

Johnson C. Smith University Academic Catalog 2010 - 2011



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IS ACCREDITED BY**

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Colleges of the Southern Association of Colleges and Schools
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The Commission can be contacted regarding inquiries
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The University is accredited to award the
Bachelor of Arts, Bachelor of Science, and Bachelor of Social Work degrees.

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The North Carolina State Department of Public Instruction

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United Negro College Fund

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

JOHNSON C. SMITH UNIVERSITY

UNIVERSITY CATALOG 2010-2011

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CHARLOTTE, NORTH CAROLINA
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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.

An Equal Opportunity Institution.

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ACADEMIC CALENDAR 2010-2011

FALL SEMESTER 2010

Thurs., Aug. 12	President's Opening Address to Faculty and Staff New Students Check into Residence Halls (9:00 am - 5:00 pm)
Thurs., Aug. 12	Faculty Report for MANDATORY Opening School Workshops
Thurs., Aug. 12 - Tues., Aug. 17	New Student Week / Freshman Experience: Transitions and Transformations CSI Administration
Fri., Aug. 13	New Student Validation - Office of Business and Finance, Admissions, and Financial Aid Offices 9:00 am - 5:00 pm Adjunct Orientation (6:00 pm - 9:00 pm)
Sun., Aug. 15	Residence Halls Open for Upperclass Students
Mon., Aug. 16	Opening School Workshops for Faculty/Legal Update
Mon., Aug 16 - Tues., Aug. 17	New Student Placement Exams New Student Orientation New Student Laptop Training/Distribution Golden Bull Attendees Laptop Distribution
Tues., Aug., 17	New Faculty Orientation 9:00 am - 4:00 pm
Tues., Aug. 17 - Wed., Aug. 18	Laptop Distribution for Returning and Transfer Students Begins
Tues., Aug. 17 - Fri., Aug. 27	Late Registration/Validation/Advising Continues (9:00 am - 4:00 pm) (\$200 Late Fee)
Wed., Aug. 18	FIRST DAY OF CLASSES
Thurs., Aug. 19	CIRP Administration (During Orientation Classes)
Fri., Aug. 27	Last Day to do the Following: Add/Drop a Course, Request Book Store Gift Card, Request Parking Decal, Change Meal Plan or Enroll for Fall Semester Last Day to Validate with Adjustments
Mon., Aug. 30 - Wed., Oct. 27	Official Withdrawal Period
Mon., Sept. 6	LABOR DAY (University Closed - Metropolitan College Open)

ACADEMIC CALENDAR 2010-2011

Tues., Sept. 14	Opening Convocation (11:00 am Jack Brayboy Gymnasium)
Thurs., Sept. 16	Metropolitan College Registration Dates - Winter Term II 4:00 pm - 7:00 pm
Fri., Sept. 17	Constitution Day Last Day to File for December Graduation Last Day to Submit Proof of Immunizations Records
Wed., Sept. 22	Standardized Testing Day Freshman Investiture (6:00 pm)
Tues., Sept. 28	Senior Meeting (11:00 am/Required for Seniors)
Tues., Oct. 5	Last Day to Remove Academic Incomplete from Spring
Tues., Oct. 12 - Wed., Oct. 13	Mid-Semester Examinations
Thurs., Oct. 14 - Sun., Oct. 17	FALL SEMESTER BREAK (Residence Halls remain open)
Fri., Oct. 15	Last Day to File Application for Student Teaching in the Spring Semester Mid-Semester Grades Due in the Registrar's Office (12:00 Noon)
Mon., Oct. 18 - Tues., Oct. 19	Mid-Term Reviews
Fri., Oct. 22	Last Day to Withdraw from a course(s) or University with a grade of "W" 9:00 am - 5:00 pm at Registrar's Office. Withdrawals after this date will be assigned a grade of "F" (with no refund adjustments)
Sat., Oct. 23	HOME COMING
Mon., Oct. 25 – Fri., Oct. 29	Advisement for Spring 2011 Registration
Wed., Oct 27	End Official Withdrawal Period
Mon., Nov. 1 - Fri., Nov. 19	Seniors Only Registration and Validation for Spring Semester Begins (Business Office) 9:00 am - 4:00 pm (Early)
Mon., Nov. 2 - Fri., Nov. 19	Open Registration and Validation for all Students for Spring Semester Begins (Business Office) 9:00 am - 4:00 pm (Early)

ACADEMIC CALENDAR 2010-2011

Fri., Nov. 5	Course Evaluations Distribution
Thurs., Nov. 11	Metropolitan College Registration Dates - Spring Term I 4:00 pm - 7:00 pm
Tues., Nov. 16	Last Day to Complete Community Service Hours Documentation for December Graduation
Fri., Nov. 19	Last Day to Submit Completed Senior Paper for December Graduation (1:00 pm) (Dept. Chairs must turn in All Completed SIP's to Deans by Deadline)
Mon., Nov. 22	Course Evaluations Returned
Wed., Nov. 24 - Sun., Nov. 28	THANKSGIVING HOLIDAY (No Classes)
Thurs., Nov. 25 - Fri., Nov. 26	Administrative Offices Closed
Tues., Nov. 30	Admission Deadline for Spring Semester (New Students, Transfers, Re-Admits)
Sat., Dec. 4	Last Day of Classes
Mon., Dec. 6	Reading Day
Tues., Dec. 7 - Sat., Dec. 11	FINAL EXAMINATIONS FOR FALL SEMESTER
Sat., Dec. 11	Residence Halls Close (5:00 pm)
Mon., Dec. 13	Grade Reports Due in the Registrar's Office (9:00 am) Last Day to Validate to Retain Registration and Room Assignment (without Late Fees)
Thurs., Dec. 16 – Fri., Dec. 17	MANDATORY Department Planning and Assessment Workshops
Fri., Dec. 17	Late Validation Begins (\$200 Late Fee)
Sat., Dec. 18 - Sun., Jan. 2	Academic Recess Winter Break (University Closed)
Thurs., Dec. 30	Academic Appeals Due

ACADEMIC CALENDAR 2010-2011

SPRING SEMESTER 2011

Mon., Jan. 3	Staff Reports for Duty
Fri., Jan. 7	Faculty Reports for Duty
Sat., Jan. 8	New Students Check into Residence Halls (9:00 am - 5:00 pm)
Sun., Jan. 9	Returning Students Check into Residence Halls (9:00 am - 5:00 pm) New Student Placement Tests (am) and Advisement, Registration and Validation (pm)
Mon., Jan. 10	Late Registration/Validation/Advising continues (9:00 am - 4:00 pm) (\$200 Late Fee)
Mon., Jan. 10 - Tues., Jan. 11	Opening School Workshops
Tues., Jan. 11	Adjunct Orientation (6:00 pm-9:00 pm)
Wed., Jan. 12	Laptop Distribution for New and Transfer Students
Wed., Jan. 12	FIRST DAY OF CLASSES
Mon., Jan. 17	MARTIN LUTHER KING DAY OBSERVED (University Closed - Metropolitan College Open)
Fri., Jan. 21	Last Day to do the Following: Add/Drop a Course, Request Book Store Gift Card, Request Parking Decal, Change Meal Plan or Enroll for Spring Semester Last Day to Validate with Adjustments Last Day to File for May Graduation
Mon., Jan. 24 - Fri., Mar 18	Official Withdrawal Period
Wed., Jan. 26	Last Day to Pick-up Book Store Gift Card
Thurs., Feb. 10	Early Alert Grades for Freshmen and Sophomores Due in Retention Office (5:00 pm)
Fri., Feb. 11	Last Day to Submit Proof of Immunizations Records (New Students)
Mon., Feb. 28	Last Day to Remove Incomplete from Fall 2010

ACADEMIC CALENDAR 2010-2011

Thurs., Mar. 3 - Fri., Mar. 4	Mid-Semester Examinations
Mon., Mar. 7	Mid-Semester Grades Due in Registrar's Office (9:00 am)
Mon., Mar. 7 - Sun., Mar. 13	Spring Semester Break (Residence Halls Opened)
Mon., Mar. 14 - Fri., Mar 18	Mid-Term Reviews
Tues., Mar. 15	Senior Meeting (11:00 am/Required for Graduating Seniors) Biddle Hall Auditorium
Fri., Mar. 18	Last Day to Withdraw from a course(s) or University with a grade of "W" 9:00 am - 5:00 pm at Registrar's Office. Withdrawals after this date will be assigned a grade of "F" (with no refund adjustments)
Mon., Mar. 28 - Fri., Apr. 1	Advisement Week for Fall Registration
Wed., Mar. 30	Standardized Testing Day Major Field Test (MFT)/Area Concentration Achievement Test (ACAT) Last Day to Complete Community Service Hours Documentation for May Graduation (5:00 pm)
Thurs., Mar. 31	Metropolitan College Registration Dates - Summer Term 1 4:00 pm - 7:00 pm
Fri., Apr. 1	Course Evaluations Distribution
Tues., Apr. 5 - Thurs., Apr. 14	Registration for Fall 2011
Tues., Apr. 5 - Mon., Apr. 25	Early Validation
Tues., Apr. 12	Last Day to Complete Lyceum Requirements for Graduates
Wed., Apr. 13 - Fri., Apr. 15	Advance Registration for Summer School 2011
Fri., Apr. 15	Laptop Out-Processing for Graduating Seniors
Sun., Apr. 17	FOUNDERS' DAY
Mon., Apr. 18	Course Evaluations Returned
Thurs., Apr. 21	Last Day to Submit Completed Senior Paper and Clearance Form for May Graduation (Dept. Chairs Submit SIP's to Deans)

