially false information in an admission application or transcript shall not be entitled to any refund of tuition and fees that have been paid. He or she shall also be liable for any fees that remain unpaid for the semester. Students whose financial aid has been revoked and terminated for submission of materially false information in any application or statement shall be immediately liable for full payment of all fees not previously paid. Students dismissed for the reasons specified, or who have their financial aid revoked, shall save, hold harmless, and indemnify the University with regard to any third-party claim for payment, refund, reimbursement, or other payment of any fees.

SPECIAL NOTICES AND EXPLANATIONS

1. The University reserves the right to increase or decrease all fees and charges and to add or to delete items of expense without advance notice as circumstances, in the judgment of the administration, may require. The University is not contractually obligating itself to any fees specified herein, but merely sets these out as estimates of approximate cost.

2. The official date for a student to withdraw from the University is the last date of class attendance as recorded and reported by the instructor. The withdrawal forms are filed with the Office of Financial Aid.

3. Room and board rates include provision for services only during the scheduled operational days. Therefore, allowances have been made for the Christmas Holiday when the facilities are closed. Every student must vacate the campus premises during this vacation period.

4. The University is not responsible for theft or damage to any student's personal property arising from any cause.

5. Students, who through malicious or negligent conduct, lose, damage, or abuse University property will be subject to disciplinary action and be required to pay the replacement costs for such loss or damage.

6. Personal spending money or allowances should be sent directly and made payable to the student in the form of money orders or certified checks. The University does not cash personal checks for students.

7. All students are required to satisfy their financial obligations to the institution before the first day of class of each semester. Students who fail to meet their obligations or do not make satisfactory arrangements for payment with the Business Office will be dismissed from the University at that time for non-payment of fees. The diploma and transcripts of records will also be withheld until the student has paid in full all fees and charges due the University. Students will not be allowed to register for any subsequent semester until the obligation has been satisfied.

8. Student teachers who are boarding students at the University will be granted an adjusted meal plan for weekends only. This plan will include brunch and dinner.

9. Students are responsible for personal laundry and dry cleaning.

10. Cooking or the use of electrical or mechanical cooking appliances in the University residence hall rooms is prohibited. However, students are permitted to cook in the kitchen of those residence halls with a kitchen facility.

11. No student whose indebtedness to the University is overdue, in arrears, or in default will be permitted to join a fraternity or sorority

STUDENT FINANCIAL AID

Johnson C. Smith University administers an extensive financial aid program that provides financial assistance to more than 80% of its student body. Financial assistance is offered to all eligible and admitted students as long as they are meeting the Satisfactory Academic Progress Standards. Financial assistance from the University is to be viewed only as supplementary to the cost of education and not a replacement. Types of assistance include scholarships, grants, loans, and work. Additional information is available from the Office of Financial Aid

FINANCIAL AID

The objective of the Financial Aid Program is to meet the direct educational cost (tuition, fees, on-campus room and board) less the family contribution, as determined by the Free Application for Federal Student Aid (FAFSA).

Students who apply for aid by our published deadline will receive an aid package composed of grants for which they may be eligible, part-time employment, and loans. All dependent students will be awarded a parent loan. If a parent loan is denied, the parents are expected to pay the difference.

The promptness of the response from the Office of Financial Aid depends upon the applicant. Students, parents, stepparents, and guardians should

provide all requested information as promptly and accurately as possible and notify the office of the details of any significant changes in their financial circumstances during the year. Students who wish to receive federal or state aid or scholarships are required to apply each year.

Most awards are based on need. Because a student's need varies from year to year, an award for one year is no assurance that an equal amount of assistance will be provided in the succeeding year. There may be variations in the amount of assistance from year to year because of changes in student resources, family financial circumstances, cost of education, or changes in aid policies and/or federal and state funding.

Eligibility for Student Financial Aid

Students must be making sufficient academic progress to remain eligible for student financial aid. Students receiving financial aid are required to maintain a minimum grade point average according to the number of credit hours completed. Students will be eligible for financial aid to repeat a course only one time per course. Recipients who fail to maintain the required grade point average will have their financial aid awards terminated. Financial aid will be reinstated once the student reaches the minimum requirement as specified in this policy or an appeal for reinstatement has been approved. Summer School attendance provides the only exception to this policy.

Transfer students must meet the same requirements as regular students to be eligible for financial aid. Transfer students who are in default of their federal Stafford Loans at another institution are not eligible to receive financial aid of any kind at JCSU. Various programs offered through state agencies carry eligibility requirements that include satisfactory academic progress.

How to Apply

1. Read the description of the financial aid programs in this catalog carefully.

2. The FAFSA should be completed online as soon as possible after January 1 and mailed prior to March 1. For the North Carolina Student Incentive Grant Program, it is especially important to file the FAFSA by February 15, and students who have substantial financial need are strongly urged to file as early as possible. Applications completed and submitted by March 1 will be considered the highest award priority group. Students who apply early and accurately will receive assistance on an "as funds are available" basis. Freshmen and transfers may apply as early as they wish but will not be considered until after the student has received a letter of acceptance from the Office of Admissions.

3. Students selected for verification must complete all steps required. Until verification is successfully completed, a

student may not receive an award letter. *If a student is awarded aid based on a previous transaction in which a student is not selected for verification, and then a correction is made which requires verification, the original award is null until verification is complete.*

4. Notifications of financial awards are mailed to the student. Award letters are dated and usually have a 20-day response time. Changes in federal, state, and institutional policy could affect information printed in this catalog. Contact the Office of Financial Aid for updated information.

Withdrawal from the University (Return of Title IV Funds)

When a student officially withdraws, the University will adjust the student's account based on the student's last date of class attendance. The student's tuition, fees, and room and board are adjusted according to a calculated percentage. The student is obligated to pay for all tuition and non-refundable fees assessed through the last date of class attendance (earned portion of charges). The University will return to the appropriate financial aid programs and outside agencies any aid provided to the student for the portion of the semester that the student did not attend (unearned portion of aid). The student (or parent in the case of PLUS refunds) will be responsible for repaying any unearned aid distributed to the student. The student will be notified in writing what the obligation (if any) is to the U.S. Department of Education. If the student does not make satisfactory payment arrangements with the U.S. Department of Education within thirty days of notification, the student will not be eligible for financial aid at any other school. The University will return to the student or scholarship foundation any cash or awards credited to the student's account in excess charges. If the student does not officially withdraw, the University will identify the student's last date of class as if 50% of the semester has expired. The student's account will be appropriately adjusted, and the amount of funds to be returned calculated. Please review the University's academic calendar for the last date adjustments may be made. All non-federal funds will be refunded 100% up to the last date to add a class. For withdrawals after the last date to add a class, the student's tuition, fees, and room and board will be adjusted for the cost of attendance.

Withdrawal and Refund Policy

After a student withdraws from JCSU, a fair and equitable refund will be calculated according to JCSU refund policy. According to Federal guidelines, **the amount of refund due to the financial aid programs must be repaid before a refund will be made to the student or parent.**

Student Rights and Responsibilities

Students have the right to:

- Obtain information about the student aid programs available at JCSU.
- Apply and be considered for aid.
- Request an explanation of any phase of the financial aid process.
- Request special consideration if their family's financial circumstances change significantly. (Contact the Office of Financial Aid for instructions.)
- Appeal financial aid award or denials based upon academic progress or enrollment requirements.

Students have the responsibility to:

- Complete all forms accurately and submit them according to scheduled deadline dates.
- Reapply for aid each year.
- Honor the policies and procedures stated in the JCSU catalog and the Student Handbook.
- Inform the Office of Financial Aid of any personal changes, such as increase or decrease in financial resources, change in name, and/or withdrawal or transfer from the University.
- Enroll for the necessary number of credit hours and attend the classes.
- Repay loans in accordance with repayment schedules.
- File any deferments that are necessary for prior loans from different schools.
- Contact the Office of Financial Aid if they are in default.
- Provide any additional information as requested by the Office of Financial Aid.
- Officially withdraw with the appropriate Departments to terminate enrollment

Students having any objection to the above information can submit a letter to the JCSU Director of Financial Aid. The Director will review the student's concern and respond to the student in writing. As a general rule, the deadline for all applications is April 15 of each year. Applications are accepted after this date for students who are admitted after April 15.

Repeated Course/Incompletes

For purposes of receiving federal funds under Title IV Student Financial Aid Programs, students receiving incompletes and/or repeating course work must, to the extent possible, successfully make up those credit hours within the subsequent semester of enrollment. Consideration will be given in cases where such coursework is not offered in the subsequent semester. Extensions of time may be granted by the Council of Deans.

FINANCIAL AID PROGRAMS

In all cases, students must be working toward degree/graduation requirements. Individuals taking more than six academic years in succession to complete the necessary requirements may be refused financial assistance. Each student's case will be reviewed by the Committee on Academic Standards to determine the progress made toward the completion of degree requirements.

Pell Grant

The Pell Grant is a federal entitlement program that provides funds to students pursuing a first undergraduate degree. To be eligible, the student must have an eligible Pell Grant Index (PGI) or Estimated Family Contribution (EFC). The Student Aid Report (SAR) is sent to the student's home address or student's email. All transaction copies of the SAR are sent to the Office of Financial Aid after the signature pages are completed, either electronically or on paper. The student is awarded a Pell Grant based upon the student's EFC. Pell awards that are estimated (contingent upon verification) may change after it is awarded. If a Pell has been disbursed and a student has not attended class at any status, the grant may be prorated to the status the student has actively been attending.

Supplemental Educational Opportunity Grant (SEOG)

The Supplemental Educational Opportunity Grant (SEOG) is a federal program for undergraduate students who demonstrate financial need. These funds are administered on a first-come, need basis. The SEOG program was established to assist in making the benefits of postsecondary education available to qualified students who, for lack of financial means of their own or of their families, would be unable to obtain such benefits without the grant. SEOG awards are made to students with the greatest need and are given only to students who receive a Pell Grant. The grant can range from $200-$1,500 per academic year to enable an equable distribution for the demand for assistance. The deadline for Pell-eligible students to be considered for this grant is March 1.

Teacher Education Assistance for College and Higher Education Grant (TEACH)

Through the College Cost Reduction and Access Act of 2007, Congress

created the Teacher Education Assistance for College and Higher Education (TEACH) Grant Program that provides grants of up to $4,000 per year to students who intend to teach in a public or private elementary or secondary school that serves students from low-income families.

Federal Work-Study

The Federal Work-Study Program provides part-time employment to eligible students who are enrolled at JCSU. Students earn at least minimum wage for the actual hours worked. Earnings are limited to the amount indicated on the student's award letter. Students are expected to perform the work that is agreed upon when accepting the award. This program gives students a chance to earn money to help meet their educational expenses. Students are employed on campus by a variety of Departments and Offices, with the typical student working approximately 10-20 hours per week. Students participating in this program must be enrolled full-time.

All student employees, upon being assigned employment, must present proper documents to verify identity and employment eligibility as required by the Federal Immigration Reform and Control Act of 1986. Original documentation must be presented on or before the first day of employment.

North Carolina Need-Based Scholarship

The State of North Carolina appropriates scholarship funds each year to assist residents of the state. This scholarship is based on the student's estimated family contribution (EFC) and enrolling in the institution as a full-time student by October 1 for the fall semester or 10th classroom day in the spring semester.

North Carolina State Incentive Grant (NCSIG)

Full-time students who are legal residents of North Carolina may apply for this grant. Funds are awarded, in amounts up to $700 per year, to students who demonstrate full Pell eligibility. The program is funded by the State of North Carolina and administered through the College Foundation, Inc. Students may apply by completing the FAFSA form before February 1. The College Foundation will notify the Office of Financial Aid and eligible students the amount of the grant. A check is forwarded to the institution for each student.

North Carolina Education Lottery Scholarship

The North Carolina Education Lottery Scholarship (ELS) was created by the 2005 General Assembly to provide financial assistance to needy North Carolina students attending eligible colleges and universities located within the state. The value per grant will vary according to information generated from the Free Application for Federal Student Aid application. Scholarships range from $100 to $2,500 for the year.

Institutional Aid Program

JCSU administers various types of academic scholarships that are awarded based on academic achievement (3.2 or better GPA is required). They are designed to recognize, encourage, and assist men and women who demonstrate leadership potential in a chosen field of study. Financial need generally is not a factor in making these awards, although the amount of the award assigned to each winner will vary with financial circumstances of the recipient. Funds for these awards are made available through endowments contributed by concerned individuals and organizations.

The cumulative grade point average of each academic recipient, with the exception of entering freshmen, will be reviewed at the end of each semester. The grades of entering freshmen will be reviewed at the end of the academic year. Failure to maintain scholarship criteria will result in the loss of scholarship funds. Entering freshmen are offered scholarships based upon SAT and ACT scores, class rank, and high school GPA. University policy states that students may not receive a refund credit from any institutional aid. This credit will be returned to the University.

A limited number of academic scholarships are offered in the freshman year. Recipients are selected from high school seniors with very high scores on the Scholastic Aptitude Test (SAT) or American College Test (ACT) and exceptional high school records. Scholarship recipients who maintain the highest cumulative averages will be considered for renewal. All other scholarships are awarded by July 1 for the next academic year. Students interested in academic scholarships should pick up an application from the Office of Financial Aid by April 1. The deadline to return completed scholarship applications is May 1. All freshman applicants are automatically considered for available scholarships. These funds are based on availability from the donor.

Contact the Financial Aid Office for additional information on scholarship criteria, award amounts, and other scholarship opportunities.

Athletic Scholarships

Physical education, health, and athletics are considered integral parts of the total educational program offered at JCSU. The University is a member of the Central Intercollegiate Athletic Association, the National Collegiate Athletic Association, the National Association of Intercollegiate Athletics, the American Tennis Association, and the National Intramural Association. A limited number of athletic scholarships are available.

Music Scholarships

Music Scholarships are available to students who demonstrate exceptional skills in band and choir. Either the University's Band Director or Choir Director must recommend recipients for these scholarships. University

policy states that students may not receive a refund credit from any institutional aid; this credit will be returned to the University.

Grants-In-Aid

This particular grant is designed to meet the needs of student athletes at the University. Individual coaches determine the amounts offered. It is an institutional policy that all athletes maintain a 2.0 cumulative GPA in order to participate in any sport.

They are also available to students with musical ability. They are given for performance in football, basketball, track, tennis, golf, softball, or volleyball as well as for involvement in band or choir. Recipients must be recommended by the appropriate coach or director to either the Athletic Director or the Council of Deans, as appropriate. No grant-in-aid will be effective, finalized, or enforced until such time as the agreement is fully executed by the Vice President for Financial Affairs and the University President.

All grants-in-aid are based on students maintaining certain expected levels of academic performance and program participation as defined by each program. Student performance is evaluated at the end of each semester, and students failing to maintain the required levels of performance will lose the grant-in-aid for the next semester. There is no appeal of the grant-in-aid review. Once lost, grants-in-aid can only be renewed by the full execution of the nomination and approval process outlined above. University policy states that at no time can any student receive a refund of a grant-in-aid.

Tuition Remission

Individuals who are immediate family members of employees are eligible to apply for remitted tuition. In all cases, children of employees are requested to apply for financial assistance. This will ensure that the University will equitably distribute its available funds for remitted tuition. A tuition remission form must be completed and then approved by the Business Office.

Charlotte Incentive Grant Award (CIGA)

CIGA is granted to students who graduate from a high school in Mecklenburg County with a GPA of at least 2.5. In some instances, Central Piedmont Community College transfers are eligible for this grant. If a student's direct cost is covered by an internal/external scholarship, no CIGA scholarship will be given.

Family Scholarship

Siblings who are currently enrolled receive a 10% discount on their direct cost. If the direct cost is covered by an internal/external scholarship, no family scholarship will be given.

United Negro College Fund Scholarships (UNCF)

Several UNCF scholarships are available to students. Students may find additional scholarship information at www.uncf.org. All applications require at least one letter of recommendation and an essay. In addition, an official transcript and a financial need statement are required.

Parent Loans for Undergraduate Students (PLUS)

The PLUS program is a non-need based loan that is available to parents who may borrow up to (but may not exceed) the cost of attendance per year for each dependent undergraduate student, minus other financial aid. These funds may be borrowed in addition to funds borrowed under the student loan program. Parents begin repaying the loan within sixty days after the second disbursement of funds for a particular academic year.

Interest rates for all loans vary from year to year. Each borrower is informed of the interest rate at the time of borrowing funds, along with the repayment schedule and amount of interest to be paid by the U.S. Department of Education.

Parents send completed information forms to the Office of Financial Aid. The information is submitted for approval, and if approved, the loan is originated. The parents are required to sign their master promissory notes electronically. Once the signed master promissory note is received, funds are drawn down and applied to the student's account.

Once a master promissory note has been signed, it is used for multiple loans under the same MPN for more than one academic year. Parents may apply online via Direct Loan's Website: www.studentloans.gov.

Stafford Student Loan Program

Stafford Student Loans are provided by the U.S. government directly to students. To receive a subsidized Stafford Loan, a student must demonstrate financial need. Students can defer payments until after graduation by capitalizing the interest. Capitalization adds the interest payments to the loan balance, increasing the size and cost of the loan. Repayment begins six months after the student graduates or drops below half-time enrollment. The standard repayment term is ten years, although access to alternate repayment terms is available by consolidating the loans.

The Alternative Loan

The alternative loan is another source of funding for dependent students whose parent(s) may not be eligible for the PLUS Loan or for independent students who have no other form of support for additional funding. These are called alternative because students borrow from sources outside the college and the U.S. Department of Education. These loans are based on credit approval, and repayments begin six months after the student leaves

the University. The student must be at least part-time in a degree-seeking program and can borrow up to the cost of attendance minus other financial aid.

Federal Perkins Loans

A Federal Perkins Loan is a low-interest loan for both undergraduate and graduate students with financial need and is administered by Johnson C. Smith University. These loans are available to full-time undergraduate students, dependent upon the extent of the student's need and the availability of funds. A student may borrow $4,000 for each year of undergraduate study, totaling no more than $20,000. The Office of Financial Aid reserves the right to adjust or cancel this loan based on new information received. The Perkins Loans is reserved for direct costs. Refunds cannot be generated from this federal fund. Proposed regulations may affect the future of this fund.

District of Columbia College Access Program (DC-CAP)

This program provides college "last dollar" award scholarships of up to $2,000 per year (up to five years), to Washington, DC public high school students to help make up the difference between a student's resources, financial aid, and actual college expenses.

DC Leveraging Education Assistance Partnership Program (DC-LEAP)

These are need-based, undergraduate study grants for Washington, DC residents of up to $1,000 per year. These grants can be used at any post-secondary institution in the country. LEAP awards must be reapplied for each year.

DC Tuition Assistance Grant (DC-TAG)

The DC Tuition Assistance Grant provides up to $2,500 per year for five years. These funds assist with the financial difference between in-state and out-of-state tuition at participating public colleges throughout the U.S. A student must be a resident of Washington, DC.

DC Adoption Scholarship (ADOPTION)

The DC Adoption Scholarship assists District of Columbia students who were adopted from the DC Child & Family Services agency after October 1, 2001 and students who lost one or both parents as a result of the events of September 11, 2001. The DC Adoption Scholarship awards up to $10,000 toward the total cost of attendance at eligible colleges and universities, The Adoption Scholarship is neither need nor merit-based. It is based on outstanding financial need, after the deduction of other forms of student aid from the college or university's cost of attendance.

Pennsylvania Higher Education Access Grant (PHEAA)

This program provides need-based state grant assistance of up to $3,900 per year. The PHEAA grant program is funded by the State of Pennsylvania and is administered by the Pennsylvania Higher Education Assistance Agency (PHEAA). Students receive up to eight full-time semesters of PHEAA Grant assistance or sixteen semesters of part-time assistance.

Outside Scholarships

Scholarships funded from other sources outside the University are administered in accordance with guidelines from the donor. Any student receiving an outside scholarship is required to inform the Office of Financial Aid of the source and the amount of the scholarship. This amount is on the student's award notice.

Other Forms of Educational Assistance

Other sources of financial aid not administered by the Office of Financial Aid are available to assist students in meeting their educational expenses. Assistance from outside agencies or programs may provide the full amount needed by the student, or it may be combined with an award from the University to meet this need. Information about other forms of aid will be made available upon request.

POLICY STATEMENT ON INSTITUTIONAL SCHOLARSHIPS

While Johnson C. Smith University is committed to providing needed scholarship funds to students, resources that are currently available can only be appropriated to assist in covering direct educational costs. These costs may include tuition, fees, room and board (when applicable), and books. Additionally, financial assistance provided through the University is based on need. The need factor is determined by the amount of financial assistance and available resources a student receives, subtracted from the institution's budget established for the student. Gift aid and/or scholarships that are packaged with other federal or state aid or are singularly awarded may not exceed financial need. Therefore, if a student receives additional financial assistance from any outside source, the University reserves the right to reduce the amount of gift and/or scholarship assistance accordingly.

JCSU scholarships may consist of funds that the University has solicited from external agencies. Examples include UNCF Scholarships and Duke Scholarships. Students receiving such external scholarships may have their original awards adjusted to prevent total scholarship awards from exceeding demonstrated financial need. Specific reasoning for such adjustments pertains to the availability of funds and the equitable distribution of funds to all students who have proven academic excellence.

The cumulative grade point average of each academic scholarship recipient, with the exception of entering freshmen, will be reviewed at the end of each semester. The grades of entering freshmen will be reviewed at the end of the academic year. Failure to maintain scholarship criteria will result in the loss of scholarship funds. University policy states that students may not receive a refund credit from any institutional aid. This credit will be returned to the University.

JOHNSON

ACADEMIC REGULATIONS

REGISTRATION

All students must register at the beginning of each semester whether or not they were in residence the preceding semester. Students are required to register on the days indicated in the University Calendar. New students will be advised regarding courses and registration procedures during orientation sessions at the beginning of each semester.

Changes in Registration

Students who find it necessary to change their program of study by dropping or adding a course must make the change through the Registrar's Office using the designated forms. For any change, the student must obtain the permission of her or his academic advisor. **All program change requests should be completed by the deadlines designated in the University Calendar**, which is published in the University Academic Catalog and on the JCSU web site (www.jcsu.edu). The Calendar is also available from the Council of Deans' Chambers. The adding of courses must be completed before the time for making changes expires unless there are extenuating circumstances.

Changes in Address

Written communications to students are sent to the student's address of record. All address changes must be made in writing and submitted to the Registrar's Office.

Maximum Load

During a semester, a student may not enroll for more than eighteen hours, unless that student has a 3.0 Grade Point Average (GPA) or has approval from the Council of Deans. Such students may apply for additional credit hours, but they are not to exceed a total of twenty-four hours. Forms to enroll for more than eighteen hours may be obtained at the Council of Deans' Chambers.

The student is responsible for the cost of any course(s) that exceed eighteen hours. All students must contact the Business Office for overload tuition charges.

Course Offerings

The University reserves the right to add, delete or cancel courses as it deems necessary. There will be no partial refund of any fees as a result of course cancellations unless the student decides to continue as a part-time student.

GRADES AND CREDIT

Symbols

The quality of a student's work in a course must be reported to the Registrar's Office by the use of the following grades: **A, B, C, D, P, F, FN,** or **I. A** denotes excellent scholarship; **B**, good; **C**, fair; and **D**, poor. Work reported with a grade of **D** cannot be raised to a higher grade by examination. **F** indicates failure; a student receiving such a grade may repeat the course. The grade of **FN** indicates failure due to non attendance. A student who has attended a class at least once, but did not continue attending and failed to officially withdraw or drop the class, may receive this grade. The grade **I** indicates that coursework has not been completed and that the student did not withdraw from the class.

If a student does not enroll at the University within two years after receiving an **I** grade, the grade becomes permanent, designated by a **Z**. A student who officially drops a course will receive a grade of **W**.

The University's grading symbols are accompanied by the following numerical equivalents: A (90-100); **B** (80-89); **C** (70-79); **D** (60-69); **F** (Below 60).

Quality Points

Quality points are determined by multiplying the number of credit hours a course yields by the quality point value of the grade. Quality points are computed as follows: **A,** 4 points for each credit hour; **B,** 3; **C,** 2; **D,** 1; **P,** 0; **F,** 0; **FN,** 0. Thus, a student receiving a grade of **A** in a three-credit-hour course will earn twelve grade points. A grade of **A** in a two-credit-hour course will result in eight grade points.

Grade for Major Work

No grade below **C** will count for credit in the student's major or minor, and no student will be permitted to enroll for student teaching without a minimum grade of **C** in all courses in the designated teaching area.

Course Credit

Credit will be granted only for courses in which a student has officially registered.

Prerequisites and Major Courses

All prerequisites for major courses must be passed with a grade of **C**. No student will be permitted to enroll in a course requiring a prerequisite if the student has not achieved at least a grade of **C** in the prerequisite course.

Free Electives

All students are allowed to take a minimum of six semester hours of courses

of their choice during their enrollment. These are not general requirements or major requirements.

Grading and Promotion

The University reserves the right for decisions regarding grading and promotion to be made by the exercise of the sound discretion of the University faculty. Students receive a final grade or a grade of Incomplete in each course. If a faculty member has made an error in assigning the final grade, the faculty member may complete a Change of Grade form with the appropriate documentation. If a student receives an Incomplete, it may be removed upon completion of the incomplete work. **Incomplete work must be made up within the first six weeks of the following semester in which the student enrolls for courses at JCSU.**

GRADE APPEAL SYSTEM

A student may appeal the final grade received in a course. The student must initiate the grade appeal process with the course instructor to determine if there has been an error or misunderstanding about the quality of the coursework. If this discussion does not prove satisfactory, the student may take the matter to the Department Chair and subsequently to the Dean of the College if it is not resolved. A grade appeal must be initiated within thirty days after the start of the semester following the one in which the final grade in question was received. Otherwise, the grade will stand. The University will resolve any properly filed formal written appeal within thirty days.

ENROLLMENT STATUS

Full-time

In order to be full-time, a student must be enrolled for a minimum of twelve semester credit hours.

Part-time

Any student enrolled for fewer than twelve semester credit hours in the Fall or Spring Semester or fewer than six hours in the Summer Term.

Special

Students who are enrolled in courses for credit, but have not been admitted to candidacy for a degree.

ACADEMIC STANDARDS AND SATISFACTORY ACADEMIC PROGRESS

Good Standing

All students are expected to progress toward a degree while attending the University. In many cases, students are capable of completing their degree

requirements within a four-year period by earning an average of sixteen credit hours per semester. However, depending upon the academic major or other factors, students may require more than four years. The Satisfactory Academic Progress Scale sets forth the minimum requirements for progress toward a degree. Any student who meets these requirements will be in good standing.

SATISFACTORY ACADEMIC PROGRESS

Johnson C. Smith University's primary purpose is to create and support an educational environment in which students may develop their intellectual potential. While the University is committed to extending its fiscal and human resources in pursuit of this goal, students must take some responsibility for their own education and pursue and complete academic coursework that will permit them to meet baccalaureate degree requirements within a reasonable timeframe. Accordingly, and in compliance with appropriate and applicable federal regulations and requirements, the University shall adhere to the following definitions and policies for the determination of satisfactory academic progress towards degree completion.

Any petitions for exemptions to these requirements may be examined by the University's Committee on Academic Standards. The petition must be in writing and be specific as to the nature of the unusual circumstances for which an exemption is sought. The Committee may grant an exception to the standards on a case-by-case basis with the understanding that legitimate exceptions will not undermine either the intent of this policy or governing federal regulations for Title IV Student Financial Assistance

SATISFACTORY ACADEMIC PROGRESS SCALE

SEMESTER	CUMULATIVE GPA	SANCTION IF NOT MET
1	1.70	Warning
2	1.80	Probation
3	1.90	Suspension
4	2.00	Dismissal

Any full-time student enrolled beyond four semesters must earn at least a 2.0 cumulative Grade Point Average every semester in order to be in good academic standing with the University.

Students on academic sanctions shall be limited to a maximum of thirteen semester hours in the Fall or Spring Semester and no more than six semester hours in the Summer Session. An exception to this policy may be made on an individual basis as deemed appropriate by the College Dean.

Students on sanctions will be assigned an advisor from their College or the Biddle Institute (if undeclared) to engage in bi-monthly intrusive advising conferences. Attendance logs with notes on the meetings will document

the student's commitment to academic success. Failure to attend these mandatory advising conferences or to complete activities assigned by the advisor will jeopardize any appeal regarding future sanctions during the student's career, including application for readmission under the Phoenix Policy.

Any first-semester freshman who has received two or more F grades at midterm of the first semester will be assigned mandatory intrusive bi-monthly advising conferences by the appropriate College Dean or the Director of the Biddle Institute. Attendance logs with notes on the meetings will document the student's commitment to academic success. Failure to attend these conferences or to complete activities assigned by the advisor will jeopardize any appeal regarding future sanctions later in the student's career, including application for readmission under the Phoenix Policy.

ACADEMIC SANCTIONS

Warning

Any student who, for the first time, fails to meet the requirements of the Satisfactory Academic Progress Scale (1.70) at the end of the semester will be placed on Academic Warning. A student is not allowed to appeal a warning status. Students who are on Academic Warning will be assigned an advisor from their College or the Biddle Institute (if undeclared), who will engage students during bi-monthly intrusive advising conferences. Advisors will document attendance and completion of assigned activities. Students who fail to complete advisor assignments are considered to be academically noncompliant and may jeopardize any future appeals regarding academic sanctions.

Probation

Any student who, for the second time, fails to meet the requirements of the Satisfactory Academic Progress Scale at the end of the semester will be placed on Academic Probation. A student may appeal in writing to the Committee on Academic Standards. However, if any student who, for the second time, earns less than a 0.8 cumulative Grade Point Average, the student will forego probation and be dismissed from the University. A student may appeal the dismissal in writing to the Committee on Academic Standards. If the Committee grants the appeal, the Dean will determine an academic plan that the student must follow. If the student fails to follow the plan, the student will be dismissed from the University and have no opportunity to appeal the decision. Students on probation will be assigned an advisor from their College or the Biddle Institute (if undeclared) to engage in bi-monthly intrusive advising conferences. Attendance logs with notes on the meetings will document the student's commitment to academic success. Failure to attend the mandatory advising conferences or to complete activities assigned by the advisor will jeopardize any appeal regarding future sanctions later in the student's career, including application for readmission under the Phoenix Policy.

Suspension

Any student who, for the third time, fails to meet the requirements of the Satisfactory Academic Progress Scale at the end of the semester will be suspended from the University for one semester. A student may appeal in writing to the Committee on Academic Standards. Students who regain compliance with the Satisfactory Academic Progress Scale before the beginning of the suspension period are eligible for immediate reinstatement to the University. No appeal is required.

Dismissal

Any student who, for the fourth time, fails to meet the Satisfactory Academic Progress Scale at the end of the semester will be dismissed from the University for two years. A student may appeal in writing to the Committee on Academic Standards. If the appeal is approved, the student will be eligible for immediate reinstatement to the University, but will not be eligible to receive Title IV funds. Any student with dismissal status is not eligible to attend another postsecondary institution to acquire transfer credits.

Dismissed students may petition the Dean of their major or the Director of the Biddle Institute (if undeclared) for the privilege to have their dismissal lifted for Summer School to retake up to six credits of courses to. Failure to earn a grade of C or above in these courses will jeopardize a petition to take courses in a subsequent Summer Session and/or a petition to be readmitted under the Phoenix Policy. Granting this privilege does not change a student's dismissed status nor alter the requirements for applying under the Phoenix Policy. But it may improve a student's performance on the Satisfactory Academic Progress Scale in the event she or he is readmitted. Dismissed students can appeal to the Dean of their major or the Director of the Biddle Institute (if undeclared) for as many summers as they wish.

The Director of Financial Aid, Registrar, Coordinator of Housing Services, Accounts Receivable Coordinator, the student's academic advisor, and the Department Chair of the student's major are informed of all sanctions decisions via courtesy copy of letters sent to the student by his or her Dean or by the Director of the Biddle Institute (if undeclared).

PHOENIX POLICY

The Phoenix Policy is designed to provide former students the privilege of salvaging their academic careers and returning to the institution with an academic plan for success. Students readmitted under the Phoenix Policy shall be limited to a maximum of fifteen semester hours in the semester they are readmitted or six semester hours in Summer School. Failure to meet the Satisfactory Academic Progress Scale by the time a readmitted student has completed thirty-six credit hours will result in dismissal with no opportunity to petition for readmission. Readmitted students will be assigned an advisor from their College or the Biddle Institute (if undeclared)

to engage in bi-monthly intrusive advising conferences. Attendance logs with notes on the meetings will document the student's commitment to academic success.

Students who have been dismissed, suspended, left, or been separated from the University, and who are not in good academic standing for one or more semesters, are eligible to petition the Committee on Academic Standards for readmission under the Phoenix Policy. The petition statement must demonstrate that the student has engaged in appropriate personal developmental and/or enhancement activities during the period of absence (e.g. gainful employment, military service, and volunteer/ community service). Students must not have been convicted of crimes, that if repeated, might endanger the University community.

Financial Aid

If a student is suspended from the University, he or she must make a written appeal for reinstatement. The appeal should be addressed to The Committee on Academic Standards. If a student's academic appeal is successful, a separate letter of appeal must be submitted to the Office of Financial Aid for the office to consider reinstatement of financial aid. Upon review of the student's request and documentation, the student will be notified of the Financial Aid Committee's decision. If a student is not making satisfactory progress, he or she is given one appeal for financial aid. Once the student is readmitted by the Council of Deans, the Financial Aid Committee will review the appeal and provide the student with a decision. A student is eligible for federal aid for up to twelve semesters.

UNIVERSITY HONORS

A Dean's List consisting of students who have earned a Grade Point Average of 3.0 or better is published each year. Only students who are registered for a minimum of fifteen credit hours and have not received a grade of I for the semester in question will be considered. Students who have earned a GPA of 4.0, have a minimum of fifteen semester hours, and have not received a grade of I for the semester in question are designated as Presidential Scholars. These names are also published yearly.

GRADUATION

All graduation requirements must be completed and officially documented in the Registrar's Office for a student to participate in the University's graduation activities.

CLASS ATTENDANCE POLICY

Class attendance is required for all JCSU students. Each student is allowed as many hours of absence per term as credit hour(s) received (not to exceed four) for the class. The policy does not apply to internships and student teaching. Attendance policies for these classes will be determined by the appropriate academic Department.

- All students are expected to attend all classes, complete all required work, and not be absent without adequate cause. Punctuality in attending classes is expected of all students. Regulations on class tardiness are determined by each instructor.
- It is the responsibility of the student to know, at all times, the number of absences he or she has for each class. If a student exceeds the number of allowed absences for a class, the student may request an excused absence from the instructor.
- Students who exceed the maximum number of absences may receive a failing grade for the course.
- Students who miss classes while representing the University in an official capacity are exempt from regulations governing absences. However, absence from class for official University business does not relieve the student of responsibility for any class assignments that may be missed.
- Attendance is also considered in the awarding of and continued eligibility for financial aid.

Instructors are responsible for monitoring student attendance and participation in their classes. They are expected to explain the attendance requirements at the beginning of the semester and to include these requirements in the course syllabus. Instructors are required to maintain accurate attendance records on all students. If requested, they are to report to the Dean of their College any student who exceeds the number of absences allowed, according to the University's Class Attendance Policy.

JOHNSON C. SMITH UNIVERSITY HONOR CODE

The University Honor Code is enforced by the Council of Deans and the University Judiciary Board. The Honor Code states:

> **I pledge that this work is my own, and I will not cheat, or represent the words, ideas, or projects of others as my own. I further pledge that I will not engage in academic dishonesty, which includes lying, stealing, or assisting others in misrepresenting their work. As a member of the student body of Johnson C. Smith University, I also pledge to report all violations of the Honor Code that I observe in others. I understand that violations of the Honor Code are subject to disciplinary procedures by the University.**

Students and faculty are to govern themselves by the Honor Code to ensure the greatest measure of academic integrity. The University Honor Code must be observed and acknowledged by students in relation to class assignments, including out-of-class assignments, tests, and written papers, as well as other assignments that involve student assessment. Student assessment may extend beyond classrooms and includes all applied academic settings of the University.

Plagiarism is defined as stealing and passing off as one's own (i.e., without proper citation) ideas and writings of another. For other activities, dishonesty includes serious infractions of assignment rules.

In cases of dishonesty involving major assignments (examinations, major written assignments, and other assignments of comparable magnitude), the required penalty may be automatic failure of the course. The instructor must notify immediately the student, the Department Chair, and the Registrar's Office about this failure. The student may not withdraw from the course.

In cases involving less serious infractions of major assignment rules or in cases of dishonesty involving less important class activities (e.g., quizzes, a class discussion), the instructor may give a lesser academic penalty.

Students may appeal to the University Judiciary Board if they feel they were unfairly accused of dishonesty. The University Judiciary Board makes the final decision on the issue of whether or not the student was dishonest, but it cannot change the penalty when the student is found to be dishonest.

It is essential that the instructor, at the beginning of each term, make students aware of the definitions of dishonesty found in this Catalogue and of the penalties for dishonesty. This is especially important in the case of plagiarism.

DRESS GUIDELINES

The University Dress Guidelines are mandatory for all formal University events, including, but not limited to, formal dining events, pageants, and those which, when announced, indicate that the Dress Guideline applies. Students who fail to comply with the Guideline will be denied admission to the event.

Men: Suit or pants and dark jacket. Dress shirt and tie. Dress shoes and socks

Women: Dress or dressy skirt and blouse. Dress shoes and hosiery

Shirts/tops must be worn at all times while in public or the University's common areas. Attire must not display obscene, profane, lewd, illegal, or offensive images or words. Dress must be in good taste and appropriate for the occasion or setting. Sleepwear or head wraps shall not be worn while in public, in the University's common areas, or at University-sponsored activities or events. The exception is for residence hall fire drills and other evacuations.

POLICY ON DISRUPTIVE BEHAVIOR

Academic excellence demands that appropriate behavior and decorum be maintained by students at all times in the classroom. The University will not tolerate disruptive behavior by students or condone any behavior by students or teachers that incites such behavior. Disruptive behavior is defined as any behavior which causes disorder or turmoil to exist in the classroom.

When a student is judged to have engaged in disruptive behavior, the instructor shall initiate the following procedures:

1. The instructor will request that the student discontinue the disruptive action.
2. If the behavior continues, the instructor will ask the student to leave the classroom. Security will be called to remove the student if he or she does not leave when requested.
3. An incident report will then be completed by the instructor and filed with the Council of Deans. Copies will be sent to the student, his or her advisor, and the Office of Student Development.
4. After the completion of an incident report, including the student's comments, the student must secure the written permission of the Council of Deans in order to return to class. The student will be held responsible for all absences incurred between the time of the suspension from class and his or her return.
5. Any recurrence of disruptive behavior on the part of the student will result in expulsion from the class and a grade of **F** in the semester in which the offense occurred.

PARTICIPATION IN CO-CURRICULAR ACTIVITIES

No University student with at least one semester of coursework attempted and/or completed at the University and a cumulative grade point average or credit hours earned below the requirements of the University's Satisfactory Academic Progress Scale will be allowed to participate in any University-registered co-curricular student organization.

MOBILE COMPUTING PROGRAM

Enrollment in the Mobile Computing Program for each degree program and/or class is mandatory. A program fee must be paid by each student each semester. Failure to participate in or pay for the Mobile Computing Program may, at the University's sole discretion, have an adverse effect on a student's academic standing. If a student elects not to participate in the Mobile Computing Program, he or she shall still be charged the program fee.

End of Academic Year Requirements

Each student shall return the computer equipment system to the Mobile Computing Center on or before the end of each academic year in the same condition as at the beginning of the academic year, less reasonable wear and tear, and in accordance with The Laptop and Computing Responsibility Agreement and current JCSU policy. It is the student's responsibility to save all personal files onto USB drives before turning in the system. The

University accepts no responsibility for lost data or for personal data left on the system when checked in. At the beginning of each academic year, JCSU will issue each student in good standing another computing system. A student may or may not receive the same system upon being reissued. If the student fails to return the system by the end of the academic year, he or she is subject to civil liability and/or discipline in accordance with University policy. He or she will also be assessed the full replacement cost.

COURSE EXAMINATIONS

Semester or Session Examinations

All students are required to take the final examination in each course for which he or she is properly enrolled. Exceptions to this rule are granted by the Department Chair and Deans. The final examination must not account for more than 25% of a course's final grade. Failure to take a final examination does not guarantee a grade of I in a course. Students who do not fulfill their financial obligations to the University will not be allowed to take final examinations.

Mid-Semester Tests

All students are required to take the mid-semester test in each course for which he or she is properly enrolled.

INCOMPLETES

Policy on Incompletes

An Incomplete, or **I**, may be assigned when the student is passing a course at the time of the request, but documented special circumstances beyond the student's control prevent completion of the course. In general, failing the final exam or project or not submitting coursework as a result of inadequate preparation or learning are not valid justifications for an Incomplete.

Instructions

If the instructor and student agree that an Incomplete is appropriate, the instructor will complete a Record of Incomplete Form to document the reason for the **I**, the requirements for resolving it, and the date by which it must be resolved. This date may not exceed six weeks into the next term or one calendar year for students receiving an **I** in their Senior Project. The original copy of this communication must be submitted to the Registrar's Office, with copies also going to the student and the instructor.

An instructor may request a deadline extension by submitting a request to the Registrar's Office. This deadline extension may not exceed the last date of the semester in which the **I** is required to be removed (three consecutive semesters for the Senior Project or the student's graduation term, whichever is earlier).

Resolving an Incomplete

When a student completes the requirements specified on the Record of Incomplete Form,, the instructor must submit the appropriate grade on the Incomplete Removal Form to the Registrar's Office. It then becomes part of the student's cumulative Grade Point Average.

A student who does not remove the grade within the timeframe specified above will receive the alternate grade as assigned by the instructor. If a student does not enroll at the University within two years after receiving a grade of **I**, the Incomplete becomes a permanent grade of **Z**.

All grades of **I** must be removed prior to any student graduating from the University.

Repeating of Courses

No student will receive credit for the same course twice. If any course is repeated in which credit hours are earned, the student's permanent record will be adjusted by subtracting the hours of the lower grade from the total hours earned. Credit hours will then be recorded for only the higher grade. Students are responsible for notifying the Registrar's Office when a course is being repeated by indicating the repetition in the space provided on the registration form. **Courses in which students have received a grade of F may only be repeated at JCSU.**

Dropping Courses

If a student drops a course after the drop period officially ends, the student will receive a grade of **F** on his/her transcript.

Withdrawal

Students may officially withdraw from the University up to the last day designated on the University Calendar to drop classes. Before initiating the withdrawal process, students should consult their advisor to discuss the reason(s) for the withdrawal and to develop a plan for the completion of the degree. To withdraw from the University, a student must obtain a withdrawal form from the Office of Financial Aid or download one from the JCSU web site (www.jcsu.edu). The student should complete the form and take it to the Office of Financial Aid, where a representative will sign the form and send a copy of it to the Registrar's Office, where it will be placed in the student's permanent record. Failure to properly withdraw from the University will result in a grade of **F** for all courses in which the student was enrolled that semester.

Transfer of Credit

Students may obtain credit by attending another college or university if the following conditions are met:

1. The proposed institution of study must be accredited by one of the country's six regional accrediting agencies and offer courses equivalent to those at Johnson C. Smith University
2. Approval of transfer credit must be secured in writing by the student from instructors, advisors, Chairs of the Departments at JCSU, and the Registrar's Office by obtaining the proper signature on a Transfer of Credit form before enrolling in the course. The form can be obtained from the Registrar's Office and, after being properly executed, should be returned there. Elective credits may be received for certain courses which do not correspond to any offered at JCSU, provided approval is first received from the appropriate Department Chair.
3. Approved courses in which the student receives a grade of **C** or better are transferable. Quality points and grades are not transferable; credit hours are transferable. Credit will not be accepted for courses where a grade below **C** was earned.
4. Typically, no more than fifteen hours, excluding coursework through the Charlotte Area Educational Consortium (CAEC), may be transferred.

CREDIT BY EXAMINATION

Advanced Placement Credits: Students satisfactorily completing Advanced Placement (AP) Examinations in disciplines offered by the University will be awarded academic credit. AP examination scores of 3 or above will be accepted for college credit. Students may receive additional credit hours if scores received are 4 or above after consultation with the appropriate Department Chair and College Dean. **Students are responsible for having their AP score(s) submitted directly to the University by The College Board. The current approved course equivalencies are as follows:**

ADVANCED PLACEMENT EXAMINATION
EQUIVALENCY CHART

Johnson C. Smith University
Effective July 1, 2000

AP Examination	JCSU Course(s) Equivalents	Number of Credit Hours Received
Art History	Humanities Electives	6
Studio Art	Humanities Electives	3
Biology	BIO 143; BIO 144 **(any two)** **(LS 135 Exempt)**	8
Calculus AB	MTH 231 (score of 3 or above) MTH 232 (score of 4 or 5 only)	3
Calculus BC	MTH 231-232 (score of 3 or above) one hour MTH elective (score of 4 or 5 only)	6

Chemistry	CHE 131, 111 and 132, 112 **(LS 135 Exempt)**	8
Computer Science A	CSC 131	3
Computer Science AB	CSC 131 and 132	6
Macroeconomics	ECO 231	3
Microeconomics	ECO 232	3
Language and Composition	ENG 131 and 132	6
Literature and Composition	English Electives	6
Environmental Science	Science Elective	4
French Language	Language Electives	6
French Literature	Language Electives	6
German Language	Language electives	6
U.S. Government	POL 131	3
Comparative Politics	POL 333	3
European History	History Electives	6
U.S. History	HIS 135 and 136	6
International English	English Electives	6
Latin	Language electives	6
Music Theory	MUS 143 and 144	8
Physics B	Science Electives (Non-Science majors)	6
Physics C (Mechanical)	PHY 243 **(LS 135 Exempt)**	4
Physics C (Electricity and Magnetism)	PHY 244 **(LS 135 Exempt)**)	4
Psychology	PSY 131	3
Spanish Language	SPA 131 and 132	6
Spanish Literature	Language Electives	6
Statistics	PSY 233; BUS 233: MTH 136	3

NOTE: Internships, institute participation (original CEU certificate must be submitted as verification of participation), and study abroad for credit must be cleared and approved before a student takes part in such a venture.

International Baccalaureate

JCSU recognizes the International Baccalaureate Diploma Programme scores in the core components as well as the six subjects. To receive credit for the diploma, students should receive a minimum score of twenty-four points and satisfactorily complete the core components, including the extended essay. To receive credit for individual subjects, the student should receive a minimum grade of 5 in the subjects.

Placement Tests

Placement tests are administered by the University during Golden Bull Academy and New Student Week to all students in mathematics and selected students in Spanish, French, and the natural sciences. Students

achieving required competency levels on one or more examinations will be placed in upper level courses in that discipline or exempted from enrolling in selected University required courses.

Grade Reports

At the end of each semester, grade reports are sent to students. Mid-semester grades are sent to advisors and students for the purpose of advisement and information. Only semester grades are permanently recorded.

Permanent Records Folder:

The permanent records folder includes the original copies of all registration forms, drop/add forms, incomplete removals, and copies of all grades received.

TRANSCRIPTS

Official transcript requests can be made through the Registrar's Office. Official transcript requests can be made through the National Student Clearing House at www.studentclearinghouse.com. An official transcript of a student's academic record will be sent to a designated person or institution upon written receipt of a request and only if a student has cleared all financial obligations to the University. Otherwise, no transcript will be released.

There is a $10 fee for each copy of a student's transcript.

CLASSIFICATION OF STUDENTS

Students in the University are classified at the beginning of each semester according to records in the Registrar's Office. The classifications are:

Seniors: Students who have, unconditionally, at least ninety credit hours of course work.

Juniors: Students who have, unconditionally, at least sixty credit hours of course work.

Sophomores: Students who have at least thirty credit hours of course work.

Freshmen: All other students, not registered as special, who have less than thirty hours of coursework.

FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT (FERPA)

The Family Educational Rights and Privacy Act (FERPA) (20 U.S.C. § 1232g; 34 CFR Part 99) is a federal law that protects the privacy of students' education records. The law applies to all schools that receive funds under an applicable program of the U.S. Department of Education.

Parents and guardians have certain rights with respect to their children's education records. However, under FERPA, these rights transfer to the

student when he or she reaches the age of 18 or attends a school beyond the high school level. At JCSU, a student's education record consists of: Permanent Academic Record Folders and Transcript of Grades; Student Personnel Records; Disciplinary Records; Student Accounts (Business and Financial Affairs); Financial Aid Records; Medical Records; Admissions Records; Counseling Records; Placement Records; and Academic Advisement Records.

A student must give written authorization to the Registrar's Office for the sharing of her or his education records.

STUDENT GRIEVANCE PROCESS

Grievance procedures are available to students to ensure a prompt and equitable resolution of complaints concerning academic and non-academic issues. See page 386 for further information.

ONLINE & HYBRID COURSES AT JCSU

Johnson C. Smith University offers both online and hybrid courses. These courses and their associated fees are identified in *Jenzebar*, the University's course database. Typically there is an additional fee of $125.00 for each online or hybrid class taken. Online classes meet electronically 100% of the course time; hybrid classes meet approximately 49% online and 51% face-to-face.

The University has partnered with a third party company through which all online and hybrid courses are hosted. The Learning Management System (LMS) employed is Modular Object Oriented Dynamic Learning Environment (MOODLE), a free, open-source e-learning platform. Also, all Moodle courses use a secure SSL encryption so information transmitted over the web is secure.

Students who register for online and/or hybrid courses must be officially validated at the University for the semester/term in which the course is being offered. Upon validation, students are assigned a unique email, web pin and student identification number. Only those students who officially register for a given course are uploaded to the Learning House system. Once uploaded, students must log in with their University email and a generic password. Immediately upon initial log-in, students are prompted to create an individual unique password that is generated by the individual student. This is the only method of accessing actual coursework. Upon entering an online/hybrid course, students have access to the Student Online Guidelines which addresses the expectation of academic integrity.

All questions related to online or hybrid courses may be communicated by email to: onlinecourses@jcmail.jcsu.edu.

ACADEMIC PROGRAMS

At Johnson C. Smith University, the educational program is continuously under review, and so experimental courses/programs are offered. These explorations will be continued and enhanced during the 2012-2013 academic year.

The University offers the Liberal Studies Program and four academic colleges: the College of Arts and Letters, the Metropolitan College, the College of Professional Studies, and the College of Science, Technology, Engineering, and Mathematics. Through their academic units, the University offers twenty-right majors and confers three degrees: the Bachelor of Arts, the Bachelor of Science, and the Bachelor of Social Work. The University also offers a number of minors and specialized programs, including pre-law, pre-med, pre-pharmacy, banking and finance, military science, information systems engineering, and African and African-American studies.

ACADEMIC STRUCTURE

College	***Department***	***Degree***	***Concentration [C] Major & Minor [M] Licensure [L]***
College of Arts & Letters	*Language and Literature*	**English** *[B.A.]* **French** *[B.A.]* **Spanish** *[B.A.]*	English [M] French [M] Spanish [M] Spanish Language and Literature [C] Spanish Culture and Communication [C]
	Interdisciplinary Studies, Philosophy and Religion	**Interdisciplinary Studies** *[B.A.]*	Interdisciplinary Studies [M] Global Studies [M] Philosophy [M] Religion [M]
	Social and Behavioral Sciences	**Criminology** *[B.A.]* **History** *[B.A.]* **Political Science** *[B.A.]* **Psychology** *{B.A.]* **Social Science** *[B.A.]*	Criminology [M] History [M] Political Science [M] Psychology [M] Clinical Psychology [C] Biomedical Psychology [C] Development Psychology [C]
	Visual, Performing and Communication Arts	**Communication Arts** *[B.A.]* **Music** *[B.A.]* **Visual and Performing Art** *[B.A.]*	Communication Arts [M] Music [M] Music Performance [C] Music Business and Technology [C] Sacred Music [C] Visual and Performing Arts [M] Dance [C] Film [C] Graphic Art [C] Studio Art [C] Theatre [C]

College of Professional Studies	*Business Administration and Economics*	**Business Administration** *[B.S.]* **Economics** *[B.A.]*	Economics [M] Accounting [C] Banking & Finance [C] Management [C] Marketing [C] Retail Management [C[International Business [C] Management Information Systems [C]
	Education	**Elementary Education** *[B.A.]* **Second Level Teacher Licensure**	Mathematics [L] Physical Education [L] Health [L] English [L]
	Health & Human Performance	**Health Education** *[B.S.]* **Physical Education** *[B.S.]* **Sport Management** *[B.S.]*	
	Social Work	**Social Work** *[B.S.W.]*	
College of Science, Technology, Engineering & Mathematics	*Computer Science & Engineering*	**Information Systems** **Engineering** *[B.S.]* **Computer** **Engineering** *[B.S.]* **Computer Science/** **Information Systems** *[B.S.]*	Computer Science [M] Computer Engineering [M] Bioinformatics [M]
	Natural Sciences and Mathematics	**Biology** *[B.S.]* **Chemistry** *[B.S.]* **General Science** *[B.S.]* **Mathematics** *[B.S.]* **Mathematics Education** *[B.S.]*	Mathematics [M]

THE UNIVERSITY RESERVES THE RIGHT TO ALTER, REVISE, OR ELIMINATE ANY ACADEMIC PROGRAM IT DEEMS NECESSARY.

GENERAL EDUCATION

Students at JCSU complete general education requirements through the Liberal Studies Program.

LIBERAL STUDIES PROGRAM

The JCSU Liberal Studies Program aims to provide an environment for students to develop their entire person: intellectually, socially, physically, creatively, and ethically. This program is one of the University's contributions to our students developing the qualities of generally well-educated people, with a special emphasis on general intellectual and practical skills and on the integration of knowledge in the core areas of the humanities, social sciences, natural sciences, mathematics, and history.

The Liberal Studies Program consists of:

1) Core courses that integrate knowledge from the broad areas of the humanities, social sciences, natural sciences, mathematics, and history;

2) Skills Foundation courses that focus on writing, speaking, quantitative reasoning, foreign languages, health, physical activity, and information technology;

3) Complementary courses that enrich the core and skills courses; and

4) Orientation courses to help students make the transition to university life.

The program also includes:

1) A Learning Across the Curriculum requirement that enhances skills development and culminates in a Senior Investigative Paper and

2) A Community Service requirement.

Year	Core Courses	Skills, Foundation Courses and Complementary Studies
1	1. LS 130. Identity: African-American And Other Cultural Traditions; 3 hrs. 2. LS 135. Science, Technology, Ethics; 3 hrs.*	ORT 111, ORT 112; 2 hrs. ENG 131**; 3 hrs ENG 132; 3 hrs. Foreign Language**; 6 hrs. COM 130; 3 hrs. Mathematics**; 6 hrs. CSC 131; 3 hrs. HED 121; 2 hrs. Phys. Activity; 2 hrs. (PED 020-129)
2	3. LS 235. Studies in Society; 3 hrs. 4. LS 238, 239. World Civilizations; 6 hrs.***	ENG 232; 3 hrs. Selection from this group; 3 hrs. MUS 131 PHI 131 REL 131 VPS 233
	Total core hours - 15	Total complementary hours - 36 Total Liberal Studies hours - 51

* Any Biology, Chemistry, or Physics course (approved by the Department of Natural Sciences) will satisfy the LS 135 (Science, Technology, Ethics) requirement.

** Level determined by a placement process or test

*** History, Social Science and Social Studies Education majors are required to take HIS 131 and 132 to satisfy the LS 238/239 core requirement.

COMPUTER LITERACY

The University requirement that each student be computer literate may be met by achieving a grade of **C** or better in Computer Science 131. Students with prior computer knowledge may meet this requirement by receiving a satisfactory score on a computer literacy assessment test.

ENGLISH

The University requirement of demonstrated English proficiency must be met by achieving a grade of **C** or better in ENG 131 and ENG 132. Students with exceptional or unusual backgrounds (e.g., those with work published by an edited or peer-reviewed press) may be recognized as having satisfied this requirement through the submission and evaluation of a writing portfolio to the Department of Languages and Literature.

FOREIGN LANGUAGE

All students are required to take a minimum of two semesters or the equivalent of a foreign language, (six hours in one language distributed as 131 and 132).

Students who have studied two or more years of a foreign language in high school may take a placement examination in the language studied. According to their scores, students will be placed in 131, 132, 231, or 232. Those students who place in 231 as a result of the placement examination have satisfied the equivalent of 132. They may elect to continue the study of a foreign language, either as an elective or upon recommendation of their major Department.

Students who have not previously studied a foreign language may enroll in one of the following courses: Arabic 131, Chinese 131, French 131, Latin 131 or Spanish 131. Students who wish to satisfy the language requirement with a language other than these may take the equivalent of 131 and 132 at a college within the Charlotte Area Education Consortium (CAEC).

PHYSICAL EDUCATION ACTIVITIES

Each student is required to participate in the University's Physical Education Program. Students with physical disabilities of any nature may take Physical Education 026 (PED 026) to satisfy this requirement. Before enrolling in this course, a student must have a statement from her or his personal physician. This information must be documented by the Department of Health and Human Performance. Former military personnel are exempted from the Physical Education activity course requirements.

FRESHMAN ORIENTATION

The Orientation Program is designed to introduce entering freshmen and transfer students to campus life and provide them with the skills necessary for a successful college career. Orientation 111 and 112 are for freshmen, and Orientation 120 is for transfer students. These courses are required for graduation.

LEARNING ACROSS THE CURRICULUM COURSES / SENIOR INVESTIGATIVE PAPER

All students must participate in Learning Across the Curriculum (LAC) courses to sharpen communication and thinking skills. Every student is required to complete eighteen credit hours of writing, thinking, reading, quantitative reasoning, and speaking-intensive classes for graduation. Ideally, three hours are taken each semester starting in the sophomore year. Credit for LAC classes may be earned in Liberal Studies, the major, or elective courses. All students, including transfers and readmitted students, must complete eighteen credits of LAC courses.

The LAC experience culminates in a Senior Investigative Paper required of every student for graduation. Faculty members from a student's major serve as advisors in its preparation. The details of scheduling and exact requirements vary from Department to Department. Typically, students begin topic formulation, research design, preliminary research, and literature searches in their junior year. Students receive detailed information on the paper's requirements in their major from their advisors and other faculty members.

HONORS PROGRAM

The University's Honors Program is designed to meet the academic needs of academically talented students. The program is designed to infuse additional rigor into the curricula of those students with proven academic abilities. Honors students will be tasked with completing courses and research beyond the regular curriculum requirements. Each Department has special requirements for students to sit for Honors within their chosen major. Students who qualify should get specific information about how to sit for Honors from their advisor.

The mission of the Honors Program is to create a learning community whose graduates are able to communicate effectively, think critically, learn independently as well as collaboratively, and demonstrate overall excellence. These students develop academic, social, and service skills, seek advanced degrees, and function as scholars, leaders and role models in their community.

ACADEMIC SUPPORT

Various types of academic support are provided to students: teacher advisors within each College, programmatic intrusive advisors, and tutorial centers. In addition, faculty members are available for assistance during office hours and by request as scheduling allows.

COMMUNITY SERVICE

The University endeavors to produce risk-oriented, entrepreneurial leaders who embrace a diversity of ideas, religions, and philosophies to shape outcomes that help to advance the public good. Two important core values at the heart of the University's mission are caring and servant leadership. JCSU provides an environment in which students can fulfill their physical, social, cultural, spiritual, and other personal needs, thus enabling them to develop a compelling sense of social and civic responsibility for leadership and service in a dynamic multi-cultural society.

Community service is a requirement for graduation. Students must perform a minimum of ten hours per year. Transfer students' hours will be calculated based on the number of semesters in attendance at JCSU. Non-traditional students enrolled in Metropolitan College and students re-admitted after five years of academic absence can apply to have up to fifteen hours of community service that was completed during the twelve months prior to enrollment credited to their University record. However, the request must be in writing, and hours must be verified by the authorized agent of the service site.

The University offers two venues students can utilize to enhance their leadership abilities while satisfying their requirements for community service: University Service and General Community Service.

UNIVERSITY SERVICE

University Service is defined as activities designed to enhance students' leadership development, as well as provide a means by which they can employ what they have learned in the service of their fellow students and the University. These activities may include service on the Judicial Board or participating as a University Ambassador (such as Miss and Mr. JCSU or as member of the Royal Court), a Student Orientation Leader, or a Smith House Docent. Generally, students who are paid for certain activities, such as Presidential Interns, cannot earn University Service hours based on their work duties. However, they may receive community service hours for applicable volunteer activities, or their supervisor may petition to have applicable hours credited as University Service. The authorized University official will review and provide a decision on all submitted petitions. University Service may include both direct and indirect service activities and may take place on or off campus. No more than half of the service hours required for graduation may be obtained through University Service hours.

COMMUNITY SERVICE

The Center for Applied Leadership and Community Development is the clearinghouse for all community service and service learning opportunities. The Program Manager for Service Learning and Community Partnerships at the Center handles administration of the program and provides a list

of approved service sites. Service sites are required to be designated as tax-exempt organizations by the Internal Revenue Service. Organizations interested in becoming an approved service site must complete the selection process before being placed on the community service site list.

Community service is defined as those activities designed to improve the quality of life of off-campus community residents, particularly low-income individuals. These activities may include academic service learning, co-curricular service learning (not part of an academic course, but utilizing service learning elements), and other co-curricular student volunteer activities, as well as work study community service and paid community service internships. Community service includes both direct service to community residents and indirect service (e.g., assessing community nutrition needs or managing a food bank.) Academic service learning means service that is integrated with academic course content. It may involve direct or indirect service, as well as academic research for a community purpose. In addition, community service activities may take place off campus or on campus if community residents come to campus to receive the service.

The Program Manager records and maintains the database for student service hours, scholarships, and other student needs. Students participating in community service activities are required to complete the official time sheet. Time sheets can be downloaded from the JCSU web site (www.jcsu.edu). Hard copies of the time sheets are also available in the library, Student Activities Office, and in Metropolitan College. Time sheets should be submitted on or before the last day of each month. The final submittal deadline for time sheets is November 30 for the Fall Semester and April 30 for the Spring Semester, with the exception of graduating seniors. Seniors graduating in May must submit all time sheets by the date published in the University Calendar. All time sheets must be submitted during the semester in which the service was performed and must be signed by the site supervisor or designated representative. Failure to comply with this requirement may jeopardize the accurate recording of a student's community service hours. No time sheet will be accepted without the required signature.

Students performing community service while attending Summer School should submit time sheets by the last day of the session.

Students who wish to undertake community service at home must have prior approval. The Request for Approval Form must be completed and submitted at least thirty days before the assignment is to begin. No more than twenty hours of community service may be completed at home. Service sites must meet the same guidelines and go through the same selection process. Once the placement is approved, students must provide the service at the agency for which they were approved. If the student changes the approved placement site without first notifying the Center for Applied Leadership and Community Development, the community service hours will not be counted. Students must use the official time sheet from the Center to log their hours. Time sheets must be signed by the authorized

representative and returned to the Center no later than thirty days after service is completed. No facsimiles will be accepted.

Hours worked by students participating in community service work study or certain internships with a community focus or where the sponsoring organization's work significantly impacts the quality of life in the community, region, state, nation, or world may count toward the community service requirements. However, students must receive prior written approval from the Center before these hours can be counted. Requests for approval should be made using the appropriate form, which should be signed by the student, as well as by the Director of Financial Aid and/or Director of the Center for Career Development, as applicable.

SERVICE LEARNING

Service learning is a teaching and learning strategy that integrates meaningful community service with instruction and reflection to enrich the learning experience, teach civic responsibility, and strengthen communities. Service learning is integrated into and enhances the academic curriculum of students engaged in service or the educational components of the community service program in which they are enrolled. Service learning provides structured time for participants' thoughtful planning and guided reflection. Overall, the most important feature of effective service learning programs is that both learning and service are emphasized.

Selected courses may be designated on the schedule by (S), or students can check with the professor teaching the course. Students participating in a service learning course are required to submit a time sheet for their service hours. The signatures of the course professor and the site supervisor are required on the time sheets. Time sheets should be submitted on or before the last day of each month. The final submittal deadline for time sheets is November 30 for the Fall Semester and April 30 for of the Spring Semester with the exception of graduating seniors. Seniors graduating in May must submit all time sheets by the date published in the University Calendar.

Service hours earned in a service learning course will count toward the community service hours required for graduation.

LYCEUM SERIES

The Lyceum Series was established in recognition that important learning can and should occur outside of the classroom.

The Lyceum Series sponsors artists, entertainers, scholars, researchers, public officials, and other individuals who are able to significantly enrich the academic experience of JCSU students beyond the classroom and to contribute to their intellectual growth, leadership development, and sense of social and moral responsibility. Students are encouraged to provide input regarding individuals whom they would like to invite to the campus.

The Lyceum Series is developed, with great care, each academic year in collaboration between students and faculty to design the most exciting and impactful series of events possible for the campus community.

1. Beginning with the 2012-2013 Academic Year, students entering JCSU will no longer be required to earn Lyceum credit to graduate. However, all returning students will be governed by the Lyceum credit requirements outlined in the catalog in effect when they entered the University.

2. Lyceum programs are now placed within the four Colleges: Arts and Letters, Metropolitan, Professional Studies, and Science, Technology, Engineering, and Math.

3. Each College will establish a Lyceum Committee that will review and approve proposals for Lyceum programs. Faculty in each College may submit a proposal for a Lyceum program.

4. Lyceum programs will be guided by the particular theme or program emphasis established by each College. Each College will be responsible for offering at least two Lyceum programs per academic year.

5. Faculty may establish Lyceum attendance as a course requirement.

6. A University-wide Lyceum theme will be announced for each Academic Year. Proposals that address this theme may be submitted by faculty, students, or staff members to the Office of the President for funding consideration. Student proposals must be submitted in collaboration with a faculty member or staff person.

The Lyceum theme for 2012-2013 is: "Civility: Living and Learning Together."

MAJORS

A major consists of a set of prescribed courses in a field of study, administered primarily by one Department, which, when combined with general education and electives, leads to a bachelor's degree. The courses in the major may come from more than one Department, but may not be less than thirty nor more than sixty-two hours of credit, including all required support courses, excluding general education (Liberal Studies) program courses. A support course is one deemed complementary to or a prerequisite for one or more courses in the major course set.

Departments, after program assessment, may petition the Faculty through the Educational Policies Committee, the Faculty Senate, and the College, to require more than sixty-two credit hours for a major. All degree programs include a minimum of six credit hours of electives freely chosen by the student.

The University offers the following majors:

- Biology
- Business Administration
  (Concentrations in Accounting, Banking and Finance, International Business, Management, Management Information Systems, Marketing, and Retail Management)
- Chemistry
- Communication Arts
- Computer Engineering
- Computer Science/Information Systems
- Criminology
- Economics
- Education-Elementary*
- English
- English Education*
- French
- General Science
- Health Education
  (Concentrations in School Health and Community Health)
- History
- Information Systems Engineering
- Interdisciplinary Studies
- Mathematics
- Mathematics Education*
- Music
  (Concentrations in Music Performance, Music Business and Technology, and Sacred Music)
- Physical Education
  (Concentration in Teacher Education)
- Political Science
- Psychology
  (Concentrations in Clinical, Biomedical, or Developmental Psychology)

Sacred Music

Social Science
(Concentration in General Social Science)

Social Work

Spanish

Sport Management

Visual and Performing Arts
(Concentrations in Dance, Film, Graphic Art, Studio Art and Theatre)

(* Subject area will be discontinued in the 2015-2016 Academic Year.)

APPLICATION FOR MAJOR

It is recommended that students apply for a major no later than the end of the Fall Semester of their sophomore year so that Department Chairs will have adequate time and opportunities to observe and advise students while there is enough time to make necessary program adjustments. This plan enables students to find major areas that are most beneficial and interesting for them. Forms to apply for the major may be obtained from the Registrar's Office. When the major is approved, the Department Chair retains a copy of the application, and the student returns the second copy to the Registrar's Office.

CHANGING OF MAJOR

A student may change his or her major by obtaining the proper forms from the Registrar's Office. When the change is approved by the Department Chair, the Chair retains one copy, and the student returns the second copy to the Registrar's Office.

MINORS

Students at JCSU may elect to minor in an area, but are not required to do so. A minor is a field of study outside the major requiring between a minimum of fifteen semester credits and a maximum of twenty-one semester credits.

APPLICATION FOR MINOR

It is recommended that students who wish to declare a minor do so no later than the end of the Fall Semester of their junior year. Such a time schedule permits the Department Chair to assist students in selecting the most appropriate courses from the minor area to supplement the major concentration and the student's goals. Forms to apply for the minor may be obtained from the Registrar's Office. The completed form should be taken to the Chair of the Department that houses the minor concentration. After

the application form is reviewed and approved, a copy of the application is retained by the Chair, and one copy is returned to the Registrar's Office.

CHANGING OF A MINOR

A student may change a minor by obtaining the proper form from the Registrar's Office. When the change is approved by the Department Chair of the new minor, one copy remains in the Department, and the student returns the second copy to the Registrar's Office.

CONCENTRATION

A concentration is a defined set of courses within a major that prepares students for a specific goal.

DEGREES AND GRADUATION REQUIREMENTS

DEGREES

The University administers coursework leading to the Bachelor of Arts, Bachelor of Science, or Bachelor of Social Work.

DEGREES WITH HONORS

To graduate *cum laude,* a student must have spent at least two years in residence at the University and have earned a Grade Point Average between 3.00 and 3.49. To graduate *magna cum laude*, a student must have spent at least three years in residence at the University, earned a Grade Point Average of 3.50 to 3.69, and have received no final grade below C. To graduate *summa cum laude,* a student must have spent at least three years in residence at the University, earned a Grade Point Average of 3.70 to 4.00, and have received no final grade below C.

GRADUATION

Application for Degree: Seniors are required to file an application for degree, indicating the expected date of graduation. The deadline for completed applications is published in the University Calendar.