ACADEMIC CALENDAR 2010-2011

Thurs., Apr. 21 - Fri., Apr. 22	Mandatory Laptop Return
Fri., Apr. 22 and Mon., Apr. 25	EASTER HOLIDAY (University Closed) (Residence Halls Remain Open)
Mon., Apr. 25 - Fri., Apr. 29	Senior Week
Tues., Apr. 26 - Wed., Apr. 27	Final Examinations for Graduating Seniors
Thurs., Apr. 28	Grade Reports for Graduating Seniors Due in Registrar's Office - 9:00 am
Sat., Apr. 30	LAST DAY OF CLASSES
Mon., May 2	Reading Day (No Classes) Examination Clearance List to Professors
Tues., May 3 - Sat., May 7	FINAL EXAMINATIONS FOR SPRING SEMESTER
Fri., May 6	BACCALAUREATE SERVICES
Sat., May 7	Residence Halls Close for ALL but Seniors (5:00 pm)
Sun., May 8	COMMENCEMENT EXERCISES (Residence Halls Close for Seniors) - 11:00 am
Mon., May 9	Grade Reports for Non-Graduating Students Due in Registrar's Office (Monday 9:00 am) Faculty/Staff Appreciation Day (12:00 pm - 2:00 pm)
Mon., May 9 - Fri., May 13	Post School Conference and Assessment Days

ACADEMIC CALENDAR 2010-2011

SUMMER SCHOOL 2011

Wed., May 25 - Fri., Jul. 1	SUMMER SCHOOL
Wed., May 25	Summer School Students check into Residence Halls (9:00 am - 5:00 pm)
Thurs., May 26	SUMMER SCHOOL CLASSES BEGIN Metropolitan College Registration Dates - Summer Term II 4:00 pm - 7:00 pm
Mon., May 30	MEMORIAL DAY HOLIDAY (University Closed - Metropolitan College Open)
Fri., Jun. 3	Last Day to Drop (No Tuition Adjustment) Courses & Validation for Summer Last Day to file for FAFSA and Reserve Room
Sun., Jun. 12 - Thurs., Jul. 7	Freshmen Scholars Program LS AMP Program
Wed., Jun. 29	Last Day to Validate to Retain Registration and Room Assignment without late registration fee. Late Validation For Fall 2011 Begins (\$200 late fee)
Thurs., Jun. 30 - Fri., Jul. 1	Final Examinations for Summer 2011
Fri., July 1	Residence Halls Close (5:00 pm)
Mon., July 4	INDEPENDENCE DAY OBSERVED (University Closed - Metropolitan College Open)
Tues., July 5	Final Summer School Grades Due in the Registrar's Office (12:00 Noon)
Thurs., July 7 - Sat., July 9	Golden Bull Academy: New Student Orientation
Mon., July 18	Academic Appeals Due for Fall Semester Metropolitan College Registration Dates - Winter Term I (4:00 pm - 7:00 pm)

GENERAL INFORMATION

HISTORY

In 1867, the Reverend S. C. Alexander and the Reverend W. L. Miller saw the need to establish an institution to educate freed persons in one section of the South and began to devise plans to secure the desired results. The movement for the school was formally inaugurated on April 7, 1867, at a meeting of the Catawba Presbytery in the old Charlotte Presbyterian Church, formerly located at the corner of D and Fourth Streets, Charlotte, North Carolina. The two ministers were elected as teachers.

Information about establishing the school was brought to the attention of Mrs. Mary D. Biddle, a devout churchwoman of Philadelphia, Pennsylvania, who, through appeals on behalf of the work in one of the church papers, pledged \$1400. In appreciation of this first and generous contribution, friends of the project requested of Mrs. Biddle permission to name the newly established school after her late husband, Major Henry Biddle. After the request was granted, the school was named Biddle Memorial Institute and later was chartered by the North Carolina Legislature under that name.

Colonel W. R. Myers, a wealthy Charlottean, donated the first eight acres of land used as the site for the school. From 1867 to 1876, the school was known as the Biddle Memorial Institute. In 1876, the Legislature of North Carolina changed the charter, and the name of the school became Biddle University. The institution operated under this name until 1923.

From 1921 to 1922, Mrs. Jane Berry Smith, of Pittsburgh, Pennsylvania, gave funds for the erection of a theological dormitory, a science hall, a teachers' cottage, and a memorial gate at Biddle University. In addition, she provided a handsome endowment for the institution in memory of her late husband, Johnson C. Smith. In recognition of these generous benefactions, the Board of Trustees voted to change the name of the institution to Johnson C. Smith University. The charter of the school, accordingly, was so amended March 1, 1923, by the Legislature of the State of North Carolina. From 1923 until her death in October 1929, Mrs. Smith gave funds for the erection of five more buildings, including a campus church.

The University was further strengthened from 1924 to 1925 as a result of a substantial provision by James B. Duke, a wealthy and magnanimous businessman of Somerville, New Jersey. Mr. Duke also had a home in Charlotte and had been contacted by the President of the University, Dr. H. L. McCrorey, several years earlier for a contribution. Mr. Duke did not respond to Dr. McCrorey's letter, but in the authorization of the establishment of the Duke Endowment on December 11, 1924, Johnson C. Smith University was included as one of the beneficiaries. Through the

years, the Duke Endowment has been of inestimable value to the continued development of the University.

Also in 1924, the institution was recognized by the North Carolina State Board of Education as a four-year college. In 1929, the high school department was discontinued, and the standard program was restricted to a college of liberal arts and sciences and a theological department.

In 1932, the University's charter was amended, providing for the admission of women to the senior division and the then 65-year-old institution for men then became partially coeducational. In 1938, the institution attained the status of an independent college, affiliated with the Presbyterian Church in the United States, reporting to the General Assembly through the Board of Christian Education.

The first residence hall for women, named in memory of James B. Duke, was dedicated in 1940. In 1941, women were admitted to the freshman class. When the institution's Diamond Jubilee was celebrated in 1942, the University was a fully coeducational institution.

Johnson C. Smith University joined the United Negro College Fund in 1944. This fund was organized primarily to provide funds to help church-related schools of higher learning to revamp their training program, to expand their plants, to promote faculty growth, and to create new areas of service. The institution's membership in the fund began to bear fruit immediately.

In November 1955, the Henry Lawrence McCrorey Theological Hall was dedicated and provided a new home for the 88-year-old seminary and its library. This new facility also provided space for a small chapel, classrooms, and offices. In 1969, the theological department was moved from Charlotte to Atlanta, Georgia, and became a part of the Interdenominational Theological Center. McCrorey Hall is now a classroom building for social sciences and social work.

Through increasing support from the Duke Endowment, the United Negro College Fund, and other sources, the period between 1955 and 1968 was one of expansion of the campus and enrichment of the curriculum. Seven new buildings were erected during this period: the gymnasium (1960), the Hardy Liston Residence Hall for women (1962), the University Memorial Union (1965), the Duke Memorial Library (1967), Myers Residence Hall for men and Sanders Residence Hall for women (1967), and a new science building (1968).

The University celebrated its Centennial Anniversary in 1967 by examining its past and making innovative and creative plans for the future. Since 1968, structures have been erected or renovated: the Johnson/Seabrook Education Building and Mary Irwin Belk Center, Greenfield Hall, the Lionel H. Newsom Humanities Building, the Robert L. Albright Honors College Center, the Faculty Center, the Edward E. Crutchfield, Jr. Center for Integrated Studies, a new residence hall, a Technology Center, a renovated Duke Memorial Library and The Irwin Belk Complex- a track, football and academic facility. The renovation of Biddle Hall was completed in April 2005.

The present site contains 100 acres of land and 39 buildings. The University has approximately fifteen hundred students and over 250 full-time faculty members, administrators, and staff members for administrative and support services.

Increasingly aware that today's demand for truly educated men and women is the most pressing in history and that quality and versatility are prerequisites to equal opportunity for all, Johnson C. Smith University faces the challenge of its second century with new vision and a calculated plan of action.

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, the "Queen City of the South," this historically African-American university has a residential campus with a familial atmosphere in which 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. Johnson C. Smith University 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, to the understanding of one's own heritage as well as an awareness of the cultures of others, to the exploration of the myriad forces affecting people of this complex, technological age, and to the formulation of a sense of one's role in this schema.

The mission of Johnson C. Smith University is to provide an outstanding education for a diverse group of talented and highly motivated students from various ethnic, socioeconomic, and geographical backgrounds. Johnson C. Smith University offers a liberal 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 in which students can fulfill their physical, social, cultural, spiritual, and other personal needs and in which 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, Johnson C. Smith University has a commitment to the recruitment and retention of 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, Johnson C. Smith 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 Johnson C. Smith University: President, Council of Deans, Vice President for Financial Affairs, Vice President for Enrollment Services and Student Success and Vice President for Institutional Advancement.

Office of the President: 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: Vice President for Financial Affairs, Vice President for Enrollment Services and Student Success, Vice President for Institutional Advancement, Assistant Vice President for Government Sponsored Programs and Research.

TRADITIONS AT JOHNSON C. SMITH UNIVERSITY

For nearly 140 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 at Johnson C. Smith University (JCSU).

Founders' Day, generally celebrated on the first Sunday of April, commemorates the founding of Johnson C. Smith University. In 1924, Johnson C. Smith 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 the first Black college in the South to receive regional accreditation. The first Black college 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 currently housed in the Johnson C. Smith University Archives.

Homecoming is celebrated each fall by hundreds of alumni and former students. Some of the festivities include class reunions, alumni meetings, dances, Miss Johnson C. Smith University's coronation, pep rallies, Greek step shows, the Homecoming football game and the magnificent Homecoming parade.

Bullfest is an annual "spring fling," during which students at the University participate in a rich variety of cultural, social, and recreational activities.

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

The School Colors, Gold and Navy Blue, were selected in 1895 by J. Henry Warren, Walter A. Middleton, and Thaddeus Jerome Coles, who were commissioned to select two colors to be adopted by Biddle University, now Johnson C. Smith University. The committee researched the meaning of many different colors to select the two most fitting, Gold and Blue, which had been the favorites of Mrs. Warren and Middleton, respectively, 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. The colors gold and blue were felt to appropriately bind students, alumni, and the University, 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 a school baseball game -- the University's first off-campus game. Though not officially organized, the famous "colored" team was known as "The Quick Steps" and drew support from both the black and white communities.

Gold and Blue Day is traditionally celebrated on the Friday prior to the Homecoming game (Parker, 1975).

ALMA MATER (Loyalty Song)

The choice of an appropriate school song became a matter of controversy between students and alumni in the 1920s. Rev. O. W. Winkfield (Class of 1911), proposed a college song, which, though considered to have much merit, was not adopted by the school. Another song, written by George Leonard Allen (Class of 1925) of the Kendall Institute 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, and today is sung at all formal University events in loyalty to Alma Mater.

**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.!

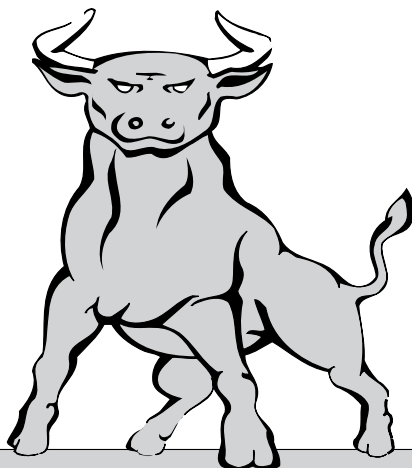
II

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

JOHNSON C. SMITH UNIVERSITY
GOLDEN BULLS

UNIVERSITY COLORS: GOLD AND NAVY BLUE

PUBLICATIONS

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

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

The Bulletin and the *President's Report* are published by the Office of Public Relations.

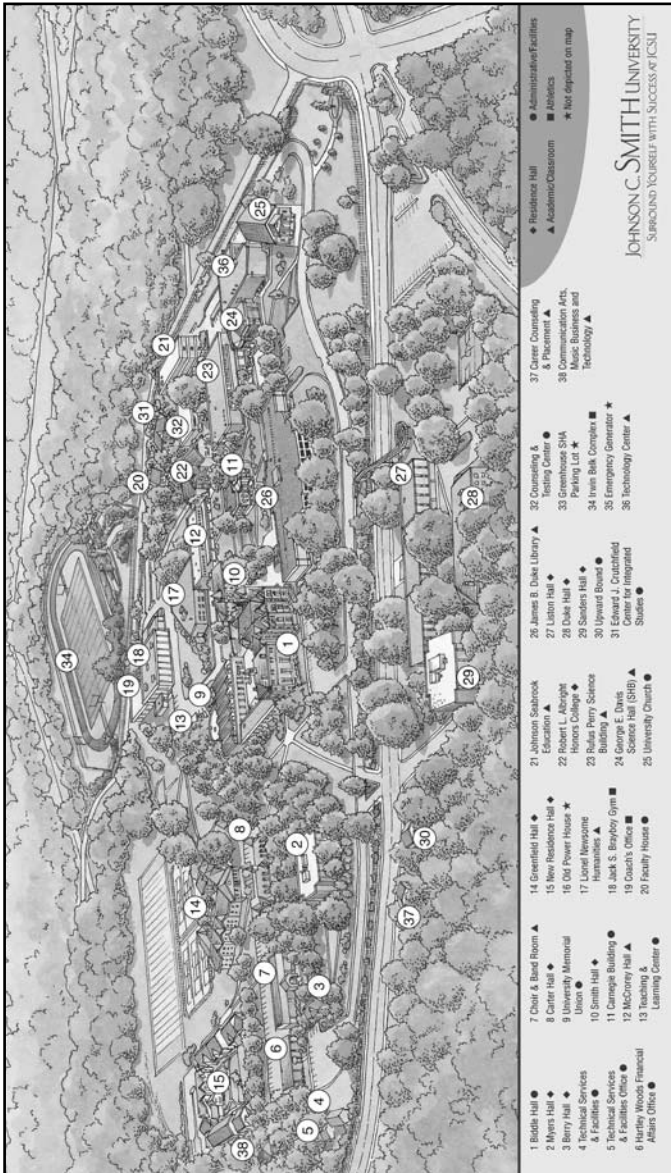
The Bulls Eye, *The JCSU Student News*, the campus newspaper, is published periodically during the school year by students and the Communication Arts program.

The Student Handbook is published by the Office of Enrollment Services and Student Success 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 *Undergraduate Research Journal* is published annually by the Undergraduate Research Journal Committee.

CAMPUS MAP



Johnson C. Smith University is located at 100-300 Beatties Ford Road near the intersection of West Trade Street, Fifth Street, and Rozzelles Ferry Road in Charlotte, North Carolina. Charlotte is served by the 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 54 students. It 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. Duke Hall is currently 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, is a gift of the late 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, 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 the late Mrs. Jane Berry Smith, was built in 1928 and was the original campus gymnasium. It is currently being renovated for use by academic programs.

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 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.

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 Enrollment Services and Student Success Building currently houses the Northwest Corridor and Upward Bound Programs.

Northwest Corridor Community Development Corporation. 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 Temporary Library constructed in 1997 to be used as the temporary facility for the University Library 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 is the newest building on campus and 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.



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 Johnson C. Smith 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 in the following courses: four units of English, three units of mathematics, two units of foreign language, two units of laboratory science, and two units of social science. Students are also required to submit results on the Scholastic Aptitude Test (SAT) or the American College Test (ACT).

All candidates for admissions are required to submit two letters of recommendation from guidance counselors, teachers or community leaders in addition to a personal essay to support their application for admissions.

Each candidate for admission to Johnson C. Smith University is reviewed 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 Vice President for Enrollment Services and Student Success. 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*).

7. Letter of recommendation from current faculty member (*Transfer applicants only*).
8. Transfer clearance form (*Transfer applicants only*).

Freshman Admission Requirements:

Generally admission to the freshman class is 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: **November 1st**

Fall Semester: **December 1 (Early Decision)**
March 15 (Priority Deadline)
May 1 (Final Deadline)

NOTIFICATION PERIODS

Spring Semester: Nov. 15th- Jan 1st

Fall Semester: April 1st - May 30th (First-time freshmen)
June 1st - June 30th (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 Johnson C. Smith 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.

Project Early Start is an early admission program designed especially for high school seniors in the Charlotte Metropolitan area who are interested in attending Johnson C. Smith University. 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 Johnson C. Smith University 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 curriculum of Johnson C. Smith University. Transfer students with more than 12 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 must prove to their instructors their ability to pursue successfully the courses for which they have registered. Such students may later become candidates for a degree by meeting all entrance requirements. Special students will 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 US 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* on page 169 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**. Non-Matriculation students are eligible to take credit and non-credit courses, but they are not seeking a degree and will not be eligible to advance toward degrees. Should a non-matriculation student elect to pursue a degree at a future date, only five (5) 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 Johnson C. Smith University. During campus visits individuals have the opportunity to tour the facilities, 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 call or write the Office of Admissions, Johnson C. Smith University, 100 Beatties Ford Road, Charlotte, NC 28216; telephone, 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

A student who has withdrawn in good standing and who subsequently seeks readmission and students 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 2010-2011 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 \$1,700.00 per year, or \$850.00 per semester. Students will be required to purchase textbooks at the beginning of each semester; consequently, students should be prepared for this expense when they arrive.