General Requirements: Candidates for the bachelor's degree must complete at least on hundred-twenty-two credit hours; earn a minimum overall Grade Point Average of 2.00; earn a minimum grade of C in any course that counts toward the major; satisfy all requirements of the curriculum in the Liberal Studies or Honors Program; complete all requirements for Community Service and the Senior Investigative Paper; and, for all students entering the University before the Fall Semester 2012, attend the required number of Lyceum events.

Catalog Requirement: Graduation will be governed by the catalog under which students first enrolled in the institution and if they graduate within

a period of five years. Otherwise, the current requirements must be met. This regulation will be subject to such additional conditions that may be established by decisions of the Educational Policies Committee and approved by the Faculty and University administration.

Residence Requirements: The minimum residence requirement for the bachelor's degree is that the last thirty-two of the one-hundred-twenty semester hours required for graduation must be earned at JCSU. Exceptions to this requirement may be made when approved by the respective College Dean, major advisor, the Department offering the course or courses in question, and the President. This exception does not apply to students who transfer ninety hours to JCSU.

Student Responsibility: Each student is responsible for being familiar with the University catalog; maintaining a satisfactory Grade Point Average; properly completing the academic program; and satisfying all other requirements for graduation. Advisors will counsel students, but the final responsibility for meeting graduation requirements remains that of the student.

Students are obligated to comply with the reasonable rules and regulations of the University and all requirements for graduation. Students will graduate only when all requirements have been completed as specified by the applicable catalog. The University reserves the right not to graduate any student who has not complied with all graduation requirements.

SPECIAL PROGRAMS

STUDENT SUPPORT SERVICES

Success through Motivation and Skills Development

Student Support Services (SSS) is designed to provide opportunities for academic development, assist students with basic college requirements, and motivate students toward the successful completion of their post-secondary education. SSS also provides grant aid to current participants who are receiving federal Pell Grants. The goal of SSS is to increase the college retention and graduation rates, plus foster an institutional climate supportive of the success of students who have limited proficiency in English, students from groups that are traditionally underrepresented in post-secondary education, students with disabilities, students who are homeless children and youths, and students who are in foster care or aging out of it, or who are otherwise disconnected.

Services provided by the SSS program at JCSU include:

- Academic tutoring to enable students to complete post-secondary courses, which may include instruction in reading, writing, study skills, mathematics, science, and other subjects

- Advice and assistance in post-secondary course selection
- Providing students with information on both the full range of federal student financial aid programs and benefits (including federal Pell Grant awards and loan forgiveness) and resources for locating public and private scholarships
- Assistance in completing financial aid applications, including the Free Application for Federal Student Aid (FAFSA)
- Education or counseling services designed to improve the financial and economic literacy of students, including financial planning for post-secondary education
- Activities designed to assist students in applying for admission to graduate and professional school programs and in obtaining financial assistance to attend

SSS also provides: individualized counseling for personal, career, and academic information, activities, and instruction designed to acquaint students with career options; exposure to cultural events and academic programs not usually available; mentoring programs; and assistance in securing temporary housing during breaks for students who are homeless or who are in foster care or aging out it.

A student is eligible to participate in the SSS program if he or she meets the following requirements:

- Is a citizen or national of the United States or meets the residency requirements for federal financial assistance;
- Is enrolled in the institution or accepted for enrollment in the next academic term;
- Has a need for academic support;
- Is a low-income individual;
- Is a first generation college student (i.e. neither parent has received a baccalaureate degree); or
- Is disabled.

To receive services, interested students should contact the SSS Office to request and complete an SSS Information Data Form and Individual Student Development Plan and then set up a conference with the Director, Tutorial Coordinator, or Disability Services Coordinator.

ACADEMIC CENTER FOR EXCELLENCE (ACE)

The Academic Center for Excellence (ACE) (formerly the Center for

Teaching and Learning) was established in 1988 to provide academic support services to JCSU students. It will begin fall 2012 with a revised mission, focused solely on academic advising for undecided students and students participating in the Biddle Freshman Program. The academic advising arm serves undecided students only.

CHARLOTTE AREA EDUCATIONAL CONSORTIUM

Full-time students at JCSU may enroll in courses not available at the University, but which are offered at other participating institutions in the Charlotte Area Educational Consortium (CAEC) without additional tuition and fees, via an interinstitutional registration during the Fall or Spring Semester. CAEC member institutions are:

Cabarrus CHS

Carolinas CHS

Livingstone College

Belmont Abbey College

Mitchell Community College

Catawba College

Pfeiffer University

Catawba Valley Community College

Queens University

Central Piedmont Community College

Gordon-Conwell College

Cleveland Community College

Stanly Community College

Davidson College

University of North Carolina at Charlotte

Gardner-Webb University

University of South Carolina at Lancaster

Gaston College

Wingate University

Gordon-Conwell Theological Seminary

Winthrop University

South Piedmont Community College

York Technical College

Johnson C. Smith University

Lenoir-Rhyne College

The registration process is initiated in the Registrar's Office and requires the approval of the student's academic advisor, the Council of Deans, and the Registrar.

MILITARY SCIENCE (ARMY ROTC)

JCSU offers Army Reserve Officers' Training Corps (ROTC) in cooperation with UNC Charlotte within terms of the existing agreements between schools of the Charlotte Area Educational Consortium.

JCSU students may elect to participate in the Army ROTC as part of their academic curriculum. Students successfully completing the Military Science curriculum will receive twenty-one credit hours applicable toward general elective requirements and will be commissioned as second lieutenants in the Regular Army, Army Reserve, or National Guard. Students will normally enroll in a Military Science course or activity each semester.

Army ROTC is a four-year unit consisting of the Basic Course (freshman and sophomore years) and the Advanced Course (junior and senior years). No military commitment is incurred for participation in the Basic Course. ROTC is open to both men and women.

Admission into the Advanced Course is based on demonstrated officer potential and a physical examination. Members of the Reserve Components, honorably discharged veterans, and students with a ROTC background may be eligible for placement into the Advanced Course provided they are otherwise fully qualified. Transfer students with two or more years remaining toward degree completion may also qualify for direct entry into the Advanced Course by participating in paid summer training. Advanced Course students attend a paid six-week summer camp prior to commissioning.

All students enrolled in the Advanced Course receive a tax-free subsistence allowance each academic month. Two-, three-, and four-year scholarships are awarded on a competitive basis. Scholarships pay tuition, fees, and $450 for books per semester in addition to the monthly subsistence allowance. All uniforms and textbooks for ROTC instruction are provided at no cost to the student. The ROTC student body is organized as a corps of cadets sponsoring several social and professional enrichment activities such as

the ROTC Honor Guard, Scabbard and Blade Society (a national military fraternity), the RAIDERS (a commando oriented organization), and the Cadet Association.

Army ROTC freshman and sophomore classes are offered on the JCSU campus. Junior and senior level classes are offered at UNC Charlotte. Enrollment for junior and senior ROTC classes is accomplished by completing the Charlotte Area Educational Consortium Interinstitutional Registration Form For Students Taking Courses on Another Campus, which is available in the Registrar's Office.

Participation in Army ROTC enhances the education of both men and women by providing unique leadership and management training along with practical experience in these areas. It helps students develop many of the qualities basic to success in the Army or in civilian careers. Students earn a college degree and an officer's commission at the same time. The program is designed to complement the student's major area of study, and participation in Army ROTC is compatible with all major areas of study. The Basic Course and the Advanced Course comprise the Military Science curriculum

Basic Course. The Basic Course is usually taken during the freshman and sophomore years. It is open to all students and incurs no military obligation. Topics include management principles, leadership development, national defense organization, land navigation, small unit tactics, survival techniques, military courtesy, first aid, and physical training. Uniforms and textbooks are provided at no cost to students. Students unable to attend the Basic Course may still qualify for the Advanced Course by attending a paid five-week summer camp following their sophomore year. Placement credit is also available for veterans, members of the reserve components, and Junior ROTC participants.

Advanced Course. The Advanced Course provides instruction in military history, advanced tactics, techniques of effective leadership, and military ethics and professionalism. It is normally taken during the junior and senior years. Students successfully completing the Basic Course, have demonstrated the potential to become officers, and meet Army physical and academic standards are eligible to enroll in the Advanced Course. Cadets receive a tax-free subsistence allowance of $450 per academic month for juniors and $500 per academic months for seniors. They are also required to attend a paid five-week summer camp at Fort Lewis, Washington between their junior and senior years. In addition to Military Science courses, students must complete HIST 2120 or a comparable history course at UNC Charlotte.

SCHOLARSHIP PROGRAM

Two- and three-year scholarships are awarded on a competitive basis, providing full tuition and educational fees, a specified amount for books and supplies, and a tax-free subsistence allowance of $450 per academic month.

Students do not have to be enrolled in Army ROTC to apply and incur no obligation by applying. The application timeframe is December to February. Special consideration is given to students in nursing, engineering, and the physical sciences. Four-year scholarships are available to students who apply while in high school or prior to enrollment. JCSU, in conjunction with the Army ROTC Program, offers four full scholarships (tuition and room and board) for ROTC scholarship candidates. Candidates are selected based on ROTC performance and academic standing.

COMMISSION REQUIREMENTS

To obtain a commission in the Army, Army National Guard, or Army Reserve, a student must successfully complete the Advanced Course, be recommended by the Professor of Military Science, and complete work leading to at least a baccalaureate degree.

MILITARY SCIENCE (AIR FORCE ROTC)

Courses for Undergraduates *(see Course Descriptions)*

AFROTC PROGRAM

To prepare themselves to serve as commissioned officers in the Air Force, students may participate in the Air Force Reserve Officers' Training Corps (AFROTC) offered by the Department of Aerospace Studies at UNC Charlotte.

AEROSPACE STUDIES

Aerospace Studies prepares students for leadership positions with the Air Force through the Pre-professional Program and offers courses to all students through the academic program. The curriculum examines multidisciplinary issues as they relate to leadership participation in the military environment.

ACADEMIC PROGRAM

The Academic Program (without affiliation with the formal Air Force ROTC program) is designed for students interested in gaining a perspective on military leadership, management, ethics, and discipline. Students who pursue this concentration should take the courses offered at UNC Charlotte through the consortium agreement. Participation in Leadership Laboratory courses at UNC Charlotte is available by special permission from the Department.

Pre-Professional Program/Air Force ROTC Program. The pre-professional track of the Aerospace Studies program is implemented at the Air Force Reserve Officer Training Corps. It provides three programs for students to qualify for a commission as a second lieutenant in the Air Force. To be eligible for the Air Force ROTC Pre-Professional Program, a student must be

a citizen of the United States, be physically qualified for commission in the Air Force, not under seventeen years of age, and, upon graduation, no more than thirty years of age. For those with prior military service, commissioning must occur not later than age thirty-five. If designated for flight training, the student must be able to complete all commissioning requirements prior to age twenty–six-and-a-half.

Cadets must pursue academics leading to at least a bachelor's degree and be willing to sign a formal agreement, at the beginning of the advanced course or upon initiation of a college scholarship. The agreement, an enlistment into the Air Force Reserve, obligates the student to remain in the ROTC program, accept a commission, and serve the required period in the Air Force upon graduation. Cadets must also demonstrate proficiency or successfully complete courses in mathematical reasoning and English composition before commissioning.

Four-Year Program. This program begins with the General Military Course (GMC) and offers coursework within the lower division. GMC students not on Air Force ROTC scholarship incur no military obligation. Each candidate for commissioning must pass each GMC course with a grade of C or better and pass the requisite lab. Students must score appropriately on an Air Force aptitude test, pass a medical examination and be selected by a board of Air Force officers. If selected, the student then enrolls in the Professional Officer Course (POC), the last two years of the Air Force ROTC curriculum. Students attend a four-week field training course at an Air Force base normally between the sophomore and junior years. All students in the POC receive a tax-free stipend of $150 a month. Upon successful completion of the POC and the requirements for a degree, the student is commissioned in the Air Force as a second lieutenant.

Two-Year Program. The basic requirement for entry into the two-year program is that the student has two academic years of college work remaining. Applicants seeking enrollment in the two-year program must pass Air Force aptitude and medical examinations and be selected by a board, of Air Force officers. After successfully completing a five-week field training course at an Air Force base, the applicant may enroll in the Professional Officer Course (POC). Upon completion of the POC and the college requirements for a degree, the student is commissioned as a second lieutenant. All students in the two-year program receive a tax-free stipend of $150 a month.

One-Year Program. This program is designed for students in selected majors who are completing their junior year. The designated majors are announced annually. Cadets in the one-year program complete the Professional Officer Course (POC) in approximately fifteen months, which includes a five-week field training encampment. Students attend the encampment prior to entering the program. Students can receive Air Force ROTC scholarship benefits of tuition, payments of fees and books, and a tax-free stipend of $150 per month.

SCHOLARSHIP PROGRAMS

Air Force ROTC awards scholarships at the freshman, sophomore, and junior levels. They are only provided for the professional track leading to a commission in the Air Force. They are available to qualified cadets in the one-year, two-year, and four-year programs. Scholarships are given on a semester basis. Full-time enrollment at JCSU or a consortium institution and in the Aerospace Studies program is a requirement for scholarship eligibility. Scholarships cover full tuition, fees, and books. Scholarship cadets also receive a tax-free stipend of $150 a month. Air Force ROTC students who accept a scholarship must agree to successfully complete at least one semester of college instruction or the equivalent in a major Indo-European or Asian language before commissioning. Scholarship recipients also are required to successfully complete an English composition course prior to entry into the junior year. Four-year scholarships also are available to high school students. High school students interested in applying should contact the Unit Admissions Officer within the Department. Initial four-year scholarship packages must be postmarked by December 1 prior to enrollment.

ADJUNCT PROGRAMS

Field Training. Two Field Training courses are offered, which are normally completed during the summer between the sophomore and junior years. One covers a four-week-period for students in the four-year program, and the other lasts five weeks and is designed for two-year program applicants. Transportation, lodging, meals, and approximately $130 per week are provided by the Air Force during Field Training.

Leadership Laboratory. Those students pursuing the pre-professional track will participate in a minimum of one hour per week during every semester of enrollment. The objective is to provide a laboratory environment where each student receives an opportunity to learn and develop leadership and management abilities. Cadets plan, organize, and carry out the entire cadet program with only minimal guidance from the staff advisers.

Professional Development Program. Students enrolled in the junior and senior years of Air Force ROTC may volunteer to attend a two or three-week orientation program at an Air Force base. This is an opportunity to observe and experience the working environment of an active Air Force facility and to obtain specific career information. Transportation, lodging, meals, and approximately $130 per week are provided by the Air Force during participation in this voluntary program.

SUMMER SCHOOL

ADMISSION

Johnson C. Smith University offers one six-week Summer Session each year that is open to all persons who are eligible in at least one of the following categories:

1. Persons desiring to take college courses for self-improvement
2. Students completing requirements for degrees at other colleges (Statement of approval from a designated official must be presented if credit is to be transferred.)
3. Students completing requirements for degrees at JCSU
4. High school graduates intending to pursue a degree at JCSU or another institution; (These persons must apply for admission to the regular University program through the Office of Admissions at JCSU or the institution to which the credit will be transferred.)
5. In-service teachers who desire to upgrade, renew, or convert their certificates
6. Veterans eligible under Public Law No. 91-219 of the Congress of the United States to take training in an approved institution. (JCSU is certified by the Veterans' Administration to provide training.)

Applications for admission may be obtained by writing to the Director of Summer School.

FEES

Tuition for students is based on the number of credits taken for a normal load of nine credit hours. An additional charge per credit hour will be made for any hours that exceed the normal load.

The fee for room and board will cover room cost and three meals per day. No deposit is required with the Summer School housing application. Students desiring room and board facilities should file an application with the Office of Residence Life and the Coordinator of Housing Services and Business Operation.

All fees are due and payable on the day of registration. Fees are not refundable after the first week. No exception to this regulation will be made for illness or any other reason. No refund will be made to students dismissed for academic or disciplinary reasons.

A late registration fee of $10 will be charged after the first day of each session.

This is subject to change without notice to students when deemed necessary by the University.

Late registration fees for veterans will not be paid by the Veterans' Administration. The veteran is personally responsible for late registration fees.

FINANCIAL AID

Financial Aid is available for students during Summer School on a case-by-case basis. Students must be meeting Satisfactory Academic Progress to receive aid. For information, contact the University's Office of Financial Aid.

COURSE OFFERINGS AND FACULTY SELECTION

Summer School courses are offered in most departments, depending upon demand. The Summer School faculty is usually composed of members from the regular faculty. Faculty members from other institutions are sometimes invited to join the Summer School faculty because of their special expertise.

ACADEMIC COLLEGES

Subjects are arranged under the following Colleges:

COLLEGE OF ARTS AND LETTERS

COLLEGE OF PROFESSIONAL STUDIES

COLLEGE OF SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS

METROPOLITAN COLLEGE

COLLEGE OF ARTS AND LETTERS

The College of Arts and Letters serves the University in five basic areas: basic communication skills, general liberal education foundation for all students, professional preparation in selected major fields within the College, pre-professional education, and cultural enrichment. The College plays a large part in fulfilling the University's mission of the "development of self-confidence, to the understanding of one's heritage as well as an awareness of the cultures of others." The College also strives to produce graduates who are able to communicate effectively, think critically, learn independently, and demonstrate competence in their chosen fields. Students may major in:

Communication Arts
Criminology
English
English Education
French
History
Interdisciplinary Studies
Music
Political Science
Psychology
Sacred Music
Spanish
Social Science
Visual and Performing Arts

Degrees With Honors

Students can earn Bachelor of Arts Degrees awarded by the College of Arts and Letters with Honors if eligibility requirements are met. These requirements are outlined at the head of each Department's program below.

The College of Arts and Letters consists of the following Departments: Languages and Literature, Interdisciplinary Studies, Philosophy and Religion, Social and Behavioral Sciences, and Visual, Performing, and Communication Arts. Through the general and specialized courses in its program, the College endeavors to acquaint students with the substance, methodology, and breadth of the humanities, arts, and social sciences; prepare students for careers in those fields; prepare students at the pre-professional level for further study in graduate schools; and, above all, stimulate and develop intellectual curiosity and imaginative creativity in each student.

The College's Departments provide students with the skills needed to accomplish the tasks of their professions and to enable them to lead fuller, more rewarding lives. Through study in the College, students gain appreciation of the arts, humanities, and sciences. It also prepares students for their future roles in a global society by providing opportunities for them to realize their individual potential.

Application for College of Arts and Letters Internship Programs

The application for the College of Arts and Letters Internship Program requires taking the JCSU CAL Internship Certification course, plus co-requisite approval by the Department Chair. Faculty may nominate freshmen; otherwise, any sophomore, junior, or senior may register for the internship certification course.

JCSU CAL Internship Certification

The JCSU CAL Internship Certification is designed to prepare the student for properly handling business activities and situations. Specific topics to be covered are: business attire/etiquette, business/resume writing, interviewing, confidentiality, and diversity/sexual harassment training.

If a student has extensive professional experience, an exemption is possible with letters of recommendation from two professors and Department Chair approval.

In addition to JCSU CAL Internship Certification, the supervising faculty and employer must provide specific training about the internship so the student properly understands the internship expectations and requirements.

Template for JCSU CAL Student Internship Qualification in Major

The following requirements may be customized by the individual Department in the College of Arts and Letters. The CAL template requires:

1. Twenty course credit hours as determined by the departmental internship coordinator.
2. A common set of contract and evaluation forms including

procedures that include a letter of reference from a professor.

3. Outlined standards to help advisor/faculty/employer ensure a proper fit.
4. Student learning outcomes to be documented to assess the student's experience through a written reflective essay and a presentation about the internship experience.

The internship faculty sponsor is responsible for proper documentation of all requirements.

THE DEPARTMENT OF INTERDISCIPLINARY STUDIES, PHILOSOPHY, AND RELIGION

The Department provides programs for students to earn a Bachelor of Arts Degree in the following areas, as well as courses in Philosophy and Religion that meet general education complementary studies requirements or general electives. The Department offers:

Major in Interdisciplinary Studies (IDS)
Minor in Global Studies
Minor in Philosophy
Minor in Religion

DEGREE WITH HONORS

The Department of Interdisciplinary Studies, Philosophy, and Religion seeks to recognize outstanding students, challenge their abilities, expose them to research problems, and prepare them to excel in graduate studies or other rewarding professional careers by allowing highly qualified and talented students to earn their degrees with Honors.

Eligibility

- Overall GPA of 3.5.
- Letter of recommendation from a professor in the discipline.
- Grade of C or better in all major courses at the time of application.

Requirements

- The Honors Degree Proposal: To apply to graduate with Honors, the student must submit a proposal outlining her or his interest in completing a substantial project or research Honors thesis and a formal Academic Plan of Study. Proposals must be completed and approved by the College of Arts and Letters Honors Review Committee in the Fall Semester before spring project completion.
- The Honors Advisor: Applicants invite an advisor from the IDS Advisory Board to guide the project from application through its defense.

- GPA: Overall GPA of 3.5.
- Presentations: Students must present, exhibit, or perform at least twice at an off-campus event, professional meeting, or conference.
- Defense: In addition to Senior Paper requirement, the Honors candidate will present and defend the project or research thesis as proposed and approved by the College of Arts and Letters Honors Review Committee during the student's final semester of enrollment. The student will make a public presentation and defense. The Committee, the student's academic advisor, the student's project/thesis advisor, and the Department Chair will determine if the presentation and defense are sufficient to graduate with Honors. Their decision is final.

The Interdisciplinary Studies Major

The Interdisciplinary Studies major, leading to the Bachelor of Arts Degree, is open to all students by application and approval. The major's core courses occur within a structured learning community.

Students must comply with all University requirements for graduation, including ones regarding General Education (Liberal Studies Program and Learning Across the Curriculum), Senior Paper, senior level proficiency exam, community service, and Lyceum attendance. The student must earn at least a grade of C in the required courses for the major and their prerequisites.

The Interdisciplinary Studies major is designed specifically to provide students with flexibility in pursuing an undergraduate education according to their individualized interests, needs, goals, and learning styles. As such, the Interdisciplinary Studies major is not to be combined with existing traditional majors. The academic integrity of all courses of study within the major is maintained through rigorous individualized advisement with the appropriate Department Chair(s) and/or adviser.

PROGRAM HOURS

I. Liberal Studies (core and complementary courses) 51 Credit Hours

II. Major in Interdisciplinary Studies

A. Required Core

1. IDS 231 (Introduction to Interdisciplinarity)
2. IDS 331 (Junior Seminar)
3. IDS 431 (Senior Seminar I)
4. IDS 431 (Senior Seminar II)

B. Dual Concentrations

Either

1.Self-designed Concentration A 18 Credit Hours

2. Self-designed Concentration B 18 Credit Hours

or

1. Self-designed Primary Concentration 21 Credit Hours
2. Self-designed Secondary Concentration 15 Credit Hours

or

1. Self-designed Concentration 18 Credit Hours

Total: 36 Credit Hours

C. Discipline-related electives
1. In the Humanities
2. In the Social Sciences
3. In the Natural Sciences

Total: 6 Credit Hours

IDS 216, IDS 217, and IDS 318 are required and substitute for one of the discipline-related electives. IDS 499 (Internship) can substitute for a second discipline-related elective or for a course in one of the concentrations.

TOTAL MAJOR HOURS	54 Credit Hours
III. Free Electives	17 Credit Hours
TOTAL HOURS	122 Credit Hours

The Global Studies Minor

The Global Studies minor is a flexible program that is open to all students. It is designed to focus students' attention on the complex world of globalization and on what it means to be a global citizen. To obtain a minor in Global Studies, a student must complete 18 Credit Hours from among the list of eligible courses.

REQUIRED HOURS 18 Credit Hours

The student chooses courses from the following list to total 18 Credit Hours:

- ACC 331 International Accounting 3 Credit Hours
- BAF 334 International Finance 3 Credit Hours
- BUS 233 Business Statistics 3 Credit Hours
- COM 432 Intercultural Communication 3 Credit Hours
- ECO 432 Economic Development 3 Credit Hours
- ECO 438 Environmental Economics 3 Credit Hours
- EDU 331 Issues and Trends in Education 3 Credit Hours
- HED 335 Minority Health 3 Credit Hours
- HIS 132 World Civilizations 1500 to Present 3 Credit Hours
- HIS 237 Introduction to Africa 3 Credit Hours
- HIS 238 Modern Latin America 3 Credit Hours
- HIS 337 West Africa 3 Credit Hours
- HIS 431 Twentieth Century Europe 3 Credit Hours
- HIS 432 Southern Africa 3 Credit Hours
- HIS 435 Northern Africa 3 Credit Hours

- IDS 496 Special Topics in Interdisciplinary Studies 3 Credit Hours
- LS 237 Studies in World Cultures 3 Credit Hours
- MGT 438 International Business 3 Credit Hours
- MKT 435 International Marketing 3 Credit Hours
- POL 230 Introduction to Political Analysis 3 Credit Hours
- POL 332 The Developing World 3 Credit Hours
- POL 334 International Relations 3 Credit Hours
- POL 335 Political Theory 3 Credit Hours
- POL 433 International Organization 3 Credit Hours

Philosophy And Religion

The Department also offers courses in Philosophy and Religion. PHI 131 and REL 131 meet the Humanities requirement in the Liberal Studies program.

The Philosophy Minor

15 Credit Hours are required

- PHI 233 Practical Logic 3 Credit Hours
- PHI 234 Ethics 3 Credit Hours
- PHI 300 Philosophy of Art 3 Credit Hours
- PHI 335/REL 335/SOC 335 The Sociology of Religion 3 Credit Hours
- PHI 432 Seminar in Philosophy 3 Credit Hours

The Religion Minor

15 Credit Hours are required

- REL 130 The Judeo-Christian Heritage 3 Credit Hours
- REL 131 Survey of Great Living Religions 3 Credit Hours
- PHI 234 Ethics 3 Credit Hours
- PHI 335/REL 335/SOC 335 The Sociology of Religion 3 Credit Hours
- REL 430 Seminar in Religion 3 Credit Hours

THE DEPARTMENT OF LANGUAGES AND LITERATURE

The Department provides programs for earned Bachelor of Arts Degrees in the following areas:

English
English Education
French
Spanish with a Concentration in Language and Literature
Spanish with a Concentration in Culture and Communications

Students may also choose minors in:

English
French
Spanish with a Concentration in Language and Literature
Spanish with a Concentration in Culture and Communications

The Department offers Arabic and Chinese courses that meet complementary course requirements in the Liberal Studies Program or as general electives.

DEGREE WITH HONORS IN LANGUAGES AND LITERATURE

The Department of Languages and Literature offers students with a strong academic record an opportunity to graduate with Honors. Interested students must demonstrate advanced written and oral aptitude in the major of their choice within the Department.

Eligibility

- Overall 3.3 GPA or better; 3.5 or better within the major.
- A grade of B or better in all major courses.

Application

- A letter of application describing why you are pursuing Honors and why you should be accepted.
- A writing sample.
- A letter of support from a faculty member.

Program Requirements

Students wishing to pursue Honors in English may choose between the following two options:

Option One: Honors Thesis

Directed by a professor of the student's choice and typically written during the senior year, the Honors Senior SIP is approximately 30 to 50 pages in length, which is longer than the conventional senior paper, but shorter than a typical master's thesis. Most projects are substantial studies in literature, literary theory, or some related area of English and Language. A committee will convene to consider all Honors-worthy students who have satisfied the additional requirements of the SIP. Students will either be Awarded First Honors (for an exceptional SIP); Second Honors (for a strong, but not exceptional, SIP); a Pass (which does not award Honors distinction but recognizes a passing effort); or a Fail.

Option Two: Community-Based Honors Project

The Honors Project is a community-based and service-oriented project that provides students with the tools to inform themselves of what

it means to be citizens of this city, this country, this world, of this University. The project has three points of focus: engaged citizenship, technology, and presentation. These are described below.

Engaged Citizenship

As the core of academic excellence in diverse settings, students are required to develop a service-learning project under the direction of a Department professor who will serve as the student's Honors Project faculty advisor. This project may be broad in scope, with an academic focus; however, it must address classroom and academic theories in a hands-on way.

Technology

Students must promote and facilitate awareness of their Departmental Honors projects by utilizing current and new technologies to share their experiences with three identified audiences: their major, the University, and the community. In this way, students will be able to demonstrate what they have learned about language, literature, and technology; how they have participated in these mediums; and how these mediums have changed them and/or helped them come to voice.

Presentation

Honors candidates will make public presentations of their projects during the final semester of enrollment. The project advisor, attending Department members, and the Department Chair will determine if the presentation is sufficient to be awarded the Degree with Honors. Their decision is final.

ENGLISH

The program in English seeks to accomplish the following goals: to provide the training essential for students to develop their abilities in reading and writing; to provide experiences in the study of literature, which will enhance a student's personal, intellectual, aesthetic, and cultural development; and to provide major and minor programs in English that prepare students for graduate and professional school, as well as for careers in education and various professions requiring a strong background in communication skills.

Students must comply with all the University's requirements for graduation, including the General Education requirements (Liberal Studies Program and the Learning Across the Curriculum requirement), Senior Paper, senior level proficiency exam, community service, and Lyceum attendance. The student must earn at least a grade of C in the required courses for the major and their prerequisites.

The English Major

The Literature Track

A student with an English major with a concentration in Literature is required to take a minimum of 36 Credit Hours above the sophomore literature requirement (English 232).

The Required Core of 21 Hours consists of:

- ENG 234 English Language, Literature, and Literacy — 3 Credit Hours
- ENG 333-334 British Literature or ENG 335-336 American Literature — 6 Credit Hours
- ENG 339 Shakespeare — 3 Credit Hours
- ENG 491 The English Language or ENG 493 Modern English Grammar — 3 Credit Hours
- ENG 439 Principles of Literary Criticism — 3 Credit Hours
- ENG 490 Senior Seminar — 3 Credit Hours

Also required: an additional 15 Hours of electives in the major, made up of 3 Credit Hours from each of five groups:

Group I: English Literature Before 1798

ENG 330 Chaucer
ENG 430 Milton
ENG 431 English Literature of the Restoration and the 18th Century — 3 Credit Hours

Group II: English Literature After 1798

ENG 435 Studies in Romantic Literature
ENG 436 Studies in Victorian Literature
ENG 440 The British Novel — 3 Credit Hours

Group III: American Literature

ENG 437 Contemporary Literature
ENG 441 The American Novel
ENG 494-495 African-American Literature — 3 Credit Hours

Group IV: Drama and Film

DRA 232 Introduction to Theatre
DRA 332 Film Criticism
DRA 333 Drama Workshop
DRA/ENG 433 Modern Drama
ENG 392 Screenplay Writing — 3 Credit Hours

Group V: Studies in Advanced Reading and Writing*

ENG 390 Studies in Textuality Advanced Reading
ENG 432 The Bible as Literature
ENG 331 Advanced Composition
ENG 337 Creative Writing 3
ENG 233 Business Writing 3 — 3 Credit Hours

NOTE: Each special topics course is assigned to a category appropriate to its subject.

** Students may also receive Group V credit for any one of the following cross-listed courses:*

COM 231, COM 334, or COM 434.	3 Credit Hours
English Majors must complete a second year of foreign language beyond the General Education requirement (French or Spanish):	6 Credit Hours

Writing Track

It is strongly recommended that all professional writing majors have a minor outside the Department of English. The purpose of this minor should be to help establish credentials to write in a technical area or specialized subject. Students should consult with their advisors when selecting their minor.

Students are required to take a minimum of 36 Credit Hours above the sophomore literature requirement (English 232).

The Required Core of 21 Hours consists of:

- ENG 234 English Language, Literature, and Literacy 3 Credit Hours
- ENG 331 Advanced Composition 3 Credit Hours
- ENG 333-334 British Literature or
- ENG 335-336 American Literature 6 Credit Hours
- Theory and Practices in Professional
- Writing (Technical/Scientific) 3 Credit Hours
- Classical Rhetoric 3 Credit Hours
- ENG 490 Senior Seminar 3 Credit Hours

Electives (15 Hours)

Choose five electives in rhetoric or creative writing. Some of the courses that can be chosen are listed below. (Note: The list below includes both specific courses as well as topics. This is done to allow sufficient flexibility to incorporate special-topic courses as well as appropriate courses from other Departments.)

1. COM 231: Media Writing
2. ENG 233: Business Writing
3. ENG 392: Screenplay Writing
4. ENG 337: Creative Writing
5. ENG 476-8: Internship
6. Creative Non-Fiction (oral history, ethnography, etc.)
7. Principles of Rhetoric - Introduction to methods of rhetorical criticism; the nature, scope, and function of rhetoric; classical and modern theories of rhetoric.
8. Principles of Digital and Visual Rhetoric
9. Rhetoric, Literacy, Power, and Agency
10. Rhetorics of Racism and the History of Rhetoric

11. Technical and Professional Editing
12. Advanced Professional Writing
13. Advanced Creative Writing
14. Language and Community (Combines community service (tutoring language and literacy) with theory (readings and discussions on linguistics, language, race/ethnicity).
15. Internship in Professional Writing (highly recommended/maybe considered a required course)

The English Education Major

Please note that this is a legacy program with a completion date in the 2015-16 academic year. Students will no longer be accepted into the English Education major.

The English Education major prepares students for secondary licensure (grades 9-12). Consisting of a minimum of 33 Credit Hours above the sophomore literature requirement, the English Education major includes the following requirements:

ENG 234 English Language, Literature, and Literacy
ENG 333-334 British Literature
ENG 335-336 American Literature
ENG 338 Literature and Media for Adolescents
ENG 339 Shakespeare
ENG 429 The Teaching of English
ENG 439 Principles of Literary Criticism
ENG 491 or 493 The English Language, or Modern English Grammar
ENG 490 Senior Seminar

In addition, students must complete the courses in Education and Psychology as prescribed by the Teacher Education Program. Where feasible, the English Education major may want to secure at least 15 Credit Hours in a secondary teaching field.

The English Minor

A minor in English consists of 18 Credit Hours in English above the sophomore literature requirement. Minors in English must earn a grade of C or better in all courses counting toward the minor.

The University-Wide Foreign Language Requirement

All JCSU students are required to satisfy the 131-132 sequence of a foreign language either by passing or placing out of the courses. All students who have studied a foreign language prior to matriculating are recommended to take a placement examination in that language. According to their scores, students will be placed in the 131, 132, 231 or 232 sequence of the language studied. Students who place in 231, or 232 will have satisfied the foreign language requirement of the Liberal Studies Program; however, no credit is granted. For any exempted hours, these students will have to substitute additional electives from University-wide course offerings. They

may elect to continue the study of foreign languages as electives upon the recommendation of their major Department. The language requirement can be met by one of these sequences:

ARA 131 and ARA 132: Elementary Arabic
CHI 131 and CHI 132: Elementary Chinese
FRE 131 and FRE 132: Elementary French
LAT 131 and LAT 132: Elementary Latin
SPA 131 and SPA 132: Elementary Spanish

Students who wish to satisfy the language requirement with a language other than those listed may take the equivalent of 131 and 132 at a college within the Charlotte Area Education Consortium.

FRENCH

All French majors will be required to satisfy the following basic courses: FRE 131-132 (a general education requirement) and FRE 231-232 (a 6-hour basic Departmental requirement), either by passing the courses or by placement; in the latter case, no credit is granted.

Students must comply with all University requirements for graduation, including the General Education requirements (Liberal Studies program and the Learning Across the Curriculum requirement), Senior Paper, senior level proficiency exam, community service, and Lyceum attendance. The student must earn at least a grade of C in the required courses for the major and their prerequisites.

The French Major

Consisting of 33 Credit Hours beyond the intermediate level, the French Major includes:

Required core of 21 hours:

- FRE 331 Survey of French Literature I 3 Credit Hours
- FRE 332 Survey of French Literature II 3 Credit Hours
- FRE 333 Advanced French Conversation 3 Credit Hours
- FRE 334 Applied French Phonetic 3 Credit Hours
- FRE 390 Junior Seminar 3 Credit Hours
- FRE 430 French Civilization 3 Credit Hours
- FRE 490 Senior Seminar 3 Credit Hours

Twelve hours of upper-level French electives:

- FRE 431 French Literature of the Middle Ages, or
  FRE 432 French Literature of the Renaissance
  3 Credit Hours
- FRE 433 French Literature of the 17th Century, or
  FRE 434 French Literature of the 18th Century
  3 Credit Hours
- FRE 435 French Literature of the 19th Century, or
  FRE 436 French Literature of the 20th Century
  3 Credit Hours

- FRE 437 Francophone Literature of Africa and the Caribbean,
  FRE 438 Francophone Literature of the Maghreb, or
  FRE 439 Francophone Civilization 3 Credit Hours

The French Minor

To obtain a minor in French, a student must complete eighteen 18 Credit Hours beyond French 232 and which must include FRE 331, 332, 333, and 430.

SPANISH

All Spanish majors will be required to satisfy the following basic courses: SPA 131-132 (a general education requirement) and SPA 231-232 (a 6-hour basic Departmental requirement), either by passing the courses or by placement; in the latter case, no credit is granted.

Students must comply with all University requirements for graduation, including General Education requirements (Liberal Studies program and the Learning Across the Curriculum requirement), Senior Paper, senior level proficiency exam, community service, and Lyceum attendance. A student must earn at least a grade of C in the required courses for the major and their prerequisites.

The Spanish Major

Consisting of 33 Credit Hours beyond the intermediate level, the Spanish major offers concentrations in one of two areas:

Spanish Language and Literature: Focuses on the Spanish language and the literatures of Latin America and Spain.

This concentration is recommended for students who plan on continuing their Spanish studies at the graduate level with the intention of working in an academic setting.

Culture and Communication: Focuses on Hispanic cultures and development of oral proficiency.

This concentration is recommended for students who plan to put their language skills to use in an applied context, such as health care, education, law enforcement, public service, or business.

Spanish Language and Literature Concentration

Consisting of 33 Credit Hours beyond the intermediate level, this concentration includes:

Required Core of 21 Credit Hours:

- SPA 331 Advanced Spanish Grammar 3 Credit Hours
- SPA 332 Applied Spanish Phonetics 3 Credit Hours
- SPA 333 Introduction to Hispanic Literature 3 Credit Hours
- SPA 334 Latin American Civilization 3 Credit Hours
- SPA 390 Junior Seminar 3 Credit Hours
- SPA 430 Spanish Civilization 3 Credit Hours

- SPA 490 Senior Seminar 3 Credit Hours

Twelve Credit Hours from these courses:

- SPA 431 Survey of Spanish Literature, or
  SPA 432 Survey of Latin American Literature 3 Credit Hours
- SPA 433 Spanish Poetry, or
  SPA 434 Spanish Prose Fiction 3 Credit Hours
- SPA 435 Latin American Poetry
  or SPA 436 Latin American Prose Fiction 3 Credit Hours
- SPA 437 Hispanic Film or
  SPA 438 Afro-Hispanic Literature and Culture 3 Credit Hours

Spanish Culture and Communication Concentration

Consisting of 33 Credit Hours beyond the intermediate level, this concentration includes:

Required Core of 21 Hours

- SPA 330 Spanish Conversation I
- SPA 331 Advanced Spanish Grammar
- SPA 334 Latin American Culture
- SPA 338 Spanish Conversation II
- SPA 390 Junior Seminar
- SPA 430 Spanish Culture
- SPA 490 Senior Seminar

Twelve Credit Hours from these courses:

- SPA 235 Internship in Spanish
- SPA 236 Spanish for Business and Technology
- SPA 237 Spanish for Social Services
- SPA 238 Spanish for Law Enforcement
- SPA 239 Spanish for Healthcare Professionals
- SPA 337 Techniques in Translation of Spanish
- SPA 339 Spanish for Educators
- SPA 395/495 Field Study in a Spanish-Speaking Country
- SPA 437 Hispanic Film
- SPA 438 Afro-Hispanic Literature and Culture
- SPA 439 Don Quixote
- SPA 496-497-498 Special Topics in Spanish

The Spanish Language and Literature Minor

A student must complete 18 Credit Hours beyond Spanish 232, which must include SPA 331, 332, 333, and 430.

The Spanish Culture and Communication Minor

To obtain a Spanish minor with a concentration in Culture and Communication, a student must complete 18 Credit Hours beyond Spanish 232. These must include SPA 330, SPA 331, SPA 334, and SPA 338.

THE DEPARTMENT OF SOCIAL AND BEHAVIORAL SCIENCES

The Department provides programs for earned Bachelor of Arts Degrees in the following areas:

Criminology
History
Political Science
Psychology
(Concentrations in Clinical, Biomedical,
or Developmental Psychology)

The Department offers Minors in the following areas:

African-American and African Studies
Criminology
History
International Affairs
Political Science
Pre-Law
Psychology
Sociology

Students may also choose to minor in Criminology, History, Political Science, Sociology, Pre-Law, or International Studies. The Department houses Liberal Studies 235 and Liberal Studies 238-239, which meet course requirements in the Liberal Studies Program.

CRIMINOLOGY

The Criminology major is designed to prepare students for a variety of careers within the criminal justice system and graduate study. A systems approach emphasizes the practice and administration of law enforcement, courts, and corrections, as well as the special concern for juveniles in the justice system. With heightened awareness of crime and issues of security in all aspects of American life, this major offers a wide spectrum of career opportunities.

Students must comply with all University requirements for graduation, including the General Education requirements (Liberal Studies program and the Learning Across the Curriculum requirement), Senior Paper, senior level proficiency exam, community service, and Lyceum attendance. The student must earn at least a grade of C in the core Criminology curriculum as well as their prerequisites.

The Criminology Major

Consisting of a minimum of 45 Credit Hours, the Criminology major requires these courses:

Required core of 36 Credit Hours:

- CRIM 131 Introduction to Criminal Justice 3 Credit Hours
- SOC 131 Introduction to Sociology 3 Credit Hours
- CRIM 237 Juvenile Delinquency 3 Credit Hours
- CRIM 332 Law Enforcement and the Community 3 Credit Hours
- CRIM 335 Corrections 3 Credit Hours
- CRIM 339 Criminology 3 Credit Hours
- CRIM 432 Research Methods I 3 Credit Hours
- CRIM 433 Research Methods II 3 Credit Hours
- CRIM 435 Criminal Law 3 Credit Hours
- CRIM 436 Internship 3 Credit Hours
- CRIM 490 Senior Investigative Paper 3 Credit Hours
- Twelve (12) hours of Criminology electives 12 Credit Hours

Criminology majors must also complete the following coursework and earn at least a grade of C in each course:

Three hours of statistics from the following:

- MTH 136, Introductory Statistics or
- SOC/PSY 233 Descriptive and
- Predictive Statistics 3 Credit Hours

Nine hours of Social Science courses, including:

- POL 131 American Government 3 Credit Hours
- Social Science electives from Anthropology, Economics, History, Political Science, Psychology, or Social Work 6 Credit Hours

The Criminology Minor

A minor in Criminology consists of 18 Credit Hours in Criminology including CRIM 131. Minors in Criminology must earn a grade of C or above in all courses counting toward the minor.

HISTORY

Students must comply with all University requirements for graduation, including the General Education requirements (Liberal Studies program and the Learning Across the Curriculum requirement), Senior Paper, senior level proficiency exam, community service, and Lyceum attendance. The

student must earn at least a grade of C in the required courses for the major and their prerequisites.

History with Honors:

The Department of Social and Behavioral Sciences offers to exceptional History majors an opportunity to graduate with Honors. To qualify, interested students must meet eligibility standards, apply to members of the History faculty, and meet certain other requirements.

Eligibility

- 3.2 overall Grade Point Average (with at least 60 Credit Hours completed)
- 3.5 Grade Point Average in History classes

Application

- Students wishing to apply for Honors in the History major must submit a letter describing the student's proposed research topic, its historiographical foundation, and their plans after graduation, including graduate school or professional work in the field of History.

Requirements to Graduate with Honors in History

- Students must have a 3.5 GPA in History at the time of graduation.
- Students must successfully complete a defense of their Senior Investigative Paper before a panel of historians and other faculty as selected by History faculty.
- Students must submit their research paper to an undergraduate research journal for consideration for publication or present the paper at an academic conference. (Having the paper accepted by conference organizers with plans to attend will also satisfy this requirement.)
- Students must complete, by the time of graduation, an application to graduate school in History or a job application in the field of History.

The History Major

Consisting of a minimum of 42 Credit Hours, the required courses for a History major are:

Required Core of 21 Credit Hours.

- HIS 135 History of the United States to 1865

- HIS 136 History of the United States to Present
- HIS 200 Historical Methodology
- HIS 338 Topics in African-American History I
- HIS 339 Topics in African-American History II
- HIS 490 Senior Investigative Paper I
- HIS 491 Senior Investigative Paper II

An additional 9 Credit Hours in the major (3 Credit Hours from each group and HIS 436-437):

- **Group I: United States History**

  HIS 231 North Carolina History
  HIS 330 American Colonial Civilization
  HIS 331 Public History
  HIS 333 Diplomatic History of the United States
  HIS 334 American Revolution and Federal Period: 1776-1820
  HIS 336 Emergence of Modern America: 1865-1914
  HIS 392 Women's History
  HIS 393 United States in the Twentieth Century
  HIS 433 The Old South
  HIS 434 The New South
  HIS 438 Internship in Public History
  HIS 439 Internship

  3 Credit Hours

- **Group II: Europe History**

  HIS 394 Early Modern Europe: 1350-1789
  HIS 430 Nineteenth Century Europe: 1789-19 14
  HIS 431 Twentieth Century Europe

  3 Credit Hours

- **Group III: Non-Western History**

  HIS 237 Introduction to Africa
  HIS 238 Modern Latin America
  HIS 239 Plantation Societies in the Americas
  HIS 337 West Africa
  HIS 432 Southern Africa
  HIS 435 Northern Africa

  3 Credit Hours

Six hours of elective for the History major may be selected from any of the History courses not taken to meet any of the above requirements.

6 Credit Hours

Additional Courses Required for the History Major:

ECON 231 Principles of Macroeconomics

POL 131 American Government
SOC 131 Principles of Sociology

9 Credit Hours

The History Minor

A minor in History consists of 18 Credit Hours including LS 238, LS 239, HIS 135, and HIS 136. Minors in History must earn a grade of C or above in all courses counting toward the minor.

POLITICAL SCIENCE

The curriculum in Political Science is designed to prepare students for civic participation, graduate or professional study, private or public employment, or teaching.

Students must comply with all University requirements for graduation, including the General Education requirements (Liberal Studies program and the Learning Across the Curriculum requirement), Senior Paper, senior level proficiency exam, community service, and Lyceum attendance. The student must earn at least a grade of C in the core Criminology curriculum and their prerequisites.

The Political Science Major

Consisting of a minimum of 42 Credit Hours, the required courses for the Political Science major are:

Required core of 22 Credit Hours:

- POL 131 American Government
- POL 230 Introduction to Political Analysis
- POL 330 Public Administration and Management
- POL 333 Comparative Political Systems
- POL 334 International Relations
- POL 335 Political Theory
- POL 398 Research Methods
- POL 431 Policy Analysis
- POL 434 Foundations of Constitutional Law
- POL 499 Senior Paper

22 Credit Hours

An additional 15 elective hours in the major from the following courses:

- POL 231 State and Local Politics
- POL 330 Public Administration and Management
- POL 331 Law and Politics
- POL 332 The Developing World
- POL 339 Black Political Thought
- POL 432 Seminar in American Politics

- POL 433 International Organizations
- POL 435 Civil Rights and Civil Liberties
- POL 436 Bureaucracy and Organizational Behavior
- POL 437 Foreign Policy
- POL 439 Internship
- POL 491 Special Topics in Political Science

15 Credit Hours

Majors also must take:

- ECON 231 Principles of Macroeconomics
- HIS 136 History of the United States to 1865
- SOC 131 Principles of Sociology
- SOC 233 or MTH 136 Statistics

12 Credit Hours

The Political Science Minor

A minor in Political Science consists of 17 Credit Hours of course work in Political Science including POL 131 and POL 230. Minors in Political Science must earn a grade of C or above for all courses counting toward the minor.

PSYCHOLOGY

The Department of Social and Behavioral Sciences offers a program leading to a Bachelor of Arts Degree in Psychology. In an effort to keep pace with the discipline, adhere to national recommendations, and meet the needs of our students, the Bachelor of Arts degree in Psychology is offered in three concentrations:

Psychology with an Applied Concentration
(With three possible tracks: Clinical, Industrial Organization,or Health)
Psychology with a Biomedical Concentration
Psychology with a Developmental Concentration

Students may also choose to minor in Psychology. Psychology is defined as the science of behavior and mental processes. In adherence with this definition, the curriculum emphasizes the scientific nature of Psychology. The core of required courses is designed to provide a scientific foundation that will prepare students for the job market as well as for graduate or professional study.

The program in Psychology seeks to provide students with opportunities for intellectual, professional, and personal development through academic

course offerings and Department-sponsored support activities. The program is specifically designed to:

a. Equip majors and minors with a solid general background in Psychology which will allow them to compete successfully for and complete opportunities in graduate studies in the field
b. Equip majors and minors with those relevant subject matter skills that will prepare them for graduate level work in other related disciplines
c. Prepare students anticipating immediate entrance into the job market upon graduation with marketable skills

Students must comply with all University requirements for graduation, including the General Education requirements (Liberal Studies program and the Learning Across the Curriculum requirement), Senior Paper, senior level proficiency exam, community service, and Lyceum attendance. The student must earn at least a grade of C in the required courses for the major and their prerequisites.

Majors may select one of the Applied Concentrations, the Biomedical Concentration, or the Developmental Concentration as an area of focus, dependent upon their post-graduation plans. The concentration selected must be supplemented by at least one course from each of the Psychology electives category not represented in the concentration selected.

For example, a student selecting any of the Applied Concentrations must also select at least one course from the Biological/Cognitive category and one course from the Developmental/Sociocultural category. Likewise, a student selecting the Biomedical Concentration must also select at least one course from the Developmental/ Sociocultural category and one course from the Applied/Clinical category.

Majors choosing not to select a concentration must select at least one course from one of the Applied Concentration areas, one course from the Biomedical Concentration, and one course from the Developmental Concentration for a total of 9 Credit Hours. They may not overlap across Concentrations. Majors must also select at least one additional course from two of the Psychology electives categories (Biological/Cognitive, Developmental/Sociocultural, or Applied/Clinical) for an additional 6 Credit Hours.

The Psychology Major

Thirty-three Credit Hours of Psychology and 4 Credit Hours of Biology are required for a BA degree in Psychology with an area concentration. (6 required courses, 3 Concentration courses, 2 electives, and 1 Biology course).

Required courses (22 Credit Hours)

- PSY 131 General Psychology
- PSY 132 Research in Psychology
- PSY 233 Descriptive and Predictive Statistics
- PSY 234 Inferential Statistics
- PSY 333 Experimental Research Methods
- PSY 430 Senior Seminar in Psychology
- Biology 142 or higher (Substitutes for LS 135, a Liberal Studies requirement)

Applied Concentrations (9 Credit Hours)

Clinical

- Psychology of Adjustment (PSY 231)
- Health Psychology (PSY 332)
- Abnormal Psychology (PSY 432)

Industrial Organizational

- Psychology of Adjustment (PSY 231)
- Consumer Behavior (PSY 336)
- Industrial/Organizational Psychology (PSY 337)

Health

- Health Psychology (PSY 332)
- Physiological Psychology (PSY 392)
- Abnormal Psychology (PSY 432)

Biomedical Concentration (9 Credit Hours)

- Health Psychology (PSY 332)
- Physiological Psychology (PSY 392)
- BioInformatics (CSC 336)

Developmental Concentration (9 Credit Hours)

- Psychology of the Exceptional (PSY 230)
- Psychology of Childhood (PSY 235) or Psychology of Adolescence (PSY 237)
- Educational Psychology (PSY 239)

Psychology Electives (6 Credit Hours): Select one course from each category that does not contain your concentration courses.

Biological/Cognitive Category

- PSY 332 Health Psychology
- PSY 330 Psychology of Learning
- PSY 392 Physiological Psychology

Developmental/Sociocultural Category

- PSY 230 Psychology of the Exceptional
- PSY 235 Psychology of Childhood
- PSY 237 Psychology of Adolescence
- PSY 239 Educational Psychology
- PSY 331 Black Psychology
- PSY 390 Women Race & Class
- PSY 431 Social Psychology

Applied/Clinical Category

- PSY 231 Psychology of Adjustment
- PSY 336 Consumer Behavior
- PSY 334 Quantitative and Qualitative Psychology
- PSY 337 Industrial/Organizational
- PSY 338 Personality Theory
- PSY 339 Principles of Measurement
- PSY 432 Abnormal Psychology
- PSY 434 Introduction to Clinical Psychology
- PSY 435 Theoretical Psychology

Additional (Optional) Electives

- PSY 315-335 Selected Topics in Psychology
- PSY 433 Internship
- PSY 416-436 Independent Research

The Psychology Minor

A minor in Psychology consists of 18 Credit Hours which includes:
6 Credit Hours

- General Psychology (PSY 131)
- Research in Psychology (PSY 132W)

Two of the following courses: 6 Credit Hours

- Descriptive and Predictive Statistics (PSY 233)
- Psychology of Learning (PSY 330)
- Experimental Research Methods (PSY 333W)
- Personality Theory (PSY 338)
- Physiological Psychology (PSY 392)
- Theoretical Psychology (PSY 435)

Psychology electives complete the remaining 6 Credit Hours.

The student must earn a grade of C or better in prerequisites and in all courses required for graduation in this major or minor.

The African-American and African Studies Minor

The minor in African-American and African Studies provides students with a broad and in-depth knowledge of the Black Experience, which includes the experiences of all peoples of African descent, including historical, economic, geopolitical, and socio-cultural perspectives. The minor has an interdisciplinary focus, and it is open to students in all majors who may wish to pursue academic and/or career goals in African-American or African Studies or related fields.

Requirements

Students in all University majors who wish to minor in the AAAS will be required to complete 18 Credit Hours of specified courses with an overall Grade Point Average of at least 2.5. Students are also required to meet all other University General Education requirements, as appropriate. The requirements for the minor are:

Required Core of 9 Credit Hours:

AAS 231 Introduction to African-American Studies
HIS 237 Introduction to Africa
HIS 338 Topics in African-American History I

An additional 9 elective hours; 3 Credit Hours from each group:

Group 1 History and Culture

AAS 495 Special Topics
HIS 238 Modern Latin America
HIS 239 Plantation Societies in the Americas
HIS 432 Southern Africa
HIS 337 West Africa
HIS 435 Northern Africa
HIS 339 African-American History II
PSY 331 Black Psychology

Group 2 Language, Literature and the Arts

AAS 495 Special Topics
ART 134 Afro-American Art History
ENG 494-495 African-American Literature
DRA 330 African-American Film History
MUS 130 Introduction to African-American Music
COM 433 The African-American Press

Group 3 Politics, Economics, Health

AAS 495 Special Topics
POL 339 Black Political Thought

POL 332 The Developing World
ECO 432 Economic Development
HED 322 Minority Health Problems and Issues

The Pre-Law Minor

Law schools seek young men and women with analytical minds who can think clearly and logically and who express themselves both orally and in writing. The Association of American Law Schools advises the pre-law student to "major in the field in which he is most interested and do as well as he can in all his subjects." The Pre-Law minor is designed to prepare students for admission to and success in law school.

Students will be required to complete 18 Credit Hours of specified courses, maintain a 2.5 GPA, and satisfy all other University requirements. Successful completion of the minor will be recognized on the student's transcript.

Required Courses, 6 Credit Hours

LAW 230 Introduction to Legal Studies
LAW 394 LSAT Preparation

Electives, 12 Credit Hours

- ACC 235 Introduction to Financial Accounting
- BUS 335 The Legal Environment of the Firm
- CRIM 131 Introduction to Criminal Justice
- CRIM 435 Criminal Law
- ENG 391 Advanced Composition
- HIS 135 History of the United States to 1865
- HIS 136 History of the United States since 1865
- PED 434 Sports Law
- PHI 233 Practical Logic
- POL 131 American Government
- POL 331 Law and Politics
- POL 434 Constitutional Law
- POL 435 Civil Rights and Civil Liberties
- POL 491 Moot Court

The Sociology Minor

A minor in Sociology consists of 18 Credit Hours of coursework including SOC 131. Minors in Sociology must earn a C or above for all courses counting toward the minor.

Required Course, 3 Credit Hours

- SOC 131 Introduction to Sociology

Electives, 15 Credit Hours

- SOC 133 Introduction to Cultural Anthropology
- SOC 233 Statistics
- SOC 234 Introduction to Gerontology
- SOC 238 Social Problems
- SOC 239 Sex Roles
- SOC 332 Urban Sociology
- SOC 333 Social Stratification
- SOC 335 Sociology of Religion
- SOC 338 Deviant Behavior
- SOC 434 Sociological Theory
- SOC 436 Internship in Sociology
- SOC 494 Special Topics in Sociology and Anthropology

THE DEPARTMENT OF VISUAL, PERFORMING, AND COMMUNICATION ARTS

The Department provides programs for earned Bachelor of Arts Degrees from the University in the following areas:

Communication Arts
Music
(Concentrations in Music Performance,
Music Business and Technology, and Sacred Music)
Visual And Performing Arts
(Concentrations in Dance, Film, Graphic Art,
Studio Art, and Theatre)

The Department also offers Minors in:

Fine Arts
Communication Arts
Dance
Music
Theatre

The Department also offers ART 231, COM 130, and MUS 131, which meet complementary course requirements in the Liberal Studies Program or general electives.

DEGREES WITH HONORS

The Visual, Performing, and Communication Arts Department seeks to recognize outstanding students, challenge their abilities, expose them to research problems, and prepare them to excel in graduate studies or other rewarding professional careers by allowing highly qualified and highly talented students to earn Honors Degrees in their majors. As a part of this program, students will be able to make academic choices and develop skills beyond the typical curriculum.

Eligibility

- Overall GPA of 3.5
- Letter or recommendation from a professor in the discipline
- Grade of C or better in all major courses at the time of application

Requirements

The Honors Degree Proposal

To apply to graduate with Honors, the student must submit a proposal outlining her or his interest in completing a substantial project or research Honors thesis and three graduate school admission applications or three professional job applications (to remain on file until graduation). Proposals must be completed and approved by the College of Arts and

Letters Honors Review Committee in the Fall Semester before the Spring Semester of the project completion.

The Honors Advisor

Applicants invite an advisor in the discipline to guide the project from application through defense.

Presentations

Students must present, exhibit, or perform at least twice at an off-campus event, professional meeting, or conference.

Defense

In addition to and separate from the normal Senior Paper requirement, the Honors candidate will present and defend the project or research thesis as proposed and approved by College of Arts and Letters Honors Review Committee during the student's final semester. The student will make a public presentation and defense. The Committee, the student's academic advisor, the student's project/thesis advisor, and the Department Chair will determine if the presentation and defense are sufficient to be awarded the Degree with Honors. Their decision is final.

COMMUNICATION ARTS

The Communication Arts program educates students to meet the increasing demand for graduates trained in media production, journalism, public relations, or marketing communications. Video and audio production facilities, television and radio stations, newspapers, magazines, public relations agencies, and Internet communications firms seek graduates trained as broadcasters, reporters, editors, photographers, production personnel, public relations practitioners, and other communications professionals.

The primary goals of Communication Arts are to develop student talent for internships, job opportunities, and/or graduate school; to ground each student in a broad spectrum of the mass media; to maintain a reciprocal relationship between JCSU and local radio, television, video production, newspaper, magazine, public relations, and graphic design establishments; and to provide opportunities for students to gain experience in professional media.

The Communication Arts curriculum is based on a four-year program. Students must take 53 hours of Honors Program courses (+3 hours for COM 130). The major requires a minimum of 42 hours in the major with specific course requirements listed below.

Students must have earned a grade of C or better in COM 130 before they take COM 230 and a C or better in ENG 131 and ENG 132 before they take COM 231, typically in their sophomore year. COM 231 is a prerequisite for the core requirements in the Communication Arts major.

Even though internships are not required, they are highly recommended.

A student may minor in Communication Arts with a minimum of 21 Credit Hours in classes required of the major and monitored by a Communication Arts advisor. Students must earn a minimum grade of C in all prescribed courses.

Students must comply with all University requirements for graduation, including the General Education requirements (Liberal Studies program and the Learning Across the Curriculum requirement), Senior Paper, senior level proficiency exam, community service, and Lyceum attendance. The student must earn at least a grade of C in any of the required courses for the major and their prerequisites.

The Communication Arts Major

Consists of 42 Credit Hours:

Core Courses: The following 3-credit hour classes (24 hours) are required for all Communication Arts majors:

- COM 230, Introduction to Mass Communication
- COM 231, Media Writing
- COM 360, Junior Seminar
- COM 460, Senior Seminar
- COM 438, Speaking in the Professions
- COM 232, Mass Communication Theory
- COM 238, Audio Production and Programming I
- COM 239, Video Production and Programming I

The student must choose one course from each of the following pairs of options (12 hours):

- COM 431, Media Literacy and Criticism or COM 432, Intercultural Communication
- COM 233, Photojournalism I or COM 235, Design I
- COM 330, Reporting, or COM 331 Feature Writing
- COM 335, Public Relations I or COM 336 Public Relations II or COM 430, Integrated Marketing Communications

Students may elect other Communication Arts courses, or, with advice from a Communication Arts advisor, select Drama, Art, Marketing, or Management classes to complete the remaining 6 hours of the major requirements.

The Communication Arts Minor

A minor in Communication Arts consists of 21 Credit Hours in Communication Arts with courses monitored by a Communication Arts advisor. Minors in Communication Arts must earn a grade of C or above for all courses counting toward the minor.

MUSIC

The Department provides programs for the Bachelors of Arts Degree in Music with concentrations in the following areas:

Sacred Music
Music Performance
Music Business and Technology

The Bachelor of Arts in Music with a concentration in Sacred Music prepares students for careers in the music ministry, including positions as music directors, organists, accompanists, worship leaders, and other music-related fields such as private teaching and performance.

The Bachelor of Arts in Music with a concentration in Music Business and Technology prepares students for careers in the music industry and in music-related fields of business such as music production, engineering, and music synthesis, as well as a host of careers with record companies, such as consumer researcher, director of publicity, marketing representative, public relations counselor, and regional sales manager.

The Bachelor of Arts in Music with a concentration in Music Performance prepares students for careers and graduate study as performers in piano, voice, and instrumental music, as well as careers in studio teaching, opera, vocal coaching, orchestral performance, and other performance-based professions.

Students must comply with all University requirements for graduation, including the General Education requirements (Liberal Studies program and the Learning Across the Curriculum requirement), Senior Paper, senior level proficiency exam, community service, and Lyceum attendance. The student must earn at least a grade of C in the required courses for the major and their prerequisites.

Music Business and Technology Concentration

Consists of a total of 123 Credit Hours with the following requirements:

Required Core of 33 hours:

- MUS 143 Music Theory I — 3 Credit Hours
- MUS 144 Music Theory II — 3 Credit Hours
- MUS 510 Sight-Singing/Ear-Training I — 1 Credit Hour
- MUS 511 Sight-Singing/Ear-Training II — 1 Credit Hour
- MUS 337 Music History and Literature I — 3 Credit Hours
- MUS 338 Music History and Literature II — 3 Credit Hours
- Applied Music Principal Instrument or Voice — 4 Credit Hours
- Piano for Piano Proficiency — 3 Credit Hours
- Ensembles (Includes Choir, Band, or Electronic Music Ensembles) — 8 Credit Hours
- MUS 429 Senior Seminar — 4 Credit Hours

An additional 32 hours in the major consisting of the following combination of Music and other courses are required:

- MUS 232 Introduction to Music Technologies 2 Credit Hours
- MUS 331 Introduction to Music Business 3 Credit Hours
- MUS 332 Survey of Electronic Music 3 Credit Hours
- MUS 439 Music Internship 3 Credit Hours
- ACC 235 Principles of Accounting I 3 Credit Hours
- BUS 233 Business Statistics 3 Credit Hours
- ECO 231 Principles of Economics 3 Credit Hours
- BUS 330 Business Finance 3 Credit Hours
- BUS 335 Legal Environment of the Firm* 3 Credit Hours
- MGT 333 Principles of Management 3 Credit Hours
- MKT 331 Principles of Marketing 3 Credit Hours

**Students may substitute BUS 336 (Elements of Business Law) for this course.*

Performance Concentration

Consists of a total of 122 Credit Hours with the following requirements:

Required Core of 35 hours:

- MUS 143 Music Theory I 4 Credit Hours
- MUS 144 Music Theory II 4 Credit Hours
- MUS 510 Sight-Singing/Ear-Training I 1 Credit Hour
- MUS 511 Sight-Singing/Ear-Training II 1 Credit Hour
- MUS 337 Music History and Literature I 3 Credit Hours
- MUS 338 Music History and Literature II 3 Credit Hours
- Applied Music Principal Instrument or Voice 4 Credit Hours
- Piano for Piano Proficiency 3 Credit Hours
- Ensembles (Includes Choir, Band, or Electronic Music Ensembles) 8 Credit Hours
- MUS 429 Senior Seminar 4 Credit Hours

An additional 18 to 24 Credit Hours in concentration-specific Music courses are required, depending whether the student's emphasis falls into the Voice, Piano, or Instrumental category:

ALL PERFORMANCE MAJORS (regardless of emphasis)

- MUS 243 Music Theory III 3 Credit Hours
- MUS 244 Music Theory IV 3 Credit Hours
- Applied Music (Major Instrument, additional study) 4 Credit Hours

VOICE EMPHASIS (12 to 14 Credit Hours from among these choices):

- MUS 321 Vocal Pedagogy* 2-4 Credit Hours
- MUS 326 Song Literature* 2-4 Credit Hours
- MUS 524 Vocal Diction 6 Credit Hours
  - A. Italian
  - B. French
  - C. German

NOTE: *A Performance student whose emphasis is Voice must take one of each section in MUS 524 (Italian, French, German) for a total of 6 credits.*

PIANO EMPHASIS (8 to 14 Credit Hours from among these choices):

- MUS 324 Piano Pedagogy* 2-4 Credit Hours
- MUS 327 Piano Literature* 2-4 Credit Hours
- MUS 522 Piano Accompanying* 2-4 Credit Hours
  A. Vocal
  B. Instrumental

NOTE*: A Performance student whose emphasis is Piano - Vocal Accompanying/Coaching is required to complete the Vocal Diction and Vocal Literature courses listed under Voice Emphasis. These students may choose a minor in foreign languages to replace the Vocal Diction courses.*

INSTRUMENTAL EMPHASIS (8 to 2 Credit Hours from among these choices):

- MUS 328 Instrumental Literature* 2-4 Credit Hours
- MUS 329 Instrumental Pedagogy* 2-4 Credit Hours
- MUS 523 Symphonic/Chamber Music Literature* 2-4 Credit Hours

Courses marked with an asterisk (*) may be repeated for up to 4 Credit Hours.

Sacred Music Concentration

Consists of a total of 126 Credit Hours with the following requirements:

Required Core of 35 hours:

- MUS 143 Music Theory I 4 Credit Hours
- MUS 144 Music Theory II 4 Credit Hours
- MUS 510 Sight-Singing/Ear-Training I 1 Credit Hour
- MUS 511 Sight-Singing/Ear-Training II 1 Credit Hour
- MUS 337 Music History and Literature I 3 Credit Hours
- MUS 338 Music History and Literature II 3 Credit Hours
- Applied Music Principal Instrument or Voice 4 Credit Hours
- Piano for Piano Proficiency 3 Credit Hours
- Ensembles (Includes Choir, Band, or Electronic Music Ensembles) 8 Credit Hours
- MUS 429 Senior Seminar 4 Credit Hours

An additional 31 hours in the major consisting of the following combination of Music and other courses are required:

- MUS 232 Introduction to Music Technologies 2 Credit Hours
- MUS 243 Music Theory III 3 Credit Hours
- MUS 244 Music Theory IV 3 Credit Hours
- Applied Music (Major Instrument) (additional study) 4 Credit Hours

- MUS 322 Conducting 2 Credit Hours
- MUS 325 Introduction to Music Ministry 2 Credit Hours
- MUS 333 Sacred Music Literature 3 Credit Hours
- MUS 334 Hymnology 3 Credit Hours
- MUS 439 Internship 3 Credit Hours
- MUS 433 or 434* 3 Credit Hours
- MGT 333 Principles of Management 3 Credit Hours

** Students elect either Choral or Instrumental Methods.*

The Music Minor

A minor in Music consists of 20 Credit Hours, including Music Theory I and Music Theory II (3 Credit Hours each), 2 Credit Hours of Sight-singing/ear-training (MUS 510 - 511), 6 Credit Hours of Music History/ Literature (MUS 337 and MUS 338), 3 Credit Hours of Applied Music, and 3 Credit Hours of approved electives. Minors in Music must earn a grade of C or above in all courses counting toward the minor.

VISUAL AND PERFORMING ARTS

Performing and Visual Arts students are creative thinkers. They are members of a community of developing and professional teacher-artists who share a passion for the craft, process, and creativity in their chosen disciplines. Performing and Visual Arts students are devoted to developing professional careers. They have developed an informed appreciation for the craft and creativity of other disciplines. Additionally they integrate innovation with tradition grounded in a socially engaged expression of the human condition.

The Visual and Performing Arts Major

The Bachelor of Arts degree in Visual and Performing Arts encompasses two components: core and concentration.

Students must comply with all University requirements for graduation, including the General Education requirements (Liberal Studies program and the Learning Across the Curriculum requirement), Senior Paper, senior level proficiency exam, community service, and Lyceum attendance. The student must also earn at least a grade of C in the required courses for the major or their prerequisites.