FULL-TIME TUITION FEE SCHEDULE FOR 2010-2011

On Campus	Per Semester	Per Year
Tuition	\$8,271.00	\$16,542.00
Room Charge	1,853.00	3,706.00
Meal Plan #1 (Incl. \$200.00 FLEX \$)	1,366.50	2,733.00
Total	\$11,490.50	\$22,981.00
Tuition	\$8,271.00	\$16,542.00
Room Charge	1,853.00	3,706.00
Meal Plan #2 (Incl. \$100.00 FLEX \$)	1,230.50	2,461.00
Total	\$11,354.50	\$22,709.00
Tuition	\$8,271.00	\$16,542.00
New Residence Hall	2,091.00	4,182.00
Meal Plan #1 (Incl. \$200.00 FLEX \$)	1,366.50	2,733.00
Total	\$11,728.50	\$23,457.00
Tuition	\$8,271.00	\$16,542.00
New Residence Hall	2,091.00	4,182.00
Meal Plan #2 (Incl. \$100.00 FLEX \$)	1,230.50	2,461.00
Total	\$11,592.50	\$23,185.00
Tuition	\$8,271.00	\$16,542.00
Greenfield Hall	1,987.00	3,974.00
Meal Plan #1 (Incl. \$200.00 FLEX \$)	1,366.50	2,733.00
Total	\$11,624.50	\$23,249.00
Tuition	\$8,271.00	\$16,542.00
Greenfield Hall	1,987.00	3,974.00
Meal Plan #2 (Incl. \$100.00 FLEX \$)	1,230.50	2,461.00
Total	\$11,488.50	\$22,977.00
Off Campus	Per Semester	Per Year
Tuition	\$8,271.00	\$16,542.00
Meal Plan #1 (Incl. \$200.00 FLEX \$)	1,366.50	2,733.00
Total	\$9,637.50	\$19,275.00

Tuition	\$8,271.00	\$16,542.00
Meal Plan #2 (Incl. \$100.00 FLEX \$)	1,230.50	2,461.00
Total	\$9,501.50	\$19,003.00

Tuition	\$8,271.00	\$16,542.00
Meal Plan #4 (No FLEX \$)	801.00	1,602.00
Total	\$9,072.00	\$18,144.00

PART-TIME TUITION FEE SCHEDULE FOR 2010-2011

Credit Hours	Per Semester	Mandatory Fees	Total Cost
11 Hours	\$4,169.00	\$826.50\$	\$4,995.50
10 Hours	3,790.00	826.50	4,616.50
9 Hours	3,411.00	826.50	4,237.50
8 Hours	3,032.00	826.50	3,858.50
7 Hours	2,653.00	826.50	3,479.50
6 Hours	2,274.00	346.50	2,620.50
5 Hours	1,895.00	346.50	2,241.50
4 Hours	1,516.00	346.50	1,862.50
3 Hours	1,137.00	346.50	1,483.50
2 Hours	758.00	0	758.00
1 Hours	379.00	0	379.00

Meal Plans	Per Semester	Per Year
Meal Plan #1 (Incl. \$200.00 FLEX \$)	\$1,366.50	\$2,733.00
Meal Plan #2 (Incl. \$100.00 FLEX \$)	1,230.50	2,461.00
Meal Plan #4 (No FLEX \$)	801.00	1,602.00

METROPOLITAN COLLEGE FEE SCHEDULE FOR 2010-2011

	Per Semester
Tuition Per Credit Hour	\$295.00
Computer Lab Fee	100.00
Parking Decal	30.00
Total	\$425.00
Matriculation Fee	\$100.00
Golden Bull Academy/Freshman Orientation	\$100.00

SUMMER SCHOOL FEE SCHEDULE FOR 2011

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 \$25.00 per month.

Payments should be made no less than two weeks prior to due date or paid in person at the time of registration. Students are strongly urged to pay in advance to reduce the registration procedure time. Remittance of money for school expenses must be made by credit card, debit card or certified check or money order payable to Johnson C. Smith University. The University does not accept personal checks. Address payments to Business Office, Johnson C. Smith University, 100 Beatties Ford Rd., Charlotte, North Carolina 28216-5398.

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

Part-Time Fees

Students who enroll for **six (6)** 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 (6)** 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 attendance in all of his or her classes, the school will recalculate the student's Federal Pell Grant award based on the lower enrollment status. For instance, if a student registers for a full time course load (12 hours) but only begins attendance in three classes (9 hours): in this case, the student's Pell must be recalculated based on the lower enrollment status. Please note this is different than 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 6 hours at the time of disbursement to be eligible for the Subsidized or Unsubsidized Loans.

STUDENT ACCOUNTS CREDIT BALANCE REFUND POLICY

All Students shall receive a full refund of excess amounts over the direct cost within fourteen (14) days of the date of the credit balance. To ensure timely issuance of refunds, students must:

- 1) Attend Budget/Credit counseling with the Financial Aid Office if necessary.
- 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 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 of the Financial Aid Office will sign the form and send a copy of the completed withdrawal form to the Office of the Registrar where 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: If the student has an ID card, it must be deposited in the Office of Financial Aid on the same day that 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 hours 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 nor less than twelve will not be charged for changes in hours. However, according to the following policy, effective January 2001, all students making changes in registration will be charged a \$10.00 fee per change after the first change. Only one program change after Registration will be without cost.

Academic Dismissal, Disciplinary Dismissal, Submission of Materially False Information. Any student dismissed from enrollment at the University at any time during the semester for academic or disciplinary reasons, or for the submission of materially false information in any admission application or transcript shall not be entitled to any refund of tuition, and any fees that have been previously paid, and shall be liable for any fees that remain unpaid for that 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 to 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 the Director 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 these 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 will be required to pay, at replacement cost, 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. The student is 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 which provides financial assistance to over 70% of the student body. Financial assistance is offered to all eligible and admitted students as long as they are meeting the Satisfactory Academic Progress Scale. Financial assistance from Johnson C. Smith 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 & board) less the family contribution as determined by the Free Application for Federal Student Aid (FAFSA). The cost of books is NOT included in the cost of attendance calculation.

Students who apply correctly 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 the loan is denied, the parents are expected to pay the difference with the Financial Affairs Office.

The promptness of the Financial Aid Office depends upon each applicant.

Students, parents, step-parents, and guardians, should provide all requested information as promptly and accurately as possible and notify the Financial Aid Office of the details of any significant changes in their financial circumstances during the year. Students who wish to receive federal, state, or scholarships are required to apply each year.

Most awards are based on need and 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 a succeeding year. There may be variations in the amount of assistance from year to year because of changes in student resources, family financial circumstances, and cost of education or changes in aid policies and changes in federal and state funding.

Eligibility for Student Financial Aid

Students are considered to be making sufficient academic progress to remain eligible for student financial aid if they maintain the academic average according to the scale, which appears in the academic program section, and have earned the corresponding number of credit hours. Summer School attendance provides the only exception to this policy. A student is eligible for federal aid for up to 12 semesters.

Transfer students must meet the same requirements as regular students to be eligible for financial aid. Financial aid transcripts must be on file in the University's Financial Aid Office before any consideration for financial aid can be given. Transfer students who are in default of their Federal Stafford Loans at a previous institution are not eligible to receive financial aid of any kind at Johnson C. Smith University. 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 on-line as soon as possible after January 1. At the latest, these forms should be completed 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 Admissions Office.

3. Students selected for Verification (selected to send the financial aid office copies of most recent year's taxes) must complete all steps required. Until verification is successfully completed, *a student may not receive an award letter. If a student is awarded 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.* Please note all taxes must be signed to be accepted.
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 Student 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, room, and board are adjusted according to the 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 program 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 for a PLUS loan) will repay to the appropriate Financial Aid program 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 30 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 that must be returned will be calculated. Please review the university's academic calendar for 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, 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 your family's financial circumstances change significantly; (You must contact the financial aid office 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 (increase or decrease in your financial resources, change in name and/or withdrawal or transfer from JCSU).
- Enroll for the necessary number of credit hours, and attend those classes.
- Repay loans in accordance with repayment schedules.
- File any deferments that are necessary for prior loans from different schools.
- Contact the financial aid office if you are in Default.
- Provide any additional information as requested by the Office of Student Financial Aid.
- Officially withdraw with the appropriate departments to terminate course of study.

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; however, 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. Extension of time may be granted by the Committee on Admissions, Academic Standards and Financial Aid.

FINANCIAL AID PROGRAMS

Pell Grant

The Pell Grant is a federal entitlement program that provides funds to students pursuing a first undergraduate degree. To be eligible for the Pell Grant, 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 e-mail. All transaction copies of the SAR are sent to the Financial Aid Office 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 and are contingent upon verification may change after Pell is complete. If Pell has been disbursed and a student has not attended class at any status, the Pell 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 to students who receive a Pell Grant. The grant can range from \$100-\$1500 per academic year to enable an equitable distribution for the demand for assistance. The deadline for Pell eligible students to be considered for this grant is March 1.

Academic Competitiveness Grants (ACG)

Academic Competitiveness grants are awarded to students who can demonstrate that they completed a rigorous high school program of study before enrolling in college. Eligible students receive up to \$750 in their first year of college, and \$1,300 for the second year if they also maintain a 3.0 grade point average in college. This grant is awarded to students over and above any other grants or scholarships. The program is one among many government grant programs for students. This program is different from other need-based grant programs because students must demonstrate completion of a rigorous course curriculum in high school.

Science and Mathematics Access to Retain Talent Grant (SMART)

The U.S. Department of Education offers SMART grants to Pell-eligible students enrolled in the third and fourth years of bachelor's degree programs who are pursuing majors in mathematics, science, technology, engineering or a critical foreign language. Eligible students receive \$4,000 per year. SMART grants do not count against other state or federal grants for which students are eligible. The SMART grant (Science and Mathematics Access to Retain Talent) was created to encourage more students to pursue degrees in high-demand areas.

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 Johnson C. Smith University. 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 on the award letter. Federal Work-Study gives the student a chance to earn money to help meet their educational expense. Students are employed on campus by a variety of departments and offices, with the typical student working approximately 10-15 hours per week. Students participating in this program must be full-time.

North Carolina Legislative Grant (NCLTG)

The state of North Carolina appropriates each year a grant that assists residence of North Carolina. This grant is awarded based on the student's completing an application for NCLTG, 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. This entitlement grant is funded by the state legislature.

North Carolina Contractual Grant (NCCG)

The state of North Carolina appropriates funds to be administered through Johnson C. Smith University to provide aid NC resident with substantial need. The amount cannot exceed tuition and varies according to demonstrated need. Such funds are awarded through the Office of Financial Aid and are distributed based on the availability of funds. The funds are also prorated for students who are less than full-time.

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 demonstrated full Pell eligibility. The program is funded by the state of North Carolina and administered through College Foundation, Inc., in Raleigh. Students may apply by completion of the FAFSA from 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 (LOTTERY)

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

Institutional Aid Program

Johnson C. Smith University administers various types of scholarships. Academic scholarships are awarded based on academic achievement (3.2 or better GPA is required). 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.

Athletic Grant-In-Aid

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

Grants-in-Aid: Grants-in-aid are available to students with athletic or musical ability. Awards are made for performance in football, basketball, track, tennis, golf, softball, or volleyball as well as 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 President of Johnson C. Smith University.

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 off grant in aid (academic, athletic, choir nor band). Grant In Aid may be subject to reduction or cancellation if credit is generated from this source.

Music Scholarship

Music Scholarships are available to students who demonstrate exceptional skills in band and choir. Either the band director or choir director at Johnson C. Smith University must recommend recipients of 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.

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 approved by and completed with the Business office.

Charlotte Incentive Grant Award (CIGA)

CIGA is granted to students who graduated from a Charlotte Mecklenburg County High School with a GPA of a 2.5 minimum. 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 at www.UNCF.org. All applications require at least

one letter of recommendation and an essay. Essays and resumes should be edited before they are submitted. The Office of Institutional Scholarships will request an official transcript and the financial need statement for applicants.

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 60 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 and of the repayment schedule and interest to be paid by the United States Department of Education. Parents complete information forms with the financial aid office. The information is submitted for approval and if approved the loan is originated. The parents are required to sign their master promissory note electronically. Once the signed master promissory note is received, funds are drawn down and applied to the student's account. Because 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.

William D. Ford Federal Direct Loan (Direct Loan) Stafford Student Loan Program

Direct Federal Stafford Student Loans are provided by the US government directly to students. All Stafford Loans are either subsidized (the government pays the interest while you're in school) or unsubsidized (you pay all the interest, although you can have the payments deferred until after graduation). To receive a subsidized Stafford Loan, you must be able to demonstrate financial need. With the unsubsidized Stafford loan, you can defer the payments until after graduation by capitalizing the interest. This 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 10 years, although one can get access to alternate repayment terms (extended, graduated and income contingent repayment) 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 United States Department of Education. These loans are based on a credit approval and begin repayment 6 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, but without exceeding, the cost of attendance minus other financial aid.

Loans

Federal Perkins Loans

A Federal Perkins Loan is a low-interest (5 percent) 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. The student may borrow \$4,000 for each year of the undergraduate study (the total amount you can borrow as an undergraduate is \$20,000). The financial aid office reserves the right to adjust or cancel this aid element based on new information received. The Perkins Loans is also reserved for direct cost and refunds cannot be generated from this federal aid element. Current proposed regulations may affect the future of this fund.

DC College Access Program (DC-CAP)

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

DC Leverage Education Assistance Program (DC-LEAP)

Formerly the D.C. SSIG Grant, are need-based, undergraduate study grants 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.

D.C. 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 United States. Student must be a DC resident and have completed DC-ONE APPLICATION.

D.C. 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,

Adoption Scholarship is neither need nor merit-based. DC Adoption is a scholarship in which the award calculation 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 16 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 financial aid office of the source and the amount of the scholarship. This amount is on the student's award notice. Adjustments are made to awards where an over award occurs. If the scholarship is forwarded to the Business Office, a copy of the letter and a check is forwarded to the Office of Financial Aid.

Part-Time Employment

Federal Work-Study: The federally supported Federal Work-Study Program provides jobs for students clearly in need of assistance to enter or to continue in school. Jobs are available in all areas of the University. Students approved for the Federal Work-Study Program are allocated a specific number of hours which they may work during the academic year, based on the extent of their financial need. The average student job requires up to 20 hours per week. 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.

DEGREE/GRADUATION REQUIREMENTS — 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.

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, 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 singularly awarded, may not exceed financial need. Therefore, if a student receives additional financial assistance from any outside source, the institution reserves the right to reduce the amount of gift and/or scholarship assistance accordingly. Johnson C. Smith University Scholarship may consist of funds which the University has solicited from external agencies. Examples may include UNCF Scholarships, Duke Scholarships and other scholarship funds received from external agencies. Hence, 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 state that students may not receive a refund credit from any institutional aid. This credit will be returned to the university

Scholarships and Awards

Academic Scholarships: Scholarships are awarded on the basis of a student’s academic achievement. 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. A limited number of academic scholarships are offered in the freshman year, primarily to participants in the Honors Program. 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 if funds are available. All other scholarships are awarded by July 1 for the next academic year. Students interested in academic scholarships should pick up a scholarship 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 Office of Financial Aid for additional information on scholarship criteria, award amounts and other scholarship opportunities.*

Other Forms of Educational Assistance

Other sources of financial aid not administered by the Office of Financial Aid are available for assisting 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.

ATHLETICS

Physical education, health, and athletics are considered integral parts of the total educational program offered at Johnson C. Smith University. 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.



ACADEMIC REGULATIONS

REGISTRATION

All students must register at the beginning of each semester, whether they were in residence the preceding semester or not. Students are required to register at the University on the days designated for this activity. New students will be advised regarding courses and registration procedures during orientation sessions at the beginning of each semester. Dates specified for new students to register are listed in the University Calendar. All students will report for registration as indicated in the University Calendar.

Late Registration: Returning students may be allowed late registration upon the payment of a late fee of \$200.00, but no student will be permitted to register later than the time specified in the calendar without special permission.

Changes in Registration: Students who find it necessary to change their program of study by dropping or adding a course after registration **MUST** make the change through the Registrar's Office on forms provided for that purpose. For any such change, the student must obtain the permission of her/his mentor/advisor. **All program change requests should be completed by the deadlines in the University Academic Calendar for the LAST DAY TO ADD A COURSE and LAST DAY TO DROP A COURSE for the applicable term.** The University's Academic Calendar is published in the University catalog and on the JCSU Web site (www.jcsu.edu – click on 'Academics'). The calendar is also available from the Council of Deans' Chamber. 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 Office of the Registrar.

Student Course Load and Excess Hours: The normal course load for students is 15-16 credit hours. In the Summer Session, the maximum load is nine credit hours.

Maximum Load

1. During the semester, a student may not enroll for more than 18 hours, unless that student has a 3.0 grade point average (GPA) overall or for the previous semester. Such students may apply to enroll for additional credit hours not to exceed a total of 22.
2. Any student who desires to enroll for more than 18 hours must have a 3.0 overall GPA, obtain permission from her or his advisor or department chair, and College Dean. Forms to enroll for more than 18 hours may be obtained in the Council of Deans' Chamber.

3. During a summer term, a student may not enroll for more than nine hours unless he/she is a candidate for graduation in July. July graduation candidates may enroll for up to 10 semester hours during the summer term.

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 by the use of the following grades: **A, B, C, D, P, F, or I**. **A** denotes excellent scholarship; **B**, good; **C**, fair; **D**, poor. Work reported as the 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 **I** indicates that the work 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 A GRADE OF **I**, THE INCOMPLETE GRADE BECOMES A PERMANENT **I**, DENOTED BY A '**Z**'. A student who officially drops a course will receive the 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); I (Incomplete); P (Pass); or W (Withdrawn).

Quality Points: Quality points are determined by multiplying the number of credit hours which 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. Thus, a student receiving a grade of **A** in a three credit hour course will earn 12 grade points. A grade of **A** in a two credit hour course will result in 8 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 EARNED A GRADE OF '**C**' IN THE PREREQUISITE COURSE.

Free Electives: All students are allowed to take a minimum of six semester hours of credit of their choice during their enrollment. These are not general requirements or major requirements.

Grading and Promotion: The University reserves the right to have decisions regarding grading and promotion made by the exercise of the sound discretion of the University faculty. Students receive a final grade or a grade of Incomplete, 'I', in each course. If a faculty member has made an error in assigning the final grade, the faculty member may initiate a 'Change of Grade' form with the appropriate documentation. If a student receives an Incomplete, the 'I' 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 with the instructor involved the grade appeal process to determine if there has been an error or some misunderstanding about the quality of the work in the course. 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 30 days after the beginning of the next semester after the one in which the final grade in question was received; otherwise, the grade in question will stand. The University will resolve any adequately filed formal written appeal within 30 days.

ENROLLMENT STATUS

Full-time: In order to be full-time, a student must be enrolled for a minimum of twelve (12) semester credit hours.