The interdisciplinary core of 34 Credit Hours exposes students to each of several arts areas: dance, theatre, studio art, graphic art, film, and music. It has an entry-level sophomore sequence required of all students. Declaration of major is contingent upon passing the sophomore sequence of VPA 230-VPA 231, developing a plan of study, and presenting an acceptable portfolio or performance piece. The core includes a required junior level seminar, senior capstone seminar, and an internship. A concentration chosen by the student of 18 Credit Hours with a required curriculum of 6 courses will provide specialized upper level training. The concentrations are:

Dance
Film
(video production and editing, screenwriting, etc.)
Graphic Art
(digital, photography, animation, etc.)
Theatre
(acting, production, playwriting, etc.)
Studio Art
(painting, drawing, and other studio media)

- VPA Visual and Performing Arts Core courses
- VPD Dance concentration courses in the VPA program
- VPT Theatre concentration courses in the VPA program
- VPS Studio Art concentration courses in the VPA program
- VPG Graphic Art concentration courses in the VPA program
- VPF Film concentration courses in the VPA program

Visual and Performing Arts Core Courses

Visual and Performing Arts majors must complete 34 hours in a common interdisciplinary core with minimum grades of C.

- VPA 230 Seminar Practicum in the Visual and Performing Arts I
- VPA 231 Seminar Practicum in the Visual and Performing Arts II

All VPA Students choose either PED 125 or VPD 223 (total of 2 credits)

- PED 125 Rhythm and Dance or VPD 223 Concert Dance I and
- VPD 224 African Dance
- VPT 232 Introduction to Theatre
- VPS 233 Art Appreciation
- VPG 230 Basic Design
- VPF 233 Film Criticism
- MUS 131 Introduction to Music Literature
- VPA 330 Junior Seminar: Portfolio and Project Development
- VPA 430 Senior Seminar: Final Project and Paper
- VPA 431 Internship in Visual and Performing Arts

Total hours of core classes: 34 credits

Concentrations

Visual and Performing Arts majors must complete 18 required hours in one of the five concentrations with minimum grades of C in each course.

Concentration 1: Dance

- VPD 332 Kinesiology (Prerequisite/Co-requisite BIO 143, 4 hrs.)
- VPD 333 Concert Dance II
- VPD 334 Concert Dance III

- VPD 432 Dance As an Art Form
- VPD 433 Dance Composition

Students choose either VPD 434 or VPD 435 (Total of 3 credits)

- VPD 434 Advanced Ballet
- VPD 435 Advanced Modern

Total hours for concentration in Dance: 18 credits

Concentration 2: Theatre

- VPT 233 Acting
- VPT 333 Drama Workshop
- VPT 334 Playwriting
- VPT 433 Modern Drama
- VPT 435 Technical Theatre I
- VPT 436 Technical Theatre II

Students choose either VPT 334 or VPT 434 (Total of 3 credits)

- VPT 334 Playwriting
- VPT 434 Directing

Total hours for concentration in Theatre: 18 credits

Concentration 3: Studio Art

- VPS 332 Drawing
- VPS 333 Painting I
- VPS 334 Painting II
- VPS 432 Figure Drawing
- VPS 433 Illustration Media
- VPS 434 Studio Sculpture

Total hours for concentration in Studio Art: 18 credits

Concentration 4: Graphic Art

- VPG 334 Introduction to Graphic Production
- VPG 235 Graphic Design I
- VPG 336 Graphic Design II
- VPG 233 Photojournalism I
- VPG 433 Animation I
- VPG 434 Animation II or VPG 333 Photojournalism II

Total hours for concentration in Graphic Art: 18 credits

Concentration 5: Film

- VPF 323 Screenplay Writing
- VPF 333 Electronic Cinematography
- VPF 334 Production Workshop
- VPF 431 Documentary Workshop
- VPF 433 Post-Production Workshop
- VPF 434 Narrative Workshop

Total hours for concentration in Film Art: 18 credits

The Dance Minor

The Dance Minor consists of 19 Credit Hours, including the following courses:

- VPD 223 Concert Dance I
- VPD 224 African Dance
- VPD 332 Kinesiology
- VPD 333 Concert Dance II
- VPD 334 Concert Dance III
- VPD 432 Dance As An Art Form
- VPD 433 Dance Composition

The Fine Arts Minor (Emphasis on Graphic Design)

Consists of a total of 18 Credit Hours with the following requirements:

Required Core of 15 hours:

- VPG 230 (formerly ART 130) Basic Design 3 Credit Hours
- VPS 333 (formerly ART 136) Basic Painting 3 Credit Hours
- VPS 233 (formerly ART 231) Art Appreciation 3 Credit Hours
- VPG 235 (formerly COM 235) Design I 3 Credit Hours
- VPG 336 (formerly COM 236) Design II 3 Credit Hours

Plus one of these two courses:

- COM 333 Design III 3 Credit Hours
- COM 439 Special Topics in Journalism and Graphic Design, Public Relations and Telecommunications 1, 2, or 3 Credit Hours

(Art minors must meet prerequisites for this course)

The Theatre Minor

The Theatre Minor consists of 18 Credit Hours, including the following courses:

- VPT 232 Introduction to Theatre
- VPT 233 Acting
- VPT 333 Production Workshop
- VPT 435 Technical Theatre I
- VPT 436 Technical Theatre II
- VPT Elective

THE COLLEGE OF PROFESSIONAL STUDIES

The College of Professional Studies prepares students to enter professional life as informed citizens who are able to communicate effectively, think critically, and demonstrate competence in their field of study. The College offers programs that combine Liberal Studies coursework with specialized career-oriented training to prepare students for entry-level positions in education, government, and industry immediately upon graduation. Additionally, students are provided opportunities to sharpen their analytical skills and to further develop leadership and interpersonal skills essential to professional career success.

The College of Professional Studies is comprised of the Departments of Business Administration and Economics, Education, Health and Human Performance, and Social Work. Students may earn Bachelor of Arts, Bachelor of Science, or Bachelor of Social Work Degrees. Some Departmental programs are designed to prepare students for graduate and professional studies. Students may major in:

Business Administration
Economics
Elementary Education
Health Education
Physical Education
Social Work
Sport Management

DEPARTMENT OF BUSINESS ADMINISTRATION AND ECONOMICS

The Department of Business Administration and Economics offers the following business degrees:

- The Bachelor of Science in Business Administration with concentrations in Accounting, Banking and Finance, International Business, Management, Management Information Systems, Marketing, and Retail Management
- The Bachelor of Arts in Economics

The mission of the Department of Business Administration and Economics is to provide an interactive learning and educationally productive environment that will result in graduates who are prepared for upwardly mobile professional careers and/or advanced study in their fields of choice. The faculty is committed to providing students with opportunities to develop as scholars and problem solvers who will be able to make valuable contributions to society.

In addition to the Liberal Studies requirements, each student is expected to complete 49 hours of Business core courses, including one 3-hour

international course offered by the Business Department. A minimum grade of C must be earned in all core courses, as well as in courses that count toward the major. All Business Administration and Economics majors must complete the Business Administration core sequence. The information in this catalog is applicable to new students and to any student currently in the Business Administration or Economics majors.

BUSINESS ADMINISTRATION AND ECONOMICS HONORS PROGRAM

Honors Entrance Criteria:

- Incoming freshmen with a minimum high school Grade Point Average of 3.5 and a combined verbal and quantitative SAT score of 900 will be eligible to apply for the Department of Business Administration and Economics Honors Program.
- Sophomores with a cumulative GPA of 3.3 or above are also eligible to apply for the Honors Program.

In addition to the academic requirements, students must also demonstrate a track record of leadership, community involvement, and a history of ethical behavior.

Honors Academic Enrichment:

The following courses have designated Honors sections:

- Principles of Macroeconomics (ECO 231-H)
- Introduction to Financial Accounting (ACC 235-H)
- Business Finance (BAF 330-H)
- Principles of Management (MGT 333-H)
- Principles of Marketing (MKT 331-H)

In addition, Honors students are required to take a course in Calculus and to complete a Senior Thesis.

The Honors-designated courses will have a discussion series that will facilitate individual student interaction with the faculty. The Department will also offer a Business Colloquia program to intellectually provoke individual Honors students.

Honors Academic Enhancement

The six strands of the Business Administration and Economics Honors academic enhancement programs are:

- Global Exposure: Honors students must have at least one overseas study trip experience under the auspices of the Center for Global Studies.
- Community Engagement: Honors students must complete 120 hours of community service under the auspices of the Center for Leadership and Community Development.

- Wealth Accumulation and Preservation: Honors students are required to complete an approved course in Financial Planning.
- Entrepreneurial Underpinning: Honors students are required to participate in the annual business plan competition, "Elevated Pitches."
- Corporate Connectivity: Corporate sponsorship of student scholars providing enrichment activities such as special programs, travels, mentoring/networking, and internships.
- Leadership Development: Honors students are required to participate in the Toastmasters and Business & Economic Society. They will be automatically included in the leadership structure of the Business & Economics Society and be held responsible for planning and executing Departmental Lyceum programs.

Students must comply with all University requirements for graduation, including the General Education requirements (Liberal Studies program and the Learning Across the Curriculum requirement), Senior Paper, senior level proficiency exam, community service, and Lyceum attendance. The student must earn at least a grade of C in the required courses for the major and their prerequisites.

Business Administration Core Courses

A major in Business Administration requires the completion of a core of 46 hours of Business courses that represent the foundation disciplines in organizations. The required core professional component courses are:

- Accounting 235-236 — 6 Credit Hours
- Business 233/Economics 233 — 3 Credit Hours
- Business 234/Economics 234 — 3 Credit Hours
- Economics 231-232 — 6 Credit Hours
- Management 333 — 3 Credit Hours
- Management 336 — 3 Credit Hours
- Marketing 331 — 3 Credit Hours
- Banking and Finance 330 — 3 Credit Hours
- Business 410 — 1 Credit Hour
- Business 335* — 3 Credit Hours
- Business 339 — 3 Credit Hours
- Business 450 — 3 Credit Hours
- Business 455 — 3 Credit Hours
- International Choice — 3 Credit Hours
  International Accounting (ACC 331) or
  International Business (MGT 438)
  International Economics (ECO 334) or
  International Finance (BAF 334) or
  International Marketing (MKT 435)

** Those with a concentration in Accounting are required to take Business 336 (Elements of Business Law) in place of Business 335 (The Legal Environment*

of the Firm). They may take Business 335 as an elective. Non-Accounting Concentration Business Administration and Economics majors may take either course to satisfy the requirement.

Economics Core Courses

A major in Economics requires the completion of a core of 46 hours of Business courses that represent the foundation disciplines in organizations. The required core courses are:

- Accounting 235-236 — 6 Credit Hours
- Economics 231-232 — 6 Credit Hours
- Economics 233/Business 233 — 3 Credit Hours
- Economics 234/Business 234 — 3 Credit Hours
- Banking and Finance 330 — 3 Credit Hours
- Management 333 — 3 Credit Hours
- Management 336 — 3 Credit Hours
- Marketing 331 — 3 Credit Hours
- Business 335* — 3 Credit Hours
- Business 339 — 3 Credit Hours
- Business 450 — 3 Credit Hours
- Business 455 — 3 Credit Hours
- Business 410 — 1 Credit Hour
- International Choice** — 3 Credit Hours
  International Accounting (ACC 331) or
  International Business (MGT 438) or
  International Finance (BAF 334) or
  International Marketing (MKT 435)

** Those with a concentration in Accounting are required to take Business 336 (Elements of Business Law) in place of Business 335 (The Legal Environment of the Firm). They may take Business 335 as an elective. Non-Business and Economics majors may take either course.*

*** Economics majors may fulfill the International Business Course requirement with any international business course except for ECO 334.*

ECONOMICS

A Bachelor of Arts Degree in Economics requires the completion of a minimum of 122 hours. This includes 51 hours of Liberal Studies requirements, 49 hours of the Business Administration core, and 18 hours of Economics and Economics-related (finance) courses listed below. In addition, 4 hours of electives are required.

Required Courses for Economics Majors

(In addition to Liberal Studies Requirements and core)

Required Courses:

- Economics 335 (Microeconomic Theory) — 3 Credit Hours
- Economics 336 (Macroeconomic Theory) — 3 Credit Hours

- Banking and Finance 331 (Money & Banking) 3 Credit Hours
- Economics 334 (International Economics) 3 Credit Hours

Required Electives:

Students must select two courses from the following list:

- Economics 437 (Public Finance) 3 Credit Hours
- Economics 438 (Environmental Economics) 3 Credit Hours
- Economics 432 (Economic Development) 3 Credit Hours
- Banking & Finance 432 (Financial Institutions & Markets) 3 Credit Hours

BUSINESS ADMINISTRATION

The courses offered in the Business Administration curriculum provide specialized concentration in seven areas: Accounting, Banking and Finance, International Business, Management, Management Information Systems, Marketing, and Retail Management. Each student is required to choose one area of concentration.

ACCOUNTING

A Bachelor of Science Degree in Business Administration with a concentration in Accounting requires the completion of a minimum of 124 hours. This includes 51 hours of Liberal Studies requirements, 46 hours of the Business Administration core, 21 hours of Accounting, and 6 hours of electives.

Students planning to concentrate in Accounting should register for Accounting 235 in the fall semester of their sophomore year to maintain a proper sequencing in their Accounting courses. Failure to do so may require more than four years to complete the course requirements.

Required Courses

(In addition to Liberal Studies Requirements and Business core)

- Accounting 335 (Intermediate Accounting I) 3 Credit Hours
- Accounting 336 (Intermediate Accounting II) 3 Credit Hours
- Accounting 337 (Intermediate Accounting III) 3 Credit Hours
- Accounting 339 (Cost Accounting) 3 Credit Hours
- Accounting 435 (Advanced Accounting) 3 Credit Hours
- Accounting 437 (Federal Income Tax Analysis I) 3 Credit Hours
- Accounting 439 (Auditing) 3 Credit Hours

BANKING AND FINANCE

A Bachelor of Science Degree in Business Administration with a concentration in Banking and Finance requires the completion of 124 hours. This includes 51 hours of Liberal Studies requirements, 46 hours of the

Business Administration core, 21 hours of Banking and Finance courses, and 6 hours of electives.

Required Courses

(In addition to Liberal Studies Requirements and Business core)

- Banking & Finance 331 (Money & Banking) 3 Credit Hours
- Banking & Finance 332 (Commercial Bank Mgmt.) 3 Credit Hours
- Banking & Finance 333 (Financial Statement Analysis) 3 Credit Hours
- Banking & Finance 339 (Risk Management) 3 Credit Hours
- Banking & Finance 430 (Corporate Finance) 3 Credit Hours
- Banking & Finance 431 (Investments) 3 Credit Hours
- Banking & Finance 432 (Financial Institutions & Markets) 3 Credit Hours

INTERNATIONAL BUSINESS

A Bachelor of Science Degree in Business Administration with a concentration in International Business requires the completion of 127 hours. This includes 51 hours of Liberal Studies requirements, 46 hours of the Business Administration core (excluding the International requirement), 15 hours of International Business, 9 hours of Advanced Foreign Language courses, and 6 hours of electives, which may be used towards a minor in a foreign language.

Required Courses

(In addition to Liberal Studies and Business core requirements)

International Business Requirements:

- ACC 331 (International Accounting) 3 Credit Hours
- MGT 438 (International Business) 3 Credit Hours
- ECO 334 (International Economics) 3 Credit Hours
- BAF 334 (International Finance) 3 Credit Hours
- MKT 435 (International Marketing) 3 Credit Hours

Foreign Language Requirements:

- SPA/FRE/CHI 231 (Intermediate Foreign Language I) 3 Credit Hours
- SPA/FRE/CHI 232 (Intermediate Foreign Language II) 3 Credit Hours
- SPA/FRE/CHI 333 (Advanced Foreign Language) 3 Credit Hours

MANAGEMENT

A Bachelor of Science Degree in Business Administration with a concentration in Management requires the completion of a minimum of

122 hours. This includes 51 hours of Liberal Studies requirements, 46 hours of the Business Administration core, 15 hours of Management courses, and 10 hours of electives.

Required Courses

(In addition to Liberal Studies and Business core requirements)

- Management 335 (Leadership & Organizational Change) 3 Credit Hours
- Management 334 (Human Resource Mgt) 3 Credit Hours
- Management 339 (Small Business Management) 3 Credit Hours
- Management 436 (Organizational Behavior) 3 Credit Hours
- Management 440 (Total Quality Management) 3 Credit Hours

MANAGEMENT INFORMATION SYSTEMS

A Bachelor of Science Degree in Business Administration with a concentration in Management Information Systems requires the completion of 127 hours. This includes 51 hours of Liberal Studies requirements, 46 hours of the Business Administration core, 18 hours of Information Technology, 3 hours of Calculus, and 9 hours of electives.

Required Courses

(In addition to Liberal Studies and Business core requirements)

Information Technology Requirements:

- CSC 231 (Programming) 3 Credit Hours
- CSC 233 (Introduction to Discrete Structures) 3 Credit Hours
- CSC 330 (Systems Analysis & Design) 3 Credit Hours
- CSC 333 (Computer Organization & Architecture) 3 Credit Hours
- CSC 334 (Introduction to Operating Systems) 3 Credit Hours
- CSC 439 (Data Communications) 3 Credit Hours

Mathematics Requirement:

- MTH 231 (Calculus I) 3 Credit Hours

MARKETING

A Bachelor of Science Degree in Business Administration with a concentration in Marketing requires the completion of a minimum of 122 hours. This includes 51 hours of Liberal Studies requirements, 46 hours of the Business Administration core, 18 hours of Marketing courses, and 7 hours of electives.

Required Courses

(In addition to Liberal Studies and Business core requirements)

- Marketing 332 (Advertising) 3 Credit Hours
- Marketing 334 (Principles of Retailing) 3 Credit Hours
- Marketing 335 (Fundamental of Selling) 3 Credit Hours
- Marketing 350 (Consumer Behavior) 3 Credit Hours
- Marketing 430 (Marketing Channels) 3 Credit Hours
- Marketing 432 (Managerial Marketing) 3 Credit Hours

RETAIL MANAGEMENT

A Bachelor of Science Degree in Business Administration with a concentration in Retail Management requires a completion of 127 hours. This includes 51 hours of Liberal Studies requirements, 49 hours of the Business Administration core, 21 hours of marketing and management courses, and 4 hours of electives.

Required Courses

(In addition to Liberal Studies and Business core requirements))

- Marketing 334 (Principles of Retailing) 3 Credit Hours
- Marketing 335 (Fundamentals of Selling) 3 Credit Hours
- Marketing 336 3 Credit Hours
  (Retail Buying & Merchandising)
- Marketing 350 (Consumer Behavior) 3 Credit Hours
- Marketing 431 (Supply Chain Management) 3 Credit Hours
- Management 334 (Human Resource Mgt) 3 Credit Hours

DEPARTMENT OF EDUCATION

The Department of Education offers a major in Elementary Education leading to the Bachelor of Arts degree and teacher licensure. The Bachelor's Degree with teacher licensure at the secondary level may be earned in English, Mathematics, and Social Studies. The Bachelor's Degree with teacher licensure in special areas at the K-12 level may be earned in Health and Physical Education.

While teacher education at JCSU is viewed as a University-wide function, the Department of Education assumes major responsibility for coordinating all programs. Composed of the Dean of the College of Professional Studies and representatives from the various academic disciplines at JCSU and our public school partners, the Teacher Education Committee formulates both specific and broad policies that pertain to the best interests of the Teacher Education Program. It also makes recommendations to the Educational Policies Committee. All Teacher Education Programs at JCSU have appropriate approval of the North Carolina Department of Public Instruction. The Department of Education is accredited by the National Council for the Accreditation of Teacher Education (NCATE).

DUE TO THE UNIVERSITY'S TRANSFORMATION AND VISION, THE DEPARTMENT WILL CLOSE IN THE 2015-2016 ACADEMIC YEAR.

REQUIREMENTS FOR ADMISSION TO THE TEACHER EDUCATION PROGRAM

A formal application for entrance into the Teacher Education Program should be filed with the Director of Teacher Education in the Department of Education at the beginning of the first semester of the sophomore year. Transfer students entering the University with junior classification must apply during the first semester in residence. Application forms may be secured from the Department of Education Office.

To be admitted to Teacher Education, the candidate must must meet the following requirements:

1. Complete 45 semester hours with a cumulative grade point average of at least 2.80
2. Earn at least a grade of C in each Liberal Studies course
3. Earn State Passing Score on Praxis I
4. Declare a major and be recommended by the appropriate Department
5. Satisfactorily complete an interview
6. Be recommended by three former professors, one of whom must be in the Department of the applicant's major field
7. Satisfactorily complete EDU 230
8. Be approved by the Teacher Education Committee
9. Satisfactorily complete Level I Field Experiences

Students who plan to teach in the elementary school level (Grades K-6) should major in elementary education. Teacher licensure at the secondary school level is available in the following subject areas: Mathematics, Health Education, Physical Education, English, and Social Studies. Students who plan to teach at the secondary school level should select majors and minors from the above areas. It is highly recommended that students prepare to teach two subjects.

Students must comply with all University requirements for graduation, including the general education requirements (Liberal Studies program and the Learning Across the Curriculum requirement), Senior Paper, senior level proficiency exam, community service, and Lyceum attendance. The student must earn at least a grade of C in the required courses for the major and their prerequisites.

Honors Program in Teacher Education

All students admitted to the Teacher Education Program by the fall

semester of the junior year with a grade point average of 3.5 or above are eligible to participate in the Honors Program in Teacher Education. Other requirements are as follows:

1. Enroll in Teacher Education Honors Seminar
2. Join a professional organization in the major in the junior and senior years
3. Make a presentation at a state or national education conference
4. Fulfill a service requirement for the public schools

PROFESSIONAL EDUCATION

The Department of Education offers the Professional Education component that is required of all prospective teachers. The courses are offered in the Department of Education and Department of Psychology. Degree-seeking candidates are allowed to take only a limited number of the professional education courses before they are formally admitted to the Teacher Education Program. Courses required for admission to the program are designated as 'Prerequisite: Admission to Teacher Education.'

Required courses in Professional Education:

Teacher licensure for Degree-seeking candidates requires the following education courses:

EDUCATION 230 Exploring Teaching as a Career
* PSYCHOLOGY 235 Psychology in Childhood
or **PSYCHOLOGY 237
Psychology of Adolescence
PSYCHOLOGY 239 Educational Psychology
EDUCATION 296 Psychology of the Exceptional
* EDUCATION 311 Junior Practicum in Elementary Education
or **EDUCATION 312 Junior Practicum in Secondary Education
* EDUCATION 439 Content Area Reading
EDUCATION 463 Teaching Internship I
EDUCATION 493 Teaching Internship II

**Elementary Education major*

***Secondary Education major*

ELEMENTARY EDUCATION

Goals and Objectives of the Elementary Education Program:

The goal of the Elementary Education Program is to prepare prospective elementary teachers to successfully assume their multifaceted roles as elementary educators within schools in our ever-changing society. To this end, the program provides the theory, knowledge, and practice needed to help teachers make decisions in each role.

The objectives of the Elementary major are to provide prospective teachers with:

1. understanding of their multifaceted roles as elementary educators;
2. knowledge and understanding of the history, philosophy, and theory that undergird modern elementary education;
3. knowledge and understanding of human growth and development and their application to developmentally appropriate practices in the elementary schools;
4. opportunities to acquire/develop knowledge and skills in planning and implementing developmentally appropriate practices with elementary school children;
5. knowledge and understanding of all content areas of the elementary school curriculum as well as the goals and objectives of the Elementary Education specialty;
6. opportunities for practical experiences throughout the program;
7. opportunities to acquire/develop critical reading, writing, speaking, thinking, and research skills throughout the program;
8. awareness of the need for continual personal and professional growth and development;
9. opportunities to develop knowledge and skills to work with elementary school children from diverse populations; and
10. opportunities to develop knowledge and skills to select, evaluate, and use technology to enhance teaching in elementary school classrooms.

Curriculum For Elementary Education (Grades K-6)

(Effective, Fall 2010)

Total Credit Hours:

Liberal Studies			**51**
Prerequisite			**3**
• PSYCHOLOGY	131	General Psychology	
Professional Education			**31**
• EDUCATION	230	Exploring Teaching as a Career	
• PSYCHOLOGY	235	Psychology of Childhood	
• PSYCHOLOGY	239	Educational Psychology	
• EDUCATION	296	Psychology of the Exceptional	
• EDUCATION	434	The Elementary School Curriculum	
• EDUCATION	311	Junior Practicum in Elementary Education	
• EDUCATION	463	Teaching Internship I	

- EDUCATION 493 Teaching Internship II

Elementary Education Specialty **39**

- EDUCATION 235 Teaching the Arts in the Elementary School
- EDUCATION 332 Children's Literature
- EDUCATION 337 Teaching Communication in the Elementary School I
- EDUCATION 432 Teaching Science in the Elementary School
- EDUCATION 433 Teaching Elementary Social Studies
- EDUCATION 437 Teaching Communication in the Elementary School II
- EDUCATION 438 Senior Investigative Paper in Elementary Education
- MATHEMATICS 337 Mathematics for Elementary School Teachers I
- MATHEMATICS 338 Mathematics for Elementary School Teachers II
- MATHEMATICS 494 Teaching Elementary in Mathematics
- HEALTH EDU 332 Health Education and Physical Activity in the Elementary School
- SCIENCE 330 Science for Elementary Teachers
- HISTORY 231 North Carolina History

Total Hours **124**

FIELD EXPERIENCES

Professional field experiences are regarded as the single most valuable component of the student's entire formal pre-service education. These experiences include both pre-student teaching experiences and student teaching. There are four levels of field experiences: Level One: Observation and Participation; Level Two: Junior Practicum; Level Three: Teaching Internship I; and Level Four: Teaching Internship II.

Field experiences begin during the sophomore year and increase in duration and scope with each level as the student advances through the Teacher Education Program. An attempt is made during each level of field experiences to provide the student with a wide range of experiences in varied classroom settings and community agencies and to acquaint the student with varied instructional practices and organizational patterns. All candidates are required to obtain a minimum of 200 clock hours of field experiences prior to student teaching. The transition from student to teacher is greatly facilitated by these field experiences.

Levels of Field Experiences

Level One: Field Experience: Observation and Participation

All candidates will participate in the Level One Field Experience. This experience is a requirement for the course EDU 230 (Exploring Teaching as a Career). Other observation and participation experiences may be a part of other professional education and specialty area courses. In the Level One Field Experience, candidates begin with observation and gradually move to active involvement and participation in the work of the classroom. Candidates can participate in activities such as assisting the teacher, tutoring, working with small groups, and preparing materials.

The cooperating teacher will evaluate all candidates using the Level One Field Experience Assessment Instrument. Each Teacher Education candidate will complete the required fieldwork assignments.

Level Two: Field Experience: Junior Practicum

The Junior Practicum is the second level of field experience in the Teacher Education Program. It is a required semester course in early field experience for which juniors receive one Credit Hour. This course is taken concurrently with Education 337 for elementary candidates and with Education 439 for Secondary and K-12 candidates in Math, English, Social Studies, Health, and Physical Education.

Candidates are placed in an assignment related to their major. The Junior Practicum provides candidates quality time in the classroom and assures a close congruence between early field experiences and subsequent experiences encountered in the classroom during student teaching. This experience allows candidates to acquire the knowledge, skills, and disposition that are delineated in the Conceptual Framework. All candidates are evaluated using the Level Two Field Experience Assessment Instrument.

Level Three: Field Experience: Teaching Internship I

Teaching Internship I is the third level of experience in the Teacher Education Program and is a required 6-credit-hour course taught during the first semester of the senior year. For elementary candidates, this course is part of an 18-hour learning community block. For secondary and special area K-12 candidates, this course is taught concurrently with content methods courses.

Candidates are placed in a teaching internship setting for full days on Mondays, Wednesdays, and Fridays for the entire semester. It is expected that the candidate will continue in the placement for the Teaching Internship II semester.

Level Four: Field Experience: Teaching Internship II

Level Four is the final field experience in the Teacher Education Program. After this experience, candidates will be expected to

demonstrate the knowledge, skills, and dispositions expected of teachers as reflective decision makers in multifaceted roles. In addition, this experience will have prepared candidates to assume their roles as successful beginning teachers. In most cases, the candidates are expected to continue in the same placement from their teaching internship I. All candidates are evaluated using the Mid-term Level Four Field Experience Instrument and the Level Four Field Experience Exit Instrument. The cooperating teacher, candidate, and the University supervisor will complete both of these jointly.

APPLICATION TO TEACHING INTERNSHIP II

Students who wish to complete Teaching Internship II during their senior year must file an application with the Department of Education at the beginning of the semester prior to the one in which the internship is to begin. Applications must be filed by September 20 for the Spring Semester. No student accepted for enrollment in Teaching Internship II is permitted to register for any other courses.

Admission to Teaching Internship II

The following requirements must be met prior to the teaching internship:

1. A cumulative Grade Point Average of 2.80 or better
2. A grade of C or better in required courses in Education, Psychology, and those taken to fulfill the student's major
3. A grade of C or better in each course taken to fulfill the Liberal Studies Program
4. Completion of all course requirements (Education, Liberal Studies, major and senior paper) for graduation
5. Approval of the Teacher Education Committee, the Education Department, and the Department of the student's major
6. Official admittance into the Teacher Education Program at least one full semester prior to the semester in which student teaching is to occur. Membership in the program must be maintained.
7. Earn State Passing Score on Praxis I

Students will be notified by mail of the action taken on the application. It is expected that students will devote full-time to the teaching internship.

TEACHER LICENSURE

The University will recommend for initial licensure only those students who have successfully completed the requirements of its Education programs and who have met the minimum score requirements on the Praxis II Subject Assessments. Those students who have completed all Degree requirements in the Teacher Education Program, but have not received licensure, will be

recommended for licensure only after deficiencies (e.g., successful scores on the Praxis Subject Assessments) have been removed. This requirement must be met within five years after graduation.

An exception can be made when the applicant has worked at least three of the five years under the supervision of a licensed teacher (e.g., as a teacher's assistant) and has participated in ongoing staff development for three consecutive years during this time. Those students seeking renewal of their teaching license are required by the North Carolina Department of Public Instruction to present renewal credits within five years of receipt of their license. For students who have been out of the University for more than five years, an individual plan for renewal will be developed.

The requirements for teacher licensure may be summarized as:

1. Completion of requirements for a Degree
2. Completion of an approved Teacher Education Program
3. Credit for successful student teaching in the area of specialization
4. Recommendation of the Department of Education, the Teacher Education Committee, and the Department of the major
5. Satisfactory scores on the Praxis I and Praxis II Subject Assessments

Students interested in obtaining teacher licensure in states other than North Carolina will need to plan their program to meet the specific requirements of the given state.

DEPARTMENT OF HEALTH AND HUMAN PERFORMANCE

The Department of Health and Human Performance offer programs that lead to a Bachelor of Science Degree in Health Education, Physical Education, and Sport Management. The Department seeks to accomplish the following goals: to prepare students for careers in school health education, health promotion, community health, physical education, sport management, and related areas and to prepare students for further study in the fields of health education and/or physical education.

NOTE: The Education Subject areas will be discontinued in the 2015-2016 academic year.

A student majoring in the Department can choose from one of the following options:

- Health Education – School Health
- Health Education – Community Health
- Physical Education
- Sport Management

Students may also choose to minor in:

- School Health
- Community Health
- Physical Education
- Sport Management
- Sports Coaching
- Exercise and Sport Science
- Fitness and Wellness Management
- Sports Medicine

The Department houses Health and Physical Education courses that meet complementary course requirements in the Liberal Studies Program or as general electives. Students in other Departments may satisfy health and activity Liberal Studies requirements by satisfactorily completing HED 131 and any course between PED 020 and PED 129.

PLEASE NOTE:

- PED 026 is an adaptive physical activity course for students with a temporary or permanent disability. Enrollment in the course is contingent upon permission from a physician, and/or the inability of the student to participate in the regular activity courses.
- All Health Education majors (School Health and Community Health) and Physical Education Teacher Education majors take BIO 143 instead of LS 135**.**

  Any major or non-major student will have an opportunity to earn certificates by completing one or more courses offered by the Department. Currently, American Red Cross certifications are available in Aquatics, First Aid, and CPR. Also, a student may receive certifications in one of the sport officiating areas.

Students must comply with University requirements for graduation, including the General Education requirements (Liberal Studies program and the Learning Across the Curriculum requirement), Senior Paper, senior level proficiency exam, community service, and Lyceum attendance. Students must earn at least a grade of C in the required courses for the major and their prerequisites.

HONORS PROGRAM

Honor students in the Department of Health and Human Performance will be provided with enriching experiences that will foster their academic growth. These students will be granted numerous opportunities to engage in a variety of activities, both on and off-campus that will enhance their professional and intellectual development. Opportunities for engagement may include collaborative activities with faculty members in the Department and other professionals within the health, physical education, and sport management fields. The following are requirements for Honor students in the Department:

1. Must possess a 3.0 Grade Point Average
2. Must obtain and maintain membership in Phi Epsilon Kappa Fraternity
3. Must participate in the Department's student majors organization
4. Must obtain and maintain membership in a professional organization of his or her choice
5. Must attend at least one approved conference for a professional organization in his or her discipline
6. Must participate in collaborative opportunities offered by the Department, including workshop presentations and professional development activities offered through the Department's Career Network Institute

HEALTH EDUCATION

The goals of the Health Education curriculum are to promote the development of sound health knowledge, practices, and attitudes and to develop students' ability to work with people of diverse cultural, ethnic, social, and economic backgrounds.

The Health Education Major – School Health Emphasis

This option is comprised of three required cores: Health Education (27 hours), School Health (15 hours), and Professional Education (33 hours).

The Health Education core is as follows:

- HED 233 Community Health 3 Credit Hours
- HED 230 Introduction to Health Education 3 Credit Hours
- HED 235 Drugs and Drug Education 3 Credit Hours
- HED 231 Health and Nutrition 3 Credit Hours
- HED 338 Junior Seminar 3 Credit Hours
- HED 430 Senior Seminar 3 Credit Hours
- BIO 143 Introduction to Biology I 4 Credit Hours
- BIO 240 Anatomy and Physiology 4 Credit Hours
- EDU 312 Junior Practicum in Secondary Education 1 Credit Hour

The School Health core includes:

- HED 234 Healthful Living 3 Credit Hours
- HED 232 Human Sexuality and Family Living 3 Credit Hours
- HED 332 Health Education and Physical Activity in the Elementary School 3 Credit Hours
- HED 333 School Health Problems 3 Credit Hours
- HED 434 Methods and Materials in Teaching Health Education 3 Credit Hours

The Professional Education core is as follows:

- PSY 131 General Psychology (prerequisite) 3 Credit Hours
- EDU 230 Introduction to the Foundations of Education 3 Credit Hours
- PSY 237 Psychology of Adolescence 3 Credit Hours
- PSY 239 Educational Psychology 3 Credit Hours
- EDU 296 Psychology of the Exceptional 3 Credit Hours
- EDU 431 Senior Practicum in Special Area (K-12) Education 3 Credit Hours
- EDU 435 The Secondary School Curriculum 3 Credit Hours
- EDU 491 Student Teaching in the Elementary School or EDU 492 Student Teaching in the Secondary School 12 Credit Hours

The Health Education Major – Community Health Emphasis

This option is comprised of two required cores: Health Education (27 hours), and Community Health (27 hours).

The Health Education core is as follows:

- HED 233 Community Health 3 Credit Hours
- HED 230 Introduction to Health Education 3 Credit Hours
- HED 235 Drugs and Drug Education 3 Credit Hours
- HED 231 Health and Nutrition 3 Credit Hours
- HED 338 Junior Seminar 3 Credit Hours
- HED 430 Senior Seminar 3 Credit Hours
- BIO 143 Introduction to Biology I 4 Credit Hours
- BIO 240 Anatomy and Physiology 4 Credit Hours
- EDU 312 Junior Practicum in Secondary Education 1 Credit Hour

The Community Health core includes:

- HED 234 Healthful Living 3 Credit Hours
- HED 232 Human Sexuality and Family Living 3 Credit Hours
- HED 335 Minority Health Problems and Issues 3 Credit Hours
- HED 336 Death and Dying 3 Credit Hours
- HED 334 Program Planning and Evaluation 3 Credit Hours
- HED 337 Environmental Health 3 Credit Hours
- HED 433 Internship 3 Credit Hours
- HED 434 Methods and Materials in Teaching Health Education 3 Credit Hours
- HED 435 Epidemiology 3 Credit Hours
- HED 436 Health Administration 3 Credit Hours
- HED 437 Applications in Health Communications 3 Credit Hours

- HED 438 Social and Behavioral Aspects of Global Health — 3 Credit Hours

Health Education Minors

Students may elect to minor in School Health or Community Health. They will be required to complete 18 Credit Hours of specified courses, maintain a 2.0 GPA, and satisfy all other requirements proposed by the Department of Health and Human Performance (approved and instituted in the future pursuant to University policies and procedures). Successful completion of the minor will be recognized on each student's transcript. A student should declare a minor in the sophomore year. The proposed curricula for the Health Education minors are as follows:

The School Health Minor

Core Courses (16 hours)

- HED 230 Introduction to Health Education
- HED 234 Healthful Living
- HED 332 Health Education & Physical Activity in the Elementary School
- HED 333 School Health Problems
- HED 434 Methods & Materials in Teaching Health Education
- EDU 312 Junior Practicum in Secondary Education

Electives (Select 3 hours)

- HED 235 Drugs & Drug Education
- HED 231 Health & Nutrition
- HED 232 Human Sexuality & Family Living
- HED 335 Minority Health Problems/Issues
- HED 336 Death & Dying

The Community Health Minor

Core Courses (15 hours)

- HED 233 Community Health
- HED 334 Program Planning & Evaluation
- HED 337 Environmental Health
- HED 435 Epidemiology
- HED 436 Health Administration

Electives (Select 3 hours)

- HED 234 Healthful Living
- HED 235 Drugs & Drug Education
- HED 231 Health & Nutrition
- HED 232 Human Sexuality & Family Living
- HED 335 Minority Health Problems/Issues
- HED 336 Death & Dying
- HED 438 Social and Behavioral Aspects of Global Health

PHYSICAL EDUCATION

The goals of the Physical Education curriculum are to provide instruction that will promote growth and development in the physical, social, mental, and emotional domains and to create a learning environment that will encourage students to develop positive attitudes, values, and personal qualities that reflect professionalism.

The Physical Education Major – Teacher Education Emphasis

This option is comprised of three required cores: Physical Education (19 hours), Physical Education – Teacher Education (22 hours), and Professional Education (33 hours).

The Physical Education core is as follows:

- PED 230 Foundations of Physical Education & Sport Management — 3 Credit Hours
- PED 337 Management of Physical Education & Sport Management — 3 Credit Hours
- PED 335 Methods & Materials of Teaching- Pre-School – 6th Grade Physical Education — 3 Credit Hours
- PED 338 Junior Seminar — 3 Credit Hours
- PED 430 Senior Seminar — 3 Credit Hours
- PED 431 Methods & Materials of Teaching- 7th – 12th Grade Physical Education — 3 Credit Hours
- EDU 312 Junior Practicum in Secondary Education — 1 Credit Hour

The Physical Education – Teacher Education core includes:

- BIO 143 Introduction to Biology I — 4 Credit Hours
- BIO 240 Anatomy and Physiology — 4 Credit Hours
- PED 232 Psychomotor Development — 3 Credit Hours
- PED 224 Methods of Teaching Dance — 2 Credit Hours
- PED 234 Sports Skills & Techniques — 3 Credit Hours
- PED 335 Methods & Materials of Teaching: Pre-School - 12th Grade Physical Education — 3 Credit Hours
- PED 336 Adapted Physical Education Pedagogy — 3 Credit Hours
- PED 332 Kinesiology & Biomechanics — 4 Credit Hours
- PED 341 Measurement and Evaluation in Human Performance — 3 Credit Hours
- PED 432 Exercise Physiology, Nutrition, and Human Performance — 4 Credit Hours
- HED 434 Methods and Materials in Teaching Health Education — 3 Credit Hours

The Professional Education core is as follows:

- PSY 131 General Psychology (prerequisite) 3 Credit Hours
- EDU 230 Exploring Teaching as a Career 3 Credit Hours
- PSY 237 Psychology of Adolescence 3 Credit Hours
- PSY 239 Educational Psychology 3 Credit Hours
- EDU 439 Content Area Reading 3 Credit Hours
- EDU 463 Teaching Internship I 6 Credit Hours
- EDU 493 Teaching Internship II 12 Credit Hours

The Sport Management Major

The Sport Management major is comprised of three cores: Sport Management (12 Credit Hours), General Management (12 hours), and Professional Sport Management (30 hours).

The Sport Management Core (12 Credit Hours):

- PED 230 Foundations of Physical Education & Sport Management 3 Credit Hours
- PED 337 Management of Physical Education & Sport Management 3 Credit Hours
- PED 338 Junior Seminar 3 Credit Hours
- PED 430 Senior Seminar 3 Credit Hours

The General Management Core (12 Credit Hours):

- ACCT 235 Intro to Financial Accounting 3 Credit Hours
- MKT 331 Principles of Marketing 3 Credit Hours
- MKT 334 Principles of Retailing 3 Credit Hours
- MKT 335 Fundamentals of Selling 3 Credit Hours

The Professional Sport Management Core (30 Credit Hours)

- SPM 233 Sport Practicum†** 3 Credit Hours
- SPM 331 Sport Marketing** 3 Credit Hours
- SPM 333 Sport Facilities Management** 3 Credit Hours
- SPM 334 Sport Finance and Economics** 3 Credit Hours
- SPM 339 Sports Information** 3 Credit Hours
- SPM 340 Leadership and Governance in Sports** 3 Credit Hours
- SPM 433 Internship** 3 Credit Hours
- SPM 434 Sport and the Law** 3 Credit Hours
- SPM 435 Sport Sociology and Ethics** 3 Credit Hours
- SPM 436 Sport Psychology** 3 Credit Hours

† Prerequisite to SPM 433W

***PED 230 is a Prerequisite to all SPM courses*

Recommended Electives:

- MGT 333 Principles of Management 3 Credit Hours
- MGT 334 Human Resource Management 3 Credit Hours
- PED 235 Sports Officiating 3 Credit Hours
- PED 236 Theory and Practice of Coaching 3 Credit Hours

The Sport Management Minor

Core Courses (15 Credit Hours)

- PED 230 Foundations of Physical Education and Sport Management — 3 Credit Hours
- SPM 233 Sport Practicum†** — 3 Credit Hours
- SPM 434 Sport and the Law** — 3 Credit Hours
- SPM 331 Sport Marketing** — 3 Credit Hours
- SPM 433 Internship** — 3 Credit Hours

Electives (Select 3 hours)

- PED 337 Management of Physical Education & Sport Management** — 3 Credit Hours
- SPM 339 Sports Information** — 3 Credit Hours
- SPM 333 Sport Leadership and Governance** — 3 Credit Hours
- SPM 334 Sport Sociology and Ethics** — 3 Credit Hours
- SPM 436 Sport Psychology** — 3 Credit Hours

† Prerequisite to SPM 433W

***PED 230 is a Prerequisite to all SPM courses*

The Physical Education Minor

Core Courses (15 Credit Hours)

- PED 335 Methods and Materials of Teaching Pre-School through 12th Grade — 3 Credit Hours
- PED 336 Adapted Physical Education Pedagogy — 3 Credit Hours
- PED 234 Sport Skills and Techniques — 3 Credit Hours
- PED 337 Management of Physical Education and Sport Management — 3 Credit Hours
- EDU 312 Junior Practicum in Secondary Education — 1 Credit Hour

Electives (Select 5 Hours)

- PED 332 Kinesiology & Biomechanics — 4 Credit Hour
- PED 432 Exercise Physiology, Nutrition and Human Performance — 4 Credit Hours
- PED 230 Foundation of Physical Education and Sport Management — 3 Credit Hours
- PED 224 Methods of Teaching Dance — 2 Credit Hours

The Sport Coaching Minor

Core Courses (18 Credit Hours)

- PED 226 Theory and Practice of Coaching — 3 Credit Hours
- PED 234 Sports Skills & Techniques — 3 Credit Hour
- PED 337 Management of PE and Sport Management — 3 Credit Hours

- PED 437 Athletic Injury Care and Prevention* 3 Credit Hours
- SPM 233 Sport Practicum 3 Credit Hours
- SPM 434 Sport and the Law 3 Credit Hours

Electives (Select 3 hours)

- PED 225 Sports Officiating 3 Credit Hours
- PED 332 Kinesiology 3 Credit Hours
- SPM 436 Sport Psychology 3 Credit Hours

*Prerequisites: BIO 240; prerequisite is BIO 142 or 143

The Sports Medicine Minor

Core Courses (18 Credit Hours)

- PED 437 Athletic Injury Care and Prevention*† 3 Credit Hours
- PED 432 Exercise Physiology, Nutrition and Human Performance* 4 Credit Hours
- PED 237 Introduction to Athletic Training† 3 Credit Hours
- PED 332 Kinesiology & Biomechanics* 4 Credit Hours
- PED 232 Psychomotor Development 3 Credit Hours
- SPM 436 Sport Psychology 3 Credit Hours

*Prerequisites: BIO 142 or 143 and BIO 240; BIO 142 or 143 is the prerequisite for BIO 240

†Minimum of 100 observational hours with certified athletic trainer in PED 237 and PED 437

The Exercise and Sport Science Minor

Core Courses (21 Credit Hours)

- PED 432 Exercise Physiology, Nutrition and Human Performance* 4 Credit Hours
- PED 238 Introduction to Exercise Science 3 Credit Hours
- BIO 240 Anatomy and Physiology** 4 Credit Hours
- PED 341 Measurement and Evaluation in Human Performance 3 Credit Hours
- PED 332 Kinesiology & Biomechanics* 4 Credit Hours
- PED 232 Psychomotor Development 3 Credit Hours

*Prerequisite: BIO 240 is the prerequisite for PED 432 and PED 332

**Prerequisite: BIO 142 or 143 is the prerequisite for BIO 240.The Fitness and Wellness Management Minor

Core Courses (21 Credit Hours)

- PED 432 Exercise Physiology, Nutrition and Human Performance* 4 Credit Hours
- PED 337 Management of Physical Education and Sport Management 3 Credit Hours

- PED 239 Exercise Prescription** 3 Credit Hours
- PED 438 Program Design in Fitness and Wellness*** 3 Credit Hours
- HED 231 Health and Nutrition 3 Credit Hours
- PED 126 Physical Fitness 3 Credit Hours
- PED 341 Measurement and Evaluation in Human Performance 3 Credit Hours

*Prerequisite: BIO 240 (Anatomy & Physiology I) (Prerequisite for BIO 240 is: BIO 142 or 143) *Prerequisite: BIO 240; prerequisite is: BIO 142 or 143

**Prerequisite: PED 126 – Physical Fitness

***Prerequisite: PED 239 – Exercise Prescription

Recommended Elective: MGT 339 Small Business

Prerequisite: MGT 333 – Principles of Management

DEPARTMENT OF SOCIAL WORK

The mission of the Social Work Program is to provide students with a liberal arts and social work education that prepares them for graduate school or as competent entry-level generalist practitioners to practice with individuals, families, small groups, organizations, and communities.

SOCIAL WORK HONORS PROGRAM

The Department of Social Work Honor's Program consists of the following requirements:

- Declare Social Work as a major
- Achieve sophomore status
- Complete 9 Credit Hours of required Social Work courses
- Achieve a 3.25 Grade Point Average
- Participate in a chapter service project
- Present at a local, state, or national conference
- Be a member of the Social Work Club
- Be a member of the local and national chapter of Phi Alpha Honor Society
- Uphold and honor the core values and ethics of the Social Work profession

SOCIAL WORK

The University's Social Work Program has four goals:

1. Develop and implement an appropriate curriculum built on the liberal arts perspective of the University that incorporates social work knowledge that prepares students to be able to practice at all systems levels and evaluate their own effectiveness.

2. Prepare students for graduate education in Social Work and other disciplines.
3. Share knowledge with students and other professionals through courses, guest lecturers, workshops, and conferences.
4. Encourage faculty and students to engage in research and service to advance the cause for social justice in North Carolina, the United States, and the world.

Students must comply with all University requirements for graduation, including the General Education requirements (Liberal Studies program and the Learning Across the Curriculum requirement), Senior Paper, senior level proficiency exam, community service, and Lyceum attendance. The student must earn at least a grade of C in the required courses for the major and their prerequisites.

The Department of Social Work is fully accredited by the Council on Social Work Education.

The Social Work Major

A major in Social Work consists of 55 Credit Hours.

- SWK 239 Introduction to Social Work 3 Credit Hours
- SWK 330 Institution of Social Welfare 3 Credit Hours
- SWK 332 Social Welfare Policy 3 Credit Hours
- SWK 334 Human Behavior and the Social Environment I 3 Credit Hours
- SWK 335 Human Behavior and the Social Environment II 3 Credit Hours
- SWK 431 Social Work Research Methods 3 Credit Hours
- SWK 432 Social Work With Groups 3 Credit Hours
- SWK 433 Social Work Practice I 3 Credit Hours
- SWK 434 Social Work Practice II 3 Credit Hours
- SWK 435 Social Work Seminar 3 Credit Hours
- SWK 436 Senior Investigative Paper I 3 Credit Hours
- SWK 438 Senior Investigative Paper II 3 Credit Hours
- SWK 490 Field Experience 12 Credit Hours

The remaining 12 Credit Hours will consist of electives from the Social Work curriculum listed below.

- SWK 234 Introduction of Gerontology 3 Credit Hours
- SWK 331 Child Welfare: Policies and Practices 3 Credit Hours
- SWK 333 Social Work Settings 3 Credit Hours

SWK 338 Special Topics Course Series

Section A: Social Work In the Military
Section B: Social Work Values and Ethics

Section C: Social Work With Families
Section D: Counseling Children
Section E: Licensure Preparation
Section F: Financial Social Work
Section G: Small Business Organization
Section H: School Social Work
Section I: Domestic Violence

- SWK 437 Community Organization 3 Credit Hours

Social Work majors must complete BIO 143 and BIO 240, as well as courses in foreign language, psychology, sociology, and economics.

- BIO 143 Introduction to Biology I 4 Credit Hours
- BIO 240 Human Anatomy and Physiology 4 Credit Hours

A student must also complete the following:

- FRE or SPA 100 level – 2 semesters 6 Credit Hours
- SOC 131 Principles of Sociology 3 Credit Hours
- PSY 131 General Psychology 3 Credit Hours
- PSY 233 Psychology Statistics or MTH 136 Statistics 3 Credit Hours
- ECO 231 3 Credit Hours

COLLEGE OF SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS (STEM)

The College of Science, Technology, Engineering, and Mathematics (STEM) prepares students to enter professional life as informed citizens who are able to communicate effectively, think critically, and demonstrate competence in their field of study. The College endeavors to acquaint students with the substance and methodology of the natural sciences and offers programs that combine Liberal Studies with specialized career-oriented training to prepare them for entry-level positions in education and industry immediately upon graduation. Additionally, students are provided opportunities to sharpen their analytical skills and to further develop leadership and interpersonal skills essential to professional career success. Students may major in:

Biology
Chemistry
Computer Science/Information Systems
Computer Engineering
Information Systems Engineering
General Science
Mathematics
Mathematics Education

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

The Department provides programs for earned Bachelor of Science Degrees in the following areas:

Information Systems Engineering (ISE)
Computer Engineering (CE)
Computer Science/Information Systems (CS/IS)

The Department offers minors in the following areas:

Bioinformatics
Computer Engineering
Computer Science

Each Department program may be completed in four years each if the student has the required prerequisites. The programs are offered to prepare students for competitive careers and graduate school opportunities in a wide spectrum of the information technology profession, including software, hardware, programming, systems analysis, computer networking, telecommunications, robotics and automatic control systems, digital signal processing (DSP), information systems, and digital/analog electronics.

A major in Information Systems Engineering, Computer Engineering, or Computer Science/Information Systems consists of a set of core courses (21 Credit Hours) plus additional courses required for each major. In addition, all students must take 51 Credit Hours of Liberal Studies courses. A minimum of 125 Credit Hours is required for graduation.

Students must comply with all University requirements for graduation, including the General Education requirements (Liberal Studies program and the Learning Across the Curriculum requirement), Senior Paper, senior level proficiency exam, community service, and Lyceum attendance. The student must earn at least a grade of C in the required courses for the major and their prerequisites.

HONORS PROGRAM

The Department of Computer Science and Engineering offers an Honors Program for students who satisfy the following requirements;

- Have an overall GPA 3.2 or better
- Have a GPA of 3.5 or better in all courses required for the major
- Participate in a scientific research experience on or off-campus
- Make one scientific presentation at an off-campus event or professional meeting or conference
- Complete a Senior Investigative Paper and receive a grade of B or better

Upon completion of these requirements, a student may graduate with Honors based on the judgment of the Computer Science and Engineering Department faculty.

Core Courses:

The following set of seven core courses is required for all Information Systems Engineering (ISE), Computer Engineering (CE), and Computer Science/Information Systems (CS/IS) majors:

Core Courses (21 Credit Hours)

- Introduction to Computer Science and Engineering, CSE 138 — 3 Credit Hours
- Programming I, CSC 231 — 3 Credit Hours
- Programming II, CSC 232 — 3 Credit Hours
- Data Structures and Algorithms, CSC 234 — 3 Credit Hours
- Computer Organization and Architecture, CSC 333 — 3 Credit Hours
- Data Communications, CSC 439 — 3 Credit Hours
- Senior Project, CSE 430 — 3 Credit Hours

The Information Systems Engineering Major (ISE)

Additional courses are required for the Information Systems Engineering Major (ISE).

In addition to the 21-Credit-Hour core above, the student must take the following courses:

Group I: Computer Science Courses (9 Credit Hours):

- Application Programming, CSC 331 — 3 Credit Hours
- Operation Systems, CSC 334 — 3 Credit Hours
- Database Processing, CSC 438 — 3 Credit Hours

Group II: Computer Engineering Courses (18 Credit Hours):

- Logic and Digital Circuits, CSE 330 — 3 Credit Hours
- Circuit Theory, CSE 331 — 3 Credit Hours
- Foundations of Semiconductor Devices, CSE 332 — 3 Credit Hours
- Electronic Measurements and Design, CSE 334 — 3 Credit Hours
- Circuit Theory II, CSE 335 — 3 Credit Hours
- Electronics Circuits Design, CSE 432 — 3 Credit Hours

Group III: Restricted Electives (12 Credit Hours):

The students must select at least 12 Credit Hours from the following list of courses:

- Introduction to discrete structures CSC 233 — 3 Credit Hours

- Introduction to Programming CSC 132 3 Credit Hours
- Introduction to Programming CSC 230 3 Credit Hours
- Internet Programming, CSC 335 3 Credit Hours
- Digital Signal Processing, CSE 433 3 Credit Hours
- Advanced Electronics Systems, CSE 434 3 Credit Hours
- Automatic Control and Robotics, CSE 436 3 Credit Hours
- Software Engineering, CSC 437 3 Credit Hours
- Advanced Logic and Microprocessors, CSE 438 3 Credit Hours
- Special Topics in Computer Science and Engineering, CSE 439 3 Credit Hours
- Practicum, CSE 435 3 Credit Hours
- Introduction to Bioinformatics, CSC 336 3 Credit Hours
- Bioinformatics Programming CSC 339 3 Credit Hours
- Explorations in Genomics, CSC 433 3 Credit Hours
- Special Topics: Bioinformatics Algorithm, CSC 435 3 Credit Hours

Mathematics Requirements (9 Credit Hours):

- Calculus I, MTH 231 3 Credit Hours
- Calculus II, MTH 232 3 Credit Hours
- Introductory Statistics, MTH 136 3 Credit Hours

Physics Requirements (4 Credit Hours):

In addition to Electrodynamics (PHY 244), the student should take Mechanics (PHY 243) instead of LS 135 in the general studies requirements:

- Electrodynamics, PHY 244 4 Credit Hours

The Computer Engineering Major (CE)

In addition to the 21-Credit-Hour core, the student is required to take the following courses:

Group I: Computer Engineering Courses (27 Credit Hours):

- Logic and Digital Circuits, CSE 330 3 Credit Hours
- Circuit Theory I, CSE 331 3 Credit Hours
- Foundations of Semiconductor Devices, CSE 332 3 Credit Hours
- Electronic Measurements and Design, CSE 334 3 Credit Hours
- Circuit Theory II, CSE 335 3 Credit Hours
- Electronics Circuits Design, CSE 432 3 Credit Hours
- Digital Signal Processing (DSP), CSE 433 3 Credit Hours
- Advanced Electronics Systems, CSE 434 3 Credit Hours
- Advanced Logic and Microprocessors, CSE 438 3 Credit Hours

Group II: Restricted Electives (12 Credit Hours):

The student must select at least 12 Credit Hours from the following list of courses:

- Introduction to Programming CSC 230 — 3 Credit Hours
- Application Programming, CSC 331 — 3 Credit Hours
- Operating Systems, CSC 334 — 3 Credit Hours
- Internet Programming, CSC 335 — 3 Credit Hours
- Numerical Methods I, CSC 432 — 3 Credit Hours
- Database Processing, CSC 438 — 3 Credit Hours
- Software Engineering, CSC 437 — 3 Credit Hours
- Special Topics in Computer Science and Engineering, CSE 439 — 3 Credit Hours
- Practicum, CSE 435 — 3 Credit Hours
- Introduction to Bioinformatics, CSC 336 — 3 Credit Hours
- Bioinformatics Programming CSC 339 — 3 Credit Hours
- Explorations in Genomics, CSC 433 — 3 Credit Hours
- Special Topics: Bioinformatics Algorithms, CSC 435 — 3 Credit Hours

Group III: Additional Required Courses (23 Credit Hours):

Computer Science (6 Credit Hours):

- Introduction to Discrete Structures, CSC 233 — 3 Credit Hours
- Introduction to Bioinformatics, CSC 336 — 3 Credit Hours

Physics Requirements (8 Credit Hours):

- Mechanics, PHY 243 — 4 Credit Hours
- Electrodynamics, PHY 244 — 4 Credit Hours

Math Requirements (9 Credit Hours):

In addition to MTH 231 and MTH 232:

- Probability and Statistics, MTH 333 — 3 Credit Hours
- Introductory Linear Algebra, MTH 336 — 3 Credit Hours

At least 3 Credit Hours of Mathematics must be taken from the following list:

- Math for Scientists and Engineers, MTH 433 — 3 Credit Hours
- Differential Equations I, MTH 434 — 3 Credit Hours

The Computer Science/Information Systems Major (CS/IS)

In addition to the 21-Credit-Hour core, the student is required to take the following courses:

Group I: Computer Science Courses (18 Credit Hours):

- Introduction to Discrete Structures, CSC 233 — 3 Credit Hours
- Systems Analysis and Design, CSC 330 — 3 Credit Hours

- Application Programming, CSC 331 3 Credit Hours
- Operating Systems, CSC 334 3 Credit Hours
- Internet Programming, CSC 335 3 Credit Hours
- Database Processing, CSC 438 3 Credit Hours

Group II: Business, Marketing, Management and Accounting Courses (18 Credit Hours):

- Principles of Economics, ECO 231 3 Credit Hours
- Principles of Accounting I, ACC 235 3 Credit Hours
- Principles of Accounting II, ACC 236 3 Credit Hours
- Business Finance, BAF 330 3 Credit Hours
- Business Finance, BUS 330 3 Credit Hours
- Principles of Marketing, MKT 331 3 Credit Hours
- Principles of Management and Organizational Behavior, MGT 333 3 Credit Hours

Group III: Restricted Electives (12 Credit Hours):

The student must select at least 12 Credit Hours from the following list of courses:

- Introduction to Programming, CSC 230 3 Credit Hours
- Logic and Digital Circuits, CSE 330 3 Credit Hours
- Software Engineering, CSC 437 3 Credit Hours
- Special Topics in Computer Science and Engineering, CSE 439 3 Credit Hours
- Numerical Methods I, CSC 432 3 Credit Hours
- Calculus II, MTH 232 3 Credit Hours
- Practicum, CSE 435 3 Credit Hours
- Introduction to Bioinformatics, CSC 336 3 Credit Hours
- Bioinformatics Programming CSC 339 3 Credit Hours
- Explorations in Genomics, CSC 433 3 Credit Hours
- Special Topics: Bioinformatics Algorithm, CSC 435 3 Credit Hours

Mathematics Requirements (6 Credit Hours):

- Introduction to Statistics, MTH 136 3 Credit Hours
- Calculus I, MTH 231 3 Credit Hours

The Computer Science Minor

A minor in Computer Science consists of at least 18 hours of Computer Science courses and must include CSC 231, CSC 232, CSC 334, and CSC 439. Recommended electives include: CSC 330, CSC 335, CSC 438, CSC 436, and CSE 439

The Computer Engineering Minor

A minor in Computer Engineering consists of at least 18 hours of Computer Engineering courses and must include CSE 138, CSE 330, CSE 331, CSE

332, and CSE 334. Recommended electives include: CSE 432, CSE 433, CSE 435, CSE 436, CSE 438, and CSE 439.

The Bioinformatics Minor

A minor in Bioinformatics requires 19 Credit Hours: 13 hours of core courses and 6 hours of restricted electives. The core courses include BIO 143, BIO 336/CSC 336, CSC 339, and MTH 438. The student will select at least 6 hours of the restricted electives, depending on their major, from BIO 433/CSE 433, BIO 435/CSE 435, BIO 434, CSC 438, and CSE 439.

Additionally, the following options are strongly recommended for all students taking a minor in Bioinformatics: BIO 241, BIO 341, BIO 422, CHE 422, BIO 430, CHE 430, CSC 430 Senior Investigative Project (in a topic on Bioinformatics/Genomics), and MTH 415-416, Independent Study (with a topic in Bioinformatics/Genomic).

THE DEPARTMENT OF NATURAL SCIENCES AND MATHEMATICS

The Department provides programs for earned Bachelor of Science Degrees in the following areas:

Mathematics
Mathematics Education
Biology
Chemistry
General Science

Students who are interested in being more competitive for entrance to graduate school or professional scientific programs (i.e., Medical or Dental School) may wish to consider a double major in Biology and Chemistry. See the individual section descriptions for details of these major offerings.

MATHEMATICS

The Mathematics curriculum supports the University's mission to provide an outstanding education to a diverse group of talented and highly motivated students from various ethnic, socio-economic, and geographical backgrounds. In this role, the Mathematics programs provide basic skills in Mathematics for the general student body, intermediate and advanced skills for students in other majors, and an in-depth program for majors in Mathematics and Mathematics Education.

The two major programs lead to Bachelor of Science Degrees in Mathematics and Mathematics Education.

Students must comply with all the University requirements for graduation,

including the General Education requirements (Liberal Studies program and the Learning Across the Curriculum requirement), Senior Paper, senior level proficiency exam, community service, and Lyceum attendance. The student must earn at least a grade of C in the required courses for the major and their prerequisites.

Mathematics and Mathematics Education Required Courses

The following core courses (34 Credit Hours) are required of both Mathematics and Mathematics Education majors:

- Calculus I, II, III and IV (MTH 231, 232, 331 & 332)
- Probability and Statistics I (MTH 333)
- Introductory Abstract Algebra (MTH 335)
- Introductory Linear Algebra (MTH 336)
- Senior Seminar I and II (MTH 411 & 412)
- Preparation for Standardized Testing (MTH 414)
- History and Foundations of Mathematics (MTH 432)
- Mechanics (PHY 243)
- Computer Programming (CSC 231)

Additional Requirements for Mathematics Majors

Additional courses (21 Credit Hours) above the core required for the Mathematics major consist of:

Specific Mathematics Courses (15 Credit Hours)

- Topics in Analysis (MTH 430)
- Differential Equations I (MTH 434)
- Topics in Algebra (MTH 439)
- Junior Seminar I and II (MTH 311 & 312)
- Electrodynamics (PHY 244)

Restricted Electives (6 Credit Hours)

- Modern Geometry (MTH 330)
- Probability and Statistics II (MTH 334)
- Topics in Number Theory (MTH 462)
- Programming II (CSC 232)
- Data Structures and Algorithms (CSC 234)
- Numerical Methods I (CSC 432)
- Special Topics (MTH 497, 498, 499)

Additional Requirements for Mathematics Education Majors

Additional courses (43 Credit Hours) above the core required for the Mathematics Education major are:

Mathematics Courses (12 Credit Hours)

- Modern Geometry (MTH 330)
- Materials and Methods in High School

Mathematics (MTH 492)
- Topics in Number Theory (MTH 462)
- Applications of Mathematics (MTH 362)

Education Courses (25 Credit Hours)

- Introduction to the Foundations of Education (EDU 230)
- Psychology of the Exceptional (EDU 296)
- Junior Practicum in Elementary Education (EDU 312)
- Reading in the Content Area (EDU 439)
- Teaching Internship I (EDU 463)
- Teaching Internship II (EDU 493)

Psychology Courses (6 Credit Hours)*

- Psychology of Adolescence (PSY 237)
- Educational Psychology (PSY 239)

* General Psychology (PSY 131) is a prerequisite for both PSY 237 and PSY 239.

Prospective Mathematics majors who do not have a sound and workable background in algebra and trigonometry may be required to take Pre-Calculus I and II (MTH 137 and 138) as prerequisite courses before starting the Calculus sequence.

A minor in Mathematics consists of at least 18 Credit Hours of Mathematics courses at the 200 level or above. This must include Mathematics 231, 232, 333, and 336 and may not include any Mathematics Education courses.

The student must earn a grade of C or better for any of the courses required for graduation in this major or the minor and any prerequisites for those courses. Mathematics majors are not required to take LS 135.

Both Mathematics and Mathematics Education majors are required to develop a Senior Investigative Paper. Its formal development begins when the student has reached senior standing and completed both the core 200 and 300 level courses in Mathematics and the Liberal Studies requirements in rhetoric and speech. The Senior Investigative Paper in Mathematics and Mathematics Education is written and presented while enrolled in MTH 411 and 412. The paper for Mathematics Education majors must reflect in-depth knowledge in mathematics based on the strands of secondary mathematics in the North Carolina Standard Course of Study.

Early Mathematics Honors Certificate

The requirements for an Early Mathematics Honors Certificate must be completed in the first four semesters of enrollment. These are:

- Be selected for Honors Mathematics sections in introductory courses based on Mathematics placement and demonstrated interest
- Complete two Honors sections of Mathematics courses with an average of 3.0 or higher. At least one course must be at the 200 level.

- Participate in an established Mathematics club and/or Mathematics honor society

Upon completion of the requirements, a student may receive a Dean's Certificate for Honors in Early Mathematics. Students completing three courses in mathematics with this average may receive a Dean's Certificate for High Honors in Early Mathematics.

MATHEMATICS HONORS DEGREE

The requirements for a Mathematics Honors Degree are:

- Have an overall GPA 3.0 or better
- Complete the Calculus sequence, Introductory Linear Algebra, and Introductory Abstract Algebra with a GPA of 3.3 or better before being selected for participation in the Mathematics Honors Degree Program.
- Be recommended by a Department faculty member
- Be selected to the program by a committee appointed by the Department.
- Complete an Honors project in one of the following courses: MTH 430, 432, or 439 for Mathematics majors; MTH 330 (Geometry), MTH 431 (Number Theory), or MTH 432 for Mathematics Education majors. Each project must be approved by a committee appointed by the Department. Students must do the project associated with the course to receive Honors credit.
- Successfully complete a written Honors Project Report and successfully defend the project in an oral presentation.
- Participate in an established Mathematics club and/or scientific honor society.

Upon completion of the requirements, a student may graduate with Mathematics Honors or Mathematics High Honors based on the judgment of the Mathematics faculty.

Mathematics Placement

Students entering the University without college-level mathematics credit will typically enroll in Mathematics 131 unless Advanced Placement Credit is granted. A placement test is given each semester to all entering students prior to registration. The performance on this test may require a student to take MTH 130 prior to entering MTH 131, or it may allow the student to enroll in MTH 137 or a higher course.

SCIENCE

The Department awards Bachelor of Science Degrees in Biology, Chemistry, and General Science.

Entering freshmen majoring in one of the sciences are required to take an entrance exam prior to their admission to the major curriculum. This exam

is prepared and graded by JCSU science faculty, and the results discussed with each student. Final placement is decided by the Chair after due consideration of student performance on the entrance exam, discussion with other science faculty, and possible consideration of other factors such as SAT scores and high school grades.

NATURAL SCIENCE COURSES

There are a number of course offerings that come under the general heading of NSC. NSC 218-9, 318-9, 419, and 429 are courses taken by General Science majors in fulfilling the Senior Investigative Paper requirement.

BIOLOGY

The Biology Major

Given the fast-changing and broad nature of the biological sciences, the Biology major is designed to provide students with flexibility in pursuing their interests and long-term educational and career goals. Students will receive rigorous individualized advisement from their major advisor in choosing an existing track or designing a customized one.

NOTE ON COURSE CLASSIFICATIONS: Each course beyond the 100 level is designated as being a core course in one of the three areas or as an advanced course.

The course requirements for the Biology Degree are as follows:

Biology Courses (36 Credit Hours)

Introductory Courses (8 Credit Hours)

- Introduction to Biology I (BIO 143)
- Introduction to Biology II (BIO 144)

Core Biology Courses (4 courses equaling 12-16 Credit Hours - at least one from each area)

- Cell and Molecular Biology
  - Cell Biology (BIO 241)
  - Introduction to Bioinformatics (BIO 336)
- Organismal Biology
  - Zoology (BIO 247)
  - Botany (BIO 248)
  - Human Anatomy and Physiology I and II (BIO 240 & BIO 245)
  - Integrated Physiology (BIO 340)
- Population Biology
  - Ecology (BIO 242)
- Advanced Biology courses (3 courses for at least 9 Credit Hours)

- Biology courses at or above the 300 level, chosen according to track or in consultation with an advisor, may also include non-Biology courses if appropriate and approved.

Seminar Courses (7 Credit Hours)

- Sophomore Seminar I and II (NSC 218 and NSC 219)
- Junior Seminar I and II (NSC 318 and NSC 319)
- Senior Seminar I and II (NSC 429 and NSC 419)

Chemistry Courses (19 Credit Hours)

- General Chemistry I and II and labs (CHE 111, 131, 112 and 132)
- Organic Chemistry I and II and labs (CHE 211, 231, 212 and 232)
- Biochemistry (CHE 333)

Mathematics Courses (6 Credit Hours)

- Calculus I (MTH 231)
- Either Calculus II (MTH 232) or Biostatistics (MTH 438)

Physics Courses (8 Credit Hours)

- General Physics I and II (PHY 241 & 242) or higher level of physics courses.

Additional Recommended Courses: Depending on the track chosen, additional courses may be recommended by the major advisor. These additions will be made based on the requirements of graduate and professional programs or for a particular job market.

Choice of Tracks: Tracks should be chosen at the end of the freshman year after the introductory courses are completed. The student, major advisor, and Department Chair should all indicate their approval of the track in writing. Students may change or modify tracks only with the consent of their major advisor and Department Chair.

A minor in Biology requires 18 Credit Hours of Biology courses. These must include 10 Credit Hours in courses above the 100-level. NSC 218, 219, 318, 319, 419, and 429 may not be used to qualify for a Biology minor.

The Bioinformatics Minor

A minor in Bioinformatics requires 19 Credit Hours: 13 hours of core courses and 6 hours of restricted electives. The core courses include BIO 143, BIO 336/CSC 336, CSC 339, and MTH 438. Students will select 6 hours or more of the restricted electives, depending on their major, from BIO 433/CSE 433, BIO 435/CSE 435, BIO 434, CSC 438, or CSE 439.

Additionally, the following options are strongly recommended for all

students taking a minor in Bioinformatics: BIO 241, BIO 341, BIO 422, CHE 422, BIO 430, CHE 430, CSC 430 (Senior Investigative Project on a topic in Bioinformatics/Genomics), and MTH 415-416 Independent Study (with a topic in Bioinformatics/Genomics).

Biology majors are not required to take LS 135.

Biology Honors Degree

The requirements for a Biology Honors Degree are:

- Have an overall GPA of 3.3 or better
- Have a GPA of 3.3 or better in all courses required for the major
- Participate in a scientific research experience on or off-campus
- Make one scientific presentation at an off-campus event or professional meeting or conference
- Complete a Senior Investigative Paper rated at the Honors level by the Department
- Participate in an established Biology club and/or scientific honor society.

Upon completion of the requirements to the satisfaction of the faculty, a student may graduate with Honors or High Honors based on the judgment of the Biology Faculty.

Students must comply with all University requirements for graduation, including the General Education requirements (Liberal Studies program and the Learning Across the Curriculum requirement), Senior Paper, senior level proficiency exam, community service, and Lyceum attendance. The student must earn at least a grade of C in the required courses for the major and their prerequisites.

CHEMISTRY

The Chemistry Major

The major in Chemistry requires the following:

Chemistry Courses (42 Credit Hours)

- General chemistry and lab (CHE 111, 112, 131, and 132)
- Organic chemistry and lab (CHE 211, 212, 231, and 232)
- Sophomore Seminar I and II (NSC 218 and NSC 219)
- Junior Seminar I and II (NSC 318 and NSC 319)
- Biochemistry (CHE 333)*
- Analytical Chemistry (CHE 343)
- Instrumental Analysis (CHE 344)
- Physical Chemistry and lab (CHE 411, 412, 431, and 432)
- Senior Seminar I and II (NSC 429 & 419)

Mathematics Courses (6 credits)

- Calculus I & II (MTH 231 & 232)

Physics Courses (8 Credit Hours)

- Either General Physics (PHY 241 & 242), or
  Mechanics (PHY 243) and Electrodynamics (PHY 244)

Computer Science Courses (3 Credit Hours)

- Any Computer Science course above the CSC 131 level

A minor in Chemistry requires a minimum of 18 Credit Hours of Chemistry courses that must begin with Chemistry 111, 112, 131, and 132. Eight credits of Physics are also required for the minor. NSC 218-219, 318-319, 419, and 429 may not be used to qualify for the Chemistry minor.

Chemistry majors are not required to take LS 135.

Chemistry Honors Degree

The requirements for a Chemistry Honors Degree are:

- Have an overall GPA of 3.3 or better
- Have a GPA of 3.3 or better in all courses required for the major
- Participate in a scientific research experience on or off-campus
- Make one scientific presentation at an off-campus event or professional meeting or conference
- Complete a Senior Investigative Paper rated at the Honors level by the Department
- Participate in an established Chemistry club and/or scientific honor society.

Upon completion of the requirements to the satisfaction of the faculty, a student may graduate with Chemistry Honors or Chemistry High Honors based on the judgment of the Chemistry Faculty.

Students must comply with all University requirements for graduation, including the General Education requirements (Liberal Studies program and the Learning Across the Curriculum requirement), Senior Paper, senior level proficiency exam, community service, and Lyceum attendance. The student must earn at least a grade of C in the required courses for the major and their prerequisites.

GENERAL SCIENCE

The General Science Major

The General Science major provides opportunities for interdisciplinary approaches to the study of mathematics, the sciences, and computer science at the undergraduate level. The goals of the program are to provide opportunities for students to:

1. Acquire knowledge of fundamental concepts, problems, and methods of inquiry in areas of Biological and Physical Sciences, Mathematics, and Computer Science;
2. Prepare for professional careers as laboratory and research assistants and other support positions in the science and health fields;

A major in General Science is offered with a concentration in one of four areas: Biology, Chemistry, Mathematics, or Computer Science. The following core of 17 courses (50 Credit Hours) is required for all General Science majors:

- Introduction to Biology I and II (BIO 143 & 144) and one of Cell Biology (BIO 241) or Ecology (BIO 242)
- General Chemistry I and II, Organic Chemistry I and accompanying lab courses (CHE 111, 112, 131, 132, 211, 231)
- Introductory Statistics (MTH 136) and Pre-Calculus I and II (MTH 137 & 138) or a higher sequence
- General Physics (PHY 241 & 242)
- Introduction to Programming (CSC 132), Programming I and II (CSC 231 & 232)

In addition to the core courses, a General Science major must complete a minimum of 15 Credit Hours of coursework in the area of concentration plus 3 Credit Hours of coursework in another of the three remaining areas. In Computer Science, the allowed courses are CSC 234, 331, 335, 334, 439, or other CSC courses as approved by the Chair of the Computer Science and Engineering Department.

Courses taken to satisfy the Senior Investigative Paper may not be counted in the above-specified course requirements. The Senior Investigative Paper in the area of concentration is satisfied by completion of the following courses:

Biology or Chemistry (7 Credit Hours)

- Sophomore Seminar I and II (NSC 218 and 219)
- Junior Seminar I and II (NSC 318 and 319)
- Senior Seminar I and II (NSC 429 and NSC 419)

Mathematics (2 Credit Hours)

- Independent Study in Mathematics (MTH 415 & 416)

Computer Science (3 Credit Hours)

- Senior Project (CSE 430)

General Science majors are not required to take LS 135.

General Science Honors Degree

The requirements for a General Science Honors Degree are:

- Have an overall GPA of 3.3 or better

- Have a GPA of 3.3 or better in all courses required for the major
- Participate in a scientific research experience on or off campus
- Make one scientific presentation at an off-campus event or professional meeting or conference
- Complete a Senior Investigative Paper rated at the Honors level by the Department
- Participate in an established science club and/or scientific honor society.

Upon completion of the requirements to the satisfaction of the faculty, a student may graduate with General Science Honors or General Science High Honors based on the judgment of the Science Faculty.

Students must comply with all University requirements for graduation, including the General Education requirements (Liberal Studies program and the Learning Across the Curriculum requirement), Senior Paper, senior level proficiency exam, community service, and Lyceum attendance. The student must earn at least a grade of C in the required courses for the major and their prerequisites.

BIOLOGY AND CHEMISTRY

The Biology and Chemistry Double Major

Exceptionally strong students interested in post-graduate training (i.e. M.D., Ph.D., D.D.S.) are encouraged to attempt this double major. Only one Senior Investigative Paper is required. In addition to the General Education requirements (42 Credit Hours), the double major requirements consist of the following 88 to 91 Credit Hours:

***NOTE*:** Courses indicated with a star (*) count separately in both majors.

Biology Courses (29-32 Credit Hours)

- Introduction to Biology I and II (BIO 143 & 144)
- Core Biology Courses (4 courses equaling 12 to 16 Credit Hours)
  - Cell and Molecular Biology
  - Organismal Biology
  - Population Biology
- Advanced Biology courses (3 courses equaling at least 9 Credit Hours at or above the 300 level)

Chemistry Courses (35 Credit Hours)

- General Chemistry and lab (CHE 111, 112, 131, & 132)*
- Organic Chemistry and lab (CHE 211, 212, 231, & 232)*
- Biochemistry (CHE 333)*
- Analytical Chemistry (CHE 343)
- Instrumental Analysis (CHE 344)
- Physical Chemistry and lab (CHE 411, 412, 431, and 432)

Senior Paper Requirements (7 Credit Hours)

- Sophomore Seminar I and II (NSC/CHE 218 and 219)*
- Junior Seminar I and II (NSC/CHE 318 and 319)*
- Senior Seminar I and II (NSC/CHE 429 & 419)*

Computer Science Courses (3 Credit Hours)

- Any Computer Science course above the CSC 131 level

Physics Requirements (8 Credit Hours)

- General Physics (PHY 241 & 242)*

Mathematics Requirements (6 Credit Hours)

- Calculus I and II (MTH 231 & 232)*

PHYSICS

The courses in Physics are designed to train those who plan to pursue Engineering, Math, Computer Science, Chemistry, Biology, or a Health profession. Additionally, these courses are designed to provide a general knowledge in the modern fields of descriptive and quantitative experimental physics.

PRE-PROFESSIONAL OPPORTUNITIES IN THE SCIENCES

Pre-Medical, Pre-Dental, and Pre-Pharmacy Preparation

JCSU offers all courses required for preparation for medical, dental, pharmacy, and other allied health schools. A student may major in any area of study, but the University recommends a major in Biology or Chemistry. The following science courses are usually the minimum required for admittance to most medical schools: Biology, two semesters; Chemistry (general and organic), four semesters; and Physics, two semesters. Other specific courses are required by some medical schools. Academic advisors will aid students in arranging their programs.

THE METROPOLITAN COLLEGE

The Metropolitan College includes two academic entities: the Adult Degree Program and The Biddle Institute. These programs are designed to meet the unique learning needs of both traditional and non-traditional learners.

ADULT DEGREE PROGRAM

The Adult Degree Program is designed for students who are at least 25 years old. Schedules and instructional methodologies are designed to provide flexibility to accommodate working students. Degrees offered include: Criminology, Social Work, and Business Administration. Specialized certifications and special interest classes are also offered.

Interested individuals can get an application by logging on to www.metropolitancollege.jcsu.edu or contacting the Metropolitan College directly by calling 704-378-1253. The non-refundable $25 application fee may be paid by money order or certified check. Online applicants may pay with credit or debit cards.

Applicants must also submit copies of their health/immunization record along with official transcripts from any high school and/or college previously attended. Applicants with military history must submit a DD214 or a Notice of Basic Eligibility form.

Other application items include:

- Personal statement highlighting accomplishments and goals
- Reference letter from a college official, supervisor, or a senior administrator of a community organization
- Resume

Upon receipt of the completed application and the accompanying application fee, admissions processing will begin immediately. The student will be notified in writing of his/her admission status. If approved, the student will be scheduled to participate in orientation and class registration.

BIDDLE INSTITUTE

The Biddle Institute is comprised of traditional students who have not declared a major and freshmen whose admissions profile denotes non-cognitive indicators for college success.

Undeclared Major

A major consists of a set of prescribed courses in a field of study, administered primarily by one Department. Successful completion of major classes, General Education courses, and electives leads to Degree attainment. Students who have not declared a major will be advised in the Biddle Institute through the Academic Center of Excellence (ACE) until a major is declared.

Biddle Freshman Program

Biddle freshmen are comprised of freshmen students who receive enhanced support to ensure successful matriculation. SAT/ACT scores, GPA, and non-cognitive indicators such as persistence and engagement are considered when determining the eligibility of a student to participate in this program.

Biddle freshmen are advised by dedicated faculty and staff who are a part of Biddle Institute. Additionally, students may receive academic assistance through the University's tutorial services offered through the Academic Center of Excellence (ACE).

- Biddle freshmen take a maximum of 13 Credit Hours during their first semester at JCSU. These are required courses from the Liberal Studies curriculum. Choir and Band students may take a maximum of 14 Credit Hours.
- Biddle freshmen delay declaration of a major until a 2.5 GPA is earned after the first semester or a 2.0 is earned after the second semester.
- Biddle freshmen who fail to obtain a GPA greater than 1.8 after two semesters or 20 Credit Hours will be dismissed from the University.

ACADEMIC CENTER FOR EXCELLENCE ADVISING PROGRAM

The mission of the Academic Center for Excellence (ACE) Advising Program is to assist students who have not chosen a major or are thinking of changing a declared major in developing and implementing meaningful plans for achieving educational and life goals.

Using a proactive, intrusive advising approach, ACE advisors help students:

- Clarify values, identify strengths, assess interests, and choose a major
- Develop a meaningful, educational plan to achieve academic and life goals
- Select courses and prepare for registration
- Connect with campus resources
- Become aware of effective approaches to academic study
- Understand University policies and procedures

The role of the ACE advisor is to help students understand the value of a liberal arts education, provide information, and show students how to access the many educational resources available to them. Integral to the ACE mission is providing faculty and staff advisors with comprehensive advisor training and development to assist their advisees in achieving their goals.

COURSE DESCRIPTIONS

System of Course Numbers

Each course number is made up of three digits. The first digit indicates the classification level. The second digit indicates the number of credit hours. The third digit distinguishes the course from other Departmental courses in the same classification and credit bracket. Some courses have a middle digit of 8 or 9. The 8 generally indicates a two-credit course, and the 9 indicates a three-credit course.

Hyphenated courses are regarded as year-long courses and must be taken in sequence. Courses marked with an unexplained asterisk (*) are required for teacher certification.

ACCOUNTING (ACC)

ACC 235 Introduction to Financial Accounting Three credit hours
This course introduces accounting as an information system. The primary focus is on for-profit organizations and the measuring, processing, and communication of financial information for users external to the organizations. Emphasis is placed on recording and reporting financial activities following Generally Accepted Accounting. Principles (GAAP). Prerequisite: MTH 132 or higher.

ACC 236 Introduction to Managerial Accounting Three credit hours
This course introduces the fundamental concepts associated with accounting information that is useful to managers and other individuals working inside the business. Emphasis is placed on providing information to assist managers in their functions of planning, controlling, and decision-making. Prerequisite: ACC 235.

ACC 331 International Accounting Three credit hours
A study of accounting techniques worldwide and how different techniques affect multinational firms and day-to-day international business practices. Prerequisites: ACC 235 and junior standing.

ACC 334 Not-for-Profit Accounting Three credit hours
The study of the procedures of accounting for government and other not-for-profit entities. Prerequisites: ACC 235 and junior standing.

ACC 335 Intermediate Financial Accounting I Three credit hours
This is the first of the three-course intermediate accounting sequence. This course focuses on the conceptual framework underlying financial reporting by business enterprises, the processes by which authoritative guidelines are promulgated, integration of the conceptual

and computational aspects of income measurement, valuation and reporting problems associated with the accounting cycle, statement preparation, and asset accounting. Prerequisite: ACC 235, MTH 132 or MTH 137.

ACC 336 Intermediate Financial Accounting II **Three credit hours**
This is the second course in the three-course intermediate accounting sequence. Focus is on the integration of the conceptual and computational aspects of asset, liability, and stockholders' equity accounts. Prerequisite: ACC 335.

ACC 337 Intermediate Financial Accounting III **Three credit hours**
This is the third course in the three-course intermediate accounting sequence. Focus is on the integration of the conceptual and computational aspects of pensions, leases, income tax, and error correction in financial statements. Prerequisite: ACC 336

ACC 339 Cost Accounting **Three credit hours**
The study of basic principles, practices, and procedures of cost accounting including coverage of job order costing, process cost accounting, managerial profit planning and analysis, and budgeting. Prerequisite: ACC 236.

ACC 431 Accounting Information Systems **Three credit hours**
An introduction to electronic accounting information processing systems with particular emphasis on internal controls and computer auditing techniques. Prerequisites: ACC 335, CSC 131.

ACC 435 Advanced Accounting **Three credit hours**
An in-depth study of corporate accounting. Includes an analysis and evaluation of the structure and use of financial statements and reports, including consolidated statements. Prerequisite: ACC 337.

ACC 436 CPA Review **Three credit hours**
Problems of accounting peculiar to examination leading to CPA Certificate. Prerequisite: ACC 337.

ACC 437 Federal Income Tax Analysis I **Three credit hours**
An analysis of Federal Income Taxation and its application to individuals and organizations. Prerequisite: ACC 336.

ACC 438 Federal Income Tax Analysis II **Three credit hours**
A continuation of ACC 437. Emphasis is given to the issues of estates, trusts, and inheritance taxes. Prerequisite: ACC 437.

ACC 439 Auditing **Three credit hours**
A study of the purposes and scope of audits and examinations, auditing standards, various types of audits, and the form of auditing reports. Prerequisite: ACC 336.

AEROSPACE STUDIES (AERO)

AERO 1101 The Air Force Today **One credit hour**
Pre-professional co-requisite: AERO 1101L. Survey of topics relating to the Air Force including officership, professionalism, and basic communication skills. *(Fall Semester Only)*

AERO 1101L The Air Force Today **No credit hours**
Leadership Lab. *(Fall Semester Only)*

AERO 1102 The Air Force Today **One credit hour**
Pre-professional co-requisite: AERO 1102L. A continuation of AERO 1101 that includes a study of organizational structure and missions of the Air Force, life on an active-duty base, and the relation of other armed service components to the Air Force mission. (*Spring Semester Only)*

AERO 1102L The Air Force Today **No credit hours**
Leadership Lab (LLab). (*Spring Semester Only)*

AERO 2101 Development of Air Power I **One credit hour**
Pre-professional co-requisite: AERO 2101L. Examination of the development of air power from its beginning through the Cold War, emphasizing the evolution of air power concepts and doctrine. An assessment of communication skills is included. *(Fall Semester Only)*

AERO 2101L Development of Air Power I **No credit hour**
Leadership Lab. *(Fall Semester Only)*

AERO 2102 Development of Air Power II **One credit hour**
Pre-professional co-requisite: AERO 2102L. A continuation of AERO 2101 that examines the history of airpower from Vietnam to the present. Oral communication development is a critical element. (*Spring Semester Only)*

AERO 2102L Development of Air Power II **No credit hours**
Leadership Lab. (*Spring Semester Only)*

AERO 3101 Leadership and Management **Three credit hours**
Pre-professional co-requisite: AERO 3101L. Study of leadership theory and skills and the Air Force officer's role as a leader. Includes a study of management skills and their value in the military environment. Emphasis is placed on written and oral communication. *(Fall Semester Only)*

AERO 3101L Leadership and Management **No credit hours**
Leadership Lab (LLab). *(Fall Semester Only)*

AERO 3102 Defense Administration and Military Management — **Three credit hours**

Pre-professional co-requisite: AERO 3102L. Examination of Air Force doctrine, leadership, and ethics. Emphasis is placed on written and oral communication. (*Spring Semester Only)*

AERO 3102L Defense Administration and Military Management — **No credit hours**

Leadership Lab. (*Spring Semester Only)*

AERO 3201 National Security Issues in Contemporary American Society — **Three credit hours**

Pre-professional co-requisite: AERO 3201L. The executive-legislative matrix of our national government is developed and compared with other governmental systems. Special emphasis is put the role of the emerging military leader in implementing national policy decisions, civilian control of the military, and regional security issues. *(Fall Semester Only)*

AERO 3201L National Security Issues in Contemporary American Society — **No credit hour**

Leadership Lab. *(Fall Semester Only)*

AERO 3202 The Defense Leader: Perspectives on Ethics and Justice (V) — **Three credit hours**

Pre-professional co-requisite: AERO 3202L. Continued development of the fundamentals presented in AERO 3201 with special emphasis on the military as a profession and officership. Selected ethical and military justice scenarios are presented and discussed to prepare the student with an adequate intellectual framework for action as a professional military officer. (*Spring Semester Only)*

AERO 3202L The Defense Leader: Perspectives on Ethics and Justice — **No credit hours**

Leadership Lab. (*Spring Semester Only)*

AFRICAN-AMERICAN AND AFRICAN STUDIES (AAS)

AAS 231 Introduction to African-American and African Studies — **Three credit hours**

This is an introductory course that focuses on the methodologies, history, and significance of Black Studies in the study of the Black Experience.

AAS 495 Topics in African-American and African Studies **Three credit hours**

Advanced study of special topics in African-American and African Studies, usually on an interdisciplinary basis.

ARABIC (ARA)

ARA 131 Elementary Arabic I **Three credit hours**

An introductory course in the fundamental communicative skills of listening, speaking, reading, and writing. An interactive classroom approach emphasizing the application of language to concrete situations using essential vocabulary and structures as well as an appreciation of Arabic cultures.

ARA 132 Elementary Arabic II **Three credit hours**

A continuation of ARA 131 in an interactive classroom environment with emphasis on expansion of vocabulary and grammatical concepts as well as exposure to the concrete reality of culturally diverse attitudes and behaviors. Prerequisite: ARA 131 or placement by examination.

ARA 196 Introductory Topics in Arabic **Three credit hours**

This course provides a freshman-level introduction to a particular topic in Arabic language or literature. The course may be repeated for credit in cases where students take courses in different topics. This course may, at times, be cross-listed with ENG 196. Prerequisite: A grade of C or better in ENG 131 or ARA 131 or equivalent placement.

ARA 231 Intermediate Arabic I **Three credit hours**

Emphasis on communicative and writing skills. Includes short basic readings, conversation, grammar, and aspects of culture. Prerequisite: ARA 132.

ARA 232 Intermediate ARA II **Three credit hours**

A continuation of ARA 231 with more reading, conversation, and composition. Strong emphasis on developing facility in oral and written expression. Prerequisite: ARA 231.

ARA 296 Topics in Arabic **Three credit hours**

This course provides a sophomore-level examination of a particular topic in Arabic language or literature. The course may be repeated for credit in cases where students take courses in different topics. The four-credit version includes a lab that that examines the topic through Arabic-language texts. This course may, at times, be cross-listed with ENG 296. Prerequisite: A grade of C or better in ENG 131 or ARA 131 or equivalent placement. In addition to these requirements, permission of the instructor may be required for the four-credit version of the course.

ARA 496 Special Topics in Arabic **Three credit hours**

This course provides a detailed investigation of a special topic in Arabic language or literature. The course may be repeated for credit in cases where students take courses in different topics. Prerequisite: A grade of C or better in ENG 232, equivalent placement, or permission of the instructor.

ART (ART)

VPG 230 (formerly ART 130) Basic Design **Three credit hours**

A course designed to acquaint students with the basic skills and design principles of draftsmanship, color scheme, line quality, value scale, perspective, and compositional arrangement. Materials explored in this course are acrylic and water color paints, charcoal, black ink, graphite, and markers.

ART 133 Introduction to Drawing and Painting **Three credit hours**

A course designed to utilize the basic skills of draftsmanship. Emphasizes the use of form, line quality, linear organization, color harmony, modeling, compositional balance, and constructive critiquing. Materials explored in this course are acrylic and water color paints, charcoal, black ink, graphite, and markers.

ART 134 African-American Art History **Three credit hours**

A supplement to regular mainstream approaches in teaching American art history. Acquaints students with the distinguished creative output of Afro-American artists. Examines some two hundred years of Black creative efforts.

VPS 333 (formerly ART 136) Basic Painting **Three credit hours**

A course designed to acquaint students with the basic skills and design principles of painting, color scheme, line quality, value scale, perspective, and compositional arrangement. (*Spring Semester Only)*

ART 137 Studio Painting **Three credit hours**

A course designed to utilize the intermediate and advanced skills of painting. Emphasizes the use of form, line quality, compositional organization, color harmony, modeling, compositional balance, constructive critiquing, technique, conceptualism, and series work. Prerequisite: Permission of Art 136 instructor. *(Fall Semester Only)*

VPS 233 (formerly ART 230) **Three credit hours**
Art for the Elementary School

A discussion of skills that will facilitate artwork at the elementary school level. Emphasizes the development of creative ability. Two two-hour class meetings each week.

ART 231 Art Appreciation **Three credit hours**

A survey of styles, themes, and movements in Western art, from prehistoric cave paintings to artistic developments in the twenty-first century. (Satisfies the Humanities Group requirement in the Liberal Studies program.)

BANKING AND FINANCE (BAF)

BAF 231 Introduction to Financial Planning **Three credit hours**

An introduction to the field of financial planning as a profession as well as a collection of topics concerning development and implementation of individual financial plans. The course provides an overview of the personal financial planning process, including development of goals and objectives, forecasting lifetime income and expenditures, evaluating alternative investments, money management, risk management, taxation, retirement, and estate planning.

BAF 330 Business Finance **Three credit hours**

An introduction to the basic concepts of financial management, focusing on the financial environment and markets, financial analysis, risk, the valuation process, capital budgeting, time value of money, working capital management, and international markets. Prerequisites: ACC 235 and ECO 231.

BAF 331 Money and Banking **Three credit hours**

An examination of money, the U.S. financial system, central banking, monetary theory, stabilization policies, inflation, and international financial considerations. Prerequisite: ACC 235-236, ECO 231-232.

BAF 332 Commercial Bank Management **Three credit hours**

An analysis of the theory, issues, and practice of commercial banking from a financial management perspective. Includes the use of bank computer simulation. Prerequisite: BAF 330 and BAF 331.

BAF 333 Financial Statement Analysis **Three credit hours**

This course presents the concepts and techniques of financial analysis as employed by the external users of financial statements of publicly-traded companies that are prepared according to the Generally Accepted Accounting Principles. The objective of the course is utilizing accounting information in making investing, lending, and other managerial decisions. Prerequisites: ACC 235 and BAF 330.

BAF 334 International Finance **Three credit hours**

An introduction to the special financial problems encountered by a business or commercial bank operating in the international environment. Emphasis is given to cross-border transactions and risks, international financial markets and institutions, and the financing

of foreign trade and operations. Prerequisites: BAF 330. Offered in alternate semesters.

BAF 335 Cash Management **Three credit hours**
This course provides an application of corporate financial management concepts to the firm's short-term investment and financing decisions. Prerequisite: BAF 330.

BAF 336 Wills, Trusts, & Estate Planning **Three credit hours**
This course provides an understanding of federal estate and gift tax systems and discusses the role of the tax system, wills, and trusts on estate planning within the perspective of an individual's long-term goals. Topics include: federal estate and gift taxation; various estate planning techniques; trusts; life insurance as a estate planning tool; intra-family business and property transfers; planning for incapacity; and divorce planning. Prerequisite: BUS 335 or BUS 336.

BAF 337 Retirement Planning **Three credit hours**
A comprehensive study of personal, government-sponsored, and employee-sponsored retirement plans within the perspective of achieving an individual's retirement goals. Prerequisite: BUS 335 or BUS 336.

BAF 339 Risk Management & Financial Planning **Three credit hours**
This course examines the nature of risk and explores the principles of risk management from individual and business perspectives. The course covers tactics, techniques, and strategies for management of life, health, long-term care, property, liability, and disability risk exposures. Prerequisite: BAF 330.

BAF 430 Corporate Finance **Three credit hours**
An advanced study of a firm's financial strategy involving its long- and short-term investments, financing, and dividend decisions. Prerequisite: BAF 330.

BAF 431 Investments **Three credit hours**
An investigation of the investment environment and the concepts and practices of security analysis and portfolio management. Includes the use of computer simulations. Prerequisite: BAF 330.

BAF 432 Financial Institutions and Markets **Three credit hours**
An introduction to money and capital markets, financial intermediation, and bank and non-bank financial institutions as they relate to the supply and demand of loanable funds. Prerequisite: BAF 331.

BAF 433 Special Topics in Finance **Three credit hours**
This course studies selected topics of special interests in finance that are not covered in other offered courses. The content of the course is

tailored to the interests of the instructor and needs of the students. This course may be repeated with the permission of the advisor.

BIOLOGY (BIO)

BIO 110 Biology of the Origins of Life **One credit hour**
An exploration of biological requirements for life and theories of the origins of life. *(Summer Semester Only)*

BIO 143 Introduction to Biology I **Four credit hours**
An introduction to the biological sciences. Major concepts covered include the nature of scientific inquiry, cell biology, animal and plant physiology, genetics, and energetics, with a focus on the basic characteristics of living things. Lecture: Three hours per week. Laboratory: Three hours per week.

BIO 144 Introduction to Biology II **Four credit hours**
A continuation of BIO 143. Major concepts covered include taxonomy, ecology, biodiversity, and evolution with a focus on the interactions between organisms and their environment. Prerequisite: BIO 143. Lecture: Three hours per week. Laboratory: Three hours per week.

BIO 240 Human Anatomy and Physiology I **Four credit hours**
A study of the basic human structure, its division into various functional systems, and how they integrate with each other. The laboratory coverd the histological and physiological aspects of selected human systems. Prerequisite: BIO 143 or equivalent. Fulfills requirements for the Physical Education major and the Social Work major. Lectures: Three hours a week. Laboratory: Two hours a week.

BIO 241 Cell Biology **Four credit hours**
A detailed study of the structure, organization, physiological activities, and evolution of plant and animal cells. Prerequisites: BIO 143 and 144, CHE 131. Lectures: Three hours a week. Laboratory: Three hours a week.

BIO 242 Ecology **Four credit hours**
The relationships between organisms and their environment. Emphasis on the climatic, edaphic, physiographic and biotic principles involved and developing student research skills. Prerequisites: BIO 143 and 144. Lectures: Three hours a week. Laboratory: Four hours a week. Field trips and a student project are included in the laboratory.

BIO 245 Human Anatomy and Physiology II **Four credit hours**
This is the second course in a two-semester sequence that provides a comprehensive study of the organization of the human body and the physiology of body processes. Cellular biology, histology, lymphatic, circulatory, reproductive, respiratory, digestive, and excretory systems

are studied. Throughout the course an emphasis is placed on the interrelationship between structure and function and on the processes that maintain homeostasis, including deviations resulting in homeostatic imbalances. Prerequisite: BIO 240 and sophomore standing.. Lectures: Three hours a week. Laboratory: Two hours a week.

BIO 247 Zoology **Four credit hours**

Studies the biology of the major animal groups with an emphasis on morphology, taxonomy, diversity, and physiology. Prerequisite: BIO 143 and 144. Lecture: Three hours per week. Laboratory: Three hours per week.

BIO 248 Botany **Four credit hours**

A study of the morphology, physiology, heredity, evolution, and introductory taxonomy of plants. Prerequisite: BIO 143 and 144. Lectures: Three hours a week. Laboratory: Four hours a week.

BIO 313-314 Biochemistry Laboratory I & II **One credit hour each**

Laboratory courses to accompany Biology 333-334. Prerequisites: CHE 211, 231. Four hours of laboratory a week.

BIO 331 Laboratory Techniques **Three credit hours**

An interdisciplinary course in laboratory methods that include chromatography, electrophoresis, spectrophotometry, and electroanalytic methods. Designed for students interested in medicine, dentistry, or allied health professions. Prerequisites: BIO 241. CHE 111, 112, 131, and 132. Lecture: One hour a week. Laboratory: Three hours a week.

BIO 332 Literature of the Environment **Three credit hours**

A survey of classical and recent controversial ideas in ecology. This course is designed to provide students – both majors and interested non-majors – with avenues to explore ideas in philosophies of nature so they can apply these ideas to their own studies and academic and professional goals. Original articles ranging from early Greek philosophers to modern natural scientists, ecologists, poets, and philosophers are read and discussed in class. Students lead discussions on papers and articles from great thinkers and authors in ecology and natural philosophy. A term paper on the life of a noted ecologist or naturalist is required of each student. Prerequisite: Three credit hours of Science.

BIO 333 Biochemistry I **Three credit hours**

A study of the biochemical processes and molecular reactions occurring in living systems, including a study of carbohydrates, lipids, proteins, metabolic reactions, and accompanying energy considerations. Prerequisites: CHE 231 or consent of the Department. Lectures: Three hours a week.

BIO 334 Biochemistry II **Three credit hours**
A continuation of BIO 333. Prerequisites: Bio 333. Lectures: Three hours a week.

BIO 335 Theories and Mechanisms of Evolution **Three credit hours**
A survey of historical and modern theories of evolution ranging from the ideas of the Greeks through Darwin to modern theories and studies. Authors whose work is read, discussed, and criticized include Aristotle, Buffon, Agassiz, Lamarch, Darwin, Wallace, Mayr, Dobzhansky, Wilson, and Gould. The *Voyage of the Beagle* and *Origin of Species* are studied to note Darwin's methods of study and his reasoning in arriving at the Theory of Natural Selection. Recent papers concerning evolutionary theory are studied and discussed. Prerequisites: BIO 143 and 144.

BIO 336 Introduction to Bioinformatics **Three credit hours**
This course introduces students to DNA structure and replication; genetic code, and the human genome project; genome sequence acquisition and sequence analysis; pair wise and multiple sequence alignments; database searches; and some case studies. The students learn to analyze, develop, and implement tools that enable efficient access and management of different types of information and how to use UNIX and PERL for pattern recognition and searches.

BIO 340 Integrated Physiology **Four credit hours**
Analyses of processes by which vertebrates and invertebrates maintain, regulate, and perpetuate their structural and functional integrity. Prerequisites: BIO 241, CHE 231 and 211 Lectures: Three hours a week. Laboratory: Three hours a week.

BIO 341 Genetics **Four credit hours**
Basic concepts of transmission, population, and evolutionary genetics. Emphasizes human disease inheritance and the statistical analysis of evolutionary genetic change. Prerequisites: BIO 241 and MTH 137 or higher. Lectures: Three hours a week. Laboratory: Three hours a week.

BIO 342 Microbiology **Four credit hours**
An introduction to the study of microorganisms. Special emphasis on their relationship to man. Prerequisites: BIO 143 and 144. Organic Chemistry is recommended. Lectures: Two hours a week. Laboratory: Three hours a week.

BIO 346 Molecular Genetics **Four credit hours**
Molecular genetics, including replication, transcription, translation, control of gene expression, DNA damage, and the physical nature of DNA. Course also includes a laboratory emphasis on molecular biology techniques and an introduction to genomics and proteomics

concepts. Prerequisites: BIO 241 and MTH 137 or higher. Lectures: Three hours a week. Laboratory: Three hours a week.

BIO 411-412 Seminar **One credit hour**
Independent work on recent findings of some aspect of biology. Prerequisite: senior status or the approval of the seminar coordinator.

BIO 422 Laboratory Projects in Biology **Two credit hours**
Laboratory investigation designed to allow the student to become more actively involved in biological research either by participating in faculty-designed projects or by pursuing individual interests approved by the Department Chair. Progress reports, discussions, and presentation of results are required. Credit for this course can also be earned by outside research in industry, government, or academic settings. Requires a minimum of 80 hours of work time for two credit hours. May be repeated for credit upon approval of the Department Chair; however a maximum of three hours of BIO 422-430 credit may be applied to the Biology major or minor or General Science major requirements. Cross-listed as CHE 422. Prerequisite: Approval of Department Chair.

BIO 430 Research Problems in Biology **Three credit hours**
Independent or team work in laboratory investigation of some aspect of biology. Progress reports, discussions, and presentation of results are required. Credit for this course can also be earned by outside research in industry, government, or academic settings. Requires a minimum of 120 hours of work time for three credit hours. May be repeated for credit upon approval of the Department Chair; however a maximum of three hours of BIO 422-430 credit may be applied to the Biology major or minor or General Science major requirements. Cross-listed as CHE 430. Prerequisite: Approval of Department Chair.

BIO 433 Explorations in Genomics **Three credit hours**
This is a research-based course. Students learn to annotate genomic sequences in two steps. In the first step, structural annotation and genomic elements are identified. This includes defining genes, boundaries, gene elements like coding regions, gene structure, regulatory motifs, ORFs, exons, introns, and promoters characterization of putative protein products and other features in primary genomic sequence. The second step, functional annotation, applies biological information to genomic elements. It includes regulation, expression, and assigning biochemical and biological function to the gene. Prerequisites: BIO 336, CSC 336 or Departmental approval. Lectures: Three hours a week. Cross-listed as CSC 433.

BIO 434 Introduction to Pharmacogenomics **Three credit hours**
This course introduces students to informatics applications in the area with a special focus on the PharmGKB database, a publicly-available Internet research tool developed by Stanford University to aid

researchers in understanding how genetic variation among individuals contributes to differences in reactions to drugs. Class sessions are a mixture of lectures, demonstrations, and exercises. Prerequisites: CSC 131, BIO 336, or CSC 336, two semesters of Biology, or Departmental approval. Lectures: Three hours a week.

BIO 435 Special Topics: Bioinformatics Algorithm **Three credit hours**

This course provides an introduction to the algorithmic techniques applied in bioinformatics. The students learn to use software packages for processing biological information and to develop algorithms for sequencing, comparing sequences, finding patterns and structures, motifs, visualizing, and gene prediction. Various algorithms included in this course are exhaustive search, greedy algorithms, dynamic programming algorithms, divide-and-conquer algorithms, and combinatorial pattern matching. Prerequisites: BIO 336 or CSC 336. Lectures: Three hours a week. Cross-listed as CSC 435.

BIO 490 Internship in Biology **Three credit hours**

A supervised internship with hands-on experiences in a professional environment provides the student with exposure to the job market. The student is required to formally present a detailed description of his/her work activities and experiences. A minimum of 120 work hours must be completed for three credit hours. May be repeated for credit. Departmental approval required.

BIO 497-498-499 Special Topics in Biology **One, Two, or Three credit hours**

Seminar and/or laboratory courses requiring advance reading in the scientific literature. A current topic selected by the instructor is the focus for the semester. May be repeated for credit.

BUSINESS (BUS)

BUS 233 Business Statistics **Three credit hours**

Principles of applied business statistics, collection, tabulation, classification, presentation of business and economic data. Prerequisite: MTH 132 or Higher. Cross-listed with ECO 233

BUS 234 Quantitative Methods in Business **Three credit hours**

An introduction to the process and analytical decision-making tools used in business (service and manufacturing) and economics. Topics include: introduction to operation management, linear programming, inventory management, project planning and control, and forecasting. Prerequisites: BUS 233 or permission of instructor. Cross-listed with ECO 233.

BUS 335 Legal Environment of the Firm **Three credit hours**

A study of the legal settings of business organizations including ethical consideration of managers, shareholders, and consumers. Topics covered include torts, contracts, consumer credit, corporations, and employer-employee relationships. Prerequisite: ENG 132.

BUS 336 Elements of Business Law **Three credit hours**

Deals with the elements of law especially relevant to students who will take the CPA Exam. This course may be used as a substitute for BUS 335. Prerequisite: ENG 132.

BUS 339 Management Information Systems **Three credit hours**

An overview of various business information systems with special emphasis on information solutions in business problems. The impact of these solutions in various corporate levels is analyzed.
Co-requisites: ACC 236; ECO 232.

BUS 410 Professional Preparation **One credit hour**

Provides help in surfacing, organizing, and assessing information that will be useful in job hunting efforts, as well as coaching in resume writing, interviewing skills, image building, and action planning.

BUS 433 Business and Economic Research **Three credit hours**

An examination of various issues and topics from the perspective of business and economics including problem formulation, literature review, research and analytical design, data collection and analysis of data. This course culminates with the completion of an investigative paper in BUS 460. Prerequisite: BUS 233.

BUS 435 Business Policy **Three credit hours**

This capstone course deals with the administration process under conditions of uncertainty. Emphasis is placed on integrating knowledge acquired in the functional areas of business administration when formulating management policies. Prerequisite: ACC 236, MGT 334, ECO 232, BUS 234, BUS 330, BUS 339, and MKT 331.

BUS 450 Research and Case Analysis **Three credit hours**

This course uses case analysis research methodology to teach students how to bring together their knowledge of the functional areas of business administration (management, marketing, accounting, finance, and economics) to analyze the strengths, weaknesses, opportunities, and threats (SWOT analysis) of companies in different business situations. Students are taught to make recommendations to the company based on their analysis. Each student also selects a company to analyze in his or her Senior Paper in BUS 455. Prerequisite: ACC236, BUS 233, ECO 231, MGT 333, MKT 331, ECO 232, and BAF 330.

BUS 455 – Business Policy: **Three credit hours**
The Senior Investigative Paper

This course deals with conducting research to analyze a company under

conditions of uncertainty. Each student researches the company he or she selected in BUS 450 to write a Senior Paper that integrates the knowledge acquired in the functional areas of business administration (management, marketing, accounting, finance, and economics) to conduct a SWOT analysis and provide recommendations based on it. The paper is done under the supervision of a faculty member. Prerequisite: BUS 450.

BUS 460 Senior Paper **Three credit hours**
Students write an investigative paper based upon the research proposal developed in BUS 433. It is done under the supervision of a faculty member.

BUS 490 Internship **Three credit hours**
Internship is related to the business world. Minimum of 120 hours of on-the-job experience designed to bridge the gap between the academic and business worlds. Students must have an overall Grade Point Average of 2.0. Prerequisite: Six hours of Business Administration courses. Only one period of internship is permitted.

CHEMISTRY (CHE)

CHE 110 Chemistry of the Origins of Life **One credit hour**
An exploration of the basic chemical principles necessary to speculate about the chemical reactions necessary for the origin of life. (Summer Session Only)

CHE 111 General Chemistry Laboratory I **One credit hour**
Laboratory course to accompany Chemistry 131. Co-requisite: CHE 131 or consent of Department. Three hours of lab per week.

CHE 112 General Chemistry Laboratory II **One credit hour**
Laboratory course to accompany Chemistry 132. Prerequisite: CHE 111 and 131. Co-requisite: CHE 132 or consent of Department. Three hours of lab per week.

CHE 130 Foundations of Chemistry **Three credit hours**
Basic concepts and competencies of chemistry are presented and practiced. Students successfully completing the course should be better prepared to succeed in higher chemistry courses. For elective credit only.

CHE 131 General Chemistry I **Three credit hours**
A discussion of the fundamental principles of chemistry in relation to the physical and chemical properties of the metallic and nonmetallic elements and their compounds. Prerequisite: Placement in MTH 137 or higher; a passing score on Departmental placement exam; or approval of the Department Chair. Three lectures a week.

CHE 132 General Chemistry II **Three credit hours**
A continuation of Chemistry 131. Prerequisite: CHE 131. Co-requisite: CHE 112 or consent of department. Three lectures a week.

CHE 211 Organic Chemistry Laboratory I **One credit hour**
Laboratory course to accompany Chemistry 231. An introduction to basic laboratory techniques of organic chemistry plus explorations into organic synthesis, and spectral analysis. Prerequisites: CHE 112 and 132. Co-requisite: CHE 231 or consent of Department. Four hours of lab per week.

CHE 212 Organic Chemistry Laboratory II **One credit hour**
Laboratory course to accompany Chemistry 232. An introduction to basic laboratory techniques of organic chemistry plus exploration into organic synthesis, and spectral analysis. Prerequisites: CHE 211 and 231. Co-requisite: CHE 232 or consent of Department. Four hours of lab per week.

CHE 231 Organic Chemistry I **Three credit hours**
A study of the fundamental principles of organic chemistry including reaction mechanisms, functional group reactions and preparations, syntheses of and within both aliphatic and aromatic systems, plus stereochemical and spectroscopic considerations. Prerequisites: CHE 132. Three lectures a week.

CHE 232 Organic Chemistry II **Three credit hours**
A continuation of Chemistry 231. Prerequisite: CHE 231. Three lectures a week.

CHE 313-314 Biochemistry Laboratory I & II **One credit hour each**
Laboratory courses to accompany Chemistry 333-334. Prerequisites: CHE 211 and 231. Four hours of laboratory a week.

CHE 333 Biochemistry I **Three credit hours**
A study of the biochemical processes and molecular reactions occurring in living systems, including a study of carbohydrates, lipids, proteins, metabolic reactions, and accompanying energy considerations. Prerequisites: CHE 231 or consent of the Department. Lecture Three hours a week.

CHE 334 Biochemistry II **Three credit hours**
A continuation of CHE 333. Prerequisite: CHE 333. Lecture Three hours a week.

CHE 343 Analytical Chemistry **Four credit hours**
The theory and practice of analytical measurements as applied to volumetric and gravimetric determinations Prerequisites: CHE 212 and 232 or consent of the Department. Three lectures and four hours of laboratory a week.

CHE 344 Instrumental Analysis **Four credit hours**

A discussion of the theoretical principles and applications of modern chemical instrumentation including spectroscopic, chromatographic and electrochemical techniques. Appropriate experiments complement the discussion. Prerequisites: CHE 212, 232 and 343 or consent of the Department. Three lectures and four hours of laboratory a week.

CHE 411-412 Selected Experiments in Physical Chemistry **One credit hour each**

Laboratory courses to accompany Chemistry 431-432. Four hours of laboratory a week.

CHE 422 Laboratory Projects in Chemistry **Two credit hours**

Laboratory investigation designed to allow the student to become more actively involved in chemical research either by participating in faculty-designed projects or by pursuing individual interests approved by the Department Chair. Progress reports, discussions, and presentation of results are required. Credit for this course can also be earned by outside research in industry, government, or academic settings. Requires a minimum of 80 hours of work time for two credit hours. May be repeated for credit upon approval of the Department Chair. A maximum of three hours of CHE 422-430 credit may be applied to the Chemistry major or minor or General Science major requirements. Cross-listed as BIO 422. Prerequisite: Approval of Department Chair.

CHE 430 Research Problems in Chemistry **Three credit hours**

Independent or team work in laboratory investigation of some aspect of chemistry. Progress reports, discussions, and presentation of results are required. Credit for this course can also be earned by outside research in industry, government, or academic settings. Requires a minimum of 120 hours of work time for three credit hours. May be repeated for credit upon approval of the Department Chair. A maximum of three hours of CHE 422-430 credit may be applied to the Chemistry major or minor or General Science major requirements. Cross-listed as BIO 430. Prerequisite: Approval of Department Chair.

CHE 431 Physical Chemistry I **Three credit hours**

The principles of chemistry as applied to the properties and behavior of gases, liquids, solids, and solutions. The basic principles of thermodynamics, quantum mechanics, and kinetics and their applications to chemical and biochemical systems. Prerequisites: CHE 132, MTH 231, and PHY 242 or 244. Lectures: Three hours a week.

CHE 432 Physical Chemistry II **Three credit hours**

A continuation of Chemistry 431. Prerequisite: CHE 431. Lectures: Three hours a week.

CHE 435 Advanced Organic Chemistry **Three credit hours**

Topics of interest in theoretical and practical organic chemistry,

including mechanisms, reactions, and synthetic methods. Heterocyclic chemistry included. Prerequisite: CHE 232. Lectures: Three hours a week.

CHE 490 Internship **Three credit hours**

A supervised internship with hands-on experiences in a professional environment that provides the student with exposure to the job market or graduate school. The student is required to formally present a detailed description of his/her work activities and experiences. A minimum of 120 hours must be completed for three credit hours. May be repeated for credit. Departmental approval required.

CHE 497-498-499 Special Topics in Chemistry **One, Two or Three credit hours**

Seminar, discussion and/or laboratory course requiring advanced reading in scientific literature. A current topic selected by the instructor determines the focus for the semester. May be repeated for credit.

CHINESE (CHI)

CHI 131 Elementary Chinese I **Three credit hours**

An introductory course in the fundamental communicative skills of listening, speaking, reading, and writing. An interactive classroom approach emphasizing the application of language to concrete situations using essential vocabulary and structures as well as an appreciation of Chinese culture.

CHI 132 Elementary Chinese II **Three credit hours**

A continuation of CHI 131 in an interactive classroom environment with emphasis on expansion of vocabulary and grammatical concepts as well as exposure to the concrete reality of culturally diverse attitudes and behaviors. Prerequisite: CHI 131 or placement by examination.

CHI 196 Introductory Topics in Chinese **Three credit hours**

This course provides a freshman-level introduction to a particular topic in Chinese language or literature. The course may be repeated for credit in cases where students take courses in different topics. This course may, at times, be cross-listed with ENG 196. Prerequisite: A grade of C or better in ENG 131 or CHI 131 or equivalent placement.

CHI 231 Intermediate Chinese I **Three credit hours**

Emphasis on communicative and writing skills. Short basic readings, conversation, grammar, and aspects of culture. Prerequisite: CHI 132.

CHI 232 Intermediate Chinese II **Three credit hours**

A continuation of CHI 231 with more reading, conversation, and

composition. Strong emphasis on developing facility in oral and written expression. Prerequisite: CHI 231.

CHI 296 Topics in Chinese **Three to Four credit hours**
This course provides a sophomore-level examination of a particular topic in Chinese language or literature. The course may be repeated for credit in cases where students take courses in different topics. The four credit section includes a lab section that examines the topic through Chinese-language texts. This course may, at times, be cross-listed with ENG 296. Prerequisite: A grade of C or better in ENG 131 or CHI 131 or equivalent placement. In addition, a grade of C or better in CHI 132, equivalent placement, or permission of the instructor for the four credit version of the course.

CHI 496 Special Topics in Chinese **Three credit hours**
This course provides a detailed investigation of a special topic in Chinese language or literature. The course may be repeated for credit in cases where students take courses in different topics. Prerequisite: A grade of C or better in CHI 232, equivalent placement, or permission of the instructor.

COMMUNICATION ARTS (COM)

COM 130 Fundamentals of Speech **Three credit hours**
Introduction to speech communication as it applies to practical, intrapersonal, interpersonal, small group and public settings. Includes the study and practice of voice and dialect, organization and delivery of formal presentations and critical analysis of speech concepts and techniques. (Formerly Speech 130.)

COM 230 Introduction to Mass Communication **Three credit hours**
The course presents a survey of the nature, characteristics, and history of the mass communications industries – newspapers, magazines, motion pictures, records, radio, television, Internet communication, public relations, and advertising. It also introduces students to professional opportunities in those fields with guest speakers and field trips to local communication organizations. Required of all Communication Arts majors. Should be taken in the sophomore year. Prerequisite: A grade of C or better in COM 130.

COM 231 Media Writing **Three credit hours**
Basic techniques of writing in styles and formats widely employed in the professional media. Required of all majors, preferably in the sophomore year. Prerequisite: A grade of C or better in ENG 131 and ENG 132.

COM 232 Mass Communication Theory **Three credit hours**
Analysis of historical and contemporary theories with emphasis on

communication research. This course prepares students to advance into the junior and senior seminar courses. Required for all Communication Arts majors. Prerequisite: COM 230.

COM 233 Photojournalism I **Three credit hours**
A course in basic still photography and photojournalism. A laboratory fee may be required. (Same as VPG 233)

COM 234 Photojournalism II **Three credit hours**
Advanced course in composition and use of lighting for print and slide photography. Prerequisite: COM 233. A laboratory fee may be required. (Same as VPG 333)

COM 235 Design I **Three credit hours**
Basic course in visual concepts and design techniques. A laboratory fee may be required. (Same as VPG 235)

COM 236 Design II **Three credit hours**
Advanced course in visual concepts and design techniques for electronic and print media. Prerequisite: COM 235. A laboratory fee may be required. (Same as VPG 236)

COM 237 Broadcast Operations **Three credit hours**
Introduction to broadcast, cable station, and network operations, including management, programming, regulation, ratings, advertising, and sales. Includes attention to public and educational broadcasting, cable services, and new technologies. The class includes guest speakers, field trips, and readings from professional literature.

COM 238 Audio Production and Programming I **Three credit hours**
Audio programming practices and production techniques, nature and types of programs, radio and audio formats and strategies, acquiring and scheduling programs, and program analysis and criticism. Includes considerable hands-on practices. Prerequisite: COM 236 or 237.

COM 239 Video Production and Programming I **Three credit hours**
Introduction to video production – writing, recording, performing, and producing. Includes hands-on work as camera operators, directors, editors, and producers. Prerequisite: COM 236 or 237.

COM 240 Business Writing **Three credit hours**
Techniques of writing in business and other organizational contexts, including letters, reports, studies, and publicity materials. Public relations students may be advised to enroll in sections taught by Communication Arts faculty members. (Same as ENG 233)

COM 330 Reporting **Three credit hours**
Development of sound news judgment. Practice in various methods

of searching for news, interviewing, fact finding, and techniques of reporting news. Prerequisite: COM 231.

COM 331 Feature Writing **Three credit hours**
Training and extensive practice in writing feature stories for newspapers and magazines. Prerequisite: COM 231.

COM 332 Editing **Three credit hours**
Techniques and production processes employed in various types of publications. Copy editing, headline writing, layout, and other facets of editing newspapers, with attention to other types of publications as time permits. Prerequisite: COM 231.

COM 333 Design III **Three credit hours**
Advanced course in visual concepts and design techniques for electronic and print media incorporating the use of computer design tools. Prerequisite: COM 235 and COM 236.

COM 334 Journalism and Graphic Design Workshop **Three credit hours**
Practical experience in reporting, writing, editing, layout, design, and photography for the student newspaper. Copy editing, headline writing, layout, and other facets of editing newspapers, with some attention to other types of publications, is covered. May be repeated once for credit if available space permits. The class must be taken once in the Fall and once in the Spring Semester. The two semesters may be taken in either order. Prerequisites: COM 231, COM 330, and permission of instructor.

COM 335 Public Relations I **Three credit hours**
Training and extensive practice in employee communications, one of the two principal focuses of public relations practice. The complementary course, COM 336, Public Relations II, focuses on media relations. Minor topics in public relations are subdivided between the two courses, which may be taken in either order. Prerequisite: COM 231, COM 240, or consent of the Department.

COM 336 Public Relations II **Three credit hours**
Training and extensive practice in media relations, one of the two principal focuses of public relations practice. The complementary course, COM 335 (Public Relations I), focuses on employee communication. Minor topics in public relations are subdivided between the two courses, which may be taken in either order. Prerequisite: COM 231, COM 240, or consent of the Department.

COM 337 Public Relations Workshop **Three credit hours**
Practical experience in public relations work, including writing for a professional newsletter, promotional campaigns, and other public relations work as available in any semester. May be repeated once for

credit if available space permits. Marketing communications is covered in the fall and computer skills in the spring. If the class is taken twice, one semester must be taken in the Fall Semester and the other in the Spring. Prerequisite: COM 335 Public Relations I or Com 336 Public Relations II

COM 338 Audio Production and Programming II Three credit hours
Advanced study of functions, theory, tools, and techniques of audio production and writing. Students write, perform, and produce in studios, production rooms, and in the field. Includes the study of audio equipment plus hands-on practice in production techniques. Prerequisite: COM 238.

COM 339 Video Production and Programming II Three credit hours
Advanced study and practice in video studio and field production, including both technical and creative facets. Writing, producing and editing video projects. Prerequisite: COM 239.

COM 360 Junior Seminar Three credit hours
The student formulates a topic, conducts a literature search, and develops a research plan as necessary to write a proposal for a Senior Investigative Paper. The proposal is presented orally, using audiovisual support when appropriate, and reviewed by at least one reader in addition to the instructor and whose advice is considered in determining the grade. Successful completion of the course requires acceptance of the written proposal. The course requires regular individual meetings with the instructor in addition to scheduled class time. Required of junior Communication Arts majors who have completed COM 231 and COM 232.

COM 362 Video Post-Production Three credit hours
Techniques and applications of editing video for broadcast, independent, and corporate productions, including production of titles and graphics. Prerequisite: COM 239.

COM 364 Argumentation and Debate Three credit hours
A practical course in learning how to build and refute arguments in order to participate in various types of debates. Includes study of reasoning and classic canons of rhetoric, such as invention of topics, arrangement, style, and delivery. Also includes extensive research and case studies.

COM 366 Beginning Web Design Three credit hours
Introduces students to the basics of web site development.

COM 430 Communication Management, Marketing and Research Three credit hours
Covers business-side operations in media firms, including advertising, research, marketing, promotions, and sales.

COM 431 Media Literacy **Three credit hours**

An analytical approach to various mass media with an emphasis on the development of media literacy – the ability to critically assess and respond to mass-media messaging. Students learn how media content is constructed and how to interpret the intentions of the messages through critical viewing, listening, and thinking. Prerequisite: COM 231.

COM 432 Intercultural Communication **Three credit hours**

Introduces students to the study of intercultural communication by examining the influence of culture in different communication contexts. The instruction endeavors to move students from theory to practice by engaging them with simulated and experiential activities and multicultural experiences, and by interviewing people of differing cultural and social groups. Prerequisite: COM 231.

COM 433 The African-American Press **Three credit hours**

A history of the African-American press, including an examination of Black newspapers. Prerequisite: junior or senior standing.

COM 434 Broadcast News Writing and Announcing **Three credit hours**

Instruction in gathering information, writing, and announcing for radio and television. The focus is mainly on news and public affairs but the course may include attention to other types of programming. Prerequisite: COM 231.

COM 435 Audio Workshop **Three credit hours**

Advanced work in the campus audio facilities. Students conduct all facets of production and operations. With the approval of the instructor, a student may work in a variety of operations roles or concentrate on one function – production, announcing, programming, promotions, research, interviewing, studio or field recording, or editing. May be repeated once for credit if space permits. Prerequisites: COM 237 and at least one of the following: COM 238, COM 343, or COM 430. Students may substitute certain required courses with the approval of the Department.

COM 436 Video Workshop **Three credit hours**

Work on the production of longer video projects. With the approval of the instructor, a student may work in a variety of facets of the production of a show or concentrate on one function – research, writing, interviewing, performance, camera work, or editing. May be repeated once for credit if space permits. Prerequisite: COM 239 or COM 434. Students may substitute certain required courses with the approval of the Department.

COM 437 Sports Broadcasting **Three credit hours**

Introduction to the study of sports broadcasting. Emphasis is on the

role of the sports announcer. Students learn the fundamentals of sports reporting, sportscasts, sports critiques, research, and game play-by-play broadcasting.

COM 438 Speaking in the Professions **Three credit hours**
Practice in preparing and presenting various types of speeches expected of professional people and planning and conducting public discussions. Practice in Parliamentary Procedure. Prerequisite: Grade of C or better in COM 130.

COM 439 Special Topics in Journalism and Graphic Design, Public Relations, and Telecommunications **Three credit hours**
Advanced study in professional practices in journalism and graphic design. May be repeated for up to six hours of credit if topics are different. Prerequisite: Permission of Department.

COM 460 Senior Seminar **Three credit hours**
The student writes a Senior Investigative Paper and presents it orally, using audiovisual support when appropriate. The paper is reviewed by at least one reader in addition to the instructor and whose advice is considered in determining the grade. Successful completion of the course requires acceptance of the paper by the University. The course requires regular individual meetings with the instructor in addition to scheduled class time. Required of Communication Arts majors. Prerequisite: Grade of C or better in COM 360.

COM 490 Internship in Journalism and Graphic Design, Public Relations, and Telecommunications **Three credit hours**
Practical experience in publishing and graphic arts in professional organizations. Open only to Communication Arts majors upon the determination by an advisor that the student is prepared for the internship. May be repeated for a total of six credit hours. An internship requires 120 hours of work time for three hours of academic credit. Prerequisite: Permission of instructor and advisor.

COM 499 Independent Study in Communications **One, Two, or Three credit hours**
An in-depth study in an area of communications consistent with student interest and possible career objectives. Study should include planned and structured work or special project cooperatively determined by student and instructor. Enrollment: One, two, or three hours according to the scope of the work or project to be completed. The course may be repeated once for credit. Multiple enrollments may not exceed six credit hours. Prerequisites: Advanced standing and permission of the Department.

COMPUTER ENGINEERING (CSE)

CSE 138 Introduction to Computer Science and Engineering **Three credit hours**

The course covers a description of a computer system, relationship between software and hardware, software and hardware configuration, and introduction to logic circuits, electronic circuits and systems, plus a hands-on lab experience.

CSE 330 Logic and Digital Circuits **Three credit hours**

Basic logic gates, number systems, combinational logic circuits, optimization of logic circuits and K-maps, applications in logic systems design, sequential logic circuits, registers, memory, and applications of sequential circuits. Prerequisite: MTH 137 or higher, and CSE 138.

CSE 331 Circuit Theory I **Three credit hours**

The course emphasizes Kirchoff's laws, voltage and current sources, d-c circuit analysis, circuit theorems, Thevenin's theorem, Norton's theorem, superposition theorem, maximum power transfer theorem, mesh and node equations. It also includes A-C waveforms, average and r.m.s. calculations, active and reactive power, introduction to a-c circuits, phasor diagrams, and an introduction to transit circuit analysis. Prerequisite: MTH 231 or higher.

CSE 332 Foundations of Semiconductor Devices **Three credit hours**

This course provides an introduction to semiconductor devices, P-N junctions, diode special diodes, P-N-P and N-P-N BJT, D-C characteristics and biasing circuits, D-C and A-C load lines , Field effect Transistors (FET), MOSFETs and CMOS characteristics, and biasing circuits. Plus an introduction to amplifier circuits using BJT, RFT, and MOSFET. Prerequisite: CSE 331.

CSE 334 Electronics Measurements and Design **Three credit hours**

This course introduces students to electronics-measuring equipment such as oscilloscopes, power supplies, and multimeters. It also includes the design and implantation of diode circuits, BJT circuits, EFT and MOSFET circuits, and some power electronic devices. Co-requisite: CSE 332.

CSE 335 Circuit Theory II **Three credit hours**

The course is a continuation of CSE 331. It entails the study of sinusoidal and non-sinusoidal waves, reactance, impedance, simple transient analysis of electrical circuits, R-L, R-C, and R-L-C responses, complex frequency and phasors, steady-state AC circuits, power and power factor, filters, op-amp circuits, and two port networks. PSpice simulation program is used as a computer-aided tool to analyze, develop and implement the circuit designs. Prerequisite: CSE 331.

CSE 430 Senior Project **Three credit hours**

The Department offers a group of Senior Projects every year that cover different areas in computer science, information technology, and computer engineering. These projects require individual investigation and research, as well as team hardware and/or software implementation. Each student is required to successfully complete a Senior Investigative Paper. Prerequisite: Senior status and permission of the Department.

CSE 432 Electronics Circuit Design **Three credit hours**

The course includes operational amplifiers; RC and RF amplifiers; an introduction to pulse circuits, feedback, and oscillators; analog and digital integrated circuits; and VLSI technology. Prerequisite: CSE 332.

CSE 433 Digital Signal Processing **Three credit hours**

This course emphasizes the sampling theory, spectrum of sampled signals, pulse code modulation, encoders/decoders, digital modulation techniques, frequency shift keying, phase shift keying amplitude shift keying, delta modulation, digitization of audio and video signals, image compression and effect of noise on digital signals. The course also includes laboratory experience in the DSP Lab. Co-requisite: CSE 432.

CSE 434 Advanced Electronics Systems **Three credit hours**

This course introduces the students to a variety of advanced electronics systems such as microwave systems, transmission line systems, antenna systems, analog and digital communications systems, automatic control systems, and robotics. The course includes lab experience in a variety of labs. Co-requisite: CSE 432.

CSE 435 Practicum **Three credit hours**

This course represents an opportunity for students, under the supervision of faculty, to obtain work experience in the areas covered by the Department's academic programs. This can be implemented through internships and/or research projects; 40 hours of work per credit is required. Accordingly, the student must work 120 hours for this three-credit-hour course. Prerequisite: Consent of Department.

CSE 436 Automatic Control Systems **Three credit hours**

This course includes elements of electronic control systems, open and closed loop control systems, feedback systems, transfer function for control systems, Nyquest criteria and stability of control systems, stabilizing phase lead and phase lag circuits, Bode diagrams, dc and ac control systems, an introduction to digital control systems, and an introduction to digital control systems. The course includes lab experience in the Automatic Control and Robotics Lab. Co-requisite: CSE 433.

CSE 438 Advanced Logic and Microprocessors **Three credit hours**

The course includes sequential logic circuits, flop flops, computer reliability, computer arithmetic, assembly language programming, the central processing unit, microprocessor architecture, memory organization, input/output, and practical microprocessor architecture. Prerequisite: CSE 330.

CSE 439 Special Topics in Computer Science and Engineering **Three credit hours**

In this course, special topics covering new advances in computer science, computer engineering, and information technology are selected and offered by the Department. The theme covered by the course may change from one semester to another. Examples of topics are new networking operating systems, new database packages, artificial intelligence, and telecommunications. Prerequisite: Consent of the Department.

COMPUTER SCIENCE (CSC)

CSC 131 Computer in Society **Three credit hours**

This course provides students with an introduction to computer hardware and software in addition to computer applications such as work processing spreadsheets, database, power point, and multimedia. The course also introduces students to the World Wide Web.

CSC 230 Introduction to Programming **Three credit hours**

This is an introductory level course in programming using Visual Basic (VB). Prerequisite: MTH 131 or higher.

CSC 231-232 Computer Programming I, II **Three credit hours**

These two courses include fundamentals of computer program design, flow charts, pseudo codes, and fundamentals of structured and object-oriented programming. Students are taught how to design, code, and execute programs using structured and object-oriented programming languages decided by the Department (C++/Java). The two courses must include the implementation of competitive programming projects.

CSC 233 Introduction to Discrete Structures **Three credit hours**

The course includes elements of set algebra, partitions, and counting techniques, as well as Boolean algebra, graphs, trees, grammars, basic theory of groups, and finite state machines. The course also includes the applications of these structures in computer science. Prerequisites: CSE 138 and MTH 131.

CSC 234 Data Structures and Algorithms **Three credit hours**

The course includes basic concepts of data, linear lists, arrays and strings, representation of trees and graphs, hashing, sorting, and

search algorithms, as well as multi-linked structures, files, and storage allocation and collection. Prerequisite: CSC 232.

CSC 330 Systems Analysis and Design **Three credit hours**

The course introduces students to system concepts, tools, and software engineering approach to the analysis and design of systems to meet the needs of an organization. The course also includes case studies. Prerequisite: CSC 231.

CSC 331 Application Programming **Three credit hours**

The focus of this course is the use of structured and object-oriented programming languages (Java/C++), in the design and implantation of medium- and high-level programming projects. The projects should reflect practical applications from the information technology area including business, computer science, and engineering applications. Prerequisite: CSC 234.

CSC 333 Computer Organization and Architecture **Three credit hours**

This course covers computer interconnection structures, central processing unit, instruction format and execution, memory organization and addressing techniques, micro-programmed control, I/O programming and interrupt handling, assembly language programming, parallel processing, pipelining, and RISC architecture. Prerequisite: CSC 232.

CSC 334 Introduction to Operating Systems **Three credit hours**

This course consists of a brief history of operating systems, major functions of modern operating systems including process management, input/output systems, memory, management, and file and data management, as well as design consideration and comparison between widely used modern operating systems. Prerequisite: CSC 232.

CSC 335 Internet Programming **Three credit hours**

This course covers HTML, XML Java programming, and web site design and implementation using various links to databases other web sites, and applications in e-commerce. Prerequisite: CSC 331.

CSC 336 Introduction to Bioinformatics **Three credit hours**

This course introduces students to DNA structure and replication, genetic code and the human genome project, genome sequence acquisition and sequence analysis, pairwise and multiple sequence alignments, database searches, and some case studies. The students are able to analyze, develop, and implement tools that enable efficient access and management of different types of information and use UNIX and PERL for pattern recognition and searches. Prerequisites: CSC 131 or LS 135, HON 110, or Departmental approval.

CSC 337-338 Introduction to Programming Languages **Three credit hours**

This course covers fundamental characteristics, syntax, and structure of several major programming languages, plus formal specifications of syntax, data types, operations, subroutine subprograms, statement types, and program structure, run-time representation of programs and data, program linkage, and data transfer between programs. Prerequisite: CSC 232.

CSC 339 Bioinformatics Programming **Three credit hours**

This course introduces students to programming for bioinformatics. The Human Genome Project has produced a large amount of biological data currently stored in databases around the world. Students learn how to manipulate the sequencing and other biological data. Programming languages such a PERL and/or Python, suitable for manipulating textual data and pattern searching, is used to extract, modify, and manipulate data. Students learn to access a supercomputer (located at Carnegie Melon in Pittsburgh) and program in a UNIX environment. Prerequisites: CSC 336 (Cross listed as BIO 336) and CSC 132 or CSC 231 or Departmental approval.

CSC 421-422 Introduction to Theory of Computing **Three credit hours**

These two courses cover the fundamental concepts of automata theory, finite state and Turning machines, grammars and parsing techniques. Prerequisite: CSC 232 and 233.

CSC 432 Numerical Methods I **Three credit hours**

The course covers algorithms and computer techniques for numerical solutions of problems in several areas including numerical integration and differentiation, systems of linear equations, zeros of functions, and curve fitting. It also includes round-off error analysis. Prerequisite: MTH 231, 232, and CSC 232.

CSC 433/BIO 433 Explorations in Genomics **Three credit hours**

This is a research-based course. Students learn to annotate genomic sequences in two steps. In the first step, structural annotation, genomic elements, are identified. This includes defining genes, boundaries, gene elements like coding regions, gene structure, regulatory motifs, ORFs, exons, introns, promoters, characterization of putative protein products, and other features in primary genomic sequence. The second step, functional annotation, applies biological information to genomic elements. It includes regulation, expression, and assigning biochemical and biological function to the gene. Prerequisites: BIO 336, CSC 336, or Departmental approval.

CSC 435/BIO 435 Special Topics: Bioinformatics Algorithms **Three credit hours**

This course provides an introduction to the algorithmic techniques

applied in bioinformatics. Students learn to use software packages for processing biological information and are able to develop algorithms for sequencing, comparing sequences, finding patterns and structures, motifs, visualizing, and gene prediction. Various algorithms included in this course are exhaustive search, greedy algorithms, dynamic programming algorithms, divide-and-conquer algorithms, and combinatorial pattern matching. Prerequisites: BIO 336/CSC 336.

CSC 436 Topics in Computer Science **Three credit hours**
A course designed to expose students to current and new developments in computer science. Prerequisite: Permission of Department.