Part-time: Any student enrolled for fewer than twelve (12) semester credit hours in the Fall or Spring semesters or fewer than six (6) 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 in attendance at the University. In many cases, students are capable of completing their degree requirements within a 4-year period by earning an average of 16 credit hours per semester. However, depending upon academic major or other factors, students may require longer than 4 years for completion.

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 have some responsibility for their own education and must pursue and complete academic coursework which will permit them to meet baccalaureate degree requirements within a reasonable time frame. Accordingly, and in compliance with appropriate and applicable federal regulations and requirements, Johnson C. Smith University shall adhere to the following definitions and policies for the determination of "satisfactory academic progress" towards degree completion.

Any petitions for exemptions to the requirements below may be examined by the University's Committee on Academic Standards. The petitions must be in writing and must 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 *

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

Any full-time student enrolled beyond four (4) 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 (13) semester hours in the Fall or Spring Semester and no more than six (6) semester hours in the Summer Session. An exception to this policy may be made on an individual case basis as deemed appropriate by the College Dean. Students on sanctions will be assigned an Advisor in their college or the Biddle Institute to engage in bi-monthly intrusive advising conferences. Attendance logs with notes on the meeting will document the student's

commitment to academic success. Failure to attend mandatory advising conferences or failure to complete activities assigned by the Advisor will jeopardize an appeal regarding any future sanctions later in the student's career including application for readmission under the Phoenix Policy.

Intrusive advising in the appropriate College or the Biddle Institute will be mandatory for students at every level of sanctions: Warning, Probation, Suspension, Dismissal, and readmission under the Phoenix Policy. Attendance logs with notes on the meetings will document the student's commitment to academic success. Failure to attend mandatory advising conferences or failure to complete activities assigned by the Advisor will jeopardize an appeal regarding any future sanctions later in the student's career including application for readmission under the Phoenix Policy.

Any first semester freshman who has two or more "F's" 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 for undeclared student. Attendance logs with notes on the meetings will document the student's commitment to academic success. Failure to attend mandatory advising conferences or failure to complete activities assigned by the Advisor will jeopardize an appeal regarding any 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 their warning status. Students who are on academic warning will be assigned an Advisor in their college or the Biddle Institute. Both areas will engage students in bi-monthly intrusive advising conferences. Assigned Advisors will document attendance and completion of assigned activities. Students who fail to complete Advisor assignments are considered to be academically non compliant 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 will 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 will have no opportunity to appeal the decision for future reinstatement. Students on probation may enroll and fully participate in

the Academic Enhancement Seminar (AES 111). Students on probation will be assigned an Advisor in their college or the Biddle Institute to engage in bi-monthly intrusive advising conferences. Attendance logs with notes on the meeting will document the student's commitment to academic success. Failure to attend the Academic Enhancement Seminar, mandatory advising conferences and/or failure to complete activities assigned by the Advisor will jeopardize an appeal regarding any 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 prior to the beginning of the suspension period are eligible for immediate reinstatement to the University and 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 (federal and state aid). Any student with dismissal status is not eligible to attend another postsecondary institution to acquire transfer credits.

Dismissed students may petition to the Dean of their major or the Director of the Biddle Institute for undeclared students for the privilege to have their dismissal lifted for Summer School to retake up to six credits of JCSU courses to be determined by the Dean of their major or the Director of the Biddle Institute for undeclared students. Failure to earn grades of "C" or above under the privilege of summer school 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 for 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 for undeclared students 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 if undeclared by the Director of the Biddle Institute.

PHOENIX POLICY

The Phoenix Policy is designed to enable 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 (15) semester hours in the semester they are readmitted, or six (6) semester hours in summer school. Failure to meet the Satisfactory Academic Progress Scale by the time a readmitted student has completed 36 credit hours will result in dismissal with no opportunity to petition for readmission. Readmitted students will be assigned an Advisor in their college or the Biddle Institute to engage in bi-monthly intrusive advising conferences. Attendance logs with notes on the meeting 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 Johnson C. Smith University he/she must make a written appeal for reinstatement. The appeal should be addressed to The Committee on Academic Standards, c/o the Council of Deans. If a student's academic appeal is successful, a separate letter of appeal, must be submitted to the Office of Financial Aid for that Office to consider reinstatement of financial aid. Upon review of the student's request and documentation, the student will be notified of the decision of the Financial Aid Committee. If a student is not meeting satisfactory progress, he/she is given one appeal for financial aid. Once the student is re-admitted 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 full semesters.

UNIVERSITY HONORS

A list consisting of students who have earned a grade point average (GPA) 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 Incomplete for the semester in question will be considered for the Dean's List. Students who have earned a GPA of 4.0, have a minimum of fifteen semester hours, and have not received a grade of Incomplete for the semester in question are designated as Presidential Scholars. The names of Presidential Scholars are published yearly.

GRADUATION

All graduation requirements must be completed and officially documented in the Office of University Records (Registrar) for a student to participate in the Johnson C. Smith University 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 4) for the class. The policy does not apply to internships and student teaching. Attendance policies for these classes will be determined by the offering department.** A student is expected to attend all classes and not be absent without adequate cause. It is the responsibility of the student to make up scheduled work missed because of class absences. Absence from unannounced tests and other assignments may be made up at the discretion of the instructor. Students who exceed the maximum number of absences may receive a failing grade for the course.

Instructors are expected to explain the attendance requirements at the beginning of the semester and to include these requirements in the course syllabus issued to students. Instructors are required to maintain accurate attendance records on all students and, if requested, to report to the Council of Deans any student who exceeds the number of absences allowed in that class 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, 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, one day's 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 where 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 Handbook and of the penalties for dishonesty. This is especially important in the case of plagiarism.

DRESS GUIDELINES

The University dress guidelines, stipulated as follows, 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 is enforced. Students who fail to comply with the dress 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 common areas of the University. 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 or in common areas of the University or at University sponsored activities or events. The exception is for residence hall fire drills and other evacuation warnings.

POLICY ON DISRUPTIVE BEHAVIOR

Academic excellence demands that appropriate behavior and decorum be maintained by students at all times in the classroom. Johnson C. Smith University will not tolerate disruptive behavior by students or condone any

behavior by students or teachers which incites such behavior. Disruptive behavior is defined here as any behavior which causes disorder or turmoil to exist in the classroom.

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

1. The instructor will request the student to discontinue the disruptive action.
2. If the behavior continues, the instructor will instruct 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, advisor, Office of Enrollment Services and Student Success, and the Office of Freshman through Senior Year Experience.
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 cited will result in expulsion from the class and a grade of 'F' recorded in the semester in which the offense occurred.

PARTICIPATION IN CO-CURRICULAR ACTIVITIES

No University student with at least one semester of course work attempted and/or completed at Johnson C. Smith University and a cumulative grade point average or credit hours earned below the requirements of the University's Satisfactory Academic Progress Scale (see page 58) 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 per semester program fee must be paid by each student. Failure to participate in or pay for the Mobile Computing Program may, in JCSU'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 be charged the per-semester 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. JCSU 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 JCSU policy, he or she will also be assessed the full replacement cost of the System.

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 twenty-five per cent (25%) of the final grade in a course. FAILURE TO TAKE A FINAL EXAMINATION DOES NOT GUARANTEE A GRADE OF INCOMPLETE (I) in a course. Students who do not fulfill their financial obligations to the University will not be allowed to take final examinations at the end of the semester.

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: A STUDENT WHO, AS A RESULT OF SICKNESS OR SOME OTHER UNAVOIDABLE CAUSE, HAS NOT FULLY SATISFIED THE REQUIREMENTS OF A COURSE MAY BE GIVEN A GRADE OF INCOMPLETE (I), IF THE SUCCESSFUL COMPLETION OF THE WORK WILL ENABLE THE STUDENT TO EARN A PASSING GRADE IN A COURSE. The incomplete may be removed while the student is not enrolled, but it must be removed within six weeks after the beginning of the next semester in which the student is enrolled. When the work is completed, the student must secure the necessary form from the Office of the Registrar, and submit the form to the instructor, who will report the final grade to the Registrar.

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'.

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 EARNED THE GRADE OF 'F' MAY ONLY BE REPEATED AT JOHNSON C. SMITH UNIVERSITY.**

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 of the Financial Aid Office will sign the form and send a copy of the completed withdrawal form to the Office of the Registrar where 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.

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 six regional accrediting agencies of the United States and must offer courses equivalent to those at Johnson C. Smith University.
2. Approval of transfer credit is to be secured in writing by the student from instructors, advisors, chairs of the departments at Johnson C. Smith and the Registrar by obtaining the proper signature on a Transfer of Credit form prior to enrollment in the course. The form is obtainable from the Registrar's Office and, after being properly executed, returned to the Registrar's Office. Elective credits may be received for certain courses which do not correspond to any offered at Johnson C. Smith, 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 WITH GRADE BELOW C WILL NOT BE ACCEPTED.** Where quarter hours are taken, they will be converted at the rate of five quarter hours to equal three semester hours.

4. Normally, no more than fifteen hours, EXCLUDING COURSE WORK 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 follow:**

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 142; 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)	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.

Placement Tests: Placement tests are administered by the University during Golden Bull Academy and during New Student Week to all students in mathematics and selected students in Spanish, French and 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 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 students received at the end of the terms for which he/she was enrolled.