CSC 437 Software Engineering **Three credit hours**
Introduction to software processes, software requirements analysis and specifications, planning a software process, software requirements analysis and specifications, planning a software project and function-oriented design, object-oriented design, coding, and testing. Prerequisite: CSC 234.

CSC 438 Database Processing **Three credit hours**
The course covers files and data structures for the database environment, logical and physical organization of a database, data models and query languages, concept of normal forms, data independence, security, integrity, and concurrency. Some special database packages may be included such as db2 and Oracle. Prerequisite: CSC 234.

CSC 439 Data Communications **Three credit hours**
The course covers fundamentals of data communications, protocols, architecture, standards, data communications hardware/software, and communications media, LANs, WANs, MANs, network topology and applications, intersystem connectivity, network management, shared media and switched networks, servers, video teleconferencing fundamentals, ISDN networks, and ATM. Prerequisite or Co-requisite: CSC 334.

CRIMINOLOGY (CRIM)

CRIM 131 Introduction to Criminal Justice **Three credit hours**
This course is designed to introduce students to the criminal justice system in America. It provides a comprehensive survey of current theories and practices in the field of criminal justice. Included in the course is a study of the principle functions of law enforcement agencies, courts, and correctional institutions, as well as a survey of criminology theory.

CRIM 230 Crime and Society **Three credit hours**
An analysis of current issues in criminal justice with an emphasis on opposing viewpoints. Students learn to understand and evaluate the

debates surrounding issues and how they relate to race, economics, politics, morality, and ethics. Students are encouraged to develop and express an educated opinion on the topics explored. (*Offered Alternate Years*)

CRIM 237 Juvenile Delinquency **Three credit hours**
An analysis of the antisocial behavior of youth with emphasis on causes, consequences, and prevention efforts. Contemporary issues of juvenile adjudication and treatment are also addressed. Prerequisite: CRIM 131 (*Offered Alternate Years*)

CRIM 332 Law Enforcement & the Community **Three credit hours**
Critical exploration of police personnel and practice in the context of communities served by police. Emphasis is placed on community policing as a model for modern law enforcement. Prerequisite: CRIM 131. (*Offered Alternate Years*)

CRIM 334 Criminal Investigation **Three credit hours**
This course exposes students, through lectures and hands-on experiences, to the techniques and application of criminal investigative procedures. Students are introduced to all types of criminal investigation including child abuse, crime scene, and white-collar crime. Prerequisite: CRIM 131 or permission of instructor.

CRIM 335 Corrections **Three credit hours**
An analysis of the historical development of adult correctional institutions and contemporary models for incarceration. Institutional life, probation, parole and other issues and problems facing the modern penal system are also explored. Prerequisite: CRIM 131. (*Offered Alternate Years*)

CRIM 339 Criminology **Three credit hours**
An examination of both classical and contemporary theories of crime, its causes, consequences, and prevention. Prerequisite: SOC 131. (*Offered Alternate Years*)

CRIM 430 Police Administration **Three credit hours**
A study of the historical and contemporary organization and administration of the police. Special emphasis is placed on the hiring, training, and professionalization of police officers.

CRIM 432 Social Research I **Three credit hours**
An introduction to the techniques, and methods of scientific inquiry. Prerequisite: SOC 131 and nine credit hours of Criminology or consent of instructor. This course must be completed with a grade of C or better before enrolling in CRIM 490. *(Spring Semester Only)*

CRIM 433 Social Research II **Three credit hours**
An intensive study of research procedures with special emphasis on

qualitative research and preparation for the Senior Investigative Paper. Prerequisite: SOC 131 and CRIM 432. *(Fall Semester Only)*

CRIM 434 Drug Enforcement **Three credit hours**
This course is designed to acquaint students with the legal, social, and health issues associated with illicit drug use in the United States. The course covers the history, regulation, pharmacology, and the law enforcement and interdiction strategies used both domestically and internationally. Prerequisite: CRIM 131 or permission of instructor.

CRIM 435 Criminal Law **Three credit hours**
The course focuses on how constitutional procedures govern the behavior of law enforcement in a democratic society. Emphasis is placed on the professional application of procedural law and the elements of substantive criminal law. Prerequisite: CRIM 131 or Law 230. (*Offered Alternate Years*)

CRIM 436 Internship in Criminology **Three credit hours**
Through placement in a criminal justice agency or social service agency, students put into practice the concepts, methods, and theories learned in coursework. Students work 120 hours at an agency during a semester. Course may be taken twice. Prerequisite: CRIM 131.

CRIM 490 Senior Paper in Criminology **Three credit hours**
The course is designed to help students achieve a synthesis of social science knowledge culminating in the writing of the Senior Investigative Paper. Prerequisite: CRIM 131, CRIM 432, and CRIM 433.

CRIM 494 Special Topics in Criminal Justice **Three credit hours**
Advanced study of special topics in criminal justice. May be repeated for a total of twelve credit hours.

DRAMA AND FILM (DRA)

DRA 232 Introduction to Theatre **Three credit hours**
A comprehensive survey of the history and theory of theatre from classical to modern times. Emphasis on performance.

DRA 330 African-American Film History **Three credit hours**
This course is a historical and critical study of the Black image in American films from the silent era to the present, as well as of the history of Black commercial and independent filmmaking, including its production, distribution, and popular and critical reception. Students study select works representative of the major genres and eras in African-American film history.

DRA 332 Film Criticism **Three credit hours**
Study of the film as an art form. Viewing and criticism of short and

longer subjects. Emphasis on contemporary film. The course includes extensive practice in writing reviews and criticism.

DRA 333 Drama Workshop **Three credit hours**
A practical course in the staging of plays. Attention is given to acting, lighting, costuming, make-up, scene design, and other aspects of the art. Includes lectures and workshops. Open to all students interested in dramatics. May be repeated once for credit, but only three hours may be counted toward credit for the English major.

DRA 433 Modern Drama **Three credit hours**
Extensive reading and study in representative works of modern European and American dramatists. Attention given to purpose, theme, and techniques. Same as English 433

ECONOMICS (ECO)

ECO 231 Principles of Macroeconomics **Three credit hours**
An introductory course that deals with the scope and methodology of economics as a social science, including the analysis of demand and supply, national income, unemployment and inflation, theory of national income determination, money and banking, fiscal and monetary policy, and international economics. Prerequisite: MTH 132 or higher or permission of the instructor.

ECO 232 Principles of Microeconomics **Three credit hours**
This course studies the essentials of demand and supply analysis, behavior of consumers, analysis of the firms under different forms of markets, factor price determination, and market failures. Prerequisite: ECO 231 or permission of the instructor.

ECO 233 Economic Statistics **Three credit hours**
Principles of applied business statistics, collection tabulation, classification, and presentation of business and economic data. Prerequisite: MTH 132 or higher. Cross-listed with BUS 233.

ECO 234 Quantitative Methods in Business **Three credit hours**
An introduction to the process and analytical decision-making tools used in business (service and manufacturing) and economics. Topics include: introduction to operation management, linear programming, inventory management, project planning and control (PERT CRP and CPM), and forecasting. Prerequisite: BUS 233 or permission of instructor. Cross-listed with BUS 234**.**

ECO 332 Urban and Regional Economics **Three credit hours**
An analysis of the various theories of regional and urban development. Prerequisite: ECO 232.

ECO 334 International Economics and Social Problems **Three credit hours**

A comprehensive view of the international field of exchange, production, and distribution. Prerequisite: ECO 232.

ECO 335 Microeconomic Theory **Three credit hours**

Examination of value and distribution theory, including the theory of consumer behavior and theory of firms. Prerequisites: ECO 231 and 232.

ECO 336 Macroeconomic Theory **Three credit hours**

An analysis of the national income level, employment, and price levels. Prerequisite: ECO 335.

ECO 431 Industrial Organization and Regulation of Business **Three credit hours**

A discussion of market structures and problems of public policy created by the attempt at their control and regulation. Prerequisite: ECO 336.

ECO 432 Economic Development **Three credit hours**

A study of the economics of underdeveloped countries with a major concentration on African countries. Prerequisite: ECO 335 and 336 or permission of instructor.

ECO 437 Public Finance **Three credit hours**

An economic analysis of the rationale for public expenditures and taxation. Externalities, pollution and public policy, income redistribution and public welfare, and cost benefit analysis, taxation and state policy, state and local finance and fiscal federalism. Prerequisite: ECO 232 or permission of instructor.

ECO 438 Environmental Economics **Three credit hours**

This course focuses on the use of economics in understanding pollution, congestion, conservation, and other environmental problems. Relevant economic models such as pricing schemes, damage functions, and benefit-cost analysis are studied. Pollution taxes, regulations, marketable permits, and subsidies considered in designing alternatives in the incentive system are also studied, as well as non-market decision-making as an alternative in the area of public policy. Prerequisite: ECO 232 or permission of instructor.

EDUCATION (EDU)

EDU 230 Exploring Teaching as a Career of Education **Three credit hours**

This course serves as an orientation to teaching as a career and the JCSU Teacher Education program, including the procedures for

teacher licensure. It provides a broad overview of the field of education. Emphasis is on teaching as a profession as well as on issues and trends in contemporary American education. Students learn about the leadership roles that teachers provide in the schools, in the community, and within the profession. Additionally, students learn about the history of American education and the philosophies of education. Observations and participation in school settings are required. (Formerly EDU 230)

EDU 235 Teaching the Arts in the Elementary School **Three credit hours**

The course provides extensive learning and exploratory experiences for prospective classroom teachers to comprehend basic principles and elements of the arts. Emphasis is on techniques and strategies that integrate the arts with the teaching of other subject areas in the elementary classroom. Exposure to and interaction with state-of-the art technological teaching devices are used to aid and accelerate music and visual arts symbols and terminology.

EDU 295 Introduction to Teaching **Three credit hours**

This course is designed for practicing teachers in public, private, and charter schools seeking licensure through alternate routes. It focuses on issues in schools and teaching in diverse classrooms, as well as the historical and philosophical foundations of education. Emphasis is placed on the needs of teachers in their individual classroom and reflective practice.

EDU 296 Psychology of the Exceptional **Three credit hours**

An examination of psychological approaches to understanding exceptional children. Emphasis is on applications to educational settings. (Same as Psychology 230) Prerequisite: Consent of Department of Education.

EDU 311 Junior Practicum in Elementary Education **One credit hour**

The Practicum provides juniors studying Elementary Education with an opportunity to strengthen their understanding of elementary school programs and to acquire skills and experiences by working directly with children in a classroom setting. This course is taught concurrently with the EDU 337. Prerequisite: Consent of Department of Education.

EDU 312 Junior Practicum in Secondary Education **One credit hour**

The Practicum will provides juniors studying Secondary Education and Special Area K-12 Programs with an opportunity to strengthen their understanding of the secondary school programs and to acquire skills and experiences by working directly with children in a classroom setting. This course is taught concurrently with EDU 439. Prerequisite: Consent of Department of Education.

EDU 331 Issues and Trends in Education **Three credit hours**

An examination of historical and current issues and trends in education from a global perspective. Work in this thinking-intensive course includes reading, writing, and speaking. This is an elective course open to all sophomores, juniors, and seniors.

EDU 332 Children's Literature **Three credit hours**

This course provides an overview of the range of books for children, genres of children's literature, and a study of the criteria used to evaluate and choose children's books. It also includes history and trends of children's literature. Strategies for sharing books with children and integrating literature throughout the curriculum are included. Prerequisite: Consent of Department of Education.

EDU 337 Teaching Communication in the Elementary School I **Three credit hours**

The first of two courses designed to teach language/literacy in the elementary school. Focus is on the reading process and effective use of methods, techniques and materials in reading instruction. Emphasis is on the integration of the language arts. This course is taught concurrently with EDU 311. Prerequisite: Consent of Department of Education.

EDU 339 Teacher Education Honors Seminar **Three credit hours**

This course is required of students enrolled in the Teacher Education Honors Program. It provides an opportunity for advance study, research, and service on behalf of a problem or issue in public education. Prerequisite: Enrollment the Teacher Education Honors Program.

EDU 410, 420 Independent Study **One to two credit hours**

A planned and structured research project jointly defined by student and faculty. Number of credit hours contingent upon scope of work completed. May be taken for credit in Early Childhood, Elementary, or Secondary Education. Prerequisite: Consent of Department of Education.

EDU 430 Senior Practicum in Elementary Education **Three credit hours**

This provides senior-year candidates in Elementary Education with an opportunity to strengthen and continue the development of knowledge, skills, and dispositions to work effectively with elementary school children. Candidates spend two full days each week for the entire semester working in a K-6 classroom setting. Students are placed in the same classroom that will serve as their student teaching placement. This course is taught as part of a senior learning community block. Prerequisite: Admission to Teacher Education.

EDU 431 Senior Practicum in Secondary and Special Area (K-12) Education **Three credit hours**

This provides senior year students in Secondary Education or Special Areas (K-12) with an opportunity to strengthen and continue the development of knowledge, skills, and dispositions to work effectively with all secondary and special area school children. Students spend two full days each week for the entire semester working in a secondary education or special area classroom setting. Students are placed in the same classroom that will serve as their student teaching placement. This course is taught concurrently with EDU 435. Prerequisite: Admission to Teacher Education.

EDU 432 Teaching Science in the Elementary School **Three credit hours**

Emphasis on the principles, practices, and procedures of the teaching of science in the elementary school. This course is taught as part of a senior learning community block. Prerequisite: Admission to Teacher Education.

EDU 433 Teaching Elementary Social Studies **Three credit hours**

This course is designed to prepare students to teach social studies in the elementary school. The course focuses on social studies content, pedagogy, technology, diversity issues; standards based education, and field experiences. This course is taught as part of a senior learning community block. Prerequisite: Admission to Teacher Education.

EDU 434 The Elementary School Curriculum **Three credit hours**

A study of curriculum, instruction, and assessment in elementary schools. The course examines philosophies, theories, aims, goals, principles, and practices and includes classroom and behavior management. Taught as part of a senior learning community block. Prerequisite: Admission to Teacher Education.

EDU 435 The Secondary School Curriculum **Three credit hours**

A study of curriculum, instruction, and assessment in secondary schools. The course examines philosophies, theories, aims, goals, principles, and practices and includes classroom and behavior management procedures. Taught concurrently with EDU 431. Prerequisite: Admission to Teacher Education.

EDU 436 Reflection and Assessment **Three credit hours**

This is a capstone course for the professional education component for practicing teachers (lateral entry, private and charter school). Through reflection and assessment, candidates demonstrate the knowledge, skills and dispositions of all candidates matriculating through the Teacher Education Program. The course is designed for practicing teachers who are completing the professional education component.

EDU 437 Teaching Communication in the Elementary School II **Three credit hours**

The second of two courses designed to teach language/literacy in the elementary school. Emphasis is on the integration of reading, writing, listening, speaking, and viewing skills in the elementary language/literacy program. Students are required to work directly with children in a classroom setting. This course is taught as part of a senior learning community block. Prerequisite: Admission to Teacher Education.

EDU 438 Senior Investigative Paper in Elementary Education **Three credit hours**

This course is designed to help students write the first half of their Senior Investigative Paper. The student must select a topic in one of the core content areas of elementary education for investigation. The student must write the Paper under supervision of an advisor and one additional faculty member. The Paper is a requirement for graduation and must be completed before admission to student teaching. Prerequisite: Consent of Department of Education.

EDU 439 Content Area Reading **Three credit hours**

This course is designed for secondary school teachers in all content areas in order to promote middle and high school students' independence in content area reading and writing. It provides an understanding of the basic principles of reading as well as factors that influence learning from content texts and teaches specific instructional strategies which promote comprehension, vocabulary development, effective study, and test-taking skills. Attention is given to the principles of research-based reading instruction.

EDU 463 Teaching Internship I **Six credit hours**

This provides senior year candidates with an opportunity to strengthen and continue the development of knowledge, skills, and dispositions to work effectively with all children in their teaching area. Candidates spend three full days each week for the entire semester working in a classroom setting in their teaching area. Students are placed in the same classroom that will serve as their full-time teaching internship placement. This course is taught as part of a senior learning community block for elementary candidates and concurrently with a content methods course for secondary and special area candidates. A required bi-weekly seminar provides support for the teaching internship experience. Prerequisite: Admission to Teacher Education.

EDU 493 Teaching Internship II **Twelve credit hours**

Candidates continue in the same placement as in Teaching Internship I. Activities include directed observation, guided participation, and full-time classroom teaching. Candidates must successfully demonstrate North Carolina and National teacher standards. A required two-to-three hour weekly seminar provides support for the teaching internship experience. Prerequisite: Completion of all other degree requirements.

EDU 494 Special Topics in Education **Three credit hours**
Advanced study in education. May be repeated for up to six credit hours if topics are different. Prerequisite: Consent of Department.

ENGLISH LANGUAGE AND LITERATURE (ENG)

ENG 131 Composition **Three credit hours**
A study of composition with an emphasis on the writing process, the coherence and support of arguments, standard written English syntax and grammar, information literacy, and critical reading. The course culminates in a research paper based on critical reading and information literacy training with formal MLA documentation. Note: Students must receive a grade of C or higher to satisfactorily complete the course.

ENG 132 Introduction to Literature Appreciation **Three credit hours**
A basic course in literature appreciation with an emphasis on responding critically to features in literary texts through writing. The course culminates in a research paper based on critical reading that integrates a literary topic and information literacy training with formal MLA documentation. Prerequisite: ENG 131.

ENG 196 Introductory Topics in English **Three credit hours**
This course provides a freshman-level introduction to a particular topic in language or literature. The course may be repeated for credit in cases where students take courses in different topics. Prerequisite: a grade of C or better in ENG 131 or equivalent placement.

ENG 210 Internship Certification **One credit hour**
This course is designed to prepare English and Foreign Language majors for professional internships in related fields. The course addresses practical aspects of internship/job procurement and matriculation. Class workshops and lectures address the internship application process and on-the-job performance. Special topics include business attire, etiquette, interviewing skills, and diversity and sexual harassment/sensitivity training. This course also addresses basic professional writing skills, including cover letters, resume writing, and basic business writing. Students must receive a grade of C or better to advance to ENG 476.

ENG 232 Studies in World Literature **Three credit hours**
An introduction to literature, using poetry, fiction, and drama from around the world (Africa, Asia, Europe, South and North America). Prerequisite: ENG 131.

ENG 233 Business Writing **Three credit hours**
Techniques of writing and other organizational contexts, including

letters, reports, studies, and publicity materials. (Same as COM 240)

ENG 234 English Language, Literature, and Literary **Three credit hours**

An introduction to the English major that presents the historical development of English studies in America with attention to contemporary issues and possible future directions. The course includes an overview of the English language, approaches to the study of literature, and issues of literacy. Required for all English majors.

ENG 296 Topics in English **Three credit hours**

This course provides a sophomore-level examination of a particular topic in language or literature. The course may be repeated for credit in cases where students take courses in different topics. Prerequisite: a grade of C or better in ENG 131 or equivalent placement.

ENG 330 Chaucer **Three credit hours**

Detailed study of *The Canterbury Tales* and *Troilus and Criseyde.* Attention to Middle English and medieval culture. Study of changing critical approaches to Chaucer. Prerequisite: ENG 234 or consent of instructor.

ENG 331 Advanced Composition **Three credit hours**

Uses a variety of readings as a basis for essay writing with sophisticated rhetorical and organizational strategies. Emphasis is on elements of style, integration of source, varieties of argumentation, and length. Prerequisite: ENG 234.

ENG 333-334 British Literature **Three credit hours each**

A survey of British literature from Beowulf to selected works of the present time. Prerequisite: ENG 234 or consent of instructor. (*Offered Alternate Years*)

ENG 335-336 American Literature **Three credit hours each**

A survey of American literature from selected works of the Colonial Period to the present time. Prerequisite: ENG 234 or consent of instructor. (*Offered Alternate Years*)

ENG 337 Creative Writing **Three credit hours**

Study of theory and techniques of the short story, the essay, the novel, and poetry. Individual experimentation in the various genres May be repeated once for credit with permission of the instructor, but only three hours may be counted toward English major requirements. Prerequisite: Consent of instructor.

ENG 338 Literature and Media for Adolescents **Three credit hours**

A study of literature and media for adolescents. Open to students of intermediate and secondary education, as well as to in-service teachers.

ENG 339 Shakespeare **Three credit hours**
A study of at least twelve plays (eight in detail). Prerequisite: ENG 234 or consent of instructor.

ENG 390 Studies in Textuality: Advanced Reading **Three credit hours**
A cross-disciplinary study of culturally important works via the methods of textual inquiry. A work's ability to convey meaning is explored as both a feature of its content (plot, argument, or ideas) and of its textuality (how it behaves in relation to historical systems of discourse). Recommended for all students who wish to increase their proficiency as readers.

ENG 392 Screenplay Writing **Three credit hours**
A practical course in the writing of a production-standard screenplay. Attention to the principal techniques of formatting, structuring, and timing. The course also includes a comprehensive study of successful screenplays. (Same as VPT 323)

ENG 429 The Teaching of English **Three credit hours**
A study of philosophies, materials, and techniques used in teaching language, literature, and composition in grades 7-12.

ENG 430 Milton **Three credit hours**
Selected prose and all the English poems of Milton. Prerequisite: ENG 234 or consent of instructor.

ENG 431 English Literature of the Restoration and the Eighteenth Century **Three credit hours**
A study of English literature from the Restoration to 1798. Prerequisite: ENG 234 or consent of instructor.

ENG 432 The Bible as Literature **Three credit hours**
A nonsectarian literature course that aims to lead the student – as a lay reader – to an understanding and appreciation of the sacred writings of the Christian tradition as literature. It is a research-oriented course with a strong hermeneutical emphasis as opposed to a text-analysis emphasis. Prerequisite: ENG 234 or consent of instructor.

ENG 433 Modern Drama **Three credit hours**
Extensive reading and study in the works of representative European and American dramatists. Attention to purpose, theme, and techniques. (Same as VPT 323, formerly Drama 433.) Prerequisite: ENG 234 or consent of instructor.

ENG 435 Studies in Romantic Literature **Three credit hours**
A detailed study of the Romantic Movement, including the major English poets – Blake, Wordsworth, Coleridge, Byron, Shelley, and Keats – and a broad understanding of the significant prose of the period. Prerequisite: ENG 234 or consent of instructor.

ENG 436 Studies in Victorian Literature **Three credit hours**
A study of the major post-Romantic poets. Varying choice of subject matter from year to year. Prerequisite: ENG 234 or consent of instructor.

ENG 437 Contemporary Literature **Three credit hours**
Study of outstanding figures of American literature from 1945 to the present. Choice of authors and subjects vary from year to year. Prerequisite: ENG 234 or consent of instructor.

ENG 439 Principles of Literary Criticism **Three credit hours**
Review of the history of Western criticism, study of developments in literary theory, and guided experiences with practical criticism. Prerequisite: ENG 234 or consent of instructor.

ENG 440 The British Novel **Three credit hours**
A historical and critical survey of British fiction from the eighteenth century to the present. Varying choice of subject matter from year to year. Prerequisite: ENG 234 or consent of instructor.

ENG 441 The American Novel **Three credit hours**
A historical and critical survey of American fiction from the nineteenth century to the present. Varying choice of subject matter from year to year. Prerequisite: ENG 234 or consent of instructor.

ENG 476, 477, 478 Internship **One to Three credit hours**
Supervised work in a professional environment, offering practical experience in a relevant field. Forty hours of work time are required for each hour of credit; a maximum of 120 hours of work is required. Students must also write a paper on the experience. Prerequisite: consent of instructor.

ENG 490 Senior Seminar **Three credit hours**
This is a research seminar where students write their Senior Investigative Papers. It is required of all English majors. Students must earn a grade of C or above in order to satisfy one of the Departmental graduation requirements. Prerequisite: ENG 234 or consent of instructor.

ENG 491 The English Language **Three credit hours**
A study of the principles of language study, with special attention to the historical and linguistic forces that have affected the development of the English language. Prerequisite: ENG 234 or consent of instructor.

ENG 493 Modern English Grammar **Three credit hours**
Rapid review of traditional grammar and current usage problems, followed by descriptive analysis of the structure of present-day English in the light of recent research in linguistics. Prerequisite: ENG 234 or consent of instructor.

ENG 494-495 African-American Literature Three credit hours each
A survey of African-American literature from its beginnings to the present, with the first half of the survey covering works up to the Harlem Renaissance and the second from the Harlem Renaissance to the present. Prerequisite: ENG 234 or consent of instructor.

ENG 496-497-498 Special Topics in English One to six credit hours
Detailed investigation of a special topic in language or literature. Prerequisite: ENG 234 or consent of instructor.

ENG 499 Independent Study One to six credit hours
A planned and structured project cooperatively defined by student and faculty. Student is permitted to contract to complete work in the areas of language, writing, or literature. Students earn one, two, or three credit hours according to the scope of work completed. May be taken again for three additional hours of credit. Open to majors and to English Education majors. Prerequisite: ENG 234 or consent of instructor.

FRENCH LANGUAGE AND LITERATURE (FRE)

FRE 131 Elementary French I Three credit hours
An introductory course in the fundamental communicative skills of listening, speaking, reading, and writing. An interactive classroom approach emphasizing the application of language to concrete situations using essential vocabulary and structures as well as an appreciation of French/Francophone culture.

FRE 132 Elementary French II Three credit hours
A continuation of French 131 in an ever-increasing interactive classroom environment with emphasis on expansion of vocabulary and grammatical concepts as well as exposure to the concrete reality of culturally diverse attitudes and behaviors. Prerequisite: FRE 131 or placement by examination.

FRE 231 Intermediate French I Three credit hours
Emphasis on communicative and writing skills. Short basic readings, conversation, grammar, and aspects of culture. Prerequisite: FRE 132 or 133 or equivalent.

FRE 232 Intermediate French II Three credit hours
A continuation of French 231 with more reading, conversation, and composition. Strong emphasis on developing facility in oral and written expression. Prerequisite: FRE 231 or equivalent.

FRE 235 Internship in French Three credit hours
One semester of full-time real-life experience in the field where French majors apply their academic knowledge and skills to the workplace.

Prerequisite: FRE 232 or permission of instructor and subject to Departmental approval. (*Work experience unrelated to the French major is considered a part-time job.*)

FRE 236 French for Business and Technology **Three credit hours**
Acquisition and use of financial, legal, commercial, telecommunication, and modern technological terminology in French. Written and oral exercises include establishing a resumé, writing a business letter, conducting an interview, and making a business presentation in French. Prerequisite: FRE 232 or permission of instructor.

FRE 237 France and the Francophone World **Three credit hours**
Introduction to contemporary French social and political institutions, attitudes, and values with an emphasis on current events. Taught in English. Prerequisite: Any introductory French course or permission of instructor.

FRE 238 French/Francophone Film **Three credit hours**
Introduction to the French/Francophone cinematic tradition. Directors studied include Cocteau, Godard, Truffaut, Sembene, Tlili, and Kassovitz. Taught in English.

FRE 331 Survey of French Literature I **Three credit hours**
Introduction to significant authors and trends in French literature from the Middle Ages through the eighteenth century. Conducted in French. Prerequisite: FRE 232 or permission of instructor.

FRE 332 Survey of French Literature II **Three credit hours**
Introduction to significant authors and trends in French literature of the nineteenth and twentieth centuries as well as Francophone literature. Conducted in French. Prerequisite: FRE 232 or permission of instructor.

FRE 333 Advanced French Conversation, Grammar, and Composition **Three credit hours**
Review of French grammar and guided conversation based on prepared topics. Progressive development of writing skills in French. Emphasis is on different types of writing (memoire, explication de texte, exposé) based on literary selections. Conducted in French. Prerequisite: FRE 232 of permission of instructor.

FRE 334 Applied French Phonetics **Three credit hours**
Formal study of the rules of French pronunciation and their application to modern standard French. Extensive practice in reading and speaking with proper rhythm and intonation. Prerequisite: FRE 232 or permission of instructor.

FRE 335 Cooperative Education in French **Three credit hours**
Two to three semesters of full-time, real-life experience in the field

where French majors apply their academic knowledge and skills to the workplace. Prerequisite: FRE 232 or permission of instructor and subject to Departmental approval. Participation in the co-op program (two-to-three semesters of full-time work related to the French major) must be approved by the Director of Cooperative Education prior to advance registration. Under the Cooperative Education Program, a one-semester assignment is considered an internship. Work experience unrelated to the French major is considered a part-time job.

FRE 336 Gender and Relationships in French/Francophone Literature **Three credit hours**

Readings and discussions on novels and short stories of the twentieth century portraying relationships between the sexes from both male and female points of view and how they have evolved over the years. Typical authors include Sembene, Bebey, Beti, Ojono, Bâ, Beyala, Ngosso Kouo, Rawiri, Traoré, Abibatiou,Yaou, Zanga Tsongo, Condé, Schwart-Bart,Wagna-Vieyra, and Chauvret. Prerequisite: Any 300-level French course or permission of instructor.

FRE 337 Techniques in Translation of French **Three credit hours**

Practice in oral and written two-way translation using various types of documents and discourses. Focus on a series of problems in translation linked to specific linguistic functions such as description, narration, advertisement, and report. Students are required to reflect critically on the way in which two languages work as they translate a variety of literary and non-literary texts. Prerequisite: FRE 232 or permission of instructor.

FRE 390 Junior Seminar **Three credit hours**

Further development of oral and written expression in French. Introduction to research approaches and techniques in French as well as presentation of major schools of literary criticism and textual analysis through applied readings. Generation of a formal research prospectus through the development of a research problem, search of the literature, and production of an annotated bibliography. Prerequisite: FRE 331 or 332 or permission of instructor.

FRE 395/495 Field Study in a French-speaking Country **Three credit hours**

Firsthand study of the French language, literature, and/or civilization abroad. Prerequisite: Any introductory French course or permission of coordinator. Credit hours of academic program abroad subject to Departmental approval and proper filing in the Registrar's Office prior to departure.

FRE 430 French Civilization **Three credit hours**

Introduction to the history, art, and social institutions from the beginnings through the twentieth century as primary forces in the development of French culture. Special attention to contemporary

France. Conducted in French. Prerequisite: FRE 331 or permission of instructor.

FRE 431 French Literature of the Middle Ages **Three credit hours**
Study of major literary works, with an emphasis on the development of the French language and literary style. Authors studied include Villon, Christine de Pisan, and Chrétien de Troyes. Conducted in French. Prerequisite: FRE 331 or permission of instructor.

FRE 432 French Literature of the Renaissance **Three credit hours**
Study of major literary styles and works of the era. Authors studied include Montaigne, DuBellay, Ronsard, and Rabelais. Conducted in French. Prerequisite: FRE 331 or permission of instructor.

FRE 433 French Literature of the Seventeenth Century **Three credit hours**
Study of major literary works, with an emphasis on the importance of Classicism. Authors studied include Corneille, Descartes, La Fontaine, Molière, Pascal, and Racine. Conducted in French. Prerequisite: FRE 331 or permission of instructor.

FRE 434 French Literature of the Eighteenth Century **Three credit hours**
Study of major literary works, tracing the movement from Classicism to the Enlightenment. Authors studied include Montesquieu, Voltaire, Diderot, and Rousseau. Conducted in French. Prerequisite: FRE 331 or permission of instructor.

FRE 435 French Literature of the Nineteenth Century **Three credit hours**
Study of major literary works, tracing the development of Romanticism, Realism, and Naturalism. Authors studied include Lamartine, Chateaubriand, Hugo, Stendhal, Balzac, Flaubert, Zola, and Baudelaire. Conducted in French. Prerequisite: FRE 331 or permission of instructor.

FRE 436 French Literature of the Twentieth Century **Three credit hours**
Study of major literary works, and their relationship to other disciplines. Authors studied include Gide, Proust, Breton, Saint-Exupéry, Ionesco, Camus, Sartre, and Duras. Conducted in French. Prerequisite: FRE 331 or permission of instructor.

FRE 437 Francophone Literatures of Africa and the Caribbean **Three credit hours**
Study of major literary works and movements from each area, with focus on negritude and the question of cultural identity. Authors studied include Senghor, Césaire, Sembene, Bâ, Oyono, and Labou Tansi. Conducted in French. Prerequisite: FRE 331 or permission of instructor.

FRE 438 Francophone Literature of the Maghreb **Three credit hours**

Study of major literary works from North Africa focusing on the question of cultural identity. Authors studied include Kateb, Khatibi, Ben Jelloun, Djebar, Memmi, and Chraibi. Conducted in French. Prerequisite: FRE 331 or permission of instructor.

FRE 439 Francophone Civilization **Three credit hours**

Introduction to the expanse of Francophone culture beyond Europe. Emphasis is on the development of France's colonial empire, la mission civilisatrice, and post-colonial relations among Francophone nations. Conducted in French. Prerequisite: FRE 331 or permission of instructor.

FRE 490 Senior Seminar **Three credit hours**

Collaborative research seminar supplemented by individual sessions with faculty in which all French and French Education majors write and defend their Senior Investigative Paper. To be taken during the Fall semester of the senior year. Conducted in French. Prerequisite: FRE 331 and 390 or permission of instructor. Students with an incomplete in French 390 cannot register for this course.

FRE 496-497-498 Special Topics in French **Three credit hours**

Focus on issues related to France and the Francophone World which include themes such as colonial and post-colonial alienation, the struggle for civil rights, race, gender, revolt, the struggle for cultural and political identity, and literary phenomena of significance. May be repeated for credit. Normally taught on a one-time basis; not intended to form a permanent part of the French core. *Issues studied may generate topics for the Senior Investigative Research Paper.* Prerequisite: Any 300-level French course or above or permission of instructor.

FRE 499 Independent Study **One to Three credit hours**

A planned and structured project cooperatively defined by student and faculty. The student is permitted to complete work in the areas of French language, literature, and/or culture. Students may earn one, two, or three credit hours, based on the scope of work. Multiple enrollments under different projects for a maximum of six credit hours. Open to French and French Education majors. Prerequisite: Any 300-level French course or above or permission of instructor.

GEOGRAPHY (GEO)

GEO 131 Introduction to Geography **Three credit hours**

An introduction to essential themes and elements of physical, cultural, economic, political, and social geography. Interpreting thematic maps and other graphic representations.

HEALTH EDUCATION (HED)

HED 131 Personal Health **Three credit hours**

A lecture course discussing topics such as preventive health care, nutrition, coping in today's society, decision-making, diseases, drugs, love and the human life cycle. This course satisfies the General Education requirement for majors and non-majors.

HED 230 Introduction to Health Education **Three credit hours**

An introductory course preparing students for the discipline of Health Education. The course familiarizes students with the history, theoretical foundations, and the roles and responsibilities in the field. Students are exposed to career options by completing a minimum of ten hours of observation at an outside agency or organization that addresses one of work settings in Health Education.

HED 231 Health and Nutrition **Three credit hours**

This course deals with nutritional needs of the human body and the implications for healthful living.

HED 232 Human Sexuality and Family Living **Three credit hours**

This course deals with concepts concerning sexuality and implications for self, school, and society.

HED 233 Community Health **Three credit hours**

A study of the basics of community health examining public health throughout the lifespan, the healthcare system structure, and environmental health concerns. Examination of the roles of government and of service, social, and religious organizations in community health.

HED 234 Healthful Living **Three credit hours**

This course provides students with knowledge and techniques of health as it affects personal, professional, and family living. Health careers are also explored. Students are required to become certified in first aid and CPR.

HED 235 Drugs and Drug Education **Three credit hours**

This course examines the use and the abuse of alcohol, tobacco, and other drugs and the implications for the individual, family, community, and society. Drug education techniques are also a part of this course. This course features a service learning component.

HED 310, 320, & 330 Independent Study **One - Three credit hours**

A course designed to provide intensive work in an area of special interest or a required topic in health education. This course is available

to qualified students upon recommendations from their academic advisor and the instructor related to the topic.

HED 332 Health Education and Physical Activity in the Elementary Schools **Three credit hours**

This course is designed to assist students in developing knowledge and skills in planning curricula, defining instructional objectives, and writing lesson plans to enhance their effectiveness in teaching health education and physical activity content at the elementary school level. (Formerly HED 322)

HED 333 School Health Problems **Three credit hours**

This course is designed to provide the student with a working knowledge of the Coordinated School Health Program and the major health issues affecting today's students. Techniques for identifying problem areas, designing and implementing change strategies, and evaluating the results are also a part of this course.

HED 334 Program Planning and Evaluation **Three credit hours**

This course explores the process of planning, implementing, and evaluating health programs in the community. Total program development is emphasized with attention given to designing community health programs, overcoming community resistance, selecting appropriate educational methods and conducting evaluation activities.

HED 335 Minority Health Problems and Issues **Three credit hours**

This course is designed to introduce and discuss the health status of minority populations with particular emphasis on health disparities and prevention strategies. The impact of culture, race/ethnicity, social influence, behavior, genetics, and policy on disease will be explored.

HED 336 Death and Dying **Three credit hours**

This course examines the cultural perception, trends, and economic and emotional factors associated with death and dying.

HED 337 Environmental Health **Three credit hours**

This course examines the physical, chemical, and biological factors external to a person and all the related factors impacting behaviors. It encompasses the assessment and control of those environmental factors that can potentially affect health as they relate to preventing disease and creating health-supportive social and cultural environments.

HED 338 Junior Seminar: Health Research I **Three credit hours**

The first of two formal courses that facilitate the writing of the Senior Investigative Paper. The student completes a proposal for the Paper as an outcome of this course. To accomplish this outcome, students learn

research methods and strategies necessary to complete an acceptable proposal.

HED 430 Senior Seminar: Health Research II **Three credit hours**
This is the second of two formal courses that facilitate the writing of the Senior Investigative Paper. The purpose of this course is to expose students to significant issues, methodology, and research in the field of health education, and to investigate an area of major interest for the Paper. Students complete their SIP as an outcome of this course. (Formerly PED 430)

HED 433 Internship **Three credit hours**
A supervised internship in a professional work environment that provides the student with exposure to the job market in sport-related businesses and public health agencies. Each student is responsible for 120 hours of work and is required to present detailed descriptions of work activities and experiences.

HED 434 Methods and Materials in Teaching Health Education **Three credit hours**
This course is designed to provide the student with the opportunity to develop knowledge and competencies in the use of effective methods of teaching health education and the effective use of resources. Best practices as they relate to the National Health Education Standards, the North Carolina Standard Course of Study, and educational technology are also a part of this course. Prerequisite: HED 333. EDU 312 must be taken concurrently.

HED 435 Epidemiology **Three credit hours**
This course introduces students to principles and concepts in epidemiology through lectures, discussion groups, assigned readings, and exercises. Students are given the opportunity to acquire an understanding of principles and concepts, the vocabulary of epidemiology, methods of epidemiological investigation, and the interpretation and evaluation of reports of epidemiological research.

HED 436 Health Administration **Three credit hours**
Introductory course to health administration. Background of health care, health policy, the healthcare delivery system, health care access, health finance, the pharmaceutical industry, and ethics are explored.

HED 437 Applications in Health Communications **Three credit hours**
A course designed to introduce the student to the many facets of health communication. Understanding of theoretical frameworks in health, health literacy, and levels of communication are explored. Practical experience in design and production of health educational materials utilizing health communication channels is required

HED 438 Social and Behavioral Aspects of Global Health **Three credit hours**

This course covers the behavioral, social, and cultural aspects of health and disease. Students learn how behavioral and social theories are relevant to health promotion and disease prevention efforts and in behavior-based safety efforts. They also learn how factors protect or erode health at multiples levels (including individual, community, societal, and global levels) and how interventions are developed to improve health by addressing critical factors at each of these levels. The course also addresses the roles of culture, race, and ethnicity in the conceptualization of health and illness.

HED 490 Special Topics in Health **Three credit hours**

An occasional or experimental course focusing on a specific topic designed to provide advanced study in an area of special interest in health education. This course is an elective and is available to qualified students upon recommendations from the academic advisor and the instructor. This course may be repeated for additional credit.

HISTORY (HIS)

HIS 131 World Civilizations to 1500 **Three credit hours**

This course is a study of early human history and the world's major civilizations to 1500, including the strengths and weaknesses of those societies, parallel developments, and cultural interaction.

HIS 132 World Civilizations from 1500 to the Present **Three credit hours**

This course is a continuation of HIS 131. The major trend during this period is the emergence of the modern world through global interaction.

HIS 135 History of the United States to 1865 **Three credit hours**

A study of the United States from European colonization to 1865.

HIS 136 History of the United States Since 1865 **Three credit hours**

A study of the United States from the conclusion of the Civil War to the present.

HIS 200 Historical Methodology **Three credit hours**

This course serves as an introduction to the historical method, including a consideration of the various approaches to historical study and historiography. The course will seek to ask why and how historians have studied the past, what tools historians employ to study the past, as well as what are the many processes of historical inquiry. Students will learn how to conduct historical research in a library, in an archive, and online and to be able to develop a research methodology appropriate to a particular historical topic or theme. Required for all History majors.

HIS 210 Internship Certification **One credit hour**
Introduction to the internship requirements. Prepares students to properly handle business activities and situations. Topics to be specifically covered are as follows: business attire/etiquette, business/resume writing, interviewing, confidentiality and diversity/sexual harassment training. A grade of C or better is required. This course is a prerequisite for HIS 438 and HIS 439. Course will be cross-listed with CAL 210.

HIS 231 North Carolina History **Three credit hours***
A study of the history of North Carolina from the Colonial period to the present, with emphasis on economic, educational, and political developments. Elective for History major; required for those desiring to be certified in Elementary Education.

HIS 237 Introduction to Africa **Three credit hours**
Social life, peoples, geography, economy, politics, religion, and arts of pre-modern Africa. Survey of African history and problems facing modern Africa.

HIS 238 Modern Latin America **Three credit hours**
This course examines the development of modern Latin American civilization from its pre-Columbian origins to the present.

HIS 239 Plantation Societies in the Americas **Three credit hours**
This course examines the central role played by plantation agriculture in the history of the Americas from the sixteenth century to the end of the nineteenth century. How and why this single institution of production led to the formation of a single complex of economic, social, political, and cultural patterns in Brazil, Spanish South America, the Caribbean, and North America are the basic questions this course attempts to resolve.

HIS 330 American Colonial Civilization **Three credit hours**
The study of an underdeveloped area and the economic, political, and religious life of the different colonies; the contributions of the various immigrants. Prerequisites: HIS 135 or permission of the instructor.

HIS 331 Public History **Three credit hours**
This course is designed to familiarize students with and train them in the discipline of public history through an exploration of historic preservation, museum studies, archives, and archival management, genealogy, and oral history. Prerequisites: HIS 135 and HIS 136.

HIS 333 Diplomatic History of the United States **Three credit hours**
A study of the foreign policy of the United States government. Emphasis is on wars, crises, territorial expansion, peculiarities of the American position in world politics, and the formation of basic policy decisions. Prerequisites: HIS 135 and HIS 136.

HIS 334 The American Revolution and the Federal Period: 1776-1820 **Three credit hours**

A history of the United States during the formative years of the early republic from the War of Independence to the so-called Era of Good Feeling. Considerable attention devoted to the creative personalities of the period. Prerequisites: HIS 135 and 136.

HIS 336 Emergence of Modern America: 1865-1914 **Three credit hours**

A study of the revolutionary changes in American life from the end of the Civil War to the close of the nineteenth century, the failure of Reconstruction, the origins of racial segregation, and America's emergence as an industrial giant. Prerequisites: HIS 136 or permission of instructor.

HIS 337 West Africa **Three credit hours**

An examination of selected topics in West African history, including the Sudanic empires, the slave trade, the development of coastal states, European conquest, types of colonial rule, the struggle for independence, and challenges of development.

HIS 338 Topics in African-American History I **Three credit hours**

This course will cover selected topics in African-American history from the colonial period to the end of Reconstruction. Course topics will vary from semester to semester. This course may be taken twice for credit, provided the topics vary. Required for History majors.

HIS 339 Topics in African-American History II **Three credit hours**

This course will cover selected topics in African-American history from the end of Reconstruction to the present. Course topics will vary from semester to semester. This course may be taken twice for credit, provided the topics vary. Required for History majors.

HIS 392 Women's History **Three credit hours**

This course explores the social, economic, and political movements of American women over four centuries. African-American, Native American, and European-American women arestudied. Prerequisites: HIS 135 and HIS 136 or permission of instructor.

HIS 393 History of the United States in the Twentieth Century **Three credit hours**

This course examines economic, social, political, and cultural changes that have occurred in the United States since 1914.

HIS 394 Early Modern Europe: 1350-1789 **Three credit hours**

A study of radical social change in Europe from the late Middle Ages to the eve of the French Revolution. Includes the Renaissance and Reformation, political absolutism, and the Enlightenment. Prerequisite: HIS 131 and 132.

HIS 430 Nineteenth Century Europe: 1789-1914 **Three credit hours**

A study of Europe from the French Revolution to the outbreak of World War I. Includes the rise of romantic nationalism, liberal democracy, industrialism, and imperialism. Prerequisites: HIS 132 or permission of instructor.

HIS 431 Twentieth Century Europe **Three credit hours**

A study of World War I and its consequences; economic, social, and cultural change between the wars; the rise of totalitarian dictatorships and World War II; post-war reconstruction; the Cold War; and the current situation in Europe. Prerequisite: HIS 132.

HIS 432 Southern Africa **Three credit hours**

An examination of selected topics in Central and Southern Africa, including migrations, pre-European culture, European expansion, concessionaire company and settler domination, racism, African liberation movements, and the status of present conflicts.

HIS 433 The Old South **Three credit hours**

Political, economic, social, and cultural forces in the evolution of the period 1820-1860. Prerequisite: HIS 135 or permission of the instructor.

HIS 434 The New South **Three credit hours**

Southern history from the end of Reconstruction to the present. A consideration of contemporary regional problems. A study of the South both in relationship and contrast to national development. Prerequisite: HIS 136 or permission of the instructor.

HIS 435 Northern Africa **Three credit hours**

An examination of selected topics in the history of North, Northeast, and East Africa, including the beginnings of the human race, ancient civilizations of Egypt and Kush, trading civilizations of the Mediterranean and the Indian Ocean, Christian and Islamic influences, migrations, Ethiopian feudalism, European colonialism, and modern national revolutionary movements.

HIS 436-437 Topics in History **Three credit hours each**

Various special topics that permit advanced work in different fields of historical study.

HIS 438 Internship in Public History **Three credit hours**

A supervised internship in the area of public history designed to give students practical experience in the discipline and to make professional contacts in local public history sites, such as museums and archives. Students are responsible for a minimum of 120 hours of work and must complete a paper on their work activities and experience. Prerequisite: HIS 210 and HIS 331.

HIS 439 Internship **Three credit hours**

A supervised internship in a professional work environment designed to give students practical experience as well as knowledge and skills in a relevant professional field. Students are responsible for a minimum of 120 hours of work and must complete a paper on their work activities and experience. Prerequisite: Permission of instructor.

HIS 490 Senior Investigative Paper I **Three credit hours**

This course is required of all history majors and is designed to begin major work on the Senior Investigative Paper. This course provides detailed instruction and supervision on beginning the research and writing process, including the preparation of the student's topic, the drafting of a prospectus, the finding and acquisition of resources, the creation of a formal bibliography, and intensive primary source research. Assignments will include writing exercises, discussions and workshops to improve the paper style, and a formal presentation of the prospectus by the student, including a question and answer session from students and other history faculty, at the end of the semester. This is required of all history majors. This course will be offered each fall. Prerequisite HIS 491.

HIS 491 Senior Investigative Paper II **Three credit hours**

This course is the second of the two-course SIP sequence. This course involves continued research and writing of a research paper of at least 25 pages in length. The SIP will be in appropriate article style and quality, will be based upon primary sources, and will demonstrate effective critical thinking and writing. The final product for this course will be a polished final draft of the SIP and a formal presentation of the paper before students and faculty in the format of a traditional conference presentation with a time-limit and questions from the panel moderator and audience. This course is required of all history majors. This course will be offered each spring. Prerequisite: HIS 490.

INTERDISCIPLINARY STUDIES (IDS)

IDS 231 Introduction to Interdisciplinary Studies **Three credit hours**

IDS 231 gives Interdisciplinary Studies students a structured opportunity to frame and plan a deliberate and thoughtful interdisciplinary program of study. Topics covered include: What does it mean to be an educated person? What are the dominant philosophical models of education, and what are their limits and strengths? How is interdisciplinarity changing the shape of higher education and of knowledge in general? How do the two Interdisciplinary Studies options differ from one another, and what kinds of interdisciplinary paths are possible at JCSU? Students create a non-binding Interdisciplinary Studies contract related to their

own personal goals and interests and a multimedia presentation with an accompanying paper that outlines their own educational philosophies and plans for interdisciplinary study. Required of all IDS majors.

IDS 300 Interdisciplinary Studies Practicum **Three credit hours**
This course gives students the opportunity to explore connections across fields related to a theme or topic of their choice. The possibilities are many, as students work with a faculty advisor to propose and execute a project related to their degree. The practicum may entail (but is not limited to): the planning of a conference, either at the University or in their community; the execution of an activist event such as a rally; the publication of a collection of essays; the launch of a web site; the production of a documentary; the writing of a business plan; or the application of a grant. May be repeated for credit.

IDS 331 Junior Seminar (Research Methods) **Three credit hours**
Students are introduced to models of interdisciplinary research. They develop a research problem, search the literature, and produce an annotated bibliography, culminating in a formal research prospectus. Successful fulfillment of this course requires that the instructor certify (by signature) that the research prospectus meets established guidelines relating to the integrative nature of the program. Required of all junior level Interdisciplinary Studies majors.

IDS 396 Introduction to Global Studies **Three credit hours**
The purpose of the course is to promote an understanding of global awareness and the interconnectedness of the global human population as well as its dynamic interactions with the natural world. This requires an appreciation of the interconnectedness of global and local events, processes, and structures. Toward this end, students examine a range and diversity of global topics. Global Studies is an interdisciplinary inquiry into the developments that have and will continue to shape the interconnectedness of people and places around the world. It employs critical analyses of the processes that have contributed to both the complexity and variety of our world societies and to the common features of the changing human and natural environments. It begins with basic questions: How do people's struggles to survive connect them across time and space? What common features are there in the dynamics of conflict for people in different regions with similar experiences? How do apparently local issues or developments in one region of the world have profound impacts on people across the globe? Global Studies is much more than just the tracking and description of the elements of globalization, a process that has been going on since human communities first began migrating beyond the confines of their geographic origins. It is about the ways we both see and affect each other, and how people, states, societies, and the global community struggle to reconcile common individual and local interests with broader worldwide interests. Global Studies is, therefore, the study of us, and the world we share from a variety of perspectives.

IDS 431 Senior Capstone I **Three credit hours**

In the senior year, IDS majors are required to undertake a Senior Project combining at least two fields of study. The proposal must meet with the approval of the Interdisciplinary Studies Advisory Board and be supervised by at least two JCSU professors. The research requires extensive readings. At each weekly meeting, the student is given an assignment based on the course research. At the end of the semester, the extensive and approved proposal for the final research paper and presentation, along with the appropriate bibliography, is submitted and graded. Required of IDS majors.

IDS 432 Senior Capstone II **Three credit hours**

The second semester of this project requires the student to meet with the appropriate professor(s) on a weekly basis during which the process of creating the final project is documented. A final research paper that undergoes numerous revisions during the course of the semester fulfills a required writing component. In addition to the substantial research paper, a presentation of the research is given in a suitable format that is discussed and refined during the course of the semester. The student's final project must be presented to the IDS Advisory Board during a presentation which is open to the public. The supervising professor(s), in consultation with the Advisory Board, issues the final grade. Prerequisite: a grade of C or better in IDS 431. Required of IDS majors.

IDS 496-497-498 Special Topics **(Hours may vary dependent upon nature of course)**

Detailed investigation of special topics determined by the instructor, that permits advanced work of an interdisciplinary nature. May be repeated for credit.

IDS 499 Independent Study: Internship **(Hours vary and are determined on a case-by-case basis)**

A planned and structured project cooperatively determined by student and instructor. Student permitted to contract work in focuses of special interest. One to six hours of credit may be earned, according to the scope of the project. Students must work 40 hours for each credit hour earned for internship placements. May be repeated for credit for a different project.

LATIN (LAT)

(The Elementary and Intermediate Latin sequence is offered on a bi-annual schedule)

LAT 131 Elementary Latin I **Three credit hours**

This course provides an introduction to the fundamentals of reading classical Latin. It emphasizes vocabulary, syntax, and Roman culture, which are studied by working with authentic and adapted materials.

LAT 132 Elementary Latin II **Three credit hours**
This course continues Latin 131 and the introduction to the fundamentals of reading classical Latin. It emphasizes vocabulary, syntax, and Roman culture, which are studied by working with authentic and adapted materials. Prerequisite: LAT 131 or placement by examination.

LAT 131/132 Elementary Latin I and II **Six credit hours**
This intensive course covers Elementary Latin I and Elementary Latin II in one semester. It provides an introduction to the fundamentals of reading classical Latin by emphasizing vocabulary, syntax, and Roman culture, which are studied by working with authentic and adapted materials.

LAT 231 Intermediate Latin I **Three credit hours**
This course continues to build proficiency in reading classical Latin. While additional vocabulary continues to be acquired, this course shifts its emphasis toward achieving a good grasp of Latin syntax. The study of Roman culture continues and relies on working with more authentic texts and fewer adapted ones. Prerequisite: LAT 131 and LAT 132, LAT 131/132, or placement by examination.

LAT 232 Intermediate Latin II **Three credit hours**
This course continues to build proficiency in reading classical Latin. In addition to working with vocabulary, this course stresses more complex features of Latin syntax. The study of Roman culture continues and relies mostly on authentic texts representing various genres. Prerequisite: LAT 131, LAT 132, LAT 131/132, LAT 231, or placement by examination.

LAT 231/232 Intermediate Latin I and II **Six credit hours**
This intensive course covers Intermediate Latin I and Intermediate Latin II in one semester. It continues to build proficiency in reading classical Latin by emphasizing vocabulary and more complex features of Latin syntax. More authentic texts representing various genres will be used to study Roman culture.

LAW (LAW)

LAW 230 Introduction to Legal Studies **Three credit hours**
Basic information about the legal system, its history and current structure; introduction to legal research, reading and writing. *(Fall Semester Only)*.

LAW 394 LSAT Preparation **Three credit hours**
The course is designed to assist students in developing critical reading, logical reasoning, and test-taking skills, plus prepares students to take the LSAT. *(Fall Semester Only)*.

LIBERAL STUDIES (LS)

LS 130 Identity: Citizen and Self – African-American and Other Cultural Traditions **Three credit hours**

The aim of this interdisciplinary Freshman Studies course is to enable students to examine the process of human identity formation in Western and non-Western contexts. The course aims to enable students to examine themselves as individuals and as citizens – their beliefs, values, morals, customs, fears, strengths, talents, ethnicity, ways of coping and challenging, attitudes toward learning, and interaction with others. Students conduct inquiry into the systems and factors of this process beginning with those which may have formed their individual identities: familial, religious, political, and socio-cultural. Inquiry is based on readings from a wide variety of cross-disciplinary materials, brainstorming through questioning, and analyzing arguments across the disciplines.

LS 135 Science, Technology, Ethics **Three credit hour**

An introduction to the basic principles of biological and physical science and its impact on human life. Current issues in science and technology pertaining to the environment and human health are discussed.

LS 235 Studies in Society **Three credit hours**

This interdisciplinary course introduces the modern practices and applications of social, economic, and political theory. These practices and applications build competence in understanding and using institutions that affect social and economic events. Emphasis is placed on processes and events that affect different cultural groups and societies.

LS 237 Studies in World Cultures **Three credit hours**

This multidisciplinary sophomore level course, through the methodology of history, introduces students to the religion, art, social organization, economics, politics, literature, and philosophy of various cultures. Contributions of Western and non-Western cultures will be examined. There is, however, a strong emphasis on non-Western cultures.

LS 238 World Civilizations I **Three credit hours**

This multidisciplinary course, through the methodology of history, enables students to analyze the social organization, economics, politics, science and technology, literature, art, religion and philosophy of various cultures and civilizations up to 1500. Patterns of interaction between civilizations and the relevance of the past for the present are also considered. Contributions of Western and non-Western cultures and civilizations are examined.

LS 239 World Civilizations II **Three credit hours**

This multidisciplinary course, through the methodology of history, enables students to analyze the social organization, economics, politics,

science and technology, literature, art, religion and philosophy of various civilizations from 1500 to the present. Patterns of interaction between civilizations and the relevance of the past for the present are also considered. Contributions of Western and non-Western civilizations are examined.

MANAGEMENT (MGT)

MGT 333 Principles of Management and Organizational Behavior **Three credit hours**
A study of the management process emphasizing an understanding of the functions of management. Extensive coverage is given to studying the impact of human behavior in managerial effectiveness including individual and group dynamics, motivation, leadership, teamwork, and interpersonal communication. Prerequisite: MTH 131-137.

MGT 334 Human Resource Management **Three credit hours**
A study of human resources management theories, systems, concepts, and strategies including employment and retrenchment procedures, training and development, and remuneration. Prerequisite: MGT 333.

MGT 335 Leadership and Organizational Change **Three credit hours**
This course focuses on the influence of leadership, motivation, group dynamics, communications, and change on effective and efficient utilization and development of human resources emphasizing the role of a leader as a change agent. Prerequisite: MGT 333.

MGT 336 Business Communication **Three credit hours**
This course focuses on the nature and problems associated with individual, interpersonal, and organizational communication in business. A variety of verbal techniques is used, such as presentations, graphics, public speaking, and writing, to foster effective organizational and individual performances. Prerequisite: MGT 333.

MGT 339 Small Business Management **Three credit hours**
Stresses the importance of small business management, methods, sources, and procedures. Prerequisites: MTH 131-137.

MGT 432 Production Control **Three credit hours**
Development of abilities to analyze and solve production problems and to formulate production policies. Introduction to quantitative techniques in production management. Prerequisite: MGT 333.

MGT 436 Organizational Behavior and Design **Three credit hours**
An analysis of individual and group behavior and organizational structure from the perspective of goal-oriented managers. Prerequisite: MGT 333.

MGT 437 Special Topics in Management **Three credit hours**
Permits groups of students and professor to explore areas not extensively covered in other courses. Prerequisite: MGT 333 or consent of instructor. This course may be repeated for additional credit.

MGT 438 International Business **Three credit hours**
This course examines the unique problems faced by firms that engage in international operations. It is expected to provide students with a description and analysis of the mechanics of doing business abroad.

MGT 440 Total Quality Management **Three credit hours**
This course is a study of a cooperative form of doing business that relies on the talent and capabilities of both labor and management to continually improve customer satisfaction, quality, and productivity using teams. The course focuses on the practice of participative management through the use of an integrated system of tools, techniques, and training measures. Prerequisite: MGT 333.

MARKETING (MKT)

MKT 331 Principles of Marketing **Three credit hours**
A course designed to show the characteristics, history, and functions related to marketing. Emphasis is on product definition, promotion, distribution, and pricing. MTH 131-132.

MKT 332 Advertising **Three credit hours**
A course intended to provide an understanding of advertising, its functions in our way of life, and its role in business. Prerequisite: MKT 331.

MKT 334 Principles of Retailing **Three credit hours**
An introduction to the structure of retailing and problems associated with the management of retail stores of various types. Prerequisite: MKT 331.

MKT 335 Fundamentals of Selling **Three credit hours**
A course designed to provide the student with a general survey of the various careers in selling and a thorough study of salesmanship and sales management. Prerequisite: MKT 331.

MKT 336 Retail Buying and Merchandising **Three credit hours**
This course examines the roles and responsibilities of buyers and merchandising managers who must balance the needs of retailers, the objectives of vendors, and the preferences of consumers. Consumer trends, inventory, retail store reports analysis, budgeting issues, assortment planning, merchandise displays, and aids for merchandise controls are covered. The course is well-suited to prepare students for careers as vendors, buyers, or retailers of consumer goods and services. Prerequisite: MKT 334.

MKT 350 Consumer Behavior **Three credit hours**

Study of the theories of consumer behavior with contributions from the social sciences. Explore the implications on human consumption, including decision-making factors that impact consumer purchasing patterns. Prerequisite: MKT 331.

MKT 430 Marketing Channels **Three credit hours**

This course covers channels of distribution, from the manufacturer (provider) to the wholesaler and retailer. Emphasis is placed on marketing decisions relating to wholesaling and the overall flow of economic goods and services through these agents. Prerequisite: MKT 331 and MKT 334.

MKT 431 Supply Chain Management **Three credit hours**

This course provides a comprehensive study of the concepts, processes, and strategies used in the development and management of global supply chains. Supply-chain management (SCM) is a systems approach to managing the entire flow of information, materials, and services from raw material suppliers through factories and warehouses to the final end-customer. Specific topics include global supply chain management, procurement, electronic commerce, information technologies, and logistics activities. SCM represents a philosophy of doing business that stresses processes and integration. Prerequisite: MKT 334.

MKT 432 Managerial Marketing **Three credit hours**

An analysis of the nature and work of the marketing manager, who organizes, directs, and controls the various functional specialties of marketing. Prerequisite: MKT 334.

MKT 435 International Marketing **Three credit hours**

A course designed to introduce students to the cultural, institution, political, and economic variables influencing the international marketing environment, the concept of international trade, and a framework for the development and implementation of a multinational marketing strategy. Prerequisite: MKT 331.

MATHEMATICS (MTH)

MTH 130 Introduction to College Mathematics **Three credit hours**

This course prepares the student to be successful in College Algebra. Topics include a review of elementary algebra, operations with rational numbers, exponents and radicals, factoring, polynomial and rational functions, equations and inequalities, and applications of these topics. Study skills needed to be successful in mathematics are an important part of this course. Placement into this course is made by the Department and is based on the score on the Mathematics Placement Exam or on SAT/ACT data. For elective credit only.

MTH 131 College Algebra **Three credit hours**

This course is designed to provide an investigative approach to college algebra using the computer and graphing calculator as tools. The topics covered include basic concepts of algebra, functions and graphs, polynomials and rational functions, exponential and logarithmic functions, systems of equations and solving systems of equations using matrices, sequences, and series. At least one hour per week of computer- assisted laboratory instruction is required.

MTH 132 Finite Math **Three credit hours**

Elements of finite mathematical systems for liberal arts and education students. Topics include real numbers, linear equations and straight lines, systems of linear equations and inequalities, matrix algebra, sets and counting, concepts of probability and statistics, and mathematics of finance. The course relies heavily on computers and graphing calculators to develop intuition, make estimates, verify results, and check reasonableness of answers. Prerequisite: MTH 131.

MTH 133: Survey of Practical Applications of Mathematics **Three credit hours**

This course explores practical applications of mathematics in daily life. Students are introduced to linear, quadratic, exponential, and logarithmic functions and some of their many applications. Students are exposed to fundamental principles of probability and descriptive statistics including regression. Students also learn how to construct and interpret graphical representations of data. Boolean logic, Venn diagrams, and basic principles of mathematical finance are also covered. Word problems are used extensively to help develop problem-solving and critical-thinking skills that can be routinely applied in daily life. Whenever possible, technology (including calculators and software applications) are used to illuminate the concepts covered in the course and assist problem solving. Prerequisite: MTH 130 or placement.

MTH 134 Mathematics and Culture **Three credit hours**

This course explores how mathematics is expressed globally and how it is shaped in different societies (i.e. numbering systems, nature, patterns, art, customs, activities). The topic of ethnomathematics is highlighted. Prerequisite: MTH 130 or placement.

MTH 135 Mathematics and Personal Finance **Three credit hours**

This course explores techniques in successful management of personal finances. Through application of mathematical and critical thinking skills and concepts, it encompasses a broad coverage of basic financial planning and decision making, taxes, managing savings, purchasing a home, the impact of credit, investments and saving for retirement. Prerequisite: MTH 130 or placement.

MTH 136 Introductory Statistics **Three credit hours**

Descriptive and inferential statistics. Frequency distributions,

population and samples, measures of central tendencies and variation. Probability, normal, t, and chi distributions. Hypothesis testing, estimations and confidence intervals. Linear regression. Prerequisite: MTH 131 or by placement.

MTH 137 Precalculus I **Three credit hours**

Equations, inequalities, and modeling; functions and graphs; exponents and radicals; polynomial and rational functions; exponential and logarithmic functions; and conic sections. Prerequisite: MTH 131 or by placement or consent of Department.

MTH 138 Precalculus II **Three credit hours**

Trigonometric functions; trigonometric identities and conditional equations; applications of trigonometry; systems of linear equations; matrices and determinants; and sequences, series, and probability. Prerequisite: MTH 137 or by placement or consent of Department

MTH 231 Calculus I **Three credit hours**

Functions and graphs, slope and tangent lines, concepts of limit and continuity. Differentiation and applications in maxima and minima problems, and rates of change. Prerequisite: MTH 138 or by placement.

MTH 232 Calculus II **Three credit hours**

Anti-derivatives, fundamental theorem of Calculus and definite integrals, applications of the definite integral to area, volume, force, and work, and arc length. Transcendental functions. Techniques of integration. Prerequisite: MTH 231.

MTH 233 Mathematics and Spreadsheets **Three credit hours**

This course explores how to use a spreadsheet to enter and analyze data, set up mathematical formulas, and use various mathematical, statistical, financial, and logical functions and formatting for calculating, forecasting, presenting, and integrating data. Prerequisite: MTH 130 or placement; CSC 131 or equivalent.

MTH 311 Junior Seminar I **One credit hour**

This course precedes the Junior Seminar II course and is designed to begin the facilitation of the writing of the Senior Investigative Paper. It exposes students to mathematical research topics and mathematical presentation tools.

MTH 312 Junior Seminar II **One credit hour**

This course continues the facilitation of the writing of the Senior Investigative Paper. It further enhances students' skills in developing mathematical research topics and the use of mathematical presentation tools.

MTH 330 Modern Geometry **Three credit hours**

Logical structure and use of Euclidean geometry. The relationship of Euclidean geometry to other geometries. Prerequisite: Mathematics 231 or consent of Department.

MTH 331 Calculus III **Three credit hours**

Infinite sequences and series; parametric equations and polar coordinates; vectors and geometry of space; functions of several variables, limits, and continuity; partial derivatives; and applications. Prerequisite: MTH 232.

MTH 332 Calculus IV **Three credit hours**

Multiple integration; cylindrical and spherical coordinates; vector fields; line integrals; and Green's theorem in the plane. Surface area and surface integrals. Divergence Theorem. Prerequisite: MTH 331.

MTH 333 Probability and Statistics I **Three credit hours**

Elementary data analysis techniques, elements of probability theory, and analysis of random variables. Prerequisite: Mathematics 232 or consent of the Department.

MTH 334 Probability and Statistics II **Three credit hours**

Mathematical statistics and applications. Statistical inference, correlation and regression, design and analysis of experiments and quality control. Prerequisite: Mathematics 333 or consent of the Department.

MTH 335 Introductory Abstract Algebra **Three credit hours**

Elementary set theory and logic. Mappings, groups, rings, integral domains, fields, and polynomials. Prerequisite: Mathematics 231 or consent of Department.

MTH 336 Introductory Linear Algebra **Three credit hours**

Systems of linear equations, vector spaces, and linear transformations, plus theory and applications of matrices and determinants. Prerequisite: MTH 231 or consent of Department.

MTH 337 Mathematics for **Three credit hours**
Elementary School Teachers I

This course fully supports the state and national standards for elementary teachers in that it follows a curriculum that covers essential mathematical concepts in preparing elementary school teachers for teaching mathematics in grades K-2. This is the first of a two-course sequence. Prerequisite: MTH 132.

MTH 338 Mathematics for **Three credit hours**
Elementary School Teachers II

This course fully supports the state and national standards for elementary teachers in that it follows a curriculum that covers essential

mathematical concepts in preparing elementary school teachers for teaching mathematics in grades 3-6. This is the second of a two-course sequence. Prerequisite: MTH 337.

MTH 339 Advanced Linear Algebra **Three credit hours**
This course evaluates eigenvalues, eigenvectors, diagonalization, symmetric matrices, linear transformations, kernel and range, inverse linear transformations, similarity, applications in: differential equations, geometry, least squares fitting to data and approximation problems, Fourier series, quadratic forms, LU-decomposition, approximating eigen values, complex numbers, modules, complex conjugates, complex vector spaces, and unitary and normal and Hermitian matrices Prerequisite: MTH 336.

MTH 362 Applications of Mathematics **Three credit hours**
This course is designed to cover various applications of mathematics including topics of finance, sets, and Venn diagrams, basic logic; permutations and combinations; mathematics in art and music; spreadsheets; problem solving/critical thinking (including games and puzzles); number systems; and math and culture. Prerequisite: MTH 232.

MTH 411/412 Senior Seminar I/II **One credit hour**
Independent investigation into the selected topic of the Senior Investigative Paper. Emphasis is placed on the skills necessary to produce a written paper, typically in the format of a journal article, plus present a seminar on the chosen SIP topic. These are the two courses make up the Senior Investigative Paper sequence. Prerequisite: Consent of the Department.

MTH 414 Preparation for Standardized Testing **One credit hour**
Preparation for standardized tests such as MFAT, subject GRE, and Praxis II-Mathematics Content. Topics include test anxiety and test-taking strategies, as well as a review of topics from math major courses. Co-requisites/Prerequisites: MTH 331, 333, 335, 336, and a declared Mathematics or Mathematics Education Major or consent of the Department.

MTH 415, 416 Independent Study in Mathematics **One credit hour each**
In-depth study of areas of mathematics consistent with student interest and career objectives. Written reports are required. Prerequisite: Advanced standing and consent of Department.

MTH 430 Topics in Analysis **Three credit hours**
Euclidean spaces and metrics, concepts of compactness and connectedness. Continuous functions, uniform continuity, infinite sequences, and series. Uniform convergence. Prerequisite: MTH 331 and 335.

MTH 432 History and Foundations of Math **Three credit hours**

History of mathematics through creative problem solving. Set theory in the development of modem analysis algebra and geometry, proofs, techniques, and methods. Pioneers of mathematics. Prerequisite: MTH 232.