TRANSCRIPTS

Official transcript requests for current students can be made through the Registrar's Office. Official transcript requests for Alumni and/or former students can be made through the National Student Clearing house at (703 -742-7791) or (www.studentclearinghouse.org). 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 \$10.00 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 90 credit hours of course work.

Juniors: Students who have, unconditionally, at least 60 credit hours of course work.

Sophomores: students who have at least 30 credit hours of course work.

Freshmen: All other students, not registered as special, who have fewer than 30 hours of course work.

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 the student's 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 consist of: (1) Permanent Academic Record Folders and Transcript of Grades, (2) Student Personnel Records, (3) Disciplinary Records, (4) Student Accounts (Business and Financial Affairs), (5) Financial Aid Records, (6) Medical Records, (7) Admissions Records, (8) Counseling Records, (9) Placement Records, and (10) Academic Advisement Records.

A student must give to the Office of the Registrar written authorization 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 389 for further information.



ACADEMIC PROGRAMS

At Johnson C. Smith University University, the educational program is continuously under review. As a result of that review, experimental courses/ programs are being offered. These explorations will be continued and enhanced during the 2010-2011 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 – and their academic units, the University offers 28 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

<i>College</i>	<i>Department</i>	<i>Degree</i>	<i>Concentration [C] Major & Minor [M] Licensure [L]</i>
<i>College of Arts & Letters</i>	<i>Language and Literature</i>	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]
	<i>Interdisciplinary Studies, Philosophy and Religion</i>	Interdisciplinary Studies [B.A.]	Interdisciplinary Studies [M] Global Studies [M] Philosophy [M] Religion [M]
	<i>Social and Behavioral Sciences</i>	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] Social Science [M] Social Studies Education [C] General Social Science [C]
	<i>Visual, Performing and Communication Arts</i>	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]

<i>College of Professional Studies</i>	<i>Business Administration and Economics</i>	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]
	<i>Education</i>	Elementary Education [B.A.] Second Level Teacher Licensure	Mathematics [L] Physical Education [L] Health [L] Social Studies [L] English [L]
	<i>Health & Human Performance</i>	Health Education [B.S.] Physical Education [B.S.] Sport Management [B.S.]	
	<i>Social Work</i>	Social Work [B.S.W.]	
<i>College of Science, Technology, Engineering & Mathematics</i>	<i>Computer Science & Engineering</i>	Information Systems Engineering [B.S.] Computer Engineering [B.S.] Computer Science/ Information Systems [B.S.]	Computer Science [M] Computer Engineering [M] Bioinformatics [M]
	<i>Natural Sciences and Mathematics</i>	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 or the Honors Program.

LIBERAL STUDIES PROGRAM

The Johnson C. Smith University University 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' development of 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 which enhances skills development and which 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.
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 ART 231
	Total core hours - 15	Total complementary hours - 36 Total Liberal Studies hours - 51

* Any Biology or 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 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 or

an equivalent course. Students with prior computer knowledge may meet this requirement by making 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 & ENG 132.

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 in the study of a foreign language as electives or upon recommendation of their major departments.

Students who have not previously studied a foreign language may enroll in one of the following courses: Arabic 131, Chinese 131, French 131 or Spanish 131. Students who wish to satisfy the language requirement with a language other than the ones listed immediately above may take the equivalent of 131 and 132 at a college within the Consortium.

EXEMPTION FROM PHYSICAL EDUCATION ACTIVITIES

Each student is required to participate in the University physical education program. Students with physical disabilities of any nature may take Physical Education 026 (PED 026) to satisfy the PED activity requirement. Before enrolling in these courses a student will need to have a statement from her/his personal physician. This information must be documented in the Department of Health and Human Performance. FORMER MILITARY PERSONNEL ARE EXEMPTED FROM 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 required for freshmen. Orientation 120 is the requirement for the transfer students. Orientation courses are graduation requirements.

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 18 credit hours of writing, thinking, reading, quantitative reasoning and speaking intensive classes for graduation; ideally, three hours each semester are taken starting in the sophomore year. Credit for LAC classes may be earned in Liberal Studies, major, or elective courses.

The Learning Across the Curriculum course experience culminates in a Senior Investigative Paper required of every student for graduation. Faculty members advise their respective majors in preparing the Senior Investigative Paper; the details of scheduling and exact requirements vary from department to department. In many departments, students begin topic formulation, research design, preliminary research, and literature searches in their junior year. Students will receive detailed information on the paper requirement in their major from department advisors and other faculty members.

HONORS PROGRAM

The Honors Program at Johnson C. Smith University 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 within their major 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.

Programming to build the community of Honors students is done via the Honors Program Director which is housed in Biddle Institute. Additionally,

a 5-member Student Honors Advisory Board will assist with planning and coordination of Honors Program Activities. This advisory board reports to the Honors Program Director.

COMMUNITY SERVICE

Two (2) important core values for Johnson C. Smith University (JCSU) are caring and servant leadership. All students are challenged to develop a sense of social and civic responsibility. **Therefore, community service is a requirement for graduation.**

Students must satisfy **a minimum of 10 hours per year**. Transfer students' hours will be calculated based on the number of semesters in attendance at the University. Non-traditional students enrolled in Metropolitan College and students re-admitted after five (5) years academic absence from the University may apply to have up to fifteen (15) hours of community service completed during the twelve (12) 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.

COMMUNITY SERVICE

The Center for Applied Leadership & Community Development, located in the Edward Crutchfield Center for Integrated Studies (Bldg. #31), is the clearinghouse for all community service and service-learning opportunities. The Program Manager for Service Learning & Community Partnerships at the Center will handle administration of the program. The Program Manager will provide a list of approved service sites for all students. Service sites are required to be tax-exempt organizations, as designated by the Internal Revenue Service. Organizations interested in becoming an approved service site must complete the selection process prior to being placed on the community service site list.

The Program Manager records and maintains the database for student service hours for graduation, 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 website (www.jcsu.edu). Hard copies of the time sheet will be available in the Library, Student Activities Office and in the 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 30th of the fall semester and April 30th 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.** All time sheets must be submitted in 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 signature of the site supervisor or his or her authorized designee.

Students who wish to undertake community service at home during academic breaks must have prior approval. The Request for Approval Form must be completed and submitted at least thirty (30) days before the assignment is to begin. No more than twenty (20) hours of community service may be completed at home. The service site(s) must meet the same guidelines and go through the same selection process. Once approved, students must do 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 are subject not to be counted. Students must use the official time sheet to log their hours. The original time sheets signed by the authorized representative must be returned to the Center no later than thirty (30) days after service completion. No facsimiles will be accepted.

Hours worked by students participating in 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 and the form should be signed by the student, as well as the Director of the Center for Career Development or other appropriate staff in the Center for Career Development.

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 participants are enrolled. Service-learning provides structured time for thoughtful planning of the service project and guided reflection by participants on the service experience. Overall, the most important feature of effective service-learning programs is that **both** learning and service are emphasized.

Selected courses will be designated on the schedule by (S). Students participating in a service learning course are required to submit a time sheet for their service hours. The course professor's and site supervisor's signatures 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 30th of the fall semester and April 30th 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.

ACADEMIC SUPPORT

The Academic Center for Excellence (ACE) provides academic support through the Mathematics Laboratory, Writing Center, and General Tutorial Laboratory.

REQUIRED COMPETENCY TESTING

For students entering the University after the Fall of 1988, performances on competency tests will help determine their academic progression. Second-semester sophomores will be required to take tests in basic communication and cognitive competencies. Seniors will be required to take tests in their major fields in order to graduate from the University.

LYCEUM SERIES

The Lyceum Series, administered by a committee representing a cross section of the University, sponsors artists, entertainers, guest lecturers and other individuals who are recognized as being able to contribute positively to students' education, growth, leadership, and sense of social responsibility. Funds for the Lyceum series are generated through student fees, and students are urged to provide input regarding speakers, artists, educators, and others whom they would like to invite to the campus. Faculty/staff members and students who serve on the Lyceum Committee are appointed by the President. Together, they plan a comprehensive program of co-curricular activities and evaluate the effectiveness of Lyceum activities. Faculty is instrumental in promoting student participation in the Lyceum Program and in ensuring that it complements classroom activities. Effective Fall 2001, attendance at eight (8) Lyceum events are required for graduation.

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 30 nor more than 62 hours of credit, including all required support courses (excluding general education (Liberal Studies) program courses). A support course is one deemed complementary to or 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 62 credit hours for a major. All degree programs include a minimum of 6 credit hours of electives freely chosen by the student.

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

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

(Concentrations in General Social Science and Social Studies Education)

Social Work

Spanish

Sport Management

Visual and Performing Arts

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

APPLICATION FOR MAJOR

It is recommended that students apply for a major not later than the end of the fall semester of the sophomore year so that department chairs will have adequate time and opportunities to observe and to 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 Office of the Registrar. When the major is approved, the department chair retains a copy of the application and the student returns the second copy to the Registrar.

CHANGING OF MAJOR

A student may change a major by obtaining the proper forms from the Office of the Registrar. When the change is approved by the department chair, the department chair retains one copy and the student returns the second copy to the Registrar.

MINORS

Students at Johnson C. Smith University University 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 not later than the end of the fall semester of the junior year. Such a time schedule permits the department chair to assist the student 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 Office of the Registrar. 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 department chair and one copy is returned to the Office of the Registrar by the student.