MTH 433 Mathematics for Scientists and Engineers **Three credit hour**

Fundamental concepts and methods in applied mathematics. Topics covered include systems of linear equations and matrices, infinite series, complex numbers and variables, LaPlace transforms, differential and integral equations, Fourier Transforms, and Inverse Fourier Transforms. Applications in physics and engineering. Prerequisite: MTH 336 and 434.

MTH 434 Differential Equations I **Three credit hours**

Elementary techniques of solving ordinary differential equations. Applications in the biological and physical sciences. Prerequisite: MTH 232.

MTH 435 Transforms **Three credit hours**

Introduction to periodic functions - Fourier series. Complex form of Fourier series and Fourier Transform. Applications: Laplace Transforms for functions, derivatives, and integrals. Differential and hybrid differential-integral equations using Laplace transforms. Applications from electrical circuit theory. Prerequisite: MTH 434.

MTH 436 Differential Equations II **Three credit hours**

An introduction to partial differential equations. Different types of partial differential equations, methods of solving partial differential equations. Solutions of Laplace's equation, wave equation, and heat transfer equation. Numerical methods in solving partial differential equations with given boundary conditions. Applications from engineering and applied physics areas. Includes scientific computer lab experience. Prerequisite or Co-requisite: MTH 435.

MTH 437 Complex Variables **Three credit hours**

Complex numbers, complex functions, and roots in the complex plane, transformation and linear mapping, limits and continuity, analytic and harmonic functions, Cauchy-Riemann equations, branches of functions, exponential and trigonometric functions, complex integrals, Taylor and Lauren series, singularities, zeros and poles, residues, and definite integrals. Prerequisite: MTH 331.

MTH 438 Biostatistics **Three credit hours**

Statistical analysis from a biological point of view. Topics include probability distributions, confidence intervals, estimation of population parameters, test of significance, analysis of a variance, correlation, and regression. Prerequisite: MTH 231.

MTH 439 Topics in Algebra **Three credit hours**

Topics on semi-groups and groups, rings, integral domains, finite fields, modules over ring, and vector spaces over fields. Prerequisite: MTH 335.

MTH 442 Numerical Methods **Three credit hours**

The course covers algorithms and computer techniques for numerical solutions of problems in several areas including numerical integration and differentiation, systems of linear equations, zeros of functions, and curve fitting. It also includes round-off error analysis. Prerequisite: MTH 232 and CSC 232.

MTH 462 Topics in Number Theory **Three credit hours**

Prime numbers and prime factorization, Greatest Common Divisors, The Euclidean Algorithm, The Fundamental Theorem of Arithmetic, Linear Diophantine Equations, Introduction to Congruences, Divisibility Tests, Wilson's Theorem, Fermat's Little Theorem, Euler's Theorem, The Euler Phi-Function, and applications to cryptology. Prerequisite: MTH 335.

MTH 490 Internship in Mathematics **Three credit hours**

A supervised internship in a professional environment that exposes the student to how mathematics is applied to solve real-world problems, as well as enabling students to interact with mathematicians in a setting other than the classroom. The student is required to formally present a detailed description of his/her experiences. Prerequisite: Consent of the Department.

MTH 492 Materials and Methods in High School Mathematics **Three credit hours**

The course acquaints students with pedagogical issues in teaching mathematics and enhances their ability to make decisions in a secondary school environment. The course fully supports the state and national standards for secondary school teachers in that it follows a curriculum that covers methods and strategies for teaching essential mathematical concepts to secondary school teachers. Prerequisite: MTH 232, 335 and 336.

MTH 494 Teaching Elementary Mathematics **Three credit hours**

The course is designed to prepare teachers to teach mathematics in the elementary school and focuses on mathematics content, pedagogy, technology, diversity issues, standards-based education, and field experiences. It is taught as part of a senior learning community block. Prerequisite: Admission to Teacher Education.

MTH 497-498-499 Special Topics in Mathematics **One, Two, or Three credit hours**

A course focusing on a specific topic designed to provide advanced study in an area of special interest in mathematics. The course serves as a restricted elective course and can be repeated upon Departmental approval. Prerequisite: Consent of Department.

MILITARY SCIENCE (MSCI)

MSCI 1101 Leadership and Personal Development **One credit hour**

Introduces cadets to the personal challenges and competencies that are critical for effective leadership. Cadets learn how the personal development of life skills such as critical thinking, goal setting, time management, physical fitness, and stress management relate to leadership, officership, and the Army profession. Includes instruction in map reading, land navigation, and customs and courtesies of the Army. Participation in leadership lab is required. There is no military obligation to take this course. Co-requisite: MSCI 1101L. *(Fall Semester Only)*

MSCI 1101L Leadership and Personal Development Lab **One credit hour**

Application of basic leadership skills through multiple venues including Drill and Ceremony, Land Navigation, Weapons Familiarization, Basic Rifle Marksmanship, Medical Tasks, Individual Movement Techniques, Employing Claymore Mines, Engaging Targets with Hand Grenades, Introduction to the Orders Process, Understanding Army Acronyms, Hand and Arm Signals, and Radio Protocol Procedures. *(Fall Semester Only)*

MSCI 1102 Introduction to Leadership **One credit hour**

Overview of leadership fundamentals such as setting direction, problem-solving, listening, presenting briefs, providing feedback, and using effective writing skills. Cadets explore dimensions of leadership values, attributes, skills, and actions in the context of practical, hands-on, and interactive exercises. Includes instruction in basic tactics. *Co-requisite: MSCI 1102L. Participation in leadership lab is required. There is no military obligation to take this course. (Spring Semester Only)*

MSCI 1102L Introduction to Leadership Lab **One credit hour**

Application of basic leadership skills through multiple venues including Drill and Ceremony, Land Navigation, Weapons Familiarization, Basic Rifle Marksmanship, Medical Tasks, Individual Movement Techniques, Employing Claymore Mines, Engaging Targets with Hand Grenades, Introduction to the Orders Process, Understanding Army Acronyms, Hand and Arm Signals, and Radio Protocol Procedures. (*Spring Semester Only)*

MSCI 2101 Innovative Team Leadership **Two credit hours**

Explores the dimensions of creative and innovative tactical leadership strategies and styles by examining team dynamics and two historical leadership theories that form the basis of the Army leadership framework (trait and behavior theories). Cadets practice aspects of personal motivation and team building in the context of planning, executing,

and assessing team exercises and participating in leadership labs. Includes instruction in troop-leading procedures, tactical movement, battle drills, and offensive and defensive operations. *Participation in leadership lab is required. There is no military obligation to take this course. Co-requisite: MSCI 2101L. (Fall Semester Only)*

MSCI 2101L Innovative Team Leadership Lab **One credit hour**
Application of intermediate leadership skills through multiple venues including Leading Drill and Ceremony, Advanced Land Navigation, Building Terrain Models, Advanced Rifle Marksmanship, Advanced Medical Tasks, Movement Formations, Movement Techniques, Special Teams, Writing Operations Orders, Situation Reporting, Call for Fire, and Introduction to Battle Drills. *(Fall Semester Only)*

MSCI 2102 Foundations of Tactical Leadership **One credit hour**
Examines the challenges of leading tactical teams in the complex contemporary operating environment (COE). The course highlights dimensions of terrain analysis, patrolling, and operation orders. Further study of the theoretical basis of the Army leadership framework explores the dynamics of adaptive leadership in the context of military operations. Includes instruction in terrain analysis, patrolling, tactical orders, route planning, and navigational methods. *Participation in leadership lab is required. There is no military obligation to take this course. Co-requisite: MSCI 2102L.* (*Spring Semester Only)*

MSCI 2102L Foundations of Tactical Leadership Lab **One credit hour**
Application of intermediate leadership skills through multiple venues including Leading Drill and Ceremony, Advanced Land Navigation, Building Terrain Models, Advanced Rifle Marksmanship, Advanced Medical Tasks, Movement Formations, Movement Techniques, Special Teams, Writing Operations Orders, Situation Reporting, Call for Fire, and Introduction to Battle Drills. *(Fall Semester Only)*

MSCI 3101 Adaptive Team Leadership **Three credit hours**
Challenges cadets to study, practice, and evaluate adaptive leadership skills as they are presented with challenging scenarios related to squad tactical operations. Cadets receive systematic and specific feedback on their leadership attributes and actions. Based on such feedback, as well as their own self-evaluations, cadets continue to develop their leadership and critical thinking abilities. Includes instruction in squad operations, problem solving, and combat orders. *Participation in leadership lab is required. Prerequisite: Basic Course Credit. Co-requisite: MSCI 3101L. (Fall Semester Only)*

MSCI 3101L Adaptive Team Leadership Lab **One credit hour**
Challenging scenarios related to small-unit tactical operations are used to develop self awareness and critical thinking skills. The cadet receives systematic and specific feedback on leadership abilities. Cadets at this

level serve as the NCO Corps of the ROTC Battalion, which is the backbone and executors of the program.

MSCI 3102 Applied Team Leadership Three credit hours
Uses increasingly intense situational leadership challenges to build cadet awareness and increase skills in leading tactical operations up to platoon level. Cadets review aspects of combat, stability, and support operations. They also conduct military briefings and develop proficiency in garrison operation orders. Includes instruction in platoon operations, stability and support operations, and garrison orders. Designed to prepare third-year students to perform effectively in the Leadership Development and Assessment Course (LDAC). Prerequisite: MSCI 3101. Co-requisite: MSCI 3102L. *Participation in leadership lab is required. (Spring Semester Only)*

MSCI 3102L Applied Team Leadership Lab One credit hour
Specific instruction is given in individual leadership development, planning and execution of small-unit operations, individual and team development, and the Army as a career choice. Prepares cadets for the mandatory 32-day Leader Development and Assessment Course at Fort Lewis, Wash.

MSCI 4101 Developing Adaptive Leaders Three credit hours
Develops cadet proficiency in planning, executing, and assessing complex operations, functioning as a member of a staff, and providing performance feedback to subordinates. Cadets assess risk, make ethical decisions, and lead fellow ROTC cadets. Lessons on military justice and personnel processes prepare cadets to make the transition into Army officers. Includes instruction in risk management, training management, code of conduct, rules of engagement, counseling, and evaluations. Participation in leadership lab is required and mandatory for all senior ROTC students. Prerequisite: MSCI 3101 & 3102. Co-requisite: MSCI 4101L. *(Fall Semester Only)*

MSCI 4101L Developing Adaptive Leaders Lab One credit hour
Students lead cadets at lower levels. Leadership experiences are designed to prepare them for their first military unit of assignment. Identify responsibilities of key staff members, coordinate staff roles amongst twelve separate universities and colleges that make up the ROTC battalion, and use battalion field/garrison situations to teach, train, and develop subordinates.

MSCI 4102 Leadership in a Complex World Three credit hours
Explores the dynamics of leading in the complex situations of current military operations in the contemporary operating environment (COE). Cadets examine differences in customs and courtesies, military law, principles of war, and rules of engagement in the face of international terrorism. They also explore aspects of interacting with non-government organizations, civilians on the battlefield, and

host nation support. Includes instruction in Army organization and modularity, the platoon command team, a battle analysis, and a staff ride. *Participation in leadership lab is required and mandatory for all senior ROTC students.* Prerequisite: MSCI 4101. Co-requisite: MSCI 4102L.

MSCI 4102L Leadership in a Complex World Lab — **One credit hour**

Designed to prepare for first military unit of assignment. Students will identify responsibilities of key staff members, coordinate staff roles amongst twelve separate universities and colleges that make up the ROTC battalion, and use battalion field/garrison situations to teach, train, and develop subordinates. The leadership lab uses case studies, scenarios, and "What Now, Lieutenant?" exercises to prepare students to face the complex ethical and practical demands of leading as a commissioned officer in the United States Army.

MUSIC (MUS)

MUS 111-112 University Choir — **One credit hour**

Performance of choral works from various historical periods. Membership by audition. May be repeated for credit.

MUS 113-114 Piano (Individual) — **One credit hour**

Instruction to meet the needs of students at various stages of proficiency.

MUS 115-116 Voice — **One credit hour**

Study of basic principles of voice production and a variety of solo materials. Development of poise and stage deportment.

MUS 117-118 Organ (Individual) — **One credit hour**

A course requiring students to demonstrate the ability to play the piano fluently, to have a working knowledge of scales, triads, and arpeggios, and to sight-read accurately. Principles of organ touch and technique, preparatory manual and pedal studies, and selected pieces from standard organ repertoire.

MUS 119 University Swing Choir — **One credit hour**

Performance of Broadway, jazz, popular, folk, ballads, and other musical genres. Membership by audition. May be repeated for credit.

MUS 130 Introduction to African-American Music — **Three credit hours**

An introduction to the history of Black American music, composers, and musicians.

MUS 131 Introduction to Music Literature **Three credit hours**
An introduction to the history and literature of music. General Education course for all students. Satisfies the Humanities Group requirement in the Liberal Studies Program.

MUS 132 The Fundamentals of Music **Three credit hours**
A review course in basic musicianship, including the fundamentals of music and music theory.

MUS 143 Music Theory I **Three credit hours**
The integrated study of written theory and harmony, keyboard harmony, aural theory, analysis, and literature. Prerequisite: Demonstration of competencies in Music 132. Includes three hours of lecture and two hours of lab.

MUS 144 Music Theory II **Three credit hours**
A continuation of areas begun in Music 143. Prerequisite: Demonstration of competencies required in Music 143. Includes three hours of lecture and two hours of lab.

MUS 210 University Marching Band **One credit hour**
Performance of popular music in various styles. Membership by audition. May be taken for credit or non-credit. May be repeated. *(Fall Semester Only)*

MUS 211 University Symphonic Band **One credit hour**
Performance of concert music of various historical periods. May be taken for credit or non-credit. May be repeated. *(Spring Semester Only)*

MUS 212 Jazz Ensemble **One credit hour**
Performance of jazz compositions in a variety of styles. Membership by audition. May be repeated. *(Spring Semester Only)*

MUS 213-214 Piano (Individual) **One credit hour**
Additional technique and repertoire materials.

MUS 215-216 Voice (Individual) **One credit hour**
Continuation of Voice 115-116.

MUS 217-218 Organ (Individual) **One credit hour**
Advanced pedal and manual studies continues. Simple modulations at the organ, transpositions and improvisations, and repertoire building continues.

MUS 219 Composition With Technology **One credit hour**
Computer-generated music and computer-assisted music are explored. Class sessions are conducted in workshop format, where students

create, present, and critique their own and peers' musical works. Each student produces 2-3 composition projects that display originality and experimentation representative of college-level music standards. Each work is performed and/or recorded by the student. May be repeated for credit. Earned credits may count towards Major Instrument requirement for Music majors, with consent of Department Chair. Prerequisite: Consent of instructor.

MUS 229 Composition With Technology **Two credit hours**

Computer-generated music and computer-assisted music are explored. Class sessions are in a master-class/workshop format, where students create, present, and critique their own and peers' musical works. Each student produces 2-3 composition projects (at least one of which must be considered a work of "art music"), which display originality and experimentation representative of college-level music standards. A performance and/or recording of these works is/are a required part of the final grade, akin to a final exam. MUS 229 may be repeated up to a total accumulation of six credit hours for each student. Prerequisites: MUS 143 and 144, or consent of the Music Area Coordinator.

MUS 232 Introduction To Music Technologies **Two credit hours**

Essential tools, concepts, and applications of music software and hardware for a wide range of musical activities, including composing, recording, notation, and pedagogy are explored, as well as basic acoustics and waveform theory. Each student produces projects and/or presentations demonstrating comprehension and musical application of the topic. Prerequisite: MUS 143 or consent of instructor.

MUS 243 Music Theory III **Three credit hours**

The advanced integrated study of the materials and literature of music. Prerequisite: Demonstration of competencies required in Music 144. Includes three hours of lecture and two hours of lab.

MUS 244 Music Theory IV **Three credit hours**

A continuation of areas begun in Music 243. Prerequisite: Demonstration of competencies required in Music 243. Includes three hours of lecture and two hours of lab.

MUS 312 Electro-Acoustic Music Ensemble **One credit hour**

Students and the instructor prepare musical works to be performed using electronic and computer-enhanced instruments. Each student performs in at least one such work, representative of college-level musicianship and electro-acoustic art music. Enrollment for this course is limited to ten students. May be repeated for credit. Prerequisite: Audition and consent of Music Area Coordinator for "ensemble credit."

MUS 313-314 Piano (Individual) **One credit hour**

Continuation of advanced technique and literature.

MUS 315-316 Voice (Individual) **One credit hour**
Continuation of Voice 215-216.

MUS 317-318 Organ (Individual) **One credit hour**
Continuation of previous course.

MUS 321 Vocal Pedagogy **Two credit hours**
This is a course in the study of the teaching of voice. Students examine various teaching theories and schools of thought in vocal training.

MUS 322 Conducting **Two credit hours**
A study of the technique of conducting instrumental and vocal groups.

MUS 323 Orchestration **Two credit hours**
A study of orchestral instruments and the practical study of the art of symphonic scoring.

MUS 324 Piano Pedagogy **Two credit hours**
This is a course in the study of teaching piano. Students examine various teaching theories and schools of thought in piano training.

MUS 325 Introduction to Music Ministry **Two credit hours**
Prepares students to meet requirements of leadership in music ministry by focusing on specific duties and responsibilities, such as implementing the total church music program; assisting and supervising church musicians and choir directors; preparing music budgets and reports; and working with choirs, music committees, and church boards and organizations. Required for all Music majors with a concentration in Sacred Music.

MUS 326 Song Literature **Two credit hours**
A study of vocal literature written from the Baroque Era through the twentieth century. This course examines English, French, German, and Italian art song and opera. The course examines materials on a rotating basis, so students may repeat the course for up to four credits.

MUS 327 Piano Literature **Two credit hours**
A study of piano literature written from the Renaissance through the twentieth century. This course explores the solo and concerto literature for the piano.

MUS 328 Instrumental Literature **Two credit hours**
A study of instrumental literature written from the Baroque Era through the twentieth century. This course examines the literature written for solo instruments of the string, brass, percussion, and woodwind families. It also examines both accompanied and unaccompanied literature for solo instruments.

MUS 329 Instrumental Pedagogy **Two credit hours**

This is a course in the study of teaching instruments. Students examine various teaching theories and schools of thought in the teaching of their respective instruments.

MUS 331 Introduction to Music Business **Three credit hours**

Provides an overview of the major areas of music business, including music merchandising, music copyright, contracts, and licensing laws, as well as recording industry production and distribution, and artist management. Career options and development are also explored, and qualified music-business professionals and performers serve as guest speakers. Field trips (individual and groups visits) to music merchandising, recording studios, and other related music business sites are offered.

MUS 332 Survey of Electronic Music **Three credit hours**

An introduction to a variety of computer software used in electronic music and computer compositional techniques. Emphasizes hands-on instruction in the use of the computer to arrange or compose music, MIDI sequencing programs, digital audio recording and editing techniques and technologies, and electronic music styles and instruments. Prerequisites: MUS 143 and 144.

MUS 333 Sacred Music Literature **Three credit hours**

Intensive study of selected church music literature, vocal and instrumental, including readings and analyses of anthems, cantatas, oratorios, arrangements of Negro spirituals and contemporary gospel music, and organ and piano compositions. Students perform assigned musical works and present individual reports and papers on topics relating to the style and history of the music. Required for all Music majors with a concentration in Sacred Music. Prerequisites: MUS 143 and 144.

MUS 334 Hymnology **Three credit hours**

An in-depth examination of the music and texts of hymns of various styles and genres. Emphasizes performance practices of hymns; procedures for choosing hymns theologically and thematically compatible with liturgies; seasonal and special church services; musical analysis of selected hymn repertoires; and historical developments of congregational song to the present. Students present individual reports and papers on topics relating to the history and musical genres and styles of hymns. Required for all Music majors with a concentration in Sacred Music. Prerequisites: MUS 143 and 144.

MUS 337-338 Music History and Literature **Three credit hours**

A general survey of the development of music from primitive sources to the present day. These courses are designed for Music majors.

MUS 400 Senior Recital **One credit hour**
Presentation of a program of music representing a variety of historical styles. Grading on a P/NP basis. Requirement fulfilled with a P grade only.

MUS 413-414 Piano (Individual) **One credit hour**
Continuation of advanced technique and literature. Includes Senior Recital.

MUS 415-416 Voice (Individual) **One credit hour**
Continuation of Voice 315-316. Includes Senior Recital.

MUS 417-418 Organ (Individual) **One credit hour**
Continuation of previous course.

MUS 423-424 Piano (Individual) **Two credit hours**
Advanced study of technique and repertoire.

MUS 425-426 Voice (Individual) **One credit hour**
Advanced study of technique and repertoire.

MUS 427 Form and Analysis **Two credit hours**
A study of the small part forms through the larger part forms.

MUS 429 Independent Study or Seminar **Two credit hours**
Investigation of some aspect of music or music education. Taken during the Fall and Spring semesters for the preparation and writing of the Senior Research Paper.

MUS 432 Music in the School Curriculum **Three credit hours**
Principles, objectives, materials, and procedures for meeting the needs of the music teacher in the total school curriculum. The problems of organization, administration, and teaching methods of the music teacher and supervisor in the elementary through the secondary school is explored.

MUS 433 Vocal and Choral Methods **Three credit hours**
Study of the voice dealing with techniques of vocal production, vocal problems, vocal literature, and techniques for teaching voice to students and adults. Methods, materials, rehearsal techniques, administration, and other major choral problems are studied.

MUS 434 Instrumental Methods **Three credit hours**
Study of methods, materials, techniques, organization, administration, equipment marching band techniques, and other major problems of instrumental teaching.

MUS 439 Music Internship **Three credit hours**
Practical experience in the music profession appropriate for students with concentrations in either Music Business or Sacred Music. A minimum of 120 hours of work is required. Prerequisite: Consent of the Department.

MUS 510 Sight-Singing/Ear-Training **One credit hour**
A course in the rudiments of music reading and dictation. The course includes performance, aural recognition, and notation of melodies, rhythms, and triads.

MUS 511 Sight-Singing/Ear-Training **One credit hour**
This course covers more advanced music reading and dictation and includes performance, aural recognition, and notation of more complex melodies, rhythms, triads, and two-voice counterpoint. Pre-requisite: MUS 510.

MUS 522 Piano Accompanying **Two credit hours**
This course is an introduction to all aspects of accompanying. The course focuses on the skills needed in accompanying, including sight reading, rehearsal techniques, score preparation, and general concepts of performance.

MUS 523 Symphonic/Chamber Music Literature **Two credit hours**
A study of the symphonic and chamber music literature written between the seventeenth and twentieth centuries. This course examines the history of and music written for the symphony orchestra with emphasis on the symphony, symphonic (tone) poem, incidental music, and the concerto repertoire for orchestra and orchestra with solo instruments. The course also examines the chamber music repertoire for various instrumental ensembles.

MUS 524 Vocal Diction **Two credit hours**
This course is an introduction to the International Phonetic Alphabet and its use in the pronunciation of Italian, German, French, and Latin texts.

MUS 612-613 Strings (Individual) **One credit hour**
A course for the beginner. Individual and ensemble playing of exercises, scales, arpeggios, and easy compositions.

MUS 614-615 Strings (Individual) **One credit hour**
A study of the technique and repertoire of the chosen instrument.

MUS 616-617 Strings (Individual) **One credit hour**
A study of the technique and repertoire of the chosen instrument.

MUS 618-619 Strings (Individual) **One credit hour**
A study of the technique and repertoire of the chosen instrument.

MUS 710-711 Woodwind Class **One credit hour**
A course for the beginner. Individual and ensemble playing of exercises, scales, arpeggios, and easy compositions.

MUS 712-713 Woodwind (Individual) **One credit hour**
A study of the technique and repertoire of the chosen instrument.

MUS 714-715 Woodwind (Individual) **One credit hour**
A study of the technique and repertoire of the chosen instrument.

MUS 716-717 Woodwind (Individual) **One credit hour**
A study of the technique and repertoire of the chosen instrument.

MUS 718-719 Woodwind (Individual) **One credit hour**
A study of the technique and repertoire of the chosen instrument. Includes Senior Recital.

MUS 720-721 Woodwind (Individual) **One credit hour**
Advanced study of technique and repertoire.

MUS 810-811 Brass and Percussion Class **One credit hour**
A course for the beginner. Individual and ensemble playing of exercises, scales, arpeggios, and easy compositions.

MUS 812-813 Brass and Percussion (Individual) **One credit hour**
A study of the technique and repertoire of the chosen instrument.

MUS 814-815 Brass and Percussion (Individual) **One credit hour**
A study of the technique and repertoire of the chosen instrument.

MUS 816-817 Brass and Percussion (Individual) **One credit hour**
A study of the technique and repertoire of the chosen instrument.

MUS 818-819 Brass and Percussion (Individual) **One credit hour**
A study of the technique and repertoire of the chosen instrument. Includes Senior Recital.

MUS 820-821 Brass and Percussion (Individual) **One credit hour**
Advanced study of technique and repertoire.

NATURAL SCIENCES (NSC)

NSC 110 Introduction to Laboratory Research **One credit hour**
A brief introduction to the nature and practice of laboratory research in the natural sciences. The nature of scientific inquiry, the formulation of research questions, the role of the scientific literature, and laboratory record keeping are some of the topics covered. For elective credit only.

NSC 130 Introduction to College Science **Three credit hours**

An overview of the content and processes of science. Focuses on process skills and basic science concepts. For elective credit only.

NSC 140 Studies in the Natural Sciences **Four credit hours**

In this course, students learn about selected areas of the natural sciences while being guided in the use of scientific procedure and the practice of scientific thinking to collect and analyze data related to selected phenomena. Professional ethics in science and technology is also discussed. This course meets in a classroom setting three hours per week, with up to an additional three hours per week in a lab setting. Prerequisite: MTH 130 or placement in a higher math.

NSC 218-9 Sophomore Seminar I and II **One credit hour**

Students explore career goals, read scientific literature, and learn the basic types of research presentation used in the sciences. Attendance at Natural Sciences Seminars is required. Prerequisite: Eight hours in Biology, Chemistry, or Physics or consent of Department. Cross-listed as CHE 218-9 and BIO 218-9.

NSC 220 Introduction to Laboratory Research Instrumentation **Two credit hours**

Introduction to the operating principles, theoretical basis, and data interpretation skills related to selected laboratory instrumentation. Includes both lectures and labs. For elective credit only.

NSC 310 Responsible Research Seminar **One credit hour**

The ethical and practical considerations involved in conducting research. General ethical guidelines are developed and illustrated by case studies of scientific fraud drawn from the original literature. Other topics that may be covered are copyright infringement, proper crediting of work in publications, publication choices (paper, patent, etc.), animal and human subject use, and the impact of information technology on the responsible conduct of research. Prerequisite: Consent of the Department.

NSC 318 Junior Seminar I **One credit hour**

Students practice writing personal statements, explore career goals, and prepare applications to internships and graduate and professional programs. Prerequisites: Junior standing or consent of Department. This is the first required course for the Senior Investigative Paper sequence. Cross-listed as BIO 318 and CHE 318.

NSC 319 Junior Seminar II **One credit hour**

Review and discussion of literature and resource materials as they pertain to science. Ethical considerations related to research are also discussed. The student selects a Senior Paper topic, researches and

writes it, then orally presents a proposal defending the choice. This is the second required course for the Senior Investigative Paper sequence. Prerequisite: NSC 318. Cross-listed as BIO 319 and CHE 319.

NSC 429 Senior Seminar I **Two credit hours**

Independent investigation into the selected topic of the Senior Paper. Emphasis is placed on the skills necessary to produce a written paper, typically in the format of a journal article. Attendance at Natural Sciences Seminars is required. Prerequisite: NSC 319 or consent of Department.

NSC 419 Senior Seminar II **One credit hour**

Independent investigation into the selected topic of the Senior Paper. Emphasis is placed on the skills necessary to produce a written paper, typically in the format of a journal article, plus present a seminar on the SIP topic. Attendance at Natural Sciences Seminars is required. This is the final course in the Senior Investigative Paper Sequence. Prerequisite: NSC 429 or consent of Department.

ORIENTATION (ORT)

ORT 111 Orientation **One credit hour**

The orientation course is designed to introduce entering students to the practices of successful study and living in the University community. Students participate in small supportive learning groups under the leadership of faculty and peer mentors. In addition, this course invites students to assess their personal, academic, social, and career development in the context of an ongoing inquiry into the permanent domains of human concern. It is a requirement for graduation.

ORT 112 Orientation **One credit hour**

The second semester orientation course is designed for freshmen to declare majors, create resumes, develop co-curricular agendas, and continue their pursuits of academic and social integration into University life. Students participate in small supportive learning groups under the leadership of faculty and peer mentors. In addition, this course invites students to assess their personal, academic, social, and career development in the context of an ongoing inquiry into the permanent domains of human concern. This course is a requirement for graduation. Students on Academic Probation particularly focus on the academic side of their University experience.

ORT 120 Orientation for Transfer Students **One credit hour**

The orientation course is designed to introduce entering students to the practices of successful study and living in the University community. Students participate in small supportive learning groups under the leadership of a faculty mentor. In addition, this course invites students to assess their personal, academic, social, and career development in the

context of an ongoing inquiry into the permanent domains of human concern. This course is a requirement for graduation.

PHILOSOPHY (PHI)

PHI 131 Introduction to Philosophy **Three credit hours**
A course introducing the student to the reading and doing of philosophy. Discussion of methods of philosophical inquiry and representative philosophical concepts. Satisfies the Humanities Group requirement in the Liberal Studies Program.

PHI 233 Practical Logic **Three credit hours**
A survey of the basic problems of clear thinking with emphasis on their application to the use of language. Prerequisite: PHI 131.

PHI 234 Ethics **Three credit hours**
A study of basic methods and selected systems of ethical thinking discussed in terms of their relevance to present-day moral issues facing both individuals and society. Prerequisite: PHI 131.

PHI 432 Seminar in Philosophy **Three credit hours**
Advanced research on selected philosophical topics. Prerequisite: Permission of the instructor.

PHYSICAL EDUCATION (PED)

PED 020 Beginner Tennis **Two credit hours**
This is an activity course designed to teach basic tennis knowledge and skills including forehand, backhand, serve, and singles and doubles play. *This course satisfies the Liberal Studies requirement.

PED 021 Beginner Golf **Two credit hours**
This is an activity designed to teach basic golf knowledge and skills preliminary to course play. This course satisfies the Liberal Studies requirement.

PED 022 Basic Swimming **Two credit hours**
This course is structured to train students from the beginner to advanced level. This course satisfies the Liberal Studies requirement.

PED 023 Advanced Beginner Swimming **Two credit hours**
This is a swimming course designed to teach students basic swimming skills. Prerequisite: PED 022 or permission of the instructor. *This course satisfies the Liberal Studies requirement.

PED 024 Intermediate Swimming **Two credit hours**
This course provides the student with the opportunity to develop a high level of proficiency in the American crawl, back crawl, and elementary

backstroke. Prerequisite: PED 023 or permission of the instructor. *This course satisfies the Liberal Studies requirement.

PED 025 Intermediate Tennis **Two credit hours**

This course affords the student the opportunity to develop more advanced strokes such as the volley, overhead shot, drop shot, and lob. It also allows the student to be in actual dual match competition in a smaller class setting. Prerequisite: PED 020 or permission of the instructor. *This course satisfies the Liberal Studies requirement.

PED 026 Adapted Physical Activity **Two credit hours**

This is a course in conditioning and sport activities designed for those with temporary or permanent physical disabilities that prevent participation in regular activity classes. A student must have permission from a physician before participating in this course. *The course satisfies the Liberal Studies requirement.

PED 120 Weight Training **Two credit hours**

This course is designed to introduce the student to one or more of the following types of weight training programs: muscular strength/power, muscular endurance, and cardiovascular endurance. *This course satisfies the Liberal Studies requirement.

PED 121 Outdoor Pursuits **Two credit hours**

The purpose of this course is to enhance students' knowledge of several outdoor, recreational, and physical activities such as hiking, canoeing, cycling, Nordic skiing, alpine skiing, and skin diving. *This course satisfies the Liberal Studies requirement.

PED 122 Volleyball and Softball **Two credit hours**

This is an activity course designed to teach fundamental terms, rules, skills and strategies of volleyball and softball. *The course satisfies the Liberal Studies requirement.

PED 123 Basketball and Soccer **Two credit hours**

This course is designed to introduce the student to the basic skills, strategies, and rules of basketball and soccer. *This course satisfies the Liberal Studies requirement.

PED 124 Team Sports **Two credit hours**

This course is designed to introduce the student to skills, strategies, and rules of a variety of team sports such as field and floor hockey and flag football. *This course satisfies the Liberal Studies requirement.

PED 125 Rhythm and Dance **Two credit hours**

This course provides instruction and participation in various dances such as ballroom, folk, square, line, African, and modern. It satisfies the elective requirement for Elementary Education majors and also satisfies the Liberal Studies requirement.

PED 126 Physical Fitness **Two credit hours**

This course focuses on instruction and participation in aerobic dance and conditioning exercises that emphasize cardiovascular endurance, muscular endurance, muscular strength, body composition, and flexibility. *This course satisfies the Liberal Studies requirement.

PED 127 Recreational Games **Two credit hours**

This course is designed to introduce the student to skills, strategies, and rules of a variety of lifetime sports such as bowling, shuffleboard, handball, badminton, track and field, and archery. The activities offered are determined each semester the course is offered. *The course satisfies the Liberal Studies requirement.

PED 128 Yoga, Stress Management, and Meditation* **Two credit hours**

This course introduces students to the fundamentals of Yoga. The focus is on improving concentration, stress management, proper breathing, physical fitness, flexibility, strength, balance, and relaxation. *The course satisfies the Liberal Studies requirement.

PED 129 Aqua Fitness **Two credit hours**

This course provides students with an opportunity to participate in low- and high-impact aerobic workouts in the water designed to improve their flexibility, cardio-respiratory endurance, agility, and fitness. Instruction about the components of a water workout regimen are covered. This course is beneficial to a wide range of students, including those who have mobility difficulties, individuals who desire to regain strength and flexibility after an injury or surgery, inactive or sedentary students interested in starting an exercise program, and those who desire to lose weight and gain muscle tone. Swimming ability is not a prerequisite for this course. *The course satisfies the Liberal Studies requirement.

PED 224 Methods of Teaching Dance **Two credit hours**

This introductory course is presented in both a lecture and laboratory format. An emphasis is placed on the analysis of skill progression, drills, short and long-range planning, and classroom management, along with other techniques involved in teaching rhythm and dance.

PED 230 Foundations of Physical Education and Sport Management **Three credit hours**

This is the first course for students majoring in Physical Education and Sport Management. It is designed to provide the historical, philosophical, sociological, and other foundation areas of physical education and sport. In addition, information concerning career opportunities and professional growth is presented. A practical experience in an area of interest with a minimum of ten hours of observation at an outside agency and/or public school is required. (Formerly PED 221, PED 229, & PED 331)

PED 232 Psychomotor Development **Three credit hours**
This course is designed to provide students with knowledge and practical experience to enhance their effectiveness in understanding and analyzing motor development in infants, children, youth, and adults.

PED 234 Sport Skills and Techniques **Three credit hours**
This course introduces students to the fundamentals of instructing sports techniques and skills in an instructional setting. The course exposes students to dual, individual, and team sports. It also provides the opportunity to learn and apply the rules of each sport in a practical setting.

PED 235 Sports Officiating **Three credit hours**
This course provides students with the basic philosophical and psychological concepts of sports and sports officiating, officiating techniques, games preparedness and management, the roles of the official, and the legal issues related to sports officiating.

PED 236 Theory and Practice of Coaching **Three credit hours**
The course offers a beginning study of research-based principles and methods used to coach individual, dual, and team sports.

PED 237 Introduction to Athletic Training **Three credit hours**
This course is intended to introduce students to the profession of athletic training and sports medicine. The history and development of the profession and the concept of the sports medicine team, function, career opportunities, and professional standards and medical terminology are discussed. Students are required to complete a 50-hour clinical observation with a certified athletic trainer.

PED 238 Introduction to Exercise Science **Three credit hours**
This course gives an overview of the foundation of exercise science and the professions in physical education and sport. The course is designed to enable students to understand the exercise sciences as fields of academic study and programs, as well as professional applications. In addition, this course enables students to discriminate among these contexts and relate them by applying relevant knowledge and appropriate theoretical perspectives. It also explores the foundation of exercise physiology and how the cardiovascular, metabolic, and neuromuscular systems respond during exercise.

PED 239 Exercise Prescription* **Three credit hours**
This course provides students with the recommendations and rationale necessary to design fitness programs for healthy adults and special populations. In addition, the course explores the application of specificity, overload, and progression, plus provides an overview of acute program variables, changes made in a program, selection of exercises, how to determine frequency, and exercise sequencing. Students learn exercise program design based on underlying principles and concepts

developed for very specific training goals and then match these goals with the necessary program design to achieve desired results. The course also addresses how to add variation to a training program with weight loads, repetitions and sets, intensity, volume, and rest period lengths. Prerequisite: PED 126.

PED 310, 320 & 330 Independent Study One - Three credit hours
This is a course designed to provide intensive work in an area of special interest or a required topic in physical education. This course is available to qualified students upon recommendation from the academic advisor and the instructor related to the topic.

PED 332 Kinesiology and Biomechanics Three credit hours
This course reinforces student knowledge of anatomy and provides the student with the opportunity to develop competencies essential to analyzing physical activity performance. A laboratory experience is included. Prerequisite: BIO 240. (Prerequisite for BIO 240 is BIO 142 or 143.)

PED 335 Methods and Materials of Teaching Three credit hours
Pre-School - 6th Grade Physical Education
This is a course designed to provide students with knowledge and practical experience that will enhance their effectiveness in teaching physical education to students in pre-school through sixth grade. A laboratory experience is required. Co-requisite: EDU 312.

PED 336 Adapted Physical Education Pedagogy Three credit hours
This course provides students with the philosophy, knowledge, and methods of teaching physical education to students with disabilities and those who are exceptional. A lab with practical experience is required to supplement classroom instruction.

PED 337 Management of Physical Three credit hours
Education and Sport Management
This course provides students with competencies essential to managing and administering physical education and sport and safety programs. Students are required to complete the American Red Cross Certification Program in First Aid and CPR.

PED 338 Junior Seminar Three credit hours
The first of two formal courses that facilitate the writing of the Senior Investigative Paper. Students complete a proposal for their Paper as an outcome of the course. To accomplish this, students learn research methods and strategies necessary to complete an acceptable proposal.

PED 341 Measurement and Evaluation Three credit hour
in Human Performance
This course is designed to develop an understanding of measurement and evaluation concepts of health and human performance, with a

special focus on the analysis and interpretation of data in different environments. Prerequisite: MTH 132.

PED 430 Senior Seminar **Three credit hours**

This is the second of two formal courses that facilitate the writing of the Senior Investigative Paper. The purpose of the course is to expose students to significant issues, methodology, and research in the fields of physical education, and to investigate an area of major interest for completion of the SIP. (Formerly PED 430)

PED 431 Methods and Materials of Teaching 7th Grade Through 12th Grade Physical Education **Three credit hours**

A study of the effective use of methods and materials (media and the computer) for teaching physical education to seventh through twelfth grade students. A laboratory experience is required. Emphasis is placed on test construction. Co-requisite: EDU 312.

PED 432 Exercise Physiology **Three credit hours**

This course presents fundamental concepts and materials pertinent to the various functions of the human body during physical activity. It provides the student with the knowledge of the physiological effects of exercise as well as an awareness of the values of physical activity to an individual's well-being. A laboratory experience is required. Prerequisite: BIO 240; prerequisite for BIO 240 is BIO 142 or 143.

PED 437 Athletic Injury Care and Prevention **Three credit hours**

This course provides an introduction to the care and prevention of athletic injuries. Topics covered include: pathology of injury, injury recognition and evaluation, care and treatment of injuries, protective equipment, environmental concerns, nutrition, psychological considerations, and administration as related to the practice of providing athletic care. A laboratory experience is included. Students are required to complete a 50-hour clinical observation with a certified athletic trainer. Prerequisite: BIO 240; prerequisite for BIO 240 is BIO 142 or 143.

PED 438 Program Design in Fitness and Wellness **Three credit hours**

This course gives students the basic skills necessary to develop and implement fitness and wellness programming for health clubs, recreation facilities, YMCAs/YWCAs, and Boys and Girls Clubs. Emphasis is placed on management, programming, and leadership procedures specifically for the fitness and wellness professional. Students receive detailed insight on how to design and monitor programs that are safe and effective for all individuals. Students demonstrate both a thorough understanding and practical application of exercise theory, training effects, program design, and assessment procedures of fitness and wellness programming. Prerequisite: PED 239.

PED 490 Special Topics in Physical Education and Sport Management **Three credit hours**

An occasional or experimental course focusing on a specific topic designed to provide advanced study in an area of special interest in physical education and sport management. This course is an elective and is available to qualified students upon recommendations from the academic advisor and the instructor. This course may be repeated for additional credit.

PHYSICS (PHY)

PHY 241 General Physics **Four credit hours**

The first course in a two semester algebra-based introduction to physics. Includes fundamental principles of physics in relation to classical mechanics, thermodynamics, vibrations, and wave motion. Three lecture hours and three hours of laboratory a week. Prerequisite: a grade of C or higher in Math 138 or consent of the Department.

PHY 242 General Physics **Four credit hours**

A continuation of PHY 241. This course offers an introduction to the fundamental principles of physics in relation to electricity, magnetism, light, optics, and modern physics. Three lecture hours and three hours of laboratory a week. Prerequisite: a grade of C or higher in PHY 241 or consent of the Department.

PHY 243 Mechanics **Four credit hours**

The first course in a two semester calculus-based introduction to physics. This course offers an introduction to vectors; statics and dynamics of particles; momentum, work, and energy; conservation law; and mechanics of rigid bodies. Three lecture hours and three hours of laboratory a week. Prerequisite: A grade of C or higher in MTH 231 or consent of the Department.

PHY 244 Electricity and Magnetism **Four credit hours**

A continuation of PHY 243. This course offers an introduction to the physics of electricity and magnetism, including electric fields, electric currents, circuits, magnetic fields, Maxwell's equations, and electromagnetic waves. Three lecture hours and three hours of laboratory a week. Prerequisite: A grade of C or higher in PHY 243 and MTH 232 or consent of the Department.

PHY 330 Laboratory Electronics **Three credit hours**

An introduction to basic principles of electronics, operation of electronic measuring devices, and construction of devices for electrical and electronic measurements. Prerequisite: Consent of department. One hour of lectures and three hours of laboratory a week.

PHY 331 Introduction to Modern Physics I **Three credit hours**
A study of waves in elastic media; sound; light; reflection, refraction, interference and diffraction; lenses and mirrors; quantum physics; nuclear reactions; atomic structure and the wave nature of matter. Prerequisite: PHY 244.

PHY 332 Introduction to Modern Physics II **Three credit hours**
Radioactivity, disintegration of nuclei, fission and fusion, nuclear processes, fundamental particles, and accelerators. Prerequisite: PHY 331.

PHY 344 Waves and Optics **Four credit hours**
A study of waves, acoustics, and optics. Prerequisite: PHY 243. Three lectures and four hours of laboratory a week.

PHY 345 Biophysics **Four credit hours**
Sound and the ear, light and the eye, microscopy, the physics of muscular contraction, electrocardiography, and radiation physics. Biophysical techniques utilizing wave phenomena, nuclear phenomena, and mechanical and electrical phenomena. Prerequisite: PHY 241-242 and BIO 143. Three lectures and four hours of laboratory a week.

POLITICAL SCIENCE (POL)

POL 131 American Government **Three credit hours**
A study of the development, structure, and operation of the American political system.

POL 230 Introduction to Political Analysis **Three credit hours**
An introductory study and application of the concepts and methods necessary for an analysis of the political system. Prerequisite: POL 131 or permission of instructor. *(Fall Semester Only)*

POL 231 State and Local Politics **Three credit hours**
A study of politics and administration at the sub-national level. Emphasis on the social, economic, and legal setting of state and local governments in the American federal system. Topics include intergovernmental relations, fiscal problems, and services delivery. Prerequisite: POL 131, POL 230 or permission of instructor. (*Offered in alternate years*)

POL 330 Public Administration and Management **Three credit hours**
A study of the formulation of public policy, organization, management, and problems of personnel and finance. Prerequisite: POL 131. (*Offered in alternate years*)

POL 331 Law and Politics **Three credit hours**
This course is an introduction to the American legal system, focusing

on its political context and significance. It sketches the structure and functioning of the federal court system, and then explores the courts' impact on individuals who seek to vindicate their rights through litigation and on those who become involved with the criminal justice system. Special attention is devoted to the history and role of the legal profession in America. (*Offered in alternate years*)

POL 332 The Developing World **Three credit hours**
A study of the politics and problems of selected countries in Africa, Asia, and Latin America. Topics include social and economic development strategies of poor countries, South-South cooperation, and North-South relations. (*Offered in alternate years*)

POL 333 Comparative Political Systems **Three credit hours**
A comparative analysis of various political systems in the developed and developing countries. Emphasis on the parliamentary system (as modified) and the American Presidential system. Prerequisite: POL 131. (*Spring Semester Only)*

POL 334 International Relations **Three credit hours**
An analysis of the international political system, including the distribution of power among states in the international system, the manner in which states try to increase their capabilities, and the various mechanisms for conflict adjustment. (*Fall Semester Only)*

POL 335 Political Theory **Three credit hours**
A study of classical and modern political thought exploring the great questions of justice, freedom, and equality, and alternative forms of government. Prerequisite: POL 131. (Offered in alternate years)

POL 339 Black Political Thought **Three credit hours**
A study of the development of Black political thought in the U.S. The course is designed to critically examine and evaluate various themes, perspectives, and approaches in Black political thinking and behavior as they emerged in the writings and activities of leading Black figures and movements from the 19th century to present. *(Offered in alternate years)*

POL 398 Research Methods **Three credit hours**
The study and application of basic research materials and methods in political science. Emphasis is on understanding advantages and disadvantages of various research methods and on building facility in reading and evaluating different types of studies. This is a writing- and speaking-intensive course in preparation for the Senior Paper Project. Required for all majors. Should be taken in the Spring Semester of the junior year. Prerequisites: Statistics (MTH 136 or SSC 233) and POL 131. (*Spring Semester Only)*

POL 431 Policy Analysis **Three credit hours**
This course examines the concepts, approaches, processes, issues, and

problems involved in policy-making and implementation, as well as the methods, techniques, and strategies for the analysis and evaluation of the impact of policy and program outcomes in public and private organizations or institutions. Prerequisite: POL 131 and POL 230.

POL 432 Seminar in American Politics **Three credit hours**
An in-depth study of selected institutions and processes in American politics, such as Congress, the Presidency, political parties, and the electoral process. *(Offered in alternate years)*

POL 433 International Organization **Three credit hours**
A study of the nature and role of international law and the operations of the United Nations and other regional organizations. *(Offered in alternate years)*

POL 434 Foundations of Constitutional Law **Three credit hours**
This course surveys the historical development of American constitutionalism from its beginnings until 1900. Emphasizes the framing of the Constitution and different approaches to its meaning; the origins and rationale of judicial review; evolving doctrines of judicial self-limitation; and early cases on race relations. *(Offered in alternate years)*

POL 435 Civil Rights and Civil Liberties **Three credit hours**
This course surveys modern Supreme Court cases in four subject areas: racial discrimination; gender discrimination; freedom of speech; and presidential powers. Selected students participate in a moot court exercise. Prerequisite: POL 434 or permission of instructor. *(Offered in alternate years)*

POL 436 Bureaucracy and Organizational Behavior **Three credit hours**
A critical examination of the problems, structures, and practices in large modern organizations with particular emphasis on the American bureaucracy, using empirical case studies of both public and private organizations. *(Offered in alternate years)*

POL 437 Foreign Policy **Three credit hours**
A study of the foreign policy behavior of nation states with a critical investigation into its formulation and implementation. Special emphasis on American foreign policy.

POL 439 Internship **Three credit hours**
A supervised internship in a professional work environment designed to give students practical experience as well as knowledge and skills in a relevant professional field. Students are responsible for a minimum of 120 hours of work and must complete a paper on their work activities and experiences.

POL 491 Special Topics in Political Science **Three credit hours**
Advanced reading, papers, and discussions on selected topics in political science. Topics are determined by the instructor. May be repeated for a total of 12 credit hours.

POL 499 Senior Paper **Three credit hours**
Production of Senior Paper. Data collection, analysis and interpretation, revision, and defense of the paper. Independent study format. Prerequisites: POL 131, POL 230, and POL 398.

PSYCHOLOGY (PSY)

PSY 131 General Psychology **Three credit hours**
A course designed to provide an understanding of behavior through the study of growth and development, motivation, emotion, learning, personality, intelligence, and other related topics.

PSY 132 Research in Psychology **Three credit hours**
A survey of research-based studies that have had a profound influence on the field of psychology. This course emphasizes the use of the scientific method in the study of human behavior. It concentrates on the disciplined, rigorous, systematic methods employed in important research across several areas of psychology and provides a framework for understanding psychological research. Prerequisite: A grade of C or better in PSY 131.

PSY 230 Psychology of the Exceptional **Three credit hours**
An examination of psychological approaches to understanding exceptional children. Emphasis is placed on applications to educational settings. (Same as Education 296) Prerequisite: PSY 131.

PSY 233 Descriptive and Predictive Statistics **Three credit hours**
Basic statistical concepts and procedures used in social and behavioral research. Emphasis is on data classification, data organization, graphing, distribution description, central tendency, dispersion, z-scores, the Normal Distribution, probability, coefficients of association, coefficient of determination, and prediction. Use of computer for all procedures. Co-listed as SOC 233 and SSC 233. Prerequisites: a grade of C or better in CSC 131 and 6 credit hours of math.

PSY 234 Inferential Statistics **Three credit hours**
Statistical procedures and interpretation for causal inference of experiment results. One and two tailed z-tests, t-tests, analysis of variance, and chi square. Use of computer for all procedures. Co-requisite: PSY 333. Prerequisite: a grade of C or better in PSY 233.

PSY 235 Psychology of Childhood **Three credit hours**
A study of the development of children from conception to adolescence. The biological factors and social forces that affect the growing child

are dealt with, as are cognitive and moral development, learning, maturation, and family relationships. Prerequisite: PSY 131.

PSY 237 Psychology of Adolescence **Three credit hours**
The psychology of behavior arising from the problems peculiar to the transitional period between childhood and maturity. Prerequisite: PSY 131.

PSY 239 Educational Psychology **Three credit hours**
A study of the theories of education and the principles of classroom learning. Concepts dealing with the acquisition of knowledge and interpersonal social relations are emphasized. The practical applications of these principles are incorporated. Prerequisite: PSY 131.

PSY 330 The Psychology of Learning **Three credit hours**
A study of the facts and theories of human and animal learning. Prerequisite: PSY 131.

PSY 331 Black Psychology **Three credit hours**
A study of the historical development of Black psychology, the conceptual paradigms, cultural themes, and psychological constructs to understand the feelings and behaviors of African Americans and the empirical data collected and analyzed in professional journals. Co-listed as AAS 537.

PSY 332 Health Psychology **Three credit hours**
Health psychology is a rapidly emerging field of basic and applied research that utilizes principles of psychology to impact health and illness across the lifespan. Health psychology seeks to elucidate the role that behavior and its physiologic concomitants play in the etiology, treatment, and prevention of disease. Specific topics addressed include behavioral, psychosocial, and neuropsychological correlates of chronic diseases such as asthma, cancer, diabetes, multiple sclerosis, hypertension, and other cardiovascular diseases; the physiology and management of chronic pain; psychoneuroimmunology and behavioral influences on infectious diseases (i.e., HIV/AIDS and the common cold); and sleep-related health consequences. Prerequisite: PSY 131.

PSY 333 Experimental Research Methods **Three credit hours**
An introduction to the theory, methods, and techniques of experimental psychology with an emphasis on developing hypotheses, operational definitions, and predictions; developing methods of testing predictions; and interpretation of expected results. Students work together as teams to conduct demonstration research projects. Further emphasis on mastering APA style and developing basic competence in following a research protocol. Students also learn to design a basic research project. Co-requisites PSY 234 and a grade of C or better in PSY 132.

PSY 334 Quantitative and Qualitative Research Methods **Three credit hours**
Builds on and extends knowledge gained in PSY 333 by examining

each aspect of the research more intensely, leading to revising portions of the research. Reexamines the nature and organization of the research to determine whether it is best suited for a quantitative or qualitative approach, then reexamines supporting literature, theoretical perspectives, methods, procedures, analysis, and interpretation of expected results. Recommended as preparation for PSY 430. Prerequisites: a grade of C or better in PSY 234 and 333.

PSY 335, 325, 315 Selected Topics in Psychology **One, Two, or Three credit hours**
Exploration of special psychological topics. May be repeated. Prerequisite: 15 credit hours in psychology or permission of the instructor.

PSY 336 Consumer Behavior **Three credit hours**
A study of human behavior as it relates to the consumption of goods and the use and acceptance of service. The early history, growth, and recent trends in consumer psychology is incorporated into coverage of the characteristics of consumers and consumer decision-making. Occupations that apply psychological concepts to the study of consumer behavior are explored. (Co-listed as PUR 336)

PSY 337 Industrial/Organizational Psychology **Three credit hours**
An examination of the knowledge and skills required to deal with problems of people at work. Topics include processes of communication, personnel selection and placement, training, motivation, evaluation, conflict reduction, performance enhancement, and job satisfaction.

PSY 338 Personality Theory **Three credit hours**
An introduction to some of the major theories of personality and their implications for daily living. The contents and functions of personality theories are explored. The course reviews the writing of researchers/writers from the Psychoanalytic, Behavioral, Cognitive, Trait, and Humanistic perspectives. Methods of measuring personality functioning and promoting change are also examined. Prerequisite: PSY 131.

PSY 339 Principles of Psychological Measurement **Three credit hours**
An introduction to psychological testing that includes an exploration of the functions and origins of the area. Basic characteristics of assessment techniques such as the establishment of reliability and validity are studied. Students are introduced to some of the major psychological tests available today. Laboratory experience in test administration and interpretation is included. Prerequisite: PSY 131.

PSY 390 Women, Race and Class **Three credit hours**
The course is designed to provide an examination of the development and persistence of race, class, and gender issues in the United States. Close attention is given to the historical, cultural, political, economic,

and social institutions and influences and their implications for a pluralistic society. These and other issues are discussed as they relate to each other and current issues. Prerequisite: PSY 131 or permission of the instructor.

PSY 392 Physiological Psychology **Three credit hours**
A survey course designed to explore the physiological bases of human and nonhuman behavior. Primary emphasis is on the nervous system and its role in the control of physiological mechanisms that govern behavior. The first part of the course establishes an elementary background in neurons and neurophysiology, neuroanatomy, neurochemistry, and methods used in psychophysiological research. The physiological bases of sensation, perception, and various behaviors, including sleep, emotions, motivation, learning, memory, eating, and drinking are explored during the second part of the course. In addition, clinically relevant topics dealing with psychological and neurological disorders such as depression, schizophrenia, Parkinson's, and Alzheimer's diseases are also covered. Prerequisite: PSY 131.

PSY 430 Senior Seminar in Psychology **Three credit hours**
A collaborative group experience supplemented by individual sessions with faculty and independent effort, all designed to aid each senior in the successful writing of a Senior Investigative Paper. Required of all first-semester seniors who have declared Psychology as a major. Prerequisites: Major credit for PSY 131, 132, 233, and 333.

PSY 431 Social Psychology **Three credit hours**
Problems, concepts, and methods in the study of social interaction and interpersonal influence. (Co-listed SOC 431). Prerequisite: PSY 131.

PSY 432 Abnormal Psychology **Three credit hours**
An examination of the descriptions, dynamics, and modification of behavioral deviations and psychological disorders. Focus is on the classification of abnormal behaviors, theoretical explanations, and resultant treatment methods for each disorder. The course is supplemented with case examples, community outreach activity, and multimedia presentations. Prerequisite: PSY 131 or permission of instructor.

PSY 433 Internship in Psychology **Three credit hours**
An opportunity for students, under supervision, to participate in professional psychological activities such as testing, counseling, job placement, group therapy, and research. Each student is responsible for 120 hours of work in a selected community agency and for participation in periodic seminars. Prerequisites: 15 credit hours in Psychology and permission of the instructor.

PSY 434 Introduction to Clinical Psychology **Three credit hours**
A study of the historical development of clinical psychology and an

exploration of the theories of personality and behavior, the techniques and problems of diagnosis and personality assessment, the research role of the clinical psychologist, the diversity of psychotherapeutic approaches, community psychology and mental health, and professional issues related to the training and practice of clinical psychologists. Prerequisite: PSY 131.

PSY 435 Theoretical Psychology **Three credit hours**
A comprehensive review of the development of the field of psychology and the systems and theories that have evolved out of their historical roots. Contemporary trends in each area of the discipline are explored. Prerequisite: PSY 131.

PSY 436, 426, 416 Independent Research in Psychology **One, Two, or Three credit hours**
Independent investigation of topics of special interest. Prerequisites: junior classification, 6 credit hours in Psychology, approval of faculty supervisor. May be repeated.

RELIGION (REL)

REL 130 The Judeo-Christian Heritage **Three credit hours**
The essential insights and ideas of the Old and New Testaments and their continuing value for people today.

REL 131 Survey of the Great Living Religions **Three credit hours**
A study of the world's living religions, including those of Africa, in light of their historical development, beliefs, practices, and contemporary importance. Satisfies the Humanities Group requirement in the Liberal Studies Program.

REL 236 The History of Christianity in America **Three credit hours**
Major aspects of Christian thought and institutions in the United States, from Colonial times to the present, with special reference to the development of Afro-American churches.

REL 330 The Black Man: His Religious Institutions and Thought **Three credit hours**
A study of the Afro-American religious experience. Attention to its African antecedents; its development from, dependence upon, and independence of Euro-American Christianity; and the emerging critique of religion's relevance to culture.

REL 335 The Sociology of Religion **Three credit hours**
A functional analysis of the interrelationships involving society, culture, and religion. The role of the church and religion in the social order and social change. *(Offered in alternate years)*

REL 430 Seminar in Religion **Three credit hours**
Advanced research on selected topics in religion.

SCIENCE FOR TEACHERS (SCE)

SCE 330 Science for Elementary School Teachers **Three credit hours**
Instruction in science content important to the Elementary Curriculum using strategies and activities that aid students in the development, delivery, and evaluation of this curriculum. The course emphasizes good science teaching procedures and preparation for Praxis II exam. Prerequisites: LS 135 or higher science course.

SOCIAL SCIENCES (SSC)

SSC 233 Statistics for the Behavioral and Social Sciences **Three credit hours**
The application of descriptive and inferential statistics to data in the social and behavioral sciences. Emphasis on data classification, data reduction, the normal distribution, Z scores, probability, hypothesis testing, z test, t test, and statistical power. Prerequisites: MTH 131 and 132. (Same as PSY 233 and SOC 233) (*Fall Semester Only*)

SSC 336 Material and Methods in High School Social Studies **Three credit hours**
This course is concerned with the philosophy, aims, methods, and techniques of teaching social studies in secondary school. This course is a prerequisite for student teaching in the field of social studies. (*Offered upon demand*)

SSC 490 Social Science Seminar **Three credit hours**
A course designed to help students achieve a synthesis of social science knowledge. Offered for credit in students' chosen areas of concentration.

SOCIAL WORK (SWK)

SWK 234 Introduction to Gerontology **Three credit hours**
This course offers a survey of biological, psychological, and social perspectives and research relevant to the study of human aging. In addition, students are introduced to concepts and entry-level skills that are applicable for human services to the elderly. (Co-listed as SOC 234). *(Offered Alternate Semesters)*

SWK 239 Introduction to Social Work **Three credit hours**
A survey course that provides a general knowledge of social work as a profession and its many areas of professional practice.

SWK 330 Institution of Social Welfare **Three credit hours**

A study of the philosophy, development, trends, and dynamics of social welfare as a cognate institution in the social system. Prerequisite: SWK 239. (*Fall Semester Only*)

SWK 331 Child Welfare: Policies and Practices **Three credit hours**

A course designed to offer social work students current and comprehensive information that defines, describes, and analyzes the impact of policies on the welfare of children and families. *(Offered Alternate Semesters)*

SWK 332 Social Welfare Policy **Three credit hours**

An assessment of history, current issues, programmatic changes and choices that impact social welfare services. Prerequisite: SWK 239. (*Spring Semester Only*)

SWK 333 Social Work Settings **Three credit hours**

A practical course designed to develop a focused awareness of various primary and secondary settings, the generalist's roles, and a broad knowledge of public and private services available to the public.

SWK 334 Human Behavior and the Social Environment I **Three credit hours**

A course that examines human behavior from a normal perspective. Special emphasis on individuals' bio-psychosocial needs and the behavioral consequences when these needs are not met. Prerequisite: SWK 239, SOC 131, and PSY 131. (*Fall Semester Only*)

SWK 335 Human Behavior and the Social Environment II **Three credit hours**

This course continues the study of human behavior started in SWK 334. It includes a specific focus on the bio-psychosocial needs of aged members in our population. Prerequisite: SWK 334. (*Spring Semester Only*)

SWK 338 Special Topics Course Series **Three credit hours**

This course is designed to expose students to issues and information that are pertinent to identifying, communicating, and working effectively with special populations.

SWK 431 Social Work Research Methods **Three credit hours**

This course provides an introduction to methods of scientific inquiry. The objectives of the course are to provide opportunities for students to develop an understanding of scientific methodology including single subject design, utilize research for identifying and validating social needs, and assess and analyze data. Prerequisite: SWK 239, PSY 233, or MTH 136.

SWK 432 Social Work with Groups **Three credit hours**
The focus of this course is to help students learn the dynamics of group interactions and the processes and skills required to facilitate productive outcomes. Prerequisite: SWK 239. (*Fall Semester Only*)

SWK 433 Social Work Practice I **Three credit hours**
A planned-change approach to studying the processes in social work practice with individuals, families, and small groups, incorporating practice skills with knowledge of human behavior and the social environment. Prerequisites: SWK 330, 334, 335, SOC 432, BIO 240, MTH 136, or PSY 233. Open to Social Work seniors only. *(Fall Semester Only)*

SWK 434 Social Work Practice II **Three credit hours**
This course emphasizes the development of social work skills for working with communities and large organizations in the area of social administration utilizing the planned-change approach. The application of these skills is interwoven with knowledge of human behavior and the social environment, social policy, and the applicability of research. Prerequisites: SWK 330, 334, 335, SOC 432, BIO 240, MTH 136, or PSY 233. Open to Social Work seniors only. *(Fall Semester Only)*

SWK 435 Social Work Seminar **Three credit hours**
A course requiring students, as a team, to analyze and interpret problems, data, and assigned materials connected with field experiences in light of established concepts and practice principles previously learned. Co-requisite: SWK 490.

SWK 436 Senior Investigative Paper I **Three credit hours**
A course designed for the preparation of the core of the Senior Investigative Paper. Prerequisites: MTH 136 or PSY 233, SWK 431. Open to Social Work seniors only

SWK 437 Community Organization **Three credit hours**
A course designed to provide a macro perspective of the practice principles and processes essential in mobilizing social welfare needs and community resources. Prerequisites: SWK 239 and SWK 330.

SWK 438 Senior Investigative Paper II **Three credit hours**
This course provides second semester seniors with an environment for discussions, the exchange of ideas, the 'fine tuning' of their Senior Investigative Papers and preparation of orals. Prerequisite: SWK 436.

SWK 490 Field Experience **Twelve credit hours**
A modified block placement course designed to help students acquire first-hand knowledge of social work practices in community agencies through active professional work experiences four days a week in pre-selected agency settings. Prerequisites: All required courses except SWK 435 and 438, which are taken concurrently with Field Experience.

SOCIOLOGY (SOC)

SOC 131 Principles of Sociology **Three credit hours**
An introduction to the viewpoints, basic concepts, and methods of sociology.

SOC 133 Introduction to Cultural Anthropology **Three credit hours**
A survey of the various processes and conditions involved in cultural growth and change. (*Offered in alternate years*)

SOC 233 Statistics for the Social and Behavioral Sciences **Three credit hours**
The application of descriptive and inferential statistics to data in the social and behavioral sciences. Emphasis on data classification, data reduction, the normal distribution, z scores, probability, hypothesis testing, z test, t test, and statistical power. Prerequisite: MTH 136 or its equivalent. Co-listed as PSY 233 and SSC 233.

SOC 234 Introduction to Gerontology **Three credit hours**
The survey of biological, psychological, and sociological perspectives and research relevant to the study of human aging. Co-listed as SWK 234.

SOC 238 Social Problems **Three credit hours**
A sociological treatment of contemporary social problems. *(Offered alternate years; Fall Semester only)*

SOC 239 Sex Roles **Three credit hours**
Explores the importance of gender in understanding the self, social institutions, society, and social change. (*Offered in alternate years*)

SOC 332 Urban Sociology **Three credit hours**
A study of the growth, ecology, social processes, organization, and problems of urban communities. (*Offered in alternate years*)

SOC 333 Social Stratification **Three credit hours**
An examination of the ways in which societies differ in terms of their systems of internal differentiation.

SOC 335 The Sociology of Religion **Three credit hours**
A functional analysis of the interrelationships involving society, culture, and religion and the role of the church in the social order and social change. (Same as REL 335) (*Offered in alternate years*)

SOC 338 Deviant Behavior **Three credit hours**
Emphasis on individual behavior patterns in society. Examination of the social and psychological principles underlying sociopathic behavior. (*Offered in alternate years*)

SOC 434 The Development of Social Theory **Three credit hours**
An analysis of the emergence and development of sociological theory. Prerequisite: SOC 131. (*Offered Fall Semester Only)*

SOC 436 Internship in Sociology **Three credit hours**
Through placement in a criminal justice agency or social service agency, students put into practice concepts, methods, and theories learned in coursework. Students work 120 hours at an agency during a semester. Course may be taken twice. Prerequisite: CRIM 131 or SOC 131.

SOC 494 Special Topics in Sociology and Anthropology **Three credit hours**
Advanced study of special topics and anthropology. May be repeated for a total of 12 credit hours.

SPANISH (SPA)

SPA 131 Elementary Spanish I **Three credit hours**
An introductory course in the fundamental communicative skills of listening, speaking, reading, and writing. An interactive classroom approach emphasizes the application of language to concrete situations using essential vocabulary and structures as well as an appreciation of Hispanic culture.

SPA 132 Elementary Spanish II **Three credit hours**
A continuation of Spanish 131 in an ever-increasing interactive classroom environment with emphasis on expansion of vocabulary and grammatical concepts as well as exposure to the concrete reality of culturally diverse attitudes and behaviors. Prerequisite: SPA 131 or placement by examination.

SPA 231 Intermediate Spanish I **Three credit hours**
Emphasis on communicative and writing skills. Short basic readings, conversation, grammar, and aspects of culture. Prerequisite: SPA 132 or 133 or permission of instructor.

SPA 232 Intermediate Spanish II **Three credit hours**
A continuation of Spanish 231 with more reading, conversation, and composition. Strong emphasis on developing facility in oral and written expression. Prerequisite: SPA 231 or permission of instructor.

SPA 235 Internship in Spanish **Three credit hours**
One semester of full-time real-life experience in the field where Spanish majors apply their academic knowledge and skills to the workplace. Subject to Departmental approval. Prerequisite: SPA 232 or permission of instructor. Work experience unrelated to the Spanish major is considered a part-time job.

SPA 236 Spanish for Business and Technology **Three credit hours**
Acquisition and use of financial, legal, commercial, telecommunication, and modern technological terminology in Spanish. Written and oral exercises include establishing a résumé, writing a business letter, conducting an interview, and making a business presentation in Spanish. Prerequisite: SPA 232 or permission of instructor.

SPA 237 Spanish for Social Services **Three credit hours**
An intensive study of the vocabulary and terminology required of social service professionals and other community workers for communicating in Spanish. Class features service learning and actual use of Spanish in the field with Hispanic clients and professionals. Prerequisite: SPA 232 or permission of instructor.

SPA 238 Spanish for Law Enforcement **Three credit hours**
An intensive study of the vocabulary and terminology required of law enforcement professionals and other community workers for communicating in Spanish. Class features service learning and actual use of Spanish in the field with Hispanic clients and professionals. Prerequisite: SPA 232 or permission of instructor.

SPA 239 Spanish for Healthcare Professionals **Three credit hours**
An intensive study of the vocabulary and terminology required of doctors, nurses, and other medical professionals and community workers for communicating in Spanish. Class features service learning and actual use of Spanish in the field with Hispanic clients and professionals. Prerequisite: SPA 232 or permission of instructor.

SPA 330 Spanish Conversation I **Three credit hours**
Reading and listening activities with elements of a grammar review are used as the basis of improving oral proficiency. Emphasis given to both informal and academic settings including interpersonal communication and formal presentations. Prerequisite: Spanish 232 or permission of instructor.

SPA 331 Advanced Spanish Composition and Grammar **Three credit hours**
Review of Spanish grammar and guided conversation based on prepared topics. Progressive development of writing skills in Spanish. Emphasis on different types based on literary selections. Conducted in Spanish. Prerequisite: SPA 232 or permission of instructor.

SPA 332 Applied Spanish Phonetics **Three credit hours**
Formal study of rules of Spanish pronunciation and their application to modern standard Spanish. Extensive practice in reading and speaking with proper rhythm and intonation. For non-native speakers only. Prerequisite: SPA 232 or permission of instructor.

SPA 333 Introduction to Hispanic Literature **Three credit hours**
Exposure to theoretical, technical, and aesthetic issues as exemplified in a selected anthology of readings in Spanish and Latin American Literature. Emphasis on the development of reading and writing skills. Conducted in Spanish. Prerequisite: SPA 232 or permission of instructor.

SPA 334 Latin American Civilization **Three credit hours**
Introduction to the history, art, and social institutions from Colonial times through the twentieth century as primary forces in the development of Latin American culture. Conducted in Spanish. Prerequisite: SPA 232 or permission of instructor.

SPA 335 Cooperative Education in Spanish **Three credit hours**
Two to three semesters of full-time real-life experience in the field where Spanish majors apply their academic knowledge and skills to the workplace. Participation in the co-op program (two-to-three semesters of full-time work related to the Spanish major) must be approved by the Director of Cooperative Education prior to registration. Under the Cooperative Education Program, a one-semester assignment is considered an internship. Work experience unrelated to the Spanish major is considered a part-time job. Departmental approval is required. Prerequisite: SPA 232 or permission of instructor.

SPA 336 Hispanic Drama **Three credit hours**
Study of the works of Hispanic playwrights from the Golden Age to the present. Conducted in Spanish. Prerequisite: SPA 232 or permission of instructor.

SPA 337 Techniques in Translation of Spanish **Three credit hours**
Practice in oral and written two-way translation using various types of documents and discourses. Focus is on a series of problems in translation linked to specific linguistic functions such as description, narration, advertisement, and report. Students are required to reflect critically on the way in which two languages work as they translate a variety of literary and non-literary texts. Prerequisite: SPA 232 or permission of instructor.

SPA 338 Spanish Conversation II **Three credit hours**
Continued focus on improving oral proficiency including an advanced study of interpersonal and academic communication. Contemporary cultural topics of the Spanish-speaking world are used to further develop fluency and accuracy of spoken language. Prerequisites: SPA 330 and 331 or permission of instructor.

SPA 339 Spanish for Educators **Three credit hours**
An intensive study of the vocabulary and terminology required of educators and other community workers seeking to communicate in Spanish. Class features service learning and actual use of Spanish in the

field with Hispanic clients and professionals. Prerequisite: Spanish 331 or permission of instructor.

SPA 390 Junior Seminar **Three credit hours**
Further development of oral and written expression in Spanish. Introduction to research approaches and techniques in Spanish as well as presentation of major schools of literary criticism and textual analysis through applied readings. Generation of a formal research prospectus through the development of a research problem, search of the literature, and production of an annotated bibliography. Prerequisite: SPA 333 or permission of instructor.

SPA 395/495 Field Study in a Spanish-Speaking Country **Three credit hours**
Study of the Spanish language, literature, and/or civilization abroad. Credit hours of academic program abroad are subject to Departmental approval and proper filing in the Registrar's Office prior to departure. Prerequisite: Any introductory Spanish course or permission of coordinator.

SPA 430 Spanish Culture **Three credit hours**
Introduction to the history, art, and social institutions that shaped the culture and traditions of the people of Spain from pre-Roman times to the present. Special attention to contemporary Spain. Conducted in Spanish. Prerequisite: SPA 333 or permission of instructor.

SPA 431 Survey of Spanish Literature **Three credit hours**
Introduction to significant authors and trends in Spanish Peninsular literature from the Middle Ages through the present. Conducted in Spanish. Prerequisite: SPA 333 or permission of instructor.

SPA 432 Survey of Latin American Literature **Three credit hours**
Introduction to significant authors and trends in Latin American literature, including works by Hispanics and those of African ancestry. Conducted In Spanish. Prerequisite: SPA 333 or permission of instructor.

SPA 433 Spanish Poetry **Three credit hours**
Survey of representative Spanish Peninsular poetry from its beginnings to the present. Conducted in Spanish. Prerequisite: SPA 333 or permission of instructor.

SPA 434 Spanish Prose Fiction **Three credit hours**
Survey of representative Spanish Peninsular prose fiction from the beginnings to the present. Conducted in Spanish. Prerequisite: SPA 333 or permission of instructor.

SPA 435 Latin American Poetry **Three credit hours**
Survey of representative Latin American poetry from the Colonial

period to the present. Conducted in Spanish. Prerequisite: SPA 333 or permission of instructor.

SPA 436 Latin American Prose Fiction **Three credit hours**
Survey of representative Latin American prose fiction from the Colonial period to the present. Conducted in Spanish. Prerequisite: SPA 333 or permission of instructor.

SPA 437 Hispanic Film **Three credit hours**
Introduction to Spanish and Latin American films focusing on their artistic value as well as their relationship to literature, social and political issues, cultural differences, morals, and ethics. Emphasis on development of reading, writing, speaking, and listening skills. Prerequisite: SPA 333 or permission of instructor.

SPA 438 Afro-Hispanic Literature and Culture **Three credit hours**
Consideration of Afro-Hispanics as writers of and characters in Latin American prose and poetry. Reviews and analyses of themes, language, and the way in which Afro-Hispanic writers give voice to cultural aspects of life in the societies in which they live. Conducted in Spanish. Prerequisite: SPA 333 or permission of instructor.

SPA 439 Don Quixote **Three credit hours**
Study of the masterpiece of Miguel de Cervantes, which is considered to be the best structured work written in Spanish as well as the basis of the contemporary novel. Conducted in Spanish. Prerequisite: SPA 333 or permission of instructor.

SPA 490 Senior Seminar **Three credit hours**
Collaborative research seminar supplemented by individual sessions with faculty in which all Spanish and Spanish Education majors write and defend their Senior Investigative Paper. To be taken during the Fall Semester of the senior year. Students with an incomplete in Spanish 390 cannot register for this course. Prerequisite: SPA 333 and 390 or permission of instructor.

SPA 491 Twentieth-Century Hispanic Literature **Three credit hours**
Advanced seminar in Hispanic poetry, prose fiction, drama, and short stories of the twentieth century. Emphasis on the development of reading, writing, speaking and listening skills. Conducted in Spanish. Prerequisite: SPA 333 or permission of instructor.

SPA 496-497-498 Special Topics in Spanish **Three credit hours**
Focus on issues related to the Hispanic world. May be repeated for credit. Normally taught on a one-time basis; not intended to form a permanent part of the Spanish core. *Issues studied may generate topics for the Senior Investigative Research Paper.* Prerequisite: Any 300-level Spanish course or above or permission of instructor.

SPA 499 Independent Study **One to Three credit hours**

A planned and structured project collaboratively defined by student and faculty. Student permitted to contract to complete work in the areas of Hispanic language, literature, and/or culture. One to three credit hours may be earned, according to the scope of work. Multiple enrollments are allowed under different projects for a maximum of 6 credit hours. Open to Spanish and French Education majors. Prerequisite: Any 300-level Spanish course or above or permission of instructor.

SPORT MANAGEMENT (SPM)

SPM 233 Sport Practicum **Three credit hours**

The sport management practicum is designed to expose students to work within real-world sport management settings within intercollegiate athletics. Students obtain practical experiences working in a supervised sport setting on campus. In conjunction, weekly course meetings offer an opportunity for students to learn, compare, contrast, analyze, and evaluate their experiences. It is a prerequisite to the internship course (SPM 433, formerly PED 433). Students are required to acquire 60 hours of practicum experiences. Formerly PED 233. Prerequisite: PED 230.

SPM 331 Sport Marketing **Three credit hours**

This course provides students with basic and fundamental principles, practices, and procedures used in the comprehension, analysis, synthesis, and evaluation of sport marketing theory and techniques as they apply to the specific needs of the sport industry. (Formerly PED 331) Prerequisite: PED 230.

SPM 333 Sport Facilities Management **Three credit hours**

This course discusses functions of management viewed in terms of types of facilities and the kinds of sports staged. Included are coliseums, municipal and college stadiums, country clubs and resorts, YMCAs/YWCAs, and athletic clubs. Detailed, practical background on the principles and practices of public assembly facility management and event promotion is also provided. Formerly PED 333. Prerequisite: PED 230.

SPM 334 Sport Finance and Economics **Three credit hours**

This course provides students with the traditional and innovative revenue acquisition and generation methods and techniques available to the sports practitioner and sport organizations. Moreover, the course provides the student with sport economic principles and theories necessary to make pragmatic and critical decisions. In addition to explorations of conventional income sources, such as tax support, ticket sales, concessions, and fund raising strategies, tactics, and procedures, students receive instruction in more recent innovations related to sport financing. (Formerly PED 334) Prerequisite: PED 230.

SPM 339 Sports Information **Three credit hours**
This course is designed to provide the students with skills and competencies in sports information, including sports statistics, press releases, public relations, and promotion in amateur and professional sports. (Formerly PED 339) Prerequisite: PED 230.

SPM 340 Leadership and Governance in Sport **Three credit hours**
This course teaches theories concepts, principles, and skills of leadership for managers in the sports industry who must influence others to get things done. Styles of successful sport coaches and managers are examined and analyzed in the context of their times and their settings. Students are also introduced to the constitutions and by-laws of various agencies governing sport at the high school, collegiate, amateur, and professional levels. Special emphasis is placed on how governmental agencies influence and sanction sport organizations and the route of appeal of a decision by a governing body. Prerequisite: PED 230.

SPM 433 Internship **Three credit hours**
A supervised internship in a professional work environment that provides a student with exposure to the job market in sport-related businesses and public health agencies. Each student is responsible for 120 hours of work and is required to present detailed descriptions of work activities and experiences. Prerequisite: PED 230 and SPM 233. Formerly PED 433.

SPM 434 Sport and the Law **Three credit hours**
Basic knowledge and understanding of the law as it applies to amateur and professional sports is the focus of this course. Students identify, analyze, and understand legal issues and discuss their ramifications. (Formerly PED 434) Prerequisite: PED 230.

SPM 435 Sport Sociology and Ethics **Three credit hours**
This course offers an introduction to the sociological and ethical issues prevalent in the sport industry. The values of sport and the bases for ethical decision-making and moral significance are discussed. Students also gain an understanding of the philosophical and ethical background of the sport context. Prerequisite: PED 230.

SPM 436 Sport Psychology **Three credit hours**
This course focuses on the study of the motivational phenomena that affect the performance of individual athletes and teams. Stress and leadership characteristics of coaches, athletes, and sport management professionals are also be studied. Prerequisite: PED 230.

VISUAL AND PERFORMING ARTS (VPA)

VPA 230 Seminar Practicum in the Visual and Performing Arts I **Three credit hours**
Students explore different art forms (theatre, studio arts, graphic arts,

music, dance, and film) and reflect upon connections between them. Classes include guest speakers, field experiences, and trips to cultural events.

VPA 231 Seminar Practicum in the Visual and Performing Arts II **Three credit hours**

Students continue to explore different art forms and reflect upon connections between them. They are also introduced to constructive criticism (how to give and accept critiques), develop an individual plan of study, and complete a portfolio/performance to submit for full acceptance into the Visual and Performing Arts major. Portfolios/performances are critiqued by faculty and upper level students in the program. Prerequisite: VPA 230.

VPA 330 Junior Seminar: Portfolio and Project Development **Three credit hours**

Students conduct guided research to inform work on a capstone project and produce an annotated bibliography and a project plan. The project is completed and presented in the Senior Seminar. In close consultation with the instructor and adviser, the student develops a project plan that displays proficiency in the chosen concentration (i.e., portfolio, performance, choreography, or direction of a performance). Required of all junior Visual and Performing Arts majors. Prerequisite: VPA 231.

VPA 430 Senior Seminar: Final Project and Paper **Three credit hours**

Students complete the capstone project developed and approved in the Junior Seminar. A formal paper of ten pages accompanies the project explaining the project's context. The projects (i.e., portfolio, performance, choreography, or direction of a performance) is presented to a public audience of faculty and students and graded by a faculty committee. Required of all senior Visual and Performing Arts majors. Prerequisite: VPA 330.

VPA 431 Internship in Visual and Performing Arts **Three credit hours**

Students identify a site in the community where they complete 120 hours of practical experience in the area of their chosen concentration. Before beginning internship hours, students must complete workshop requirements at the Office of Career Planning and Placement. Interns meet periodically in a seminar to evaluate and reflect on their internship experiences and to integrate the on-site learning with their prior coursework through short papers and presentations. Prerequisite: VPA 231.

VPD 223 Concert Dance I **Two credit hours**

This course provides VPA majors with prior training in dance to begin a scholarly approach to the study of classical ballet, modern, and jazz

dance forms. Emphasis is on acquisition and demonstration of the skills and vocabulary of concert dance forms, with a primary focus on ballet.

VPD 224 African Dance **Two credit hours**
The course provides an introduction to dances, music, and cultures of various regions in Africa with an emphasis on learning authentic dances and their historical and cultural contexts. Students develop strength, aerobic stamina, coordination, flexibility, and rhythmic sophistication by working with master drummers.

VPD 332 Kinesiology **Three credit hours**
This course reinforces students' knowledge of anatomy and provides them with the opportunity to develop competencies essential to analyzing physical activity performance. A laboratory experience is included. Co-requisite or Prerequisite: BIO 143. Same as PED 332.

VPD 333 Concert Dance II **Three credit hours**
This course continues the progression of ballet, modern, and jazz dance skills with an added emphasis on mastery of complex combinations and on the performance qualities of acting, musicality, and phrasing. Primary focus is on jazz dance. Prerequisite: VPD 224 or instructor permission.

VPD 334 Concert Dance III **Three credit hours**
This course provides high intermediate level training in ballet, modern, and jazz dance forms; multiple turns; complex jumps and leaps; a high level of conditioning for strength, flexibility, and stamina; and performance qualities. Prerequisite: VPD 333 and instructor permission.

VPD 432 Dance As an Art Form **Three credit hours**
This course provides a broad history of concert dance, discussing the many purposes that dance has served in various cultures around the world, from the Middle Ages to the present. It provides context for the historical use of dance as religion, exercise, ceremony, protest, and art form.

VPD 433 Dance Composition **Three credit hours**
This course provides the student with a broad variety of methods and criteria for composing dances, including improvisation, generation of movement phrases, manipulation of phrases for variation in structure and rhythm, and both solo and group work.

VPD 434 Advanced Ballet **Three credit hours**
This course is an option for those students with a strong desire for a career in classical ballet and may include repertory, pointe work, or classical variations at the discretion of the instructor.

VPD 435 Advanced Modern **Three credit hours**
This course is an option for those students with a strong desire for a career in modern dance and may include repertory, improvisation, or lifts at the discretion of the instructor. Prerequisite: VPD 334 and instructor permission.

VPF 233 Film Criticism **Three credit hours**
Study of film as an art form. Viewing and criticism of short and longer subjects. Emphasis on contemporary film. The course includes extensive practice in writing reviews and criticism. (Formerly DRA 332)

VPF 323 Screenplay Writing **Three credit hours**
A practical course in the writing of a production-standard screenplay. Attention to the principal techniques of formatting, structuring, and timing. The course includes a comprehensive study of successful screenplays. Co-listed with ENG 392. Prerequisite: VPA 231 or permission of Department Chair.

VPF 333 Electronic Cinematography **Three credit hours**
A hands-on camera craft class designed to give students the knowledge and skills to navigate today's electronic media. Specifically targets camera craft for film making. Prerequisite: VPA 231 or permission of Department Chair.

VPF 334 Production Workshop **Three credit hours**
A practical application course where students have the opportunity to take their theoretical knowledge and apply it to interior lighting and shot design. Students formulate their own exercises for their shoot day. This class shoots in 35mm. Prerequisite: VPF 333 or permission of Department Chair.

VPF 431 Documentary Workshop **Three credit hours**
Students develop the knowledge, tools, and techniques needed to create documentary films for broadcast. By the end of the course, students complete a rough cut of a documentary of a length no longer than sixty minutes. Prerequisite: VPF 332-333 or permission of Department Chair.

VPF 433 Post-Production Workshop **Three credit hours**
Students screen their work, participate in editorial and critique discussions, and explore the entire post-production process (editing, sound, Foley, and music). There are guest visits and forums when possible. Prerequisite: VPF 431 or permission of Department Chair.

VPF 434 Narrative Workshop **Three credit hours**
Students work collaboratively in crews of four to produce up to five dramatic films. Each student works in one basic role (director, producer, camera, sound, and art direction) on each film, but is exposed to the broad spectrum of the whole production experience. (Prerequisite VPF 433 or permission of Department Chair)

VPG 230 Basic Design **Three credit hours**

A course designed to acquaint students with the basic skills for design principles of draftsmanship, color scheme, line quality, value scale, perspective, and compositional arrangement. Materials explored in this course include acrylic and water color paints, charcoal, black ink, graphite, and markers. (Formerly ART 130)

VPG 233 Photojournalism I **Three credit hours**

An introduction to the use of the camera as a creative tool with focus on darkroom practices, film developing, and printing. Emphasizes photography as a creative medium for personal expression. A laboratory fee may be required. Prerequisite: VPA 230.

VPG 235 Graphic Design I **Three credit hours**

Basic course in visual concepts and design techniques. A laboratory fee may be required. Same as COM 235. Prerequisite: VPG 232 or permission of Department Chair.

VPG 333 Photojournalism II **Three credit hours**

Advanced course in composition and use of lighting for print and slide photography. Same as COM 234. Prerequisite: PA 231, VPG 233 (formerly ART 231), or permission of Department Chair.

VPG 334 Introduction to Graphic Production **Three credit hours**

Introduction to basic graphics skill, including design concepts, typography, color theory, technical vocabulary, and proper use of tools and equipment. Emphasis is on the development of hand skills leading to the use of computers and on software used in the production of graphic artwork. Prerequisite: VPA 231, VPG 230 (formerly ART 130), or permission of Department Chair.

VPG 336 Graphic Design II **Three credit hours**

Advanced course in visual concepts and design techniques for electronic and print media. A laboratory fee may be required. Same as COM 236. Prerequisite: VPG 232, VPG 235, or permission of Department Chair.

VPG 340 Photography II **Three credit hours**

An intermediate course continuing the investigation into black and white photographic techniques. Panning, zooming, multiple exposures, and the creative use of different developers, films, and papers are stressed as well as darkroom manipulation of the image. Prerequisites: VPA 230 and VPG 233.

VPG 341 Digital Photographic Techniques I **Three credit hours**

This is an introductory course to color photography in a digital photographic environment. Through the use of Adobe Photoshop, archival printing,. and their own personal cameras, students learn to treat the computer as if it were a darkroom. Students should start the class with an understanding of camera basics and photography as a medium.

VPG 342 Alternative Photographic Film Processes Three credit hours
This is an advanced photography course that emphasizes the experimental nature of photography. Students explore non-traditional materials and alternative photographic technique and experiment with various types of films and papers. The course is about learning the limits of photographic materials and thinking outside the typical photographic framework. Prerequisites: VPA 230, VPG 233, and VPG 340.

VPG 343 Studio Lighting Three credit hours
This is an intensive studio course in photographic lighting techniques. Through demonstrations and lectures, students learn how to use artificial lighting within the context of commercial and artistic application. The course includes techniques in location lighting, portrait, still life, editorial, and fine art photography. There is an emphasis on creative visual communication through commercial and technical application. Prerequisites: VPA 230 and VPG 233

VPG 433 Animation I Three credit hours
An introduction to the basic principles of animation to develop an understanding of character and performance. Emphasis on the analysis of actions. Drawing proficiency is required. Prerequisites: VPG 232, VPG 235, or permission of Department Chair.

VPG 434 Digital Photographic Techniques II Three credit hours
This is a continuation course in digital color photography and focuses on the development of the photographer's creative eye by examining contemporary color photography and completing more complex photographic exercises. Prerequisites: VPA 230 and VPG 341.

VPG 437 Design III Three credit hours
Advanced course in visual concepts and design techniques for electronic and print media incorporating the use of computer design tools. Prerequisite: VPG 235 and VPG 336

VPS 134 African-American Art History Three credit hours
A supplement to regular mainstream approaches in teaching American art history. Acquaints students with the distinguished creative output of persons of African-American backgrounds. Examines some two hundred years of Black creative efforts. Formerly ART 134.

VPS 233 Art Appreciation Three credit hours
A survey of styles, themes, and movements in Western art from prehistoric cave painting to developments in the twenty-first century. Formerly ART 231.

VPS 332 Drawing Three credit hours
Advanced compositions including landscape, portrait work, complex

still life drawing and conceptual compositions. Prerequisite VPA 231, VPG 230, or permission of Department Chair)

VPS 333 Painting I **Three credit hours**
A course designed to acquaint students with the basic skills for design principles of painting, color scheme, line quality, value scale, perspective, and compositional arrangement. Formerly ART 136. Prerequisite: VPA 231, VPG 230, or permission of Department Chair)

VPS 334 Painting II **Three credit hours**
Advanced compositions, such as appropriating known styles and artists, landscape paintings, portrait work, still life, and conceptual compositions. Prerequisite: VPS 333 or permission of Department Chair.

VPS 432 Figure Drawing **Three credit hours**
Training in rendering the natural human form (skeletal form, inner muscular structure, and outer form). Prerequisite: VPS 332 or permission of Department Chair.

VPS 433 Illustration Media **Three credit hours**
Training in constructing visual conceptual compositions. Mixed media, graffiti art, advanced design compositions, concepts, logo branding, and the correlations to digital production and web designs and illustration. Prerequisite: VPS 334 or permission of Department Chair.

VPS 434 Studio Sculpture **Three credit hours**
Study and application of three-dimensional forms of art utilizing clay, glaze, slip, slab, kilns, plaster, iron oxide dye, and glass. Includes discussion, critique, process, and development of three-dimensional forms of art. Prerequisite: VPS 334 or permission of Department Chair.

VPT 232 Introduction to Theatre **Three credit hours**
A comprehensive survey of the history and theory of theatre from Classical to modern times. Emphasis on performance. (Formerly DRA 232)

VPT 233 Acting **Three credit hours**
An introduction to the theory and practice of acting, focusing on voice and diction, characterization, improvisation, and role playing. Prerequisite: VPA 231 or permission of Department Chair.

VPT 333 Drama Workshop **Three credit hours**
A practical course in the staging of plays. Attention is given to acting, lighting, costuming, make-up, scene design, and other aspects of the art. Lecture and workshop. May be repeated once for credit. Formerly DRA 333. Prerequisite: VPA 231 or permission of Department Chair.

VPT 330 African-American Film History **Three credit hours**

An historical and critical study of the Black image in American films from the Silent Era to the present, as well as the history of Black commercial and independent filmmaking including production, distribution, and popular and critical reception. Students study select works representative of the major genres and eras in African-American film history. Formerly DRA 330.

VPT 334 Playwriting **Three credit hours**

A practical course in writing for the stage. Prerequisite: VPA 233 or permission of Department Chair.

VPT 433 Modern Drama **Three credit hours**

Extensive reading and study in representative works by modern European and American dramatists. Attention given to purpose. Same as ENG 433 and formerly DRA 433. Prerequisite VPA 231 or permission of Department Chair.

VPT 434 Directing **Three credit hours**

A practical course in directing for the stage. Emphasis is placed on script selection, analysis, preparation, casting, staging, and design, culminating in a one-act play presented at the end of the semester. Prerequisite VPT 233, VPT 333 (formerly DRA 333), or permission of Department Chair.

VPT 435 Technical Theatre I **Three credit hours**

Emphasizes technical aspects of performance with particular attention on stage/set design. Prerequisite: VPA 333 (formerly DRA 333) or permission of Department Chair.

VPT 436 Technical Theatre II **Three credit hours**

Emphasis is on technical aspects of performance with particular attention to light/sound design. Prerequisite: VPT 333 (formerly DRA 333) or permission of Department Chair.

COURSE CURRICULA

The following curricula represent examples of a course of study:

DEPARTMENT OF BUSINESS ADMINISTRATION AND ECONOMICS

ACCOUNTING

Curriculum Requirements	
	Liberal Studies Program
Accounting Concentration Courses	21
General Education Courses	51
Business Core	49
Total Electives	3
Total Hours to Complete Degree	124
Additional Requirements	
Learning Across the Curriculum Courses	18 Credit Hours
Community Service	40 Hours
Lyceum Event Credits	8 Events
Senior Paper	No page limit; formal oral presentation
Student Progress Checklist	
Liberal Studies Courses	
Course	Credit Hours
ORT 111	1
ORT 112	1
ENG 131	3
ENG 132	3
LS 130	3
LS 135	3
LS 235	3
LS 238	3
LS 239	3
COM 130	3
CSC 131	3
HED 121	2
MTH	3
MTH	3
ARA, CHI, FRE, LAT or SPA 131	3
ARA, CHI, FRE, LAT or SPA 132	3

PED 020-129	2
HUM GROUP	3
ENG 232	3
TOTAL	51
BUSINESS CORE REQUIREMENTS	
ACC 235	3
ACC 236	3
BUS 233	3
BUS 234	3
BAF 330	3
BUS 336	3
BUS 339	3
BUS 410	1
BUS 433	3
BUS 435	3
BUS 460	3
ECO 231	3
ECO 232	3
MGT 333	3
MGT 334	3
MKT 331	3
International Business Elective	3
TOTAL	49
ACCOUNTING CONCENTRATION REQUIREMENTS	
ACC 335	3
ACC 336	3
ACC 337	3
ACC 339	3
ACC 435	3
ACC 437	3
ACC 439	3
TOTAL	21
TOTAL ELECTIVES	3
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	124

BANKING AND FINANCE

Curriculum Requirements	
	Liberal Studies Program
Banking and Finance Concentration Courses	21
General Education Courses	51
Business Core	49
Total Electives	3
Total Hours to Complete Degree	124
Additional Requirements	
Learning Across the Curriculum Courses	18 Credit Hours
Community Service	40 Hours
Lyceum Event Credits	8 Events
Senior Paper	No page limit; formal oral presentation
Student Progress Checklist	
Liberal Studies Courses	
Course	Credit Hours
ORT 111	1
ORT 112	1
ENG 131	3
ENG 132	3
LS 130	3
LS 135	3
LS 235	3
LS 238	3
LS 239	3
COM 130	3
CSC 131	3
HED 121	2
MTH	3
MTH	3
ARA, CHI, FRE, LAT or SPA 131	3
ARA, CHI, FRE, LAT or SPA 132	3
PED 020-129	2
HUM GROUP	3
ENG 232	3
TOTAL	51

BUSINESS CORE REQUIREMENTS	
ACC 235	3
ACC 236	3
BUS 233	3
BUS 234	3
BAF 330	3
BUS 335	3
BUS 339	3
BUS 410	1
BUS 433	3
BUS 435	3
BUS 460	3
ECO 231	3
ECO 232	3
MGT 333	3
MGT 334	3
MKT 331	3
International Business Elective	3
TOTAL	49
BANKING AND FINANCE CONCENTRATION REQUIREMENTS	
BAF 331	3
BAF 332	3
BAF 333	3
BAF 339	3
BAF 430	3
BAF 431	3
BAF 432	3
TOTAL	21
TOTAL ELECTIVES	3
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	124

ECONOMICS

Curriculum Requirements	
	Liberal Studies Program
Economics Major Courses	18
General Education Courses	51

Business Core	49
Total Electives	4
Total Hours to Complete Degree	122
Additional Requirements	
Learning Across the Curriculum Courses	18 Credit Hours
Community Service	40 Hours
Lyceum Event Credits	8 Events
Senior Paper	No page limit; formal oral presentation
Student Progress Checklist	
Liberal Studies Courses	
Course	Credit Hours
ORT 111	1
ORT 112	1
ENG 131	3
ENG 132	3
LS 130	3
LS 135	3
LS 235	3
LS 238	3
LS 239	3
COM 130	3
CSC 131	3
HED 121	2
MTH	3
MTH	3
ARA, CHI, FRE, LAT or SPA 131	3
ARA, CHI, FRE, LAT or SPA 132	3
PED 020-129	2
HUM GROUP	3
ENG 232	3
TOTAL	51
BUSINESS CORE REQUIREMENTS	
ACC 235	3
ACC 236	3
BUS 233	3
BUS 234	3
BAF 330	3
BUS 335	3

BUS 339	3
BUS 410	1
BUS 433	3
BUS 435	3
BUS 460	3
ECO 231	3
ECO 232	3
MGT 333	3
MGT 334	3
MKT 331	3
International Business Elective	3
TOTAL	49
ECONOMIC MAJOR REQUIREMENTS	
ECO 335	3
ECO 336	3
BAF 331	3
ECO 334	3
Choose 2 of the 4 courses below	
ECO 432	3
ECO 437	3
BAF 432	3
ECO 438	3
TOTAL	18
TOTAL ELECTIVES	4
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	122

INTERNATIONAL BUSINESS

Curriculum Requirements	
	Liberal Studies Program
International Business Concentration Courses	15
Intermediate/Advanced Foreign Languages Courses	9
General Education Courses	51
Business Core Courses	46
Total Electives	6
Total Hours to Complete Degree	127

Additional Requirements	
Learning Across the Curriculum Courses	18 Credit Hours
Community Service	40 Hours
Lyceum Event Credits	8 Events
Senior Paper	No page limit; formal oral presentation
Student Progress Checklist	
Liberal Studies Courses	
Course	Credit Hours
ORT 111	1
ORT 112	1
ENG 131	3
ENG 132	3
LS 130	3
LS 135	3
LS 235	3
LS 238	3
LS 239	3
COM 130	3
CSC 131	3
HED 121	2
MTH	3
MTH	3
ARA, CHI, FRE, LAT or SPA 131	3
ARA, CHI, FRE, LAT or SPA 132	3
PED 020-129	2
HUM GROUP	3
ENG 232	3
TOTAL	51
BUSINESS CORE REQUIREMENTS	
ACC 235	3
ACC 236	3
BUS 233	3
BUS 234	3
BAF 330	3
BUS 335	3
BUS 339	3
BUS 410	1
BUS 433	3

BUS 435	3
BUS 460	3
ECO 231	3
ECO 232	3
MGT 333	3
MGT 334	3
MKT 331	3
TOTAL	46
INTERNATIONAL BUSINESS CONCENTRATION REQUIREMENTS	
ACC 331	3
BAF 334	3
ECO 334	3
MGT 438	3
MKT 435	3
TOTAL	15
INTERMEDIATE & ADVANCED FOREIGN LANGUAGE REQUIREMENTS	
SPA 231 or FRE 231	3
SPA 232 or FRE 232	3
SPA 331 or FRE 233	3
TOTAL	9
TOTAL ELECTIVES	6
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	127

MANAGEMENT

Curriculum Requirements	
	Liberal Studies Program
Management Concentration Courses	15
General Education Courses	51
Business Core	49
Total Electives	7
Total Hours to Complete Degree	122
Additional Requirements	
Learning Across the Curriculum Courses	18 Credit Hours
Community Service	40 Hours
Lyceum Event Credits	8 Events
Senior Paper	No page limit; formal oral presentation

Student Progress Checklist	
Liberal Studies Courses	
Course	Credit Hours
ORT 111	1
ORT 112	1
ENG 131	3
ENG 132	3
LS 130	3
LS 135	3
LS 235	3
LS 238	3
LS 239	3
COM 130	3
CSC 131	3
HED 121	2
MTH	3
MTH	3
ARA, CHI, FRE, LAT or SPA 131	3
ARA, CHI, FRE, LAT or SPA 132	3
PED 020-129	2
HUM GROUP	3
ENG 232	3
TOTAL	51
BUSINESS CORE REQUIREMENTS	
ACC 235	3
ACC 236	3
BUS 233	3
BUS 234	3
BAF 330	3
BUS 335	3
BUS 339	3
BUS 410	1
BUS 433	3
BUS 435	3
BUS 460	3
ECO 231	3
ECO 232	3
MGT 333	3

MGT 334	3
MKT 331	3
International Business Elective	3
TOTAL	49
MANAGEMENT CONCENTRATION REQUIREMENTS	
MGT 335	3
MGT 336	3
MGT 339	3
MGT 436	3
MGT 440	3
TOTAL	15
TOTAL ELECTIVES	7
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	122

MANAGEMENT INFORMATION SYSTEMS

Curriculum Requirements	
	Liberal Studies Program
Information Technology Concentration Courses	18
Calculus	3
General Education Courses	51
Business Core Courses	49
Total Electives	6
Total Hours to Complete Degree	127
Additional Requirements	
Learning Across the Curriculum Courses	18 Credit Hours
Community Service	40 Hours
Lyceum Event Credits	8 Events
Senior Paper	No page limit; formal oral presentation
Student Progress Checklist	
Liberal Studies Courses	
Course	Credit Hours
ORT 111	1
ORT 112	1
ENG 131	3
ENG 132	3

LS 130	3
LS 135	3
LS 235	3
LS 238	3
LS 239	3
COM 130	3
CSC 131	3
HED 121	2
MTH	3
MTH	3
ARA, CHI, FRE, LAT or SPA 131	3
ARA, CHI, FRE, LAT or SPA 132	3
PED 020-129	2
HUM GROUP	3
ENG 232	3
TOTAL	51
BUSINESS CORE REQUIREMENTS	
ACC 235	3
ACC 236	3
BUS 233	3
BUS 234	3
BAF 330	3
BUS 335	3
BUS 339	3
BUS 410	1
BUS 433	3
BUS 435	3
BUS 460	3
ECO 231	3
ECO 232	3
MGT 333	3
MGT 334	3
MKT 331	3
International Business Elective	3
TOTAL	49
INFORMATION TECHNOLOGY CONCENTRATION REQUIREMENTS	
CSC 231	3
CSC 233	3
CSC 330	3

CSC 333	3
CSC 334	3
CSC 439	3
TOTAL	18
MATHEMATICS REQUIREMENTS	
MTH 231	3
TOTAL	3
TOTAL ELECTIVES	6
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	127

MARKETING

Curriculum Requirements	
	Liberal Studies Program
Marketing Concentration Courses	18
General Education Courses	51
Business Core	49
Total Electives	4
Total Hours to Complete Degree	122
Additional Requirements	
Learning Across the Curriculum Courses	18 Credit Hours
Community Service	40 Hours
Lyceum Event Credits	8 Events
Senior Paper	No page limit; formal oral presentation
Student Progress Checklist	
Liberal Studies Courses	
Course	Credit Hours
ORT 111	1
ORT 112	1
ENG 131	3
ENG 132	3
LS 130	3
LS 135	3
LS 235	3
LS 238	3
LS 239	3

COM 130	3
CSC 131	3
HED 121	2
MTH	3
MTH	3
ARA, CHI, FRE, LAT or SPA 131	3
ARA, CHI, FRE, LAT or SPA 132	3
PED 020-129	2
HUM GROUP	3
ENG 232	3
TOTAL	51
BUSINESS CORE REQUIREMENTS	
ACC 235	3
ACC 236	3
BUS 233	3
BUS 234	3
BAF 330	3
BUS 335	3
BUS 339	3
BUS 410	1
BUS 433	3
BUS 435	3
BUS 460	3
ECO 231	3
ECO 232	3
MGT 333	3
MGT 334	3
MKT 331	3
International Business Elective	3
TOTAL	49
MARKETING CONCENTRATION REQUIREMENTS	
MKT 332	3
MKT 334	3
MKT 335	3
MKT 350	3
MKT 430	3
MKT 432	3
TOTAL	18

TOTAL ELECTIVES	4
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	122

RETAIL MANAGEMENT

Curriculum Requirements	
	Liberal Studies Program
Retail Management Concentration Courses	21
General Education Courses	51
Business Core	49
Total Electives	6
Total Hours to Complete Degree	127
Additional Requirements	
Learning Across the Curriculum Courses	18 Credit Hours
Community Service	40 Hours
Lyceum Event Credits	8 Events
Senior Paper	No page limit; formal oral presentation
Student Progress Checklist	
Liberal Studies Courses	
Course	Credit Hours
ORT 111	1
ORT 112	1
ENG 131	3
ENG 132	3
LS 130	3
LS 135	3
LS 235	3
LS 238	3
LS 239	3
COM 130	3
CSC 131	3
HED 121	2
MTH	3
MTH	3
ARA, CHI, FRE, LAT or SPA 131	3
ARA, CHI, FRE, LAT or SPA 132	3
PED 020-129	2

HUM GROUP	3
ENG 232	3
TOTAL	51
BUSINESS CORE REQUIREMENTS	
ACC 235	3
ACC 236	3
BUS 233	3
BUS 235	3
BAF 330	3
BUS 335	3
BUS 339	3
BUS 410	1
BUS 433	3
BUS 435	3
BUS 460	3
ECO 231	3
ECO 232	3
MGT 333	3
MGT 334	3
MKT 331	3
International Business Elective	3
TOTAL	49
RETAIL MANAGEMENT CONCENTRATION REQUIREMENTS	
MKT 334	3
MKT 335	3
MKT 336	3
MKT 350	3
MKT 430	3
MKT 431	3
MGT 336	3
TOTAL	21
TOTAL ELECTIVES	6
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	127

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

INFORMATION SYSTEMS ENGINEERING

Curriculum Requirements	
	Liberal Studies Program
Core Requirements	21
General Education	52
Computer Science Courses	9
Computer Engineering Courses	18
Electives Courses	12
Additional Requirements	13
Total Hours to Complete Degree	125
Additional Requirements	
Learning Across the Curriculums Courses	18 Credit Hours
Community Service	40 Hours
Lyceum Event Credits	8 Events
Senior Paper	No page limit; formal oral presentation

GRADUATION REQUIREMENTS CHECK LIST FOR INFORMATION SYSTEM ENGINEERING (ISE)

Student Progress Checklist	
Liberal Studies Courses	
Course	Credit Hours
ORT 111	1
ORT 112	1
ENG 131	3
ENG 132	3
PHY 243 replacing LS 135	4
LS 130	3
LS 235	3
LS 238	3
LS 239	3
COM 130	3
CSC 131	3
HED 121	2
MTH	3
MTH	3

ARA, CHI, FRE, LAT or SPA 131	3
ARA, CHI, FRE, LAT or SPA 132	3
PED 020-129	2
HUM GROUP	3
ENG 232	3
TOTAL	52

GRADUATION REQUIREMENTS CHECK LIST
FOR INFORMATION SYSTEM ENGINEERING (ISE)

2. Major Requirements	
CSE 138	3
CSC 231	3
CSC 232	3
CSC 234	3
CSC 333	3
CSC 439	3
CSE 430	3
Group I	9
Group II	18
Group III	12
Additional Requirements	13
TOTAL	73
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	125

COMPUTER ENGINEERING

Curriculum Requirements	
	Liberal Studies Program
Core Requirements	21
General Education	51
Computer Engineering Courses	27
Electives Courses	6
Additional Requirements	23
Total Hours to Complete Degree	128
Additional Requirements	
Learning Across the Curriculums Courses	18 Credit Hours
Community Service	40 Hours
Lyceum Event Credits	8 Events
Senior Paper	No page limit; formal oral presentation

COMPUTER ENGINEERING

GRADUATION REQUIREMENTS CHECK LIST FOR COMPUTER ENGINEERING (CE)

Student Progress Checklist	
Liberal Studies Courses	
Course	Credit Hours
ORT 111	1
ORT 112	1
ENG 131	3
ENG 132	3
LS 130	3
CHEM 131 Replaces LS 135	3
LS 235	3
LS 238	3
LS 239	3
COM 130	3
CSC 131	3
HED 121	2
MTH 231	3
MTH 232	3
ARA, CHI, FRE, LAT or SPA 131	3
ARA, CHI, FRE, LAT or SPA 132	3
PED 020-129	2
HUM GROUP	3
ENG 232	3
TOTAL	51

GRADUATION REQUIREMENTS CHECK LIST FOR COMPUTER ENGINEERING (CE)

2 Major Requirements	
CSE 138	3
CSC 231	3
CSC 232	3
CSC 234	3
CSC 333	3
CSC 439	3
CSE 430	3
Group I	27
Group II	6

Group III	23
TOTAL	77
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	128

COMPUTER SCIENCE/INFORMATION SYSTEMS

Curriculum Requirements	
	Liberal Studies Program
Core Requirements	21
General Education	51
Computer Science Courses	18
BUS, MKT, MGT, & ACC Courses	18
Electives Courses	12
Additional Requirements	6
Total Hours to Complete Degree	126
Additional Requirements	
Learning Across the Curriculums Courses	18 Credit Hours
Community Service	40 Hours
Lyceum Event Credits	8 Events
Senior Paper	No page limit; formal oral presentation
Student Progress Checklist	
Liberal Studies Courses	
Course	Credit Hours
ORT 111	1
ORT 112	1
ENG 131	3
ENG 132	3
LS 130	3
LS 135	3
LS 235	3
LS 238	3
LS 239	3
COM 130	3
CSC 131	3
HED 121	2
MTH	3
MTH	3

ARA, CHI, FRE, LAT or SPA 131	3
ARA, CHI, FRE, LAT or SPA 132	3
PED 020-129	2
HUM GROUP	3
ENG 232	3
TOTAL	51

2 Major Requirements	
CSE 138	3
CSC 231	3
CSC 232	3
CSC 234	3
CSC 333	3
CSC 439	3
CSE 430	3
Group I	18
Group II	18
Group III	12
MTH 136	3
MTH 231	3
TOTAL	75
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	126

DEPARTMENT OF EDUCATION

ELEMENTARY EDUCATION

Curriculum Requirements	
	Liberal Studies Program
Elementary Major Courses	39
General Education Courses	51
Other Required Courses	3
Professional Education Courses	31
Total Hours to Complete Degree	124
Additional Requirements	
Learning Across the Curriculum Courses	18 Credit Hours
Community Service	40 Hours
Lyceum Event Credits	8 Events
Senior Paper	25-page min. with formal oral presentation

Student Progress Checklist for Elementary Majors	
Liberal Studies Courses	
Course	Credit Hours
ORT 111	1
ORT 112	1
ENG 131	3
ENG 132	3
LS 130	3
LS 135	3
LS 235	3
LS 237-238	6
COM 130	3
CSC 131	3
HED 121	2
MTH 131 or above	3
MTH 132 or above	3
ARA, CHI, FRE, LAT or SPA 131	3
ARA, CHI, FRE, LAT or SPA 132	3
PED 125	2
HUM GROUP	3

ENG 232	3
TOTAL	51

PSY 131	3
EDU 230	3
PSY 235	3
PSY 239	3

EDU 235	3
HIST 231	3
HED 332	3
SCE 330	3
MTH 337	2
MTH 338	3
EDU 296	3
EDU 332	3
EDU 311	1
EDU 337	3
EDU 432	3
EDU 433	3
EDU 437	3
EDU 438	3
MTH 494	3
EDU 463	6
EDU 493	12
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	124

DEPARTMENT OF HEALTH AND HUMAN PERFORMANCE

SCHOOL HEALTH

Health Education – School Health Curriculum Requirements	
	Liberal Studies Students
Health Education Core Courses	27
Discipline-specific Core Courses	15
Professional Education Core Courses	33
General Education Courses	51
Total Hours to Complete Degree	126
Additional Requirements	
Learning Across the Curriculum Courses	18 Credit Hours s
Community Service	40 Hours
Lyceum Event Credits	8 Events
Senior Paper	20-page min. with formal oral presentation
Student Progress Checklist	
Liberal Studies Courses	
Course	Credit Hours
ORT 111	1
ORT 112	1
ENG 131	3
ENG 132	3
LS 130	3
LS 135 (substitution for BIO 143)	X
LS 235	3
LS 238	3
LS 239	3
COM 130	3
CSC 131	3
HED 121	2
MTH	3
MTH	3
ARA, CHI, FRE, LAT or SPA 131	3
ARA, CHI, FRE, LAT or SPA 132	3
PED 020-129	2
HUM GROUP	3

ENG 232	3
TOTAL	48
Student Progress Checklist	
Liberal Studies Courses	
Course	Credit Hours
PSY 131	3
BIO 143 (substitutes for LS 135)	4
HED 233	3
HED 234	3
HED 230	3
EDU 230	3
HED 232	3
HED 231	3
HED 235	3
PSY 237	3
PSY 239	3
PSY 296	3
BIO 240	4
HED 338	3
HED 332	3
HED 333	3
HED 430	3
HED 434	3
EDU 312	1
EDU 431	3
EDU 435	3
EDU 491 or 492	12
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	126

COMMUNITY HEALTH

Health Education – Community Health Curriculum Requirements	
	Liberal Studies Students
Health Education Core Courses	27
Discipline-specific Core Courses	27
Elective Courses	18
General Education Courses	51
Total Hours to Complete Degree	126

Additional Requirements	
Learning Across the Curriculum Courses	18 Credit Hours
Community Service	40 Hours
Lyceum Event Credits	8 Events
Senior Paper	20-page min. with formal oral presentation
Community Health Education Student Progress Checklist	
Liberal Studies Courses	
Course	Credit Hours
ORT 111	1
ORT 112	1
ENG 131	3
ENG 132	3
LS 130	3
LS 135 (BIO 143 substitutes)	X
LS 235	3
LS 238	3
LS 239	3
COM 130	3
CSC 131	3
HED 121	2
MTH	3
MTH	3
ARA, CHI, FRE, LAT or SPA 131	3
ARA, CHI, FRE, LAT or SPA 132	3
PED 020-129	2
HUM GROUP	3
ENG 232	3
TOTAL	48
Student Progress Checklist	
Liberal Studies Courses	
Course	Credit Hours
BIO 143 (substitutes for LS 135)	4
HED 233	3
HED 234	3
HED 230	3
HED 232	3
HED 231	3

HED 235	3
BIO 240	4
HED 335	3
HED 336	3
HED 338	3
HED 334	3
HED 430	3
HED 433	3
HED 434	3
EDU 312	1
HED 435	3
HED 436	3
HED 437	3
Elective Hours	17
Total	57
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	122

SPORT MANAGEMENT

Curriculum Requirements	
	Liberal Studies Students
Sport Management Core Courses	12
General Management Core Courses	12
Professional Sport Management Courses	30
Elective Courses	17
General Education Courses	51
Total Hours to Complete Degree	122
Additional Requirements	
Learning Across the Curriculum Courses	18 Credit Hours
Community Service	40 Hours
Lyceum Event credits	8 Events
Senior Paper	20-page min. with formal oral presentation
Sport Management Student Progress Checklist	
Liberal Studies Courses	
Course	Credit Hours
ORT 111	1
ORT 112	1

ENG 131	3
ENG 132	3
LS 130	3
LS 135	3
LS 235	3
LS 238	3
LS 239	3
COM 130	3
CSC 131	3
HED 121	2
MTH	3
MTH	3
ARA, CHI, FRE, LAT or SPA 131	3
ARA, CHI, FRE, LAT or SPA 132	3
PED 020-129	2
HUM GROUP	3
ENG 232	3
TOTAL	51
Sport Management Student Progress Checklist	
PED 230	3
SPM 233	3
SPM 331	3
SPM 333	3
SPM 334	3
SPM 337	3
SPM 338	3
SPM 339	3
SPM 340	3
PED 430	3
SPM 433	3
SPM 434	3
SPM 435	3
SPM 436	3
ACC 235	3
MKT 331	3
MKT 334	3
MKT 335	3
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	122

PHYSICAL EDUCATION TEACHER EDUCATION

Physical Education – Teacher Education Curriculum Requirements	
	Liberal Studies Students
Physical Education Core Courses	19
PE – Teacher Education Core Courses	22
Professional Education Courses	33
General Education Courses	51
Total Hours to Complete Degree	125
Additional Requirements	
Learning Across the Curriculum Courses	18 Credit Hours
Community Service	40 Hours
Lyceum Event Credits	8 Events
Senior Paper	20-page min. with formal oral presentation
Physical Education Teacher Education Student Progress Checklist	
Liberal Studies Courses	
Course	Credit Hours
ORT 111	1
ORT 112	1
ENG 131	3
ENG 132	3
LS 130	3
LS 135	3
LS 235 (BIO 143 will substitute)	3
LS 238	3
LS 239	3
COM 130	3
CSC 131	3
HED 121	2
MTH	3
MTH	3
ARA, CHI, FRE, LAT or SPA 131	3
ARA, CHI, FRE, LAT or SPA 132	3
PED 020-129	2
HUM GROUP	3
ENG 232	3
TOTAL	51

Physical Education Teacher Education Student Progress Checklist	
Liberal Studies Courses	
Course	Credit Hours
PSY 131	3
BIO 143	4
PED 224	2
PED 230	3
EDU 230	3
PED 232	3
PED 336	2
PED 337	2
PED 335	3
PSY 237	3
PSY 239	3
PSY 296	3
BIO 240	4
HED 327	2
PED 338	3
PED 332	3
PED 430	3
PED 431	3
PED 432	3
HED 434	3
EDU 312	1
EDU 431	3
EDU 435	3
EDU 491 or 492	12
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	125

DEPARTMENT OF INTERDISCIPLINARY STUDIES, PHILOSOPHY AND RELIGION

INTERDISCIPLINARY STUDIES

Curriculum Requirements	
	Liberal Studies Program
Interdisciplinary Studies Major	54
General Education Courses	51
Total Electives, or a Minor	17
Total Hours to Complete Degree	122
Additional Requirements	
Learning Across the Curriculum Courses	18 Credit Hours
Community Service	40 Hours
Lyceum Event Credits	8 Events
Senior Paper	20 pages with formal oral presentation

Student Progress Checklist	
Liberal Studies Courses	
Course	Credit Hours
ORT 111	1
ORT 112	1
ENG 131	3
ENG 132	3
LS 130	3
LS 135	3
LS 235	3
LS 238	3
LS 239	3
COM 130	3
CSC 131	3
HED 121	2
MTH	3
MTH	3
ARA, CHI, FRE, LAT or SPA 131	3
ARA, CHI, FRE, LAT or SPA 132	3
PED 020-129	2
HUM GROUP	3
ENG 232	3

TOTAL	51

IDS 216	1
IDS 217	1
IDS 318	1
IDS 331	3
IDS 431	3
ENG 233, COM 231, COM 240	3
Concentration A*	18
Concentration B*	18
Discipline related elective I**	3
Discipline related elective II**	3
TOTAL ELECTIVES, OR A MINOR	17
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	122

* Students working with the Interdisciplinary Studies advisor develop a course of studies that identifies the twelve courses that will fulfill the two concentrations. This, along with a personal statement, must be approved by the Department Chair, Dean, and Academic Vice President before it is filed with the Registrar's Office. The Course of Study is the student´s contract with the University about which courses will satisfy graduation requirements in the major.
** IDS 499: Internship 122 can substitute for a second discipline-related elective.

DEPARTMENT OF LANGUAGES AND LITERATURE

ENGLISH

Curriculum Requirements	
	Liberal Studies Program
English Major Courses	36
General Education Courses	51
Other Required Courses	6
Total Electives, or a Minor	32
Total Hours to Complete Degree	122
Additional Requirements	
Learning Across the Curriculum Courses	18 Credit Hours s
Community Service	40 Hours
Lyceum Event Credits	8 Events
Senior Paper	20-page min. with formal oral presentation

* Honors Program English Majors must also take ENG 232 World Literature.

Student Progress Checklist	
Liberal Studies Courses	
Course	Credit Hours
ORT 111	1
ORT 112	1
ENG 131	3
ENG 132	3
LS 130	3
LS 135	3
LS 235	3
LS 238	3
LS 239	3
COM 130	3
CSC 131	3
HED 121	2
MTH	3
MTH	3
ARA, CHI, FRE, LAT or SPA 131	3
ARA, CHI, FRE, LAT or SPA 132	3
PED 020-129	2
HUM GROUP	3

ENG 232	3
TOTAL	51

Student Progress Checklist	
Liberal Studies Courses	
ENG 234	3
ENG 333-334 or 335-336	6
ENG 339	3
ENG 491 or 493	3
ENG 439	3
ENG 490	3
Group I	3
Group II	3
Group III	3
Group IV	3
Group V	3
Foreign Language 231	3
Foreign Language 232	3
TOTAL ELECTIVES, OR A MINOR	29
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	122

ENGLISH EDUCATION

Curriculum Requirements	
	Liberal Studies Program
English Education Courses	70
General Education Courses	51
Other Required Courses	0
Total Electives, or a Minor	6
Total Hours to Complete Degree	127
Additional Requirements	
Learning Across the Curriculum Courses	18 Credit Hours s
Community Service	40 Hours
Lyceum Event Credits	8 Events
Senior Paper /Recital	20-page min. with formal oral presentation

Student Progress Checklist	
Liberal Studies Courses	
Course	Credit Hours
ORT 111	1
ORT 112	1
ENG 131	3
ENG 132	3
LS 130	3
LS 135	3
LS 235	3
LS 238	3
LS 239	3
COM 130	3
CSC 131	3
HED 121	2
MTH	3
MTH	3
Foreign Language 131	3
Foreign Language 132	3
PED 020-129	2
HUM GROUP	3
ENG 232	3
TOTAL	51

ENG 234	3
ENG 333-334	6
ENG 335-336	3
ENG 338	3
ENG 339	
ENG 429	3
ENG 439	3
ENG 490	3
ENG 491 or ENG 493	3
Foreign Language 231	3
Foreign Language 232	3
EDU 230	3
PSY 131	3
PSY 237	3

PSY 239	3
EDU 296	3
EDU 312	1
EDU 439	3
EDU 493	12
ELECTIVES	6
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	127

FRENCH

Curriculum Requirements	
	Liberal Studies Program
French Major Courses	33
General Education Courses	51
Other Required Courses	6
Total Electives, or a Minor	32
Total Hours to Complete Degree	122
Additional Requirements	
Learning Across the Curriculum Courses	18 Credit Hours s
Community Service	40 Hours
Lyceum Event Credits	8 Events
Senior Paper	20 pages with formal oral presentation
Student Progress Checklist	
Liberal Studies Courses	
Course	Credit Hours
ORT 111	1
ORT 112	1
ENG 131	3
ENG 132	3
LS 130	3
LS 135	3
LS 235	3
LS 238	3
LS 239	3
COM 130	3
CSC 131	3
HED 121	2

MTH	3
MTH	3
ARA, CHI, FRE, LAT or SPA 131	3
ARA, CHI, FRE, LAT or SPA 132	3
PED 020-129	2
HUM GROUP	3
ENG 232	3
TOTAL	51

FRE 231-232	6
FRE 331	3
FRE 332	3
FRE 333	3
FRE 334	3
FRE 390	3
FRE 430	3
FRE 490	3
FRE 431 or FRE 432	3
FRE 433 or FRE 434	3
FRE 435 or FRE 436	3
FRE 437, FRE 438 or FRE 439	3
TOTAL ELECTIVES, OR A MINOR	32
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	122

SPANISH WITH A CONCENTRATION IN CULTURE AND COMMUNICATION

Curriculum Requirements	
	Liberal Studies Program
Spanish with a Concentration in Culture and Communication Major Courses	33 plus SPA 231-232
General Education Courses	51
Other Required Courses	0
Total Electives, or a Minor	32
Total Hours to Complete Degree	122

Additional Requirements	
Learning Across the Curriculum Courses	18 Credit Hours
Community Service	40 Hours
Lyceum Event credits	8 Events
Senior Paper	20 pages with formal oral presentation
Student Progress Checklist	
Liberal Studies Courses	
Course	Credit Hours
ORT 111	1
ORT 112	1
ENG 131	3
ENG 132	3
LS 130	3
LS 135	3
LS 235	3
LS 238	3
LS 239	3
COM 130	3
CSC 131	3
HED 121	2
MTH	3
MTH	3
Foreign Language 131	3
Foreign Language 132	3
PED 020-129	2
HUM GROUP	3
ENG 232	3
TOTAL	51

SPA 231-232	6
SPA 330	3
SPA 331	3
SPA 334	3
SPA 338	3
SPA 390	3
SPA 430	3
SPA 490	3

SPA 490	3
SPANISH ELECTIVES	12
TOTAL ELECTIVES, OR A MINOR	32
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	122

SPANISH WITH A CONCENTRATION IN LANGUAGE AND LITERATURE

Curriculum Requirements	
	Liberal Studies Program
Spanish with a Concentration in Language and Literature Major Courses	33 plus SPA 231-232
General Education Courses	51
Other Required Courses	0
Total Electives, or a Minor	32
Total Hours to Complete Degree	122
Additional Requirements	
Learning Across the Curriculum Courses	18 Credit Hours
Community Service	40 Hours
Lyceum Event Credits	8 Events
Senior Paper	20 pages with formal oral presentation
Student Progress Checklist	
Liberal Studies Courses	
Course	Credit Hours
ORT 111	1
ORT 112	1
ENG 131	3
ENG 132	3
LS 130	3
LS 135	3
LS 235	3
LS 238	3
LS 239	3
COM 130	3
CSC 131	3
HED 121	2
MTH	3

MTH	3
Foreign Language 131	3
Foreign Language 132	3
PED 020-129	2
HUM GROUP	3
ENG 232	3
TOTAL	51

SPA 231-232	6
SPA 331	3
SPA 332	3
SPA 33	3
SPA 334	3
SPA 390	3
SPA 430	3
SPA 490	3
SPA 490	3
SPA 431 or SPA 432	3
SPA 433 OR SPA 434	3
SPA 435 OR SPA 436	3
SPA 437 OR SPA 438	3
TOTAL ELECTIVES, OR A MINOR	32
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	122

DEPARTMENT OF NATURAL SCIENCES AND MATHEMATICS

BIOLOGY

Biology Curriculum Requirements	
	Liberal Studies Program
Biology Major Courses	36
General Education Courses	48
Other Required Courses	27
Total Electives, or a Minor	11
Total Hours to Complete Degree	122
Additional Graduation Requirements	
Learning Across the Curriculum Courses	18 Credit Hours
Community Service	40 Hours
Lyceum Event credits	8 Events
Senior Paper	No page limit; formal oral presentation
Student Progress Checklist	
Liberal Studies Courses	
Course	Credit Hours
ORT 111	1
ORT 112	1
ENG 131	3
ENG 132	3
LS 130	3
LS 135[2]	0[2]
LS 235	3
LS 238	3
LS 239	3
COM 130	3
CSC 131	3
HED 121	2
MTH 231[1]	3
MTH 232/438[1]	3
ARA, CHI, FRE, LAT or SPA 131	3
ARA, CHI, FRE, LAT or SPA 132	3
PED 020-129	2

HUM GROUP	3
ENG 232	3
TOTAL	48

BIOLOGY MAJOR COURSES

Student Progress Checklist	
Liberal Studies Courses	
Course	Credit Hours
BIO 143	4
BIO 144	4
Organismal BIO	3[3]
Cell/Molecular BIO	3[3]
Population BIO	3[3]
4th Core BIO	3[3]
Advanced BIO I[4]	3[3]
Advanced BIO II[4]	3[3]
Advanced BIO III[4]	3[3]
NSC 218	1
NSC 219	1
NSC 318	1
NSC 319	1
NSC 419	1
NSC 429	2
TOTAL	36[3]

BIOLOGY MAJOR SUPPORT COURSES

Liberal Studies Courses	
Course	Credit Hours
CHE 111	1
CHE 112	1
CHE 131	3
CHE 132	3
CHE 211	1
CHE 212	1
CHE 231	3
CHE 232	3
CHE 333	3
PHY 241/3	4
PHY 242/4	4

TOTAL	27
TOTAL ELECTIVES OR A MINOR	11
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	122

[1] Specifically required by the Biology major at a minimum.
[2] Not taken by Science majors. Replaced by a required Science course. Credits counted in major.
[3] Minimum credits. May be more depending upon the specific Biology courses taken.
[4] Course must be BIO 300 level or higher unless permission is granted by the Department.

BIOLOGY-CHEMISTRY

Biology-Chemistry Double Major Curriculum Requirements	
	Liberal Studies Program
Biology Major Courses	29[2]
Chemistry Major Courses	35
Senior Paper Courses	7[1]
General Education Courses	48
Other Required Courses	11
Total Electives, or a Minor	0
Total Hours to Complete Dual Degree	130
Additional Graduation Requirements	
Learning Across the Curriculum Courses	18 Credit Hours
Community Service	40 Hours
Lyceum Event Credits	8 Events
Senior Paper	No page limit; formal oral presentation
Student Progress Checklist	
Liberal Studies Courses	
Course	Credit Hours
ORT 111	1
ORT 112	1
ENG 131	3
ENG 132	3
LS 130	3
LS 135[4]	0[4]
LS 235	3
LS 238	3
LS 239	3
COM 130	3

CSC 131	3
HED 121	2
MTH 231[1,3]	3
MTH 232[1,3]	3
ARA, CHI, FRE, LAT or SPA 131	3
ARA, CHI, FRE, LAT or SPA 132	3
PED 020-129	2
HUM GROUP	3
ENG 232	3
TOTAL	48

BIOLOGY MAJOR COURSES

BIO 143	4
BIO 144	4
Organismal BIO	3[7]
Cell/Molecular BIO	3[7]
Population BIO	3[7]
4th Core BIO	3[7]
Advanced BIO I[5]	3[5]
Advanced BIO II[5]	3[5]
Advanced BIO III[5]	3[5]
TOTAL	29[2]

CHEMISTRY MAJOR COURSES

CHE 111[1]	1
CHE 112[1]	1
CHE 131[1]	3
CHE 132[1]	3
CHE 211[1]	1
CHE 212[1]	1
CHE 231[1]	3
CHE 232[1]	3
CHE 333[1]	3
CHE 343	4
CHE 344	4
CHE 411	1
CHE 412	1
CHE 431	3
CHE 432	3
TOTAL	35

CHEMISTRY AND BIOLOGY SUPPORT COURSES

PHY 241/3[1]	4
PHY 242/4[1]	4
CSC	3
TOTAL	11

CHEMISTRY-BIOLOGY MAJOR SENIOR PAPER COURSES

NSC 218[1]	1
NSC 219[1]	1
NSC 318[1]	1
NSC 319[1]	1
NSC 419[1]	1
NSC 429[1]	2
TOTAL	7[1]
TOTAL ELECTIVES OR A MINOR	0[6]
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	130

[1] Common to both majors. (total of 32 credits)
[2] Minimum number of credits for this major. May be more depending upon courses taken.
[3] Minimum Mathematics courses required for the Chemistry major.
[4] Not taken by Science majors. Replaced by a required Science course. Credits counted in major.
[5] Course must be BIO 300 level or higher.
[6] Students taking a second major use their elective credits to complete this second major.
[7] Minimum credits in this area. May be as many as 16 total.

CHEMISTRY

Chemistry Curriculum Requirements	
	Liberal Studies Program
Chemistry Major Courses	42
General Education Courses	48
Other Required Courses	11
Total Electives, or a Minor	21
Total Hours to Complete Degree	122
Additional Graduation Requirements	
Learning Across the Curriculum Courses	18 Credit Hours
Community Service	40 Hours
Lyceum Event Credits	8 Events
Senior Paper	No page limit; formal oral presentation
Student Progress Checklist	

Liberal Studies Courses	
Course	Credit Hours
ORT 111	1
ORT 112	1
ENG 131	3
ENG 132	3
LS 130	3
LS 135[2]	0[2]
LS 235	3
LS 238	3
LS 239	3
COM 130	3
CSC 131	3
HED 121	2
MTH 231[1]	3
MTH 232[1]	3
ARA, CHI, FRE, LAT or SPA 131	3
ARA, CHI, FRE, LAT or SPA 132	3
PED 020-129	2
HUM group	3
ENG 232	3
TOTAL	48

CHEMISTRY MAJOR COURSES

CHE 111	1
CHE 112	1
CHE 131	3
CHE 132	3
CHE 211	1
CHE 212	1
NSC 218	1
NSC 219	1
CHE 231	1
CHE 232	1
NSC 318	2
NSC 319	1
CHE 333	3
CHE 343	4
CHE 344	4

CHE 411	1
CHE 412	1
CHE 431	3
CHE 432	3
NSC 419	1
NSC 429	2
TOTAL	*39*

CHEMISTRY MAJOR SUPPORT COURSES

PHY 241/3	4
PHY 242/4	4
CSC[3]	3
TOTAL	11
TOTAL ELECTIVES, OR A MINOR	21
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	122

[1] Minimum Mathematics courses required for the Chemistry major.
[2] Not taken by Science majors. Replaced by a required Science course. Credits counted towards major.
[3] Computer Science course above CSC 131 (CSC 231 recommended)

GENERAL SCIENCE

General Science Curriculum Requirements	
	Liberal Studies Program
Core Major Courses	50
General Education Courses	39[1,2]
Other Required Courses	22-25[3]
Total Electives, or a Minor	8-11[3]
Total Hours to Complete Degree	122
Additional Graduation Requirements	
Learning Across the Curriculum Courses	18 Credit Hours
Community Service	40 Hours
Lyceum Event Credits	8 Events
Senior Paper	No page limit; formal oral presentation

Student Progress Checklist	
Liberal Studies Courses	
Course	Credit Hours
ORT 111	1

ORT 112	1
ENG 131	3
ENG 132	3
LS 130	3
LS 235	3
LS 238	3
LS 239	3
COM 131	3
CSC 131[1]	0
HED 121	2
PED 020-129	2
MTH 137 or higher [1]	0
MTH 138 or higher[1]	0
ARA, CHI, FRE, LAT or SPA 131	3
ARA, CHI, FRE, LAT or SPA 132	3
HUM GROUP	3
ENG 232	3
LS 135[2]	0
TOTAL	39

GENERAL SCIENCE CORE MAJOR COURSES

BIO 143	4
BIO 144	4
BIO 241 or 242	4
CHE 111	1
CHE 112	1
CHE 131	3
CHE 132	3
CHE 211	1
CHE 231	3
PHY 241/3	4
PHY 242/4	4
MTH 137 or higher	3
MTH 138 or higher	3
CSC 131	3
CSC 132	3
CSC 231	3
CSC 232	3
TOTAL	50

ADDITIONAL REQUIRED COURSES IN AREA OF CONCENTRATION

BIO/CHE/MTH/CSC[4,5]	3[3]
BIO/CHE/MTH/CSC[4,5]	3[3]
BIO/CHE/MTH/CSC[4,5]	3[3]
BIO/CHE/MTH/CSC[4,5]	3[3]
BIO/CHE/MTH/CSC[4,5]	3[3]
TOTAL	15[3]

ADDITIONAL REQUIRED COURSES IN ANOTHER AREA

BIO/CHE/MTH/CSC[4]	3
TOTAL	3

SENIOR INVESTIGATIVE PAPER COURSES - SCIENCE

NSC 218	1
NSC 219	1
NSC 318	1
NSC 319	1
NSC 419	1
NSC 429	2
TOTAL	7[3]

SENIOR INVESTIGATIVE PAPER COURSES - MATHEMATICS

MTH 411	1
MTH 412	1
TOTAL	2[3]

SENIOR INVESTIGATIVE PAPER COURSES – COMPUTER SCIENCE

CSE 430	3[3]
TOTAL ELECTIVES OR A MINOR	8-13[3]
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	122

[1] Credits for MTH 137 and 138 and CSC 131 are counted in the core major section.
[2] Not taken by Science majors. Replaced by required Science course. Credits counted towards major.
[3] Variations in Credit Hours earned here (2-7 are required) will make the total required for the major vary. This will also affect the number of credits available for electives or minors.
[4] Courses must be a higher level than core General Science courses.
[5] CSC courses are specified as CSC 234, 331, 334, 335, and 439; however, substitutions may be approved by the Chair of the Computer Science and Engineering Department.

MATHEMATICS EDUCATION

Mathematics Education Curriculum Requirements	
	Liberal Studies Program
Math. Ed. Major Core Courses	34

General Education Courses	42[1,2]
Other Required Courses	43
Total Electives, or a Minor	3
Total Hours to Complete Degree	122
Additional Graduation Requirements	
Learning Across the Curriculum Courses	18 Credit Hours
Community Service	40 Hours
Lyceum Event Credits	8 Events
Senior Paper	No page limit; formal oral presentation
Student Progress Checklist	
Liberal Studies Courses	
Course	Credit Hours
ORT 111	1
ORT 112	1
ENG 131	3
ENG 132	3
LS 130	3
LS 235	3
LS 238-239	6
COM 130	3
CSC 131	3
HED 121	2
PED 020-129	2
MTH	0[1]
MTH	0[1]
ARA, CHI, FRE, LAT or SPA 131	3
ARA, CHI, FRE, LAT or SPA 132	3
HUM GROUP	3
ENG 232	3
LS 135[2]	0[2]
TOTAL	42

MATHEMATICS EDUCATION MAJOR CORE COURSES

MTH 231	3
MTH 232	3
MTH 331	3
MTH 332	3
MTH 333	3

MTH 335	3
MTH 336	3
MTH 411	1
MTH 412	1
MTH 414	1
MTH 432	3
PHY 243	4
CSC 231	3
TOTAL	34

MATHEMATICS COURSES SPECIFIC TO THE MATHEMATICS EDUCATION MAJOR

MTH 330	3
MTH 362	3
MTH 462	3
MTH 492	3
TOTAL	12

EDUCATION COURSES SPECIFIC TO THE MATHEMATICS EDUCATION MAJOR

EDU 230	3
EDU 296	3
EDU 312	1
EDU 439	3
EDU 463	3
EDU 493	12
TOTAL	25

PSYCHOLOGY COURSES SPECIFIC TO THE MATHEMATICS EDUCATION MAJOR[3]

PSY 237	3
PSY 239	3
TOTAL	6
TOTAL ELECTIVES, OR A MINOR	3
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	122

[1] Minimum Mathematics courses required for the Chemistry majo[r.]
[2] Not taken by Science majors. Replaced by a required Science course. Credits counted towards major.
[3] Computer Science course above CSC 131 (CSC 230 recommended)

MATHEMATICS

Mathematics Curriculum Requirements	
	Liberal Studies Program
Mathematics Major Courses	34
General Education Courses	42[1,2]
Other Required Courses	21
Total Electives, or a Minor	25
Total Hours to Complete Degree	122
Additional Graduation Requirements	
Learning Across the Curriculum Courses	18 Credit Hours
Community Service	40 Hours
Lyceum Event Credits	8 Events
Senior Paper	No page limit; formal oral presentation
Student Progress Checklist	
Liberal Studies Courses	
Course	Credit Hours
ORT 111	1
ORT 112	1
ENG 131	3
ENG 132	3
LS 130	3
LS 235	3
LS 238	3
LS 239	3
COM 130	3
CSC 131	3
HED 121	2
PED 020-129	2
MTH	0[1]
MTH	0[1]
ARA, CHI, FRE, LAT or SPA 131	3
ARA, CHI, FRE, LAT or SPA 132	3
HUM GROUP	3
ENG 232	3
LS 135[2]	0[2]
TOTAL	42

MATHEMATICS MAJOR CORE COURSES

MTH 231	3
MTH 232	3
MTH 331	3
MTH 332	3
MTH 333	3
MTH 335	3
MTH 336	3
MTH 411	1
MTH 412	1
MTH 414	1
MTH 432	3
PHY 243	4
CSC 231	3
TOTAL	34

COURSES SPECIFIC TO THE MATHEMATICS MAJOR

MTH 311	1
MTH 312	1
MTH 430	3
MTH 434	3
MTH 439	3
PHY 244	4
TOTAL	15

RESTRICTED MATHEMATICS ELECTIVES

Restricted MTH Elective	3
Restricted MTH Elective	3
TOTAL	6
TOTAL ELECTIVES, OR A MINOR	25
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	122

[1] Credits are counted in Mathematics Major Core Course Section.
[2] Not taken by Mathematics majors. Replaced by a required Science course. Credits counted in the major core area.