CHANGING OF A MINOR

A student may change a minor by obtaining the proper form from the Office of the Registrar. When the change is approved by the department chair of the new minor, one copy remains in the department and the second copy is returned to the Office of the Registrar by the student.

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 course work leading to the degree of 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 at least a grade point average of

3.00 to 3.49. To graduate *magna cum laude*, a student must have spent at least three years in residence at the University, have an earned grade point average of 3.50 to 3.69, and have 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 no final grade below C.

GRADUATION

Application for Degree: Seniors are required to file an application for degree, indicating 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 122 credit hours, must earn a minimum overall grade point average of 2.00, must earn a minimum grade of C in any course that counts toward the major, must satisfy all requirements of the curriculum in the Liberal Studies Program or the Honors Program Program, must complete all requirements for Community Service and the Senior Investigative Paper, and, for all students entering the University after the Fall 2001 semester, must 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, current requirements must be met after that period of time. 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 32 of the 122 semester hours required must be earned at Johnson C. Smith University University. Exceptions to this requirement may be made when approved by the respective College Dean, major advisor, department offering course or courses in question, and the President. This exception does not apply to students that transfer 90 hours to JCSU. **STUDENT RESPONSIBILITY: FAMILIARITY WITH THE UNIVERSITY CATALOG, MAINTAINING A SATISFACTORY GRADE POINT AVERAGE, PROPER COMPLETION OF THE ACADEMIC PROGRAM, AND SATISFYING ALL OTHER REQUIREMENTS FOR GRADUATION ARE RESPONSIBILITIES OF EACH STUDENT. ADVISORS WILL COUNSEL, BUT THE FINAL RESPONSIBILITY OF MEETING REQUIREMENTS FOR GRADUATION 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

ACADEMIC SUPPORT SERVICES

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 to motivate students toward the successful completion of their postsecondary education. The Student Support Services program also provides grant aid to current SSS participants who are receiving Federal Pell Grants. The goal of SSS is to increase the college retention and graduation rates; to foster an institutional climate supportive of the success of students who have limited proficiency in English, students from groups that are traditionally underrepresented in postsecondary education, students with disabilities, students who are homeless children and youths, and students who are in foster care or aging out of the foster care system, or otherwise disconnected.

Services provided by the SSS program at Johnson C. Smith University University include:

- Academic tutoring to enable students to complete postsecondary courses, which may include instruction in reading, writing, study skills, mathematics, science, and other subjects
- Advice and assistance in postsecondary 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, and obtaining financial assistance for enrollment in, graduate and professional programs

The SSS program 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, securing temporary housing during breaks for students who are homeless youths and students who are in foster care or are aging out of the foster care system.

A student is eligible to participate in the SSS program if the student 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 parents received a baccalaureate degree)
- Or a student who is disabled

To receive services, interested students should contact the SSS office to request and complete a SSS Information Data Form, an Individual Student

Development Plan and set up a conference with the Director, Assistant Director, 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. The Center also provides hands-on services to address both academic and social adjustment needs of students, especially during the first two years of their college experience.

The Mentoring/Orientation program at JCSU provides all new students with mentors to ease their transition from high school to college. This program is an activity in the Academic Center for Excellence (ACE).

Academic Center for Excellence (ACE) provides academic support through the Mathematics Laboratory, Writing Center, and the Liberal Studies Laboratory. The Center also offers AES 111, Academic Enhancement Seminar, a seminar developed to help students who have experienced academic difficulty, focuses on strategies for succeeding in college. The seminar is a requirement for students placed on academic probation and students who have had their academic suspension appeal granted by the Committee on Academic Standards.

CHARLOTTE AREA EDUCATIONAL CONSORTIUM

Full-time students may enroll in courses not available at Johnson C. Smith University that 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. The Charlotte Area Educational Consortium member institutions are:

CAEC MEMBER INSTITUTIONS

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

Univ. of No. Carolina at Charlotte

Gardner-Webb University

Univ. of So. Carolina at Lancaster

Gaston College

Wingate University

Gordon-Conwell Theological Seminary

Winthrop University

South Piedmont Community College

York Technical College

Johnson C. Smith University University

Lenoir-Rhyne College

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

MILITARY SCIENCE (ARMY ROTC)

Johnson C. Smith University University 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.

Students at Johnson C. Smith University University may elect to participate in the Army Reserve Officers' Training Corps (ROTC) area as part of their academic curriculum. Students successfully completing the Military Science curriculum will receive 21 credit hours applicable toward general elective requirements and will be commissioned 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.

Eligibility for admission into the Advanced Course is on the basis of 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 participation 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, \$300 for books per semester as well as 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.

US Army Reserve Officers' Training Corps (ROTC) freshmen and sophomore classes are offered on the Johnson C. Smith University University campus. Junior and senior level classes are offered at UNC-Charlotte. Enrollment for junior and senior ROTC classes is accomplished through completion of the *Charlotte Area Educational Consortium Interinstitutional Registration Form For Students Taking Courses On Another Campus*, available in the Office of the Registrar.

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; 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, who 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 \$350 per academic month for Juniors and \$400 per academic months for seniors and are 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 American Military History, or a comparable history course at The University of North Carolina at 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 \$200 per academic

month. Students do not have to be enrolled in Army ROTC to apply and incur no obligation by applying. The application time frame is December to February each year. Special consideration is given to students in nursing, engineering and physical sciences. Four-year scholarships are available to students who apply while in high school or prior to enrollment. Johnson C. Smith University University, in conjunction with the Army ROTC Program, offers four full scholarships (tuition, room, 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 from UNCC.

AEROSPACE STUDIES

Aerospace Studies prepares students for leadership positions with the United States 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 UNCC through the consortium agreement. Participation in Leadership Laboratory courses at UNCC 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 17 years of age and, upon graduation, no more than 30 years of age, for those with prior military service, and commissioning must occur not later than age 35. If designated for flight training, the student must be able to complete all commissioning requirements prior to age 26 1/2.

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 students 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, either at the undergraduate level, or a combination of both. 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 15 months, which includes a 5-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 in the University or a consortium institution and 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, either of which is normally completed during the summer between the sophomore and junior years. One covers a four-week-period for students in the four-year program, 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 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.

ADULT DEGREE PROGRAM

In 1992 the Board of Trustees of Johnson C. Smith University University and SACS approved the creation of the Adult Degree Program, formerly the

Division of Lifelong Learning, as a night and evening program for adults (25 years of age or older) who worked during the day. As such, it is not a program for students who work at night and wish to take classes during the day. Such students must register as day students or be charged as day students.

The Adult Degree Program offers both credit and non-credit courses to non-traditional, adult students. Its programs and classes represent teaching and public service functions within the competencies of faculty and staff, and according to community needs.

Whether a person is beginning college for the first time or returning after a period of home or family duties, the Adult Degree Program seeks to share the educational expertise at the University with the community and neighborhoods surrounding it. If individuals qualify for college work and are willing to commit themselves to the required studies, they are invited to participate. The heart of the University's message is that talent in the community must be recognized and nurtured. As stated in the institutional purpose, — “the University embraces its responsibility to provide leadership, service and the Adult Degree Program to the larger community.”

The Division carries out this message by:

- 1) Assessing the educational and training needs and interests of adults in the Charlotte area through surveys and other forms of community contact;
- 2) Offering credit courses evenings and weekends, either on a degree-seeking or non-degree seeking basis; and,
- 3) Conducting the credit courses either on campus or on an extended campus basis, either at corporate sites or at public facilities.

Because Adult Degree Program students who take courses scheduled in the evening pay a different fee than students who register for a regular day schedule, the following policies apply to the Adult Degree Program students who wish to take day classes:

1. Adult Degree Program students who choose to take courses listed on the regular day schedule will pay regular day tuition and fees.
2. Adult Degree Program students who register for seven credit hours from the day schedule will have to pay regular day tuition and fees.
3. Adult Degree Program students who take a combination of seven credit hours from the day schedule and five or more

from the evening schedule will automatically be charged as regular students, and therefore are subject to pay full tuition for a regular student in full standing.

SUMMER SCHOOL

ADMISSION

Johnson C. Smith University 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 Johnson C. Smith University;
4. High school graduates intending to pursue a degree at Johnson C. Smith University or another institution; (These persons must apply for admission to the regular University program through the Office of Admissions at Johnson C. Smith University University or the institution to which the credit will be transferred.)
5. In-service teachers who desire to upgrade, to renew, or to 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. (Johnson C. Smith University 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 rent and three meals per day. A deposit may be required. Students desiring room and board facilities should file an application with the Director of Residence Life programs.

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 for withdrawal. No refund will be made to students dismissed for academic or disciplinary reasons.

A late registration fee of \$10.00* will be charged after the first day of each session.

NOTE: Late registration fees for veterans will not be paid by the Veterans' Administration. The veteran is personally responsible for late registration fees, payable in advance. **Subject to change without notice to students when deemed necessary by the University.*

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, write to the following address:

Office of Financial Aid
Johnson C. Smith University University
Charlotte, North Carolina 28216-5398

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. Because of their special expertise, faculty members from other institutions are sometimes invited to join the Summer School faculty.



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 of Arts and Letters 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
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 of Arts