DEPARTMENT OF SOCIAL AND BEHAVIORAL SCIENCES

DEPARTMENT OF SOCIAL SCIENCES

CRIMINOLOGY

Curriculum Requirements	
	Liberal Studies Program
Criminology Major Courses	45
General Education Courses	51
Other Required Courses	12
Total Electives, or a Minor	14
Total Hours to Complete Degree	122
Additional Requirements	
Learning Across the Curriculum*	18 Credit Hours
Community Service	40 Hours
Lyceum Events Credits	8 Events
Senior Paper	20-page minimum with formal oral presentation

Student Progress Checklist	
Liberal Studies Courses	
Course	Credit Hours
ORT 111	1
ORT 112	1
ENG 131	3
ENG 132	3
LS 130	3
LS 135	3
LS 235	3
LS 238-239	6
COM 130	3
CSC 131	3
HED 121	2
MTH	3
MTH	3
ARA, CHI, FRE, LAT or SPA 131	3
ARA, CHI, FRE, LAT or SPA 132	3

PED 020-129	2
HUM GROUP	3
ENG 232	3
TOTAL	51

CRIM 131	3
SOC 131	3
CRIM 237	3
CRIM 332	3
CRIM 335	3
CRIM 339	3
CRIM 432	3
CRIM 433	3
CRIM 435	3
CRIM 436	3
CRIM 490	3
CRIM ELEC	3
CRIM ELEC	3
CRIM ELEC	3
CRIM ELEC	3
Statistics	3
POL 131	3
Social Science Elective	3
Social Science Elective	3
TOTAL ELECTIVES, OR A MINOR	14
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	122

HISTORY

Curriculum Requirements	
	Liberal Studies Program
History Major Courses	36
General Education Courses	51
Other Required Courses	9
Total Electives, or a Minor	26
Total Hours to Complete Degree	122

Additional Requirements	
Learning Across the Curriculum	18 Credit Hours
Community Service	40 Hours
Lyceum Events Credits	8 Events
Senior Paper	20-page minimum with formal oral presentation

Student Progress Checklist	
Liberal Studies Courses	
Course	Credit Hours
ORT 111	1
ORT 112	1
ENG 131	3
ENG 132	3
LS 130	3
LS 135	3
LS 235	3
LS 238	3
LS 239	3
COM 130	3
CSC 131	3
HED 121	2
MTH	3
MTH	3
ARA, CHI, FRE, LAT or SPA 131	3
ARA, CHI, FRE, LAT or SPA 132	3
PED 020-129	2
HUM GROUP	3
ENG 232	3
TOTAL	51

HIS 135	3
HIS 136	3
HIS 200	3
HIS 338	3
HIS 339	3
HIS 490	3
HIS 491	3
United States Group	3

Europe Group	3
Non Western Group	3
Other History	3
Other History	3
ECON 231	3
POL 131	3
SOC 131	3
TOTAL ELECTIVES, OR A MINOR	26
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	122

POLITICAL SCIENCE

Curriculum Requirements	
	Liberal Studies Program
Political Science Major Courses	42
General Education Courses	51
Other Required Courses	12
Total Electives, or a Minor	17
Total Hours to Complete Degree	122
Additional Requirements	
Learning Across the Curriculum	18 Credit Hours
Community Service	40 Hours
Lyceum Events Credits	8 Events
Senior Paper	20-page minimum with formal oral presentation

Student Progress Checklist	
Liberal Studies Courses	
Course	Credit Hours
ORT 111	1
ORT 112	1
ENG 131	3
ENG 132	3
LS 130	3
LS 135	3
LS 235	3
LS 238-239	6

COM 130	3
CSC 131	3
HED 121	2
MTH	3
MTH	3
ARA, CHI, FRE, LAT or SPA 131	3
ARA, CHI, FRE, LAT or SPA 132	3
PED 020-129	3
HUM GROUP	3
ENG 232	3
TOTAL	52

POL 131	3
POL 333	3
POL 334	2
POL 335	3
POL 398	3
POL 431	3
POL 434	3
POL 499	3
POL Elective	3
POL Elective	3
POL Elective	3
POL Elective	3
POL 330	3
ECON 231	3
HIS 136	3
SOC 131	3
STATISTICS	3
TOTAL ELECTIVES, OR A MINOR	17
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	125

PSYCHOLOGY WITHOUT A CONCENTRATION

Psychology Curriculum Requirements	
	Liberal Studies Program
Psychology without a concentration Major Courses	33

General Education Courses	52
Other Required Courses	0
Total Electives, or a Minor	37
Total Hours to Complete Degree	122
Additional Graduation Requirements	
Learning Across the Curriculum Courses	18 Credit Hours
Community Service	40 Hours
Lyceum Event Credits	8 Events
Senior Paper	20-page minimum with formal oral presentation
Student Progress Checklist	
Liberal Studies Courses	
Course	Credit Hours
ORT 111	1
ORT 112	1
ENG 131	3
ENG 132	3
LS 130	3
BIO 143 or higher (substitutes for LS 135)	4
LS 235	3
LS 238	3
LS 239	3
COM 130	3
CSC 131	2
HED 121	2
PED 020-129	2
MTH	3
MTH	3
ARA, CHI, FRE, LAT or SPA 131	3
ARA, CHI, FRE, LAT or SPA 132	3
HUM GROUP	3
ENG 232	3
TOTAL	51

PSYCHOLOGY WITHOUT A CONCENTRATION MAJOR COURSES

PSY 131	3
PSY 132	3
PSY 233	3
PSY 234	3

PSY 333	3
PSY 430	3
One course from Applied Concentration	3
One course from Biomedical Concentration	3
One course from Developmental Concentration	3
PSY Electives	6
TOTAL ELECTIVES OR A MINOR	37
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	122

PSYCHOLOGY WITH AN APPLIED CONCENTRATION)

Psychology Curriculum Requirements	
	Liberal Studies Program
Psychology with an applied concentration Major Courses	33
General Education Courses	52
Other Required Courses	0
Total Electives, or a Minor	37
Total Hours to Complete Degree	122
Additional Graduation Requirements	
Learning Across the Curriculum Courses	18 Credit Hours
Community Service	40 Hours
Lyceum Event Credits	8 Events
Senior Paper	20-page minimum with formal oral presentation
Student Progress Checklist	
Liberal Studies Courses	
Course	Credit Hours
ORT 111	1
ORT 112	1
ENG 131	3
ENG 132	3
LS 130	3
BIO 143 or higher (substitutes for LS 135)	4
LS 235	3
LS 238	3

LS 239	3
COM 130	3
CSC 131	2
HED 121	2
PED 020-129	2
MTH	3
MTH	3
ARA, CHI, FRE, LAT or SPA 131	3
ARA, CHI, FRE, LAT or SPA 132	3
HUM GROUP	3
ENG 232	3
TOTAL	52

PSYCHOLOGY WITH AN APPLIED CONCENTRATION MAJOR COURSES

PSY 131	3
PSY 132	3
PSY 233	3
PSY 234	3
PSY 333	3
PSY 430	3
Three courses from one of the Applied Tracks	9
One course from Biomedical Concentration	3
One course from Developmental Concentration	3
PSY Electives	6
TOTAL ELECTIVES OR A MINOR	37
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	122

PSYCHOLOGY WITH A BIOMEDICAL CONCENTRATION

Psychology Curriculum Requirements	
	Liberal Studies Program
Psychology with a Biomedical concentration Major Courses	33
General Education Courses	52
Other Required Courses	0
Total Electives, or a Minor	37
Total Hours to Complete Degree	122

Additional Graduation Requirements	
Learning Across the Curriculum Courses	18 Credit Hours
Community Service	40 Hours
Lyceum Event Credits	8 Events
Senior Paper	20-page minimum with formal oral presentation

Student Progress Checklist	
Liberal Studies Courses	
Course	Credit Hours
ORT 111	1
ORT 112	1
ENG 131	3
ENG 132	3
LS 130	3
BIO 143 or higher (substitutes for LS 135)	4
LS 235	3
LS 238	3
LS 239	3
COM 130	3
CSC 131	2
HED 121	2
PED 020-129	2
MTH	3
MTH	3
ARA, CHI, FRE, LAT or SPA 131	3
ARA, CHI, FRE, LAT or SPA 132	3
HUM GROUP	3
ENG 232	3
TOTAL	52

PSYCHOLOGY WITH A BIOMEDICAL CONCENTRATION MAJOR COURSES

PSY 131	3
PSY 132	3
PSY 233	3
PSY 234	3
PSY 333	3
PSY 430	3
One course from Applied Concentration	3

One course from Developmental Concentration	3
TOTAL ELECTIVES OR A MINOR	37
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	122

PSYCHOLOGY WITH A DEVELOPMENTAL CONCENTRATION

Psychology Curriculum Requirements	
	Liberal Studies Program
Psychology with a Developmental concentration Major Courses	33
General Education Courses	52
Other Required Courses	0
Total Electives, or a Minor	37
Total Hours to Complete Degree	122
Additional Graduation Requirements	
Learning Across the Curriculum Courses	18 Credit Hours
Community Service	40 Hours
Lyceum Event Credits	8 Events
Senior Paper	20-page minimum with formal oral presentation
Student Progress Checklist	
Liberal Studies Courses	
Course	Credit Hours
ORT 111	1
ORT 112	1
ENG 131	3
ENG 132	3
LS 130	3
BIO 143 or higher (substitutes for LS 135)	4
LS 235	3
LS 238	3
LS 239	3
COM 130	3
CSC 131	2
HED 121	2
PED 020-129	2
MTH	3

MTH	3
ARA, CHI, FRE, LAT or SPA 131	3
ARA, CHI, FRE, LAT or SPA 132	3
HUM GROUP	3
ENG 232	3
TOTAL	52

PSYCHOLOGY WITH A DEVELOPMENTAL CONCENTRATION
MAJOR COURSES

PSY 131	3
PSY 132	3
PSY 233	3
PSY 234	3
PSY 333	3
PSY 430	3
One course from Applied Concentration	3
One course from Biomedical Concentration	3
TOTAL ELECTIVES OR A MINOR	37
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	122

DEPARTMENT OF SOCIAL WORK

SOCIAL WORK

Curriculum Requirements	
	Liberal Studies Program
Social Work Concentration Major Courses	48
General Education Courses	48
Other Required Courses	20
Total Electives	12
Total Hours to Complete Degree	128
Additional Requirements	
Learning Across the Curriculum	12 Credit Hours
Community Service	40 Hours
Lyceum Events Credits	8 Events
Senior Paper	20-page minimum with formal oral presentation

Student Progress Checklist	
Liberal Studies Courses	
Course	Credit Hours
ORT 111	1
ORT 112	1
ENG 131	3
ENG 132	3
LS 130	3
LS 135	0
LS 235	3
LS 238-239	6
COM 130	3
CSC 131	3
HED 121	2
MTH 131	3
MTH 132	3
ARA, CHI, FRE, LAT or SPA 131	3
ARA, CHI, FRE, LAT or SPA 132	3
PED 020-129	2
HUM GROUP	3

ENG 232	3
TOTAL	48

ECO 231	3
SOC 131	3
BIO 143	4
BIO 240	4
PSY 131	3
MTH 136 or PSY 233	3
SWK 239	3
SWK 330	3
SWK 332	3
SWK 334	3
SWK 335	3
SWK 431	3
SWK 432	3
SWK 433	3
SWK 434	3
SWK 435	3
SWK 436	3
SWK 438	3
SWK 490	12
Electives	12
TOTAL ELECTIVES, OR A MINOR	12
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	128

DEPARTMENT OF VISUAL, PERFORMING, AND COMMUNICATION ARTS

COMMUNICATION ARTS

Curriculum Requirements	
	Liberal Studies Program
Com Arts Major Courses	36
General Education Courses	51
Other Required Courses	6
Total Electives, or a Minor	29
Total Hours to Complete Degree	122
Additional Requirements	
Learning Across the Curriculum Courses	18 Credit Hours
Community Service	40 Hours
Lyceum Event Credits	8 Events
Senior Paper	20-page min. with formal oral presentation

* Honors Program Communication Arts Majors must also take COM 130, Fundamentals of Speech.

Student Progress Checklist	
Liberal Studies Courses	
Course	Credit Hours
ORT 111	1
ORT 112	1
ENG 131	3
ENG 132	3
LS 130	3
LS 135	3
LS 235	3
LS 238	3
LS 239	3
COM 130	3
CSC 131	3
HED 121	2
MTH	3
MTH	3
ARA, CHI, FRE, LAT or SPA 131	3

ARA, CHI, FRE, LAT or SPA 132	3
PED 020-129	2
HUM GROUP	3
ENG 232	3
TOTAL	51

COM 230	3
COM 231	3
COM 232	3
COM 238	3
COM 239	3
COM 360	3
COM 438	3
COM 460	3
COM 233 or COM 235	3
COM 330 or COM 331	3
COM 335 or COM 336 or COM 430	3
COM 431 or COM 432	3
COM Arts Electives (DRA, ART, MKT, MGT courses can substitute for COM Arts electives with permission of advisor)	6
Total Hours	42
TOTAL ELECTIVES, OR A MINOR	29
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	122

MUSIC
CONCENTRATION IN MUSIC BUSINESS AND TECHNOLOGY

Curriculum Requirements	
	Liberal Studies Program
Music Business Major Courses	32
General Education Courses	51
Other Required Courses	33
Total Electives or a Minor	7
Additional Requirements	
Learning Across the Curriculum Courses	18 Credit Hours
Community Service	40 Hours
Lyceum Event Credits	8 Events

Senior Paper	20-page minimum with oral presentation or 10-page minimum with accompanying audio or video project
Student Progress Checklist	
Liberal Studies Courses	
Course	Credit Hours
ORT 111	1
ORT 112	1
ENG 131	3
ENG 132	3
LS 130	3
LS 135	3
LS 235	3
LS 238	3
LS 239	3
COM 130	3
CSC 131	3
HED 121	2
MTH	3
MTH	3
ARA, CHI, FRE, LAT or SPA 131	3
ARA, CHI, FRE, LAT or SPA 132	3
PED 020-129	2
HUM GROUP	3
ENG 232	3
TOTAL	51

CONCENTRATION IN MUSIC BUSINESS

Student Progress Checklist	
MUS 143	3
MUS 144	3
MUS 337	3
MUS 338	3
MUS 232	2
MUS 331	3
MUS 332	3
MUS 429 (2 credits x 2)	4
MUS 439	3

MUS 510	1
MUS 511	1
MUS (Ensemble) (1 credit x 8)	8
MUS 113-214 (1 credit x 3)	3
MUS (Major Instrument) (1 credit x 4)	4
ACC 235	3
BUS 233	3
ECO 231	3
BUS 330	3
BUS 335	3
MGT 333	3
MKT 331	3
TOTAL ELECTIVES	7
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	123

CONCENTRATION IN MUSIC PERFORMANCE

Curriculum Requirements	
	Liberal Studies Program
Music Performance Major Courses	18-24
General Education Courses	51
Other Required Courses	33
Total Electives or a Minor	14-20
Additional Requirements	
Learning Across the Curriculum Courses	18 Credit Hours
Community Service	40 Hours
Lyceum Event Credits	8 Events
Senior Paper/Recital	20-page minimum with oral presentation or 10-page minimum with accompanying audio, video, or recital project
Student Progress Checklist	
Liberal Studies Courses	
Course	Credit Hours
ORT 111	1
ORT 112	1
ENG 131	3
ENG 132	3
LS 130	3

LS 135	3
LS 235	3
LS 238	3
LS 239	3
COM 130	3
CSC 131	3
HED 121	2
MTH	3
MTH	3
ARA, CHI, FRE, LAT or SPA 131	3
ARA, CHI, FRE, LAT or SPA 132	3
PED 020-129	2
HUM GROUP	3
ENG 232	3
TOTAL	51

MUS 143	3
MUS 144	3
MUS 243	3
MUS 244	3
MUS 337	3
MUS 338	3
*Emphasis courses for Performance Concentration	8-14
MUS 429 (2 credits x 2)	4
MUS 510	1
MUS 511	1
MUS (Ensemble) (1 credit x 8)	8
MUS 113-214 (1 credit x 3)	3
MUS (Major Instrument) (1 credit x 8)	8
TOTAL ELECTIVES OR A MINOR	8-14
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	122

* Performance Concentration requirements differ depending upon a student's Primary or Major Instrument or Voice. The emphasis area is Vocal, Piano, or Instrumental. The breakdown of required courses for each performance emphasis is shown below. Note that most of these classes may be taken more than once for credit.

VOICE EMPHASIS 12 – 14 credits from among these choices	
MUS 321 (2 credits x 1)	2

MUS 326 (2 credits x 1)	2
MUS 524 (2 credits x 3) Italian, French, and German Sections Sections	6
NOTE: A Performance student whose emphasis is Voice must take one of each section in MUS 524 (Italian, French, German) for a total of six credits.	
PIANO EMPHASIS 12 – 14 credits from among these choices	
MUS 324 (2 credits x 1)	2
MUS 327 (2 credits x 1)	2
MUS 522 (2 credits x1) Vocal, Instrumental sections	2
NOTE: A Performance student whose emphasis is Piano - Vocal Accompanying/Coaching is required to complete the Vocal Diction and Vocal Literature courses listed under Voice Emphasis above. These students may choose a minor in a Foreign Language to replace the Vocal Diction courses.	
INSTRUMENTAL EMPHASIS 8 – 12 credits from among these choices	
MUS 328 (2 credits x 1)	2
MUS 329 (2 credits x 1)	2
MUS 523 (2 credits x 1)	2
NOTE: MUS 523 may be taken only once for credit.	

CONCENTRATION IN SACRED MUSIC

Curriculum Requirements	
	Liberal Studies Program
Sacred Music Major Courses	31
General Education Courses	51
Other Required Courses	33
Total Electives, or a Minor	11
Additional Requirements	
Learning Across the Curriculum Courses	18 Credit Hours
Community Service	40 Hours
Lyceum Event Credits	8 Events
Senior Paper	20-page minimum with oral presentation or 10-page minimum with accompanying recital performance
Student Progress Checklist	
Liberal Studies Courses	
Course	Credit Hours
ORT 111	1
ORT 112	1
ENG 131	3

ENG 132	3
LS 130	3
LS 135	3
LS 235	3
LS 238	3
LS 239	3
COM 130	3
CSC 131	3
HED 121	2
MTH	3
MTH	3
ARA, CHI, FRE, LAT or SPA 131	3
ARA, CHI, FRE, LAT or SPA 132	3
PED 020-129	2
HUM GROUP	3
ENG 232	3
TOTAL	51

MUS 143	4
MUS 144	4
MUS 243	4
MUS 244	4
MUS 337	3
MUS 338	3
MUS 429 (2 credits x 2)	4
MUS 439	3
MUS 232	2
MUS 322	2
MUS 325	2
MUS 333	3
MUS 334	3
MUS 433 or 434*	3
MUS 510	1
MUS 511	1
MUS (Ensemble) (1 credit x 8)	8
MUS 113-214 (1 credit x 3)	3
MUS Major Instrument (1 credit x 8)	8
MGT 333	3

TOTAL ELECTIVES OR A MINOR	11
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	126

VISUAL AND PERFORMING ARTS MAJOR DANCE CONCENTRATION

Curriculum Requirements	
	Liberal Studies Program
Visual and Performing Arts with Dance Concentration Major Courses	39
General Education Courses	51
Other Required Courses	4
Total Electives or a Minor	28
Additional Requirements	
Learning Across the Curriculum Courses	18 Credit Hours
Community Service	40 Hours
Lyceum Event Credits	8 Events
Senior Exhibit or Performance and Paper	Exhibit or Performance and Min. 10-page Paper
Student Progress Checklist	
Liberal Studies Courses	
Course	Credit Hours
ORT 111	1
ORT 112	1
ENG 131	3
ENG 132	3
LS 130	3
LS 135	3
LS 235	3
LS 238	3
LS 239	3
COM 130	3
CSC 131	3
HED 121	2
MTH 131	3
MTH 132	3

Foreign Language 131	3
Foreign Language 132	3
PED 020-129	2
HUM GROUP	3
ENG 232	3
TOTAL	51

Graduation Checklist for Dance Concentration	
VPA 230	3
VPA 231	3
PED 125 or VPD 233	2
VPD 224	2
VPT 232	3
VPS 233	3
VPG 230	3
VPF 233	3
MUS 131	3
VPA 330	3
VPA 430	3
VPA 431	3
CORE TOTAL	34

CONCENTRATION

VPD 332 (Co-/Prerequisites BIO 143)	3
VPD 333	3
VPD 334	3
VPD 432	3
VPD 433	3
VPD 434 or VPD 435	3
CONCENTRATION TOTAL	18
TOTAL ELECTIVES OR A MINOR	32
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	122

VISUAL AND PERFORMING ARTS MAJOR
FILM CONCENTRATION

Curriculum Requirements	
	Liberal Studies Program

Visual and Performing Arts with Film Concentration Major Courses	39
General Education Courses	51
Other Required Courses	0
Total Electives or a Minor	32
Additional Requirements	
Learning Across the Curriculum Courses	18 Credit Hours
Community Service	40 Hours
Lyceum Event Credits	8 Events
Senior Exhibit or Performance and Paper	Exhibit or Performance and 10-page minimum paper

Student Progress Checklist	
Liberal Studies Courses	
Course	Credit Hours
ORT 111	1
ORT 112	1
ENG 131	3
ENG 132	3
LS 130	3
LS 135	3
LS 235	3
LS 238	3
LS 239	3
COM 130	3
CSC 131	3
HED 121	2
MTH 131	3
MTH 132	3
Foreign Language 131	3
Foreign Language 132	3
PED 020-129	2
HUM GROUP	3
ENG 232	3
TOTAL	51

Graduation Checklist for Film Concentration	
VPA 230	3
VPA 231	3
PED 125 or VPD 233	2
VPD 224	2
VPT 232	3
VPS 233	3
VPG 230	3
VPF 233	3
MUS 131	3
VPA 330	3
VPA 430	3
VPA 431	3
CORE TOTAL	34

CONCENTRATION

VPF 323	3
VPF 333	3
VPF 334	2
VPF 431	2
VPF 433	3
VPF 434	3
CONCENTRATION TOTAL	18
TOTAL ELECTIVES OR A MINOR	32
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	122

VISUAL AND PERFORMING ARTS MAJOR GRAPHIC ART CONCENTRATION

Curriculum Requirements	
	Liberal Studies Program
Visual and Performing Arts with Graphic Art Concentration Major Courses	39
General Education Courses	51
Other Required Courses	0
Total Electives or a Minor	32
Additional Requirements	
Learning Across the Curriculum Courses	18 Credit Hours

Community Service	40 Hours
Lyceum Event Credits	8 Events
Senior Exhibit or Performance and Paper	Exhibit or Performance and 10-page minimum paper
Student Progress Checklist	
Liberal Studies Courses	
Course	Credit Hours
ORT 111	1
ORT 112	1
ENG 131	3
ENG 132	3
LS 130	3
LS 135	3
LS 235	3
LS 238	3
LS 239	3
COM 130	3
CSC 131	3
HED 121	2
MTH 131	3
MTH 132	3
Foreign Language 131	3
Foreign Language 132	3
PED 020-129	2
HUM GROUP	3
ENG 232	3
TOTAL	51

Graduation Checklist for Graphic Art Concentration	
VPA 230	3
VPA 231	3
PED 125 or VPD 233	2
VPD 224	2
VPT 232	3
VPS 233	3
VPG 230	3
VPF 233	3
MUS 131	3

VPA 330	3
VPA 430	3
VPA 431	3
CORE TOTAL	34

CONCENTRATION

VPG 334	3
VPG 235	3
VPG 336	2
VPG 233	2
VPG 433	3
VPG 434 or VPG 334	3
CONCENTRATION TOTAL	18
TOTAL ELECTIVES OR A MINOR	32
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	122

VISUAL AND PERFORMING ARTS MAJOR STUDIO ART CONCENTRATION

Curriculum Requirements	
	Liberal Studies Program
Visual and Performing Arts with Studio Art Concentration Major Courses	39
General Education Courses	51
Other Required Courses	0
Total Electives or a Minor	32
Additional Requirements	
Learning Across the Curriculum Courses	18 Credit Hours
Community Service	40 Hours
Lyceum Event Credits	8 Events
Senior Exhibit or Performance and Paper	Exhibit or Performance and 10-page minimum Paper
Student Progress Checklist	
Liberal Studies Courses	
Course	Credit Hours
ORT 111	1
ORT 112	1
ENG 131	3

ENG 132	3
LS 130	3
LS 135	3
LS 235	3
LS 238	3
LS 239	3
COM 130	3
CSC 131	3
HED 121	2
MTH 131	3
MTH 132	3
Foreign Language 131	3
Foreign Language 132	3
PED 020-129	2
HUM GROUP	3
ENG 232	3
TOTAL	51

Graduation Checklist for Studio Art Concentration	
VPA 230	3
VPA 231	3
PED 125 or VPD 233	2
VPD 224	2
VPT 232	3
VPS 233	3
VPG 230	3
VPF 233	3
MUS 131	3
VPA 330	3
VPA 430	3
VPA 431	3
CORE TOTAL	34

CONCENTRATION

VPS 332	3
VPS 333	3
VPS 334	2
VPS 432	2
VPS 433	3
VPS 434	3

CONCENTRATION TOTAL	18
TOTAL ELECTIVES OR A MINOR	32
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	122

VISUAL AND PERFORMING ARTS MAJOR THEATRE CONCENTRATION

Curriculum Requirements	
	Liberal Studies Program
Visual and Performing Arts with Theatre Concentration Major Courses	39
General Education Courses	51
Other Required Courses	0
Total Electives or a Minor	32
Additional Requirements	
Learning Across the Curriculum Courses	18 Credit Hours
Community Service	40 Hours
Lyceum Event Credits	8 Events
Senior Exhibit or Performance and Paper	Exhibit or Performance and 10-page minimum paper
Student Progress Checklist	
Liberal Studies Courses	
Course	Credit Hours
ORT 111	1
ORT 112	1
ENG 131	3
ENG 132	3
LS 130	3
LS 135	3
LS 235	3
LS 238	3
LS 239	3
COM 130	3
CSC 131	3
HED 121	2
MTH 131	3
MTH 132	3
Foreign Language 131	3

Foreign Language 132	3
PED 020-129	2
HUM GROUP	3
ENG 232	3
TOTAL	51

Graduation Checklist for Theatre Concentration	
VPA 230	3
VPA 231	3
PED 125 or VPD 233	2
VPD 224	2
VPT 232	3
VPS 233	3
VPG 230	3
VPF 233	3
MUS 131	3
VPA 330	3
VPA 430	3
VPA 431	3
CORE TOTAL	34

CONCENTRATION

VPT 233	3
VPT 333	3
VPT 334 or VPT 434	3
VPT 433	3
VPT 435	3
VPT 436	3
CONCENTRATION TOTAL	18
TOTAL ELECTIVES OR A MINOR	32
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	122

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(704) 378-1270

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Dean of Student Development
(704) 378-1040

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(704) 371-6740

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Office of the President
(704) 378-1007

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(704) 378-1048

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(704) 378-1087

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Ph.D., 1985, Boston University

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Department of Computer Science and Engineering

B.S., 1995, Clark Atlanta University
M.S., 1995, Clark Atlanta University

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Department of Social and Behavioral Sciences

B.A., 1992, Northeastern Illinois University
M.A., 1994, Purdue University
Ph.D., 2001, Purdue University

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B.S., 1999, East Tennessee State University
M.S., 2004, University of Tennessee
Ph.D., 2012, University of Tennessee

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B.S., 1968, Ain Shams University, Egypt
M.S., 1974, Ain Shams University, Egypt
Ph.D., 1980, Moscow State University, Moscow, USSR

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B.A., 2001, Loyola University, Chicago
M.A., 1996, Mississippi State University

Ying Bai (2001).....Associate Professor of Computer Science
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B., 1983, Tsinghua University, China
M., 1987, Beijing Institute of Technology, China
Ph.D., 2000, Florida Atlantic University

Deborah Bailey (2001) ..... Assistant Professor of Elementary Education
Department of Education

B.S., 1972, Cheyney University
M.A., 1997, University of New Mexico
Ph.D., 2001, University of New Mexico

Mark Bernard (2012) ..... Visiting Assistant Professor of Interdisciplinary Studies
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B.A., 2000, Carson-Newman College-Jefferson City, Tennessee
M.A., 2002, University of Tennessee, Knoxville
M.A., 2006, Bowling Green State University-Bowling Green, Ohio
Ph.D., 2010, Bowling Green State University-Bowling Green, Ohio

Satish C. Bhalla (2000) ..... Associate Professor of Computer Science
Department of Computer Science and Engineering

M.S., 1956, Punjab University
M.A., 1963, University of Kansas
M.S., 1987, Virginia Polytechnic Institute and State University
Ph.D., 1966, University of Notre Dame

Valerie Black (2010) ..... Visiting Instructor of Communication Arts
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B.A., 2002, Hampton University
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Nicola D. Bivens (2008)..... Assistant Professor of Criminology
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B.S., 1991, South Carolina State University
M.S., 1997, University of North Carolina-Charlotte
Ed.D., 2005, Nova Southeastern University

Anita Bledsoe-Gardner (2009)..... Assistant Professor of Criminology
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B.S., 1995, Mississippi State University
M.S., 1996, Mississippi State University
Ph.D., 2002, Berne University

Arthur Boerke (2012)..... Visiting Instructor of History
Department of Social and Behavioral Sciences

B.A., 1984, University of South Carolina
B.A., 2003, University of South Carolina
M.A., 2006, University of South Carolina

Deborah Brown-Quick (1993) ..... Chair, Department of Social and Behavioral Sciences
Associate Professor of Sociology
Department of Social and Behavioral Sciences

B.A., 1980, UNC - Charlotte, NC
M.A., 1984,Vanderbilt University
Ph.D., 1988, Vanderbilt University

Kai Burkins (2012)..... Visiting Assistant Professor of Social Work/
MSW Field Director
Department of Social Work

B.A., 1999, South Carolina State University, Orangeburg, SC
M.S., 2000, University of South Carolina, Columbia, SC

Karen L. Butler (1997) ..... Professor of Health Education
Department of Health and Human Performance

B.S., 1986, Kent State University
M.A., 1990, Kent State University
Ph.D., 1995, Kent State University

Cheryl Butler-Brayboy (2008) ..... Assistant Professor of English
Department of Languages and Literature

B.A., 1989, Spelman College
M.A., 1995, University of Pennsylvania
Ph.D., 1998, University of Pennsylvania

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Associate Professor of Social Work
Department of Social Work

B.A., 1973, Jackson State University
M.S.W., 1974, Rutgers University
Ph.D., 2006, Jackson State University

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Ph.D., 1992, The Ohio State University

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Department of Computer Science and Engineering

B.S., 2003, University of Electronic Science and Technology, Chengdu, China
Ph.D., 2008, University of North Carolina-Charlotte

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Associate Professor of Chemistry
Department of Natural Sciences & Mathematics

B.S., 1983, UNC - Chapel Hill
D.A., 1993, Univ. of Northern Colorado

Hyung Jae Chang (2012) ..... Visiting Assistant Professor of Computer Science
Department of Computer Science and Engineering

B.S., 2005, Oklahoma State University
M.S., 2008, University of Florida
Ph.D., 2012, University of Texas at Dallas

Hang Chen (2004) ..... Chair, Department of Computer Science and Engineering
Assistant Professor of Computer Science
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B.S., 2000, Zhejiang University, China
Ph.D., 2004, University of Cincinnati

Arend Clayborn (2012) ..... Visiting Instructor of Marketing
Department of Business Administration and Economics

B.S., 1996, Southern Illinois University-Carbondale
M.B.A., 1998, Southern Illinois University-Carbondale
M.S., 2003, University of North Carolina-Charlotte

Leslie Clement-Gutierrez (2005) ..... Instructor of Spanish
Department of Languages and Literature

B.A., 1998, Spelman College
M.A., 2002, Winthrop University

Cynthia Cole (2007) ..... Instructor of Graphic Design
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B.A., 1993, Agnes Scott College
M.A., 1995, New York University

Thomas Collins (2012)..... Visiting Assistant Professor of Mathematics
Department of Natural Science and Mathematics

B.S., 1964, Johnson C. Smith University
M.A., 1972, Purdue University
Ph.D., 1996, University of South Florida

Jeanne Cook (2011) ..... Professor of Social Work/MSW Program Director
Department of Social Work

B.A., 1969, Columbia College
M.Ed., 1974, University of South Carolina
M.S.W., 1984, University of South Carolina
Ph.D., 1994, University of South Carolina

Myron T. Coolbaugh (2009) ..... Visiting Assistant Professor of Chemistry
Department of Natural Sciences and Mathematics

B.A., 1985, Alfred University
Ph.D., 1993, The State University at Buffalo

Douglas Cooper (2011)..... Visiting Assistant Professor of Psychology
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B.S., 2004, Bradley University
M.S., 2010, Western Illinois University

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Assistant Professor of Social Work
Department of Social Work

B.A., 1992, The University of Akron
M.S., 1997, Case Western Reserve University
Ph.D., 2006, Norfolk State University

Carol Davenport (2008)..... Assistant Professor of English
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B.A., 1992, Norfolk State University
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Ph.D., 2000, Pennsylvania State University

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Ph.D., 1997, University of North Carolina-Chapel Hill

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Associate Professor of English
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Ph.D., 1996, Boston University

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Department of Business Administration and Economics

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M.A., 1965, Maharaja Sayajirao
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Ph.D., 1994, Kurukshetra, India

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M.A., 1979, Antioch College
Ph.D., 1988, Florida State University

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M.F.A, 1995, Florida State University

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M.M.Ed., 2005, Norfolk State University

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Department of Education

B.S., 1990, Wofford College
M.A.T., 1992, Converse College
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Ed.D., 2003, Nova Southeastern University

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B.A., 1974, Saint Augustine
M.A., 1978, UNC - Chapel Hill
M.A., 1979, UNC - Chapel Hill
Ph.D., 1992, UNC - Chapel Hill

Adelheid Rundholz Eubanks (2009).....Director, Crutchfield Center for Integrated Studies
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Ph.D., 1994, Washington University

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Computer Science and Engineering
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B.Sc., 1979, Sussex University, England
Ph.D., 1984, Sussex University, England

Vanessa Figgers (2007) ..... Assistant Professor of Mathematics
Department of Natural Sciences & Mathematics

B.S., 1983, Florida A & M University
M.Ed., 1989, Florida A & M University
Ph.D., 1997, Florida State University

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M.Ed., 1975, University of Oklahoma
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M.B.A., 1979, UNC - Greensboro
Ph.D., 1997, The Union Institute

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M.A., 1977, Atlanta University
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M.S. (1971) University of Michigan - Ann Arbor
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B.S., 1970, Morgan State University
M.A., 1972, Michigan State University

Ed.D., 1975, University of Massachusetts
Post Doctoral Fellow 1981, Center for the Study of Aging and Human Development, Duke University Medical Center

Gary Guffey (2010).....Visiting Assistant Professor of Public Relations
Department of Visual, Performing and Communication Arts
B.A., 1983, High Point University
M.B.A., 1985, Wake Forest University
M.A., 2006, Indiana University, Bloomington
Ph.D., 2012, University of Georgia

Sunil Gupta (2003) ..... Assistant Professor of Natural Sciences
Department of Natural Sciences & Mathematics
Bachelor of Medicine, 1989, University of Poona, India
Master of Surgery, 1984, University of Poona, India

* Kirsten A. Hemmy (2006)..... Chair, Department of Interdisciplinary Studies, Philosophy, and Religion
Assistant Professor of English
Department of Interdisciplinary Studies, Philosophy, and Religion
B.A., 1996, University of Hawai'i-Manoa
M.A., 2000, University of Wisconsin-Milwaukee
Ph.D., 2004, Western Michigan University
Ed.D., 2004, Auburn University

Antonio Henley (2012) .....Assistant Dean of the Biddle Institute
B.S., 1992, Cameron University
M.S., 1996, Cameron University
Ph.D., 2010, University of New Hampshire

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Department of Social Work
B.S., 1994, North Carolina Agricultural and Technical State University
M.S.W., 2006, University of North Carolina-Charlotte

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Department of Natural Sciences & Mathematics
B.A., 1995, State University of New York, College at Geneseo
M.S., 1998, Clemson University
Ph.D., 2004, Clemson University

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Assistant Professor of Social Work
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B.S.W., 1987, East Carolina University
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Ph.D., 2006, Norfolk State University

Brian Jones (2007) .....Assistant Professor of History
Department of Social and Behavioral Sciences
B.A., 1997, Appalachian State University
M.A., 1999, University of North Carolina-Greensboro
Ph.D., 2008, Kansas State University

Britt E. Kern (2006) ..... Assistant Professor of Biology
Department of Natural Sciences & Mathematics
B.S., 1997, University of Houston, Houston, TX
Ph.D., 2003, Baylor College of Medicine, Houston, TX

Jemayne L. King (2006) ..... Instructor of English
Department of Languages and Literature
B.A., 2000, Elizabeth City State University
M.A., 2001, Virginia State University

Hasaan Kirkland (2000) ..... Associate Professor of Art
O'Herron Distinguished Professor
Department of Visual, Performing and Communication Arts
B.A., 1994, Washington State University
M.F.A., 1999, Washington State University

Cindy J. Kistenberg (2006) ..... Associate Professor of Communication Arts
Department of Visual, Performing and Communication Arts
B.A., 1986, University of North Carolina-Chapel Hill
M.A., 1988, University of North Carolina-Chapel Hill
Ph.D., 1992, Louisiana State University

Melissa Knosp (2001) ..... Instructor of Spanish
Department of Languages and Literature
B.A., 1995, State University of New York College at Oswego, NY
M.S., 1998, State University of New York College at Oswego, NY
M.A., 2001, Winthrop University

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Department of Languages and Literatures
M.A., 1997, Jawaharlal Nehru University, New Delhi, India
M.A., 1999, Complutense University
Ph.D., 2004, University of California, Riverside

* Susan Lawson (2010) ..... Instructor of English
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B.B.A., 1982, Texas Christian University
M.F.A., 2003, Queens University-Charlotte

BerNadette Lawson-Williams (2003) ..... Chair, Department of Health
and Human Performance
Associate Professor of Physical Education
Department of Health and Human Performance
B.S., 1995, South Carolina State University
M.S., 1997, University of Wisconsin-La Crosse
D.S.M, 2002, United States Sports Academy

Maureen Leary (2012) ..... Visiting Instructor of Accounting
Department of Business Administration and Economics
B.S., 2005, Southern Wesleyan University
M.S., 2007, Strayer University

Susan Lee (2011).....Visiting Instructor of Political Science
Department of Social and Behavioral Sciences
B.A., 2005, University of Maryland, College Park
M.A., 2009, University of Maryland, College Park
Ph.D., 2011, University of Maryland, College Park

Terza Lima-Neves (2010) .....Visiting Assistant Professor of Political Science
Department of Social and Behavioral Sciences
B.A., 2000, Providence College-Providence, RI
M.A., 2006, Clark Atlanta University
Ph.D., 2009, Clark Atlanta University

Robert Lindsey (2006) .....Associate Professor of Health Education
Department of Health and Human Performance
B.A., 1992, Washington University in St. Louis
M.A.E.S, 1996, University of Missouri - Columbia
Ph.D, 2000, University of Florida

Tzu-Feng Liu (2011) .....Visiting Assistant Professor of Piano and Music
Department of Visual, Performing and Communication Arts
B.M., 1999, National Taiwan Normal University, Taiwan
M.M., 2001, National Taiwan Normal University, Taiwan
D.M.A., 2008, University of Illinois at Urbana-Champaign, IL

Robert Lyons (2006) ..... Assistant Professor of Sport Management
Department of Health and Human Performance
B.S. 1988, St. Mary's College of California
M.S., 1990, Grambling State University
Ph.D, 1997, University of New Mexico

Christi Manley (2011)..... Visiting Assistant Professor of English
Department of Languages and Literature
B.A., 1997, Peace College
M.F.A., 2001, University of North Carolina-Wilmington
Ph.D., 2009, University of South Carolina

Godfrey Mbah (2012) .....Visiting Assistant Professor of Chemistry
Department of Natural Science and Mathematics
B.A., 1973, Hastings College, Hastings, NE
M.S., 1977, Ohio University, Athens, OH
Ph.D., 1980, Western Michigan University, Kalamazoo, MI

Matamba Mbayabu (2012) .....Visiting Instructor of Mathematics
Department of Natural Science and Mathematics
B.S., 1994, Davidson College
M.A., 2001, University of North Carolina-Charlotte

Dawn B. McNair (2000)..... Coordinator of Mathematics
Assistant Professor of Mathematics
Department of Natural Sciences & Mathematics
B.A., 1993, University of North Carolina-Chapel Hill
M.A., 1997, University of North Carolina-Charlotte
Ph.D., 2008, University of North Carolina-Charlotte

Antonia S. Mead (2005)..... Assistant Professor of Health Education
Department of Health and Human Performance
B.S., 1996, University of Memphis
M.S., 1999, University of Memphis
Ph.D., 2004, University of Alabama

Shawn Miklaucic (2012) .....Visiting Assistant Professor of Communication Arts
Department of Visual, Performing and Communication Arts
B.A., 1990, University of Michigan
M.S., 1997, Illinois State University
Ph.D., 2004, University of Illinois, Urbana-Champaign

DaKysha Moore (2007)..... Assistant Professor of Mass Communication
Department of Visual, Performing and Communication Arts
B.A., 1994, Mary Baldwin College
M.S., 2003, Indiana State University
Ph.D., 2008, Bowling Green State University

Aman Nadhiri (2009).....Assistant Professor of English/Arabic
Department of Languages and Literature
B.A., 1998, Morehouse College
M.A., 2001, University of North Carolina-Chapel Hill
Ph.D., 2009, University of North Carolina-Chapel Hill

Sunday Ndoh (1985) .....Professor of Economics
Department of Business Administration and Economics
B.S., 1976, University of Maryland
M.A., 1979, Howard University
Ph.D., 1985, Howard University

James Nguyen (2007).....Assistant Professor of Finance
Department of Business Administration and Economics
B.S., 1999, University of Houston-Texas
M.A., 2001, University of Houston-Texas
Ph.D., 2006, University of New Orleans-Louisiana

Thanh-Thuy Nguyen (2011) .....Assistant Professor of Mathematics
Department of Natural Sciences and Mathematics
B.S., 2006, University of North Carolina-Charlotte
M.S., 2010, University of North Carolina-Charlotte

Philip Otienoburu (2012) .....Visiting Assistant Professor of Biology
Department of Natural Science and Mathematics
B.S., 2002, Jomo Kenyattta University of Agriculture and Technology
M.PH., 2005, Kenyatta University
Ph.D., 2011, The Ohio State University

Bryan Patterson (2012) ..... Visiting Assistant Professor of Public Leadership
B.S., 1996, James Madison University, Harrisonburg, Virginia
M.Ed., 1999, James Madison University, Harrisonburg, Virginia
Ph.D., 2008, University of Florida, Gainesville, Florida

Laurie Porter (2010)..... Visiting Instructor of Speech
Department of Visual, Performing and Communication Arts
B.A., 1989, University of North Carolina-Chapel Hill
M.A., 1993, University of Kansas

Thomas B. Priest (1983).....Professor of Sociology
Department of Social and Behavioral Sciences
B.A., 1968, West Chester State College
M.A., 1971, University of Delaware
Ph.D., 1979, University of Iowa

Sharon D. Raynor (2004).....Associate Professor of English
Department of Languages and Literature
B.A., 1994, East Carolina University
M.A., 1996, East Carolina University
Ph.D., 2000, Indiana University of Pennsylvania

Harriette W. Richard (2003) ..... Associate Professor of Psychology
Department of Social and Behavioral Sciences
B.A., 1973, Hampton University
M.A., 1975, University of Arkansas-Fayetteville
Ph.D., 1982, University of Arkansas-Fayetteville

Pamela Richardson-Wilks (2008). ..... Assistant Professor of English
Department of Languages and Literature
B.A., 1997, North Carolina Agricultural and Technical State University
M.A., 1998, North Carolina Agricultural and Technical State University

Patricia Roberson-Saunders (2007)..... Professor of Management
BB&T Endowed Professor of Free Enterprise and Capitalism
Department of Business Administration and Economics
B.S., 1970, Morgan State (College) University
M.B.A., 1975, Georgia State University
Ph.D., 1983, University of Maryland-College Park

Alexa Rosypal (2008) .....Assistant Professor of Biology
Department of Natural Sciences & Mathematics
B.S., 2000, Virginia Tech
Ph.D., 2005, Virginia Tech

Yvette Russell (2012).....Visiting Instructor of Marketing
Department of Business Administration and Economics
B.A., 1988, University of California, Los Angeles
M.B.A., 1993, University of Michigan, Ann Arbor

Sitara Sadler (2009)..... Visiting Assistant Professor of Video Film and Production
Department of Visual, Performing, and Communication Arts
B.A., 2005, Johnson C. Smith University
M.F.A., 2008, Academy of Art University

Gabriel Sealey-Morris (2012) ..... Visiting Assistant Professor of English
Department of Languages and Literatures

B.A., 2001, Campbell University
M.A., 2004, North Carolina State University
Ph.D., 2010, The University of Georgia

Alfred R. Smith (1998).....Acting Chair
Department of Business Administration and Economics
B.S., 1991, Florida A & M University
M.B.A., 1992, Florida A & M University
Ph.D., 1998, Florida State University

Mack Staton (1989) ..... Assistant Professor of English
Department of Languages and Literature
B.A., 1987, Johnson C. Smith University
M.A., 1989, Iowa State
Ph.D., 1999, Indiana University

Shaun Stone (2012).....Visiting Instructor of Spanish
Department of Languages and Literatures
B.A., 2003, Furman University
M.A., 2011, University of North Carolina-Charlotte

Debra F. Terrell (2006) .....Assistant Professor of Psychology
Department of Social and Behavioral Sciences
B.S., 1980, Mercer University
M.S., 1983, University of Georgia
Ph.D., 1988, University of Georgia

Perumal Thirumurthy (1984) ..... Assistant Professor of Economics
Department of Business Administration and Economics
B.A., 1961, Annamalai University
M.S., 1963, Annamalai University
B.S., 1981, UNC - Charlotte
C.P.A., 1982, North Carolina
M.B.A., 1992, Pfeiffer College

Joseph W. Turner (1976) .....Dean, College of Arts and Letters
Professor of English
Department of Languages and Literature
B.A., 1972, Davidson College
M.A., 1975, Emory University
Ph.D., 1976, Emory University

Marsha I. Walker (2008) ..... Assistant Professor of English
Department of Languages and Literature
B.A., 2001, Jackson State University
M. A., 2003, University of Iowa
Ph.D., 2012, Indiana University of Pennsylvania

Christopher Weise (2001) ..... Assistant Professor of Music
Department of Visual, Performing and Communication Arts
B.F.A., 1987, University of Wisconsin-Milwaukee
M.Mus., 1990, University of Wisconsin-Milwaukee
D.M.A., 1997, University of Illinois

Shawn-Allyce White (2010).....Visiting Assistant Professor of Music/Choir Director
Department of Visual, Performing and Communication Arts
B.M., 1990, Syracuse University
M.M., 1995, Yale University
D.M.A., 2008, University of Kentucky

Latonya Williams (2011).....Visiting Assistant Professor of Political Science
Department of Social and Behavioral Sciences
B.A., 1998, University of California, Davis
M.A., 2002, California State University, Sacramento
Ph.D., 2009, Clark Atlanta University

Rennae Williams (2011).....Assistant Professor of Sport Management
Department of Health and Human Performance
B.S., 2001, University of North Carolina-Chapel Hill
M.Ed., 2003, University of Georgia
Ed.D., 2010, University of North Carolina-Greensboro

Hampton Wright (2012).....Professor of Mathematics
Department of Natural Science and Mathematics
B.S., 1956, Benedict College
M.S., 1959, Howard University
Ph.D., 1973, North Carolina State University

Cassandra Wynn (1996).....Assistant Professor of Journalism
Department of Visual, Performing and Communication Arts
B.S., 1974, North Carolina A&T State University
M.S., 1976, Iowa State University

* On University Leave

JOHNSON C. SMITH UNIVERSITY
FACULTY EMERITI

Dr. Baldeo Kumar Chopra	Professor of Biology
Dr. Hampton Wright	Professor of Mathematics
Dr. Dorothy Cowser Yancy	Professor of History and Political Sciences

STUDENT GRIEVANCE PROCESS

Student Action Log for Academic Grievances

In the event of a grievance regarding an Academic issue, the aggrieved student must initiate the process.

- This requires bringing the grievance to the person against whom it is being made, such as instructor, staff person or administrator. If the grievance is resolved at this time, no further action is needed **but both student and respondent should keep a record of the complaint with copies forwarded to the Council of Deans.**

- If the grievance is not resolved, the student is entitled to bring the concern to the supervisor of the person against whom the complaint is being made, such as a Department Chair. If the grievance is resolved with this person, no further action is needed **but student and both respondents should keep a record, and the person against whom the complaint was made should be informed of the resolution, with copies forwarded to the Council of Deans.**

- If the grievance is not resolved, the same procedure moves up the leadership chain, such as to College Dean, Council of Deans, then President. A determination by the Office of the President is final.

Date of report of grievance _____

Date of resolution of grievance _____

Student's Name _____

Email _____

Phone _____

Summary of the concern, including any prior actions (use additional sheets if needed):

Documents that support the concern (list them here and attach copies. Do not submit originals):

Signature: _____ Date: _____

First Respondent's Name: _____

Title: _____ Phone: _____ Email: _____

Action Taken or Action Promised Action (use additional sheets if needed):

Documents that support the response (list them here and attach copies. Do not submit originals):

Signature: _____Date: _____

Second Respondent's Name: _____

Title: _____ Phone: _____ Email: _____

Action Taken or Action Promised Action (use additional sheets if needed):

Documents that support the response (list them here and attach copies. Do not submit originals):

Signature: _____ Date: _____

Third Respondent's Name: _____

Title: _____ Phone: _____ Email: _____

Action Taken or Action Promised Action (use additional sheets if needed):

Documents that support the response (list them here and attach copies. Do not submit originals):

Signature: _____ Date: _____

Fourth Respondent's Name: _____

Title: _____ Phone: _____ Email: _____

Action Taken or Action Promised Action (use additional sheets if needed):

Documents that support the response (list them here and attach copies. Do not submit originals):

Signature: _____ Date: _____

Fifth Respondent's Name: _____

Title: _____ Phone: _____ Email: _____

Action Taken or Action Promised Action (use additional sheets if needed):

Documents that support the response (list them here and attach copies. Do not submit originals):

Signature: _____ Date: _____

Student Procedure
For Non-Academic Grievances

Students charged with a violation of the Standards of Conduct are entitled to a hearing by a judicial officer or body and a pre-hearing with a judicial officer. When a student is charged with violating the University's Standards of Conduct, he or she shall have the right to:

1. Receive written notification directing the student to contact the Office of Student Development or the Office of Residence Life whichever is stated in your letter within (3) class days of receipt of the notice for them to schedule a pre-hearing meeting. Notification is sent via certified mail to students who reside off campus and is deemed received when the Office of Student Development receives notice of delivery from the U.S. Postal Service. Notification to students who reside on campus is deemed effective on the date that notice is delivered to the Campus Post Office.
2. Students who have requested a hearing will receive a written notice not less than 72 hours prior to the initiation of a disciplinary proceeding. Notice is deemed effective on the date that the notice is delivered to the Campus Post Office. Notification sent by first-class mail is expected to be received by the student within three business days, and is deemed effective upon receipt of postal notification.

The notice shall include date, time, and place of the hearing and a statement of:

1. The University's rule(s) regulation(s) which was violated; and
2. The circumstances of the case: the date, place, and conduct for which the violation of rule(s) or regulation(s) is charged. (Note: Unless the student informs the appropriate hearing officer or panel prior to the beginning of the hearing that he or she did not receive 72-hour notice, the lack of proper notice cannot later be used as the basis for appeal unless proof is offered showing that notice was delivered to the students room, mailbox, or off-campus address after the hearing).
3. Have the opportunity to have counsel, from a member of the University faculty or staff;
4. Receive a fair and impartial hearing:
5. Present a limited number of witnesses on his or her behalf (maximum of three, unless more are allowed on specific requests);
6. Testify on his or her own behalf;
7. Receive prompt notification, in writing, of the decision of the Judicial Board or administrative officer. Such notice shall be forwarded to the student's UPO Box or local address within 72 hours after the hearing. Delivery of same to the student's UPO Box or U.S. Postal Box within 72 hours after the hearing shall be considered proper notice; and
8. Appeal the decision of any hearing person or body in writing to the appropriate appeal person or body within 48 hours after receiving the decision. All appeal requests must be filed in writing.

   Cases considered by the University Judicial Board are confidential and are not open to the public. Members of the Board are bound by the laws of privacy and shall refrain from discussing cases and Board deliberations outside the hearing room. However, this rule does not prevent the recording of the hearing process for potential use in an appeal hearing. Recordings are not available to the student once he or she has exhausted all appeals.

JOHNSON C. SMITH UNIVERSITY

CHARLOTTE'S PREMIER INDEPENDENT URBAN UNIVERSITY

Campus	100 acre campus near uptown Charlotte, North Carolina
Location	• In Mecklenburg County, Southwestern North Carolina • Approximately 244 miles from Atlanta, Georgia. • Approximately 355 miles from Washington, D.C. • Conveniently located near Charlotte-Douglas International Airport • Easily accessible from Interstates 77 and 85. • Beaches and mountains are only a few hours away
History	Founded and chartered as Biddle Memorial Institute in 1867. Renamed Johnson C. Smith University in 1923. Women first admitted in 1932. Joined the United Negro College Fund in 1944. Completed the historic "Vision Shared" $63.8 million dollar capital campaign drive in 1998. Completed the historic "Pathways to Success" $75 million campaign drive in 2007
Faculty	97 instructional full-time faculty Student/faculty ratio 14:1 81% of faculty hold doctorates and terminal degrees
Accreditation	Southern Association of Colleges and Schools (SACS) National Council for the Accreditation of Teacher Education (NCATE) Association of Collegiate Business Schools and Programs (ACBSP) Council on Social Work Accreditation (CSWE)
Budget	$35,924,455
Endowment	$50.4 million Beneficiary of the Duke Endowment Indenture, 1924 Tuition and Fees $17,368.00 (Does not include optional room and board charges or part-time/excess charges)
Academic Programs	Majors: Business Administration, Biology, Chemistry, Communication Arts, Computer Engineering, Information Systems Engineering, Computer Sciences/Information Systems, Criminology, Economics, Elementary Education, English, Fine Arts, French, General Science, History, Health Education, Interdisciplinary Studies, Mathematics, Mathematics Education, Music, Physical Education, Political Science, Psychology, Social Science, Social Work, Spanish, Sport Management, Visual and Performing Arts
Special Opportunities	JCSU is the first historically black college to become an IBM Thinkpad University. Service learning component combines academics and community service. Extensive career development opportunities abound through co-op programs and internships with over 90 companies.

Special Recognition

2012
Diverse Issues in Higher Education ranked The College of Science, Technology, Engineering, and Mathematics 18th among all universities and colleges in the U.S. in graduating African-Americans in computer and information sciences.

2011
Golden Bulls are first-time Pioneer Bowl Champions

2011
JCSU named Top 10 Historically Black Universities Successes by *Huffington Post*

2010
President's Higher Education Community Services Honor Roll 2007-2009

2007-2009
U.S. News & World Report, Best Black Colleges – Ranked #10

2007
The Southern Association of Colleges and Schools Commission on Colleges (SACS) reaffirmed accreditation at Johnson C. Smith University for the next 10 years.

2001-2007
U.S. News & World Report, Best Colleges – Ranked among the Top Tier comprehensive colleges in the South

2005-2006
Black Issues – Top 100 Degree Producers - Ranked in Computer Science

1999-2006
Black Enterprise – Top 50 Best Colleges and Universities for African-Americans (Biannual ranking)

2004
U.S. News & World Report, Best Values – Ranked second among comprehensive colleges in the South

2003
Black Issues – Top 100 Degree Producers - Ranked in Computer Science and English

2003
Received the *USA Today* / NCAA Academic Achievement Award

2002
Yahoo Magazine – Top 50 Most Wired Small Colleges

1997-1998
John Templeton Foundation Honor Roll for Character Building Colleges

1996
John D. and Catherine T. MacArthur Foundation Genius Grant

Student Enrollment

Full-time enrollment:	1,563
Part-time enrollment:	40
Total:	1,603

Student Profile

48.1% North Carolina Residents
9.3% South Carolina Residents
42.5% Other States
60.6% Female
39.4% Male

Technology

Each student receives a laptop computer equipped with complete access to a campus-wide network through fast Ethernet and wireless connectivity. Internet access is provided through electronic data ports in the library, dormitory rooms (one per pillow) and multimedia classrooms.

GRADUATES - MAY 2012

BACHELOR OF ARTS

SUMMA CUM LAUDE

Davis, Sabrina ..... Frederick, MD
Devore, Phillip ..... Brooklyn, NY
Kelly, Monique ..... Bronx, NY
Moore, Mecia ..... Greenboro, NC
Robinson, Shamika ..... Federal Way, WA
West, Kadeisha ..... Ellenwood, GA

MAGNA CUM LAUDE

Anderson, Shannon ..... Charlotte, NC
Cherry, Shamaine ..... Bronx, NY
Clements, Ravelle ..... Dayton, OH
Comfort, Sharika ..... Richmond, VA
Crawford, Shanice ..... Petersburg, VA
Johnson, Brittnee ..... Windsor, CT
Joyner, Micah ..... East Orange, NJ
Leonard, Alexis ..... Charlotte, NC
McGee, Ashley ..... Milwaukee, WI
Miller, Quanisha ..... Chester, PA
Moore, Sean ..... Newport News, VA
Neighbors, Brittany ..... Waldorf, MD
Noble, Sedana ..... Mooresville, NC
Pearce, Carli ..... Aurora, CO
Spain, Dymond ..... Durham, NC
Walker, Shanai ..... Charlotte, NC

CUM LAUDE

Alexander, Janae ..... Philadelphia, PA
Anderson-Hall ..... Kirstin, Claremont, CA

Anthony, Treva ..... Charlotte, NC
Ballard, Jockuela ..... Antioch, CA
Bean, Mckenzie ..... Hamilton Parish, BE
Boderick, Ciara ..... Washington, DC
Bratcher, Brittany ..... Raeford, NC
Cooper, Amber ..... Chestertown, MD
Crutchfield, Jack ..... Fort Washington, MD
Cunningham, Shakeena ..... Bulffalo, NY
Darden, Otha ..... Washington, DC
Diarra, Toni ..... Washington, DC
Ford, Jasmine ..... Brooklyn, NY
Foxworth, James ..... Newport News, VA
Gittens, Jamila ..... Brooklyn, NY
Goins, Marla ..... Columbus, OH
Hames, Angela ..... Charlotte, NC
Hamilton, Vadale ..... Charlotte, NC
Harris, Patience ..... Triangle, VA
Hayes, Laura-Ashley ..... Richmond, VA
Horn, La'Chey ..... Silver Spring, MD
Johnson, Robert ..... Charlotte, NC
Jones, Terrica ..... Raleigh, NC
Jones, Jessica ..... Raeford, NC
Leonard, Delysse ..... Trenton, NJ
Little, Michele ..... High Point, NC
Mayo, Chanel ..... Waldorf, MD
McPherson, Jalessa ..... Baltimore, MD
Monroe, Celeste ..... Clarkton, NC
Mullings, Kyara ..... Forestville, MD
Neal, Briana ..... Pittsburgh, PA
Oliver, Shayla ..... Hillsborough, NC
Page, Ashley ..... Upper Marlboro, MD
Reid, Winfred ..... Johnson City, TN
Richardson, Joe ..... Concord, NC
Ritchie, Christina ..... Bronx, NY
Robinson, Gabrielle ..... Clinton, MD
Robinson, Kiara ..... Richmond, VA
Ross, Miesha ..... Charlotte, NC
Sadler, Apryl ..... Washington, DC
Scott, Kaylona ..... North Charleston, SC
Smith, Cardell ..... Aberdeen, MD
Spencer, Dominique ..... Freeport, NY
Strong, Cherice ..... Aurora, CO
Watkins, Shawn ..... Columbia, SC
Williams, Jennifer ..... Mitchellville, MD
Wright, Veandre ..... Charleston, SC

BACHELOR OF ARTS

Agne, Marietou, ... Charlotte, NC

Alexander, Fredderic ..... Charlotte, NC
Armah, Dontae ..... Washington, DC
Banks, LaQuandra ..... Raleigh, NC
Baptist, Michael ..... Charlotte, NC
Benson, Ashley ..... Washington, DC
Bradford, Lynette ..... Queens, NY
Brannum, Nykaa ..... Capitol Heighs, MD
Brewer, Akristen ..... Durham, NC
Broughton, Christopher ..... Queens Village, NY
Bryan, Akeema ..... Brooklyn, NY
Bryant, Michael ..... Baltimore, MD
Butler, Michelle ..... Charlotte, NC
Clark, Terry ..... New Brunswick, NJ
Coates, Christopher ..... Reidsville, NC
Cobb-Leonard, To-Brent ..... Charlotte, NC
Cole, Iman ..... Fort Worth, TX
Craft, Trinity ..... Chatham, VA
Danzy, Naomi ..... Mount Holly, NC
Dickerson, Christina ..... Jamaica, NY
Dyce, Benton ..... Old Bridge, NJ
Eadie, Risa ..... New York, NY
Edwards, Lekia ..... Charlotte, NC
Fields, Jermaine ..... New York, NY
Flowers, Seanquez ..... Goldsboro, NC
Fredericks, Natasha ..... Garner, NC
Gabriel, Rolston ..... Charlotte, NC
Gordon, Jovanie ..... Charlotte, NC
Green, Alexandra ..... Silver Spring, MD
Grier, Brandon ..... Columbia, SC
Harris, Salae ..... Concord, NC
Harris, Demond ..... Richmond, VA
Hawkins, Sherman ..... Halifax, VA
Henderson, Marcus ..... Arlington, VA
Hudson, Marje ..... Daytona Beach, FL
Hudson-Bonner, Joshua ..... Neptune, NJ
Keyes, Ronni ..... Virginia Beach, VA
King, Jairamie ..... Charlotte, NC
Lawson, Brittany ..... Augusta, GA
Lee, David ..... Dallas, TX
McClure, Brandon ..... Charlotte, NC
McFarlane, Jessica ..... Charlotte, NC
McMullin, David ..... Philadelphia, PA
Merricks, Melinda ..... Newport News, VA
Morgan, Felicia ..... Tarrytown, NY
Parker, Kyara ..... Washington, DC
Parker, Jawhara ..... Charlotte, NC
Phillips, Elisha ..... Toledo, OH
Poole, Rico ..... Atlanta, GA
Reed, Alicia ..... Mattapan, MA

Reynolds, Megan ..... Winston-Salem, NC
Rogers, Brianna ..... Albany, NY
Scales, Leah ..... Germantown, MD
Simms, Ernest ..... Columbia, SC
Smith, Brittney ..... Huntersville, NC
Steed, Sharee ..... Riverdale, GA
Taylor, Chantel ..... Pineville, NC
Toomer, Quinton ..... Atlanta, GA
Turner, Chertarveya ..... Columbia, SC
Turner, Jerrica ..... Charlotte, NC
Vincent, Langston ..... Fort Washington, MD
Vincent, Fred ..... Philadelphia, PA
Walker, Bishop ..... Shaker Heights, OH
Washington, Robert ..... Lexington, KY
White, Raisa ..... Bronx, NY
Wilson, Shalinda ..... Charlotte, NC
Woolford, Maurcus ..... Fayetteville, NC
York, Sharieff ..... Charlotte, NC
Young, Sequoia ..... Easton, PA

BACHELOR OF SCIENCE

SUMMA CUM LAUDE

Ary, Marie ..... Elk Grove, CA
Burnett, Chester ..... Raleigh, NC
Chapman, Jessica ..... Chula Vista, CA
Higgins, Marcia ..... Charlotte, NC
Nalls, Michael ..... Huntersville, NC
Newby, Rashelle ..... Durham, NC
Williams, Valerie ..... Fayetteville, NC

MAGNA CUM LAUDE

Carty, Rosemarie ..... Bronx, NY
Davis, Evonda ..... Atlanta, GA
Onunu, Christina ..... Paw Creek, NC

CUM LAUDE

Black, Demetria ..... Charlotte, NC
Braimbridge, Courtney ..... Charlotte, NC
Campbell, Paige ..... Charlotte, NC
Cumber, Keisha ..... Charlotte, NC
Demings, Corey ..... Ocoee, FL
Edwards, Kevin ..... Charlotte, NC

Fergerson, Jasmine....Roosevelt, NY
Freeman, Jazmin....Akron, OH
Glenn, Ashton....Raleigh, NC
Harrell, Curtis....Greenville, NC
Harris, Darnell....Aiken, SC
Hawkins, Lateshia....Winston-Salem, NC
Hill-Counts, Dionne....Charlotte, NC
Hilliard, Kirsten....Stafford, VA
Jackson, Jamaal....Springdale, MD
Jenkins, Yasmine....Carteret, NJ
Johnson, Robert....Charlotte, NC
Jones, Sade....Fort Mill, SC
Jones, Michael....Glen Allen, VA
Jones, Kiara....Blairs, VA
Kennedy, Rachael....Charlotte, NC
Kirkpatrick, Jarrica....Charlotte, NC
Lee, Imari....Charlotte, NC
McCary, Alisha....Concord, NC
McElveen, Elizabeth....Olanta, SC
McNeill, Brittany....Augusta, GA
Middlebrooks, Anthony....Winston-Salem, NC
Morris, Desiree....Charlotte, NC
Neely, Brittane....Alexandria, VA
Ochieng, Amina....Silver Spring, MD
Quattlebaum, Terran....Mitchellville, MD
Richmond, Veronica....Burlington, NC
Smith, Danesha....Matthews, NC
Stanford, Danielle....West Babylon, NY
Sue, Rolanda....Charlotte, NC
Thomas, Veola....Charlotte, NC
Webb, Alexis....Durham, NC
Wilson, Shawana....Charlotte, NC
Wilson, Ronald....Washington, DC
Zollicoffer, April....Davidson, NC

BACHELOR OF SCIENCE

Adams, Theodore....Windsor Mill, MD
Baker, Nicole....Durham, NC
Barnes, Alexis....Holly Springs, NC
Bounthon, Brittany....San Lorenzo, CA
Brayboy, Terrilyn....Charlotte, NC
Brewer, Kelvin....Columbia, TN
Carr, Perrin....Morrisville, NC
Carter, Ryan....Charlotte, NC
Carter, Sheena....Hemingway, SC
Clark, Latesha....Laurens, SC
Clarke, Jamell....Norcross, GA
Clay, Brittany....Detroit, MI

Collins, Thomas ..... Memphis, TN
Danielly, Brittany ..... Fayetteville, GA
Davis, Tiara ..... Richmond, VA
Davis, Jasmine ..... Capitol Heights, MD
Dillard, James ..... Apex, NC
Drewitt, Maurice ..... Charlotte, NC
Franklin, Meisha ..... Lynchburg, VA
Franklin, Jeremy ..... Casselberry, FL
Gamble, Lee ..... Charlotte, NC
Gerrick, Teosha ..... Philadelphia, PA
Gibson, A'Niya ..... High Point, NC
Glover, Thameka ..... District Heights, MD
Glymph-Dozier, Bakari ..... …… Columbia, SC
Goddard, Tanesha ..... Stone Mountain, GA
Gray, Gabrielle ..... Charlotte, NC
Hall, Antonio ..... Winston-Salem, NC
Harvey, Kevin ..... New York, NY
Henderson, Courtney ..... Halifax, VA
Holeman, Kyle ..... Fayetteville, NC
Holt, Kenneth ..... Bronx, NY
Johnson, Dominique ..... Mt. Pleasant, SC
Kinchen, Anthony ..... Richmond, VA
Lowery, Janae' ..... Goldsboro, NC
Martin, Kevin ..... Charlotte, NC
Matthews, Monet ..... Philadelphia, PA
Mckinney, Cherice ..... Charlotte, NC
McPherson, Janay ..... Washington, DC
Moody, Keyana ..... Upper Marlboro, MD
Parker, Alexis ..... Newark, NJ
Paul, Jordan ..... Hyattsville, MD
Payne, Joseph ..... Orangeburg, SC
Pearson, Rasheda ..... Braddock, PA
Peay, Antwain ..... Clemmons, NC
Person, Lamarr ..... Duluth, GA
Purcell, Sherrell ..... Raeford, NC
Reese, ShaDella ..... Atlanta, GA
Reese, Marques ..... Atlanta, GA
Ross, Nyjah ..... Washington, DC
Rucker, Dominique ..... Charlotte, NC
Scott, Terry ..... Accokeek, MD
Shelton, Joi ..... Washington, DC
Simmons, Tenesha ..... Melbourne, FL
Simms, Ernest ..... Columbia, SC
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Smith, Samantha ..... Whiteville, NC
Smith, Kimberly ..... Charlotte, NC
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CUM LAUDE

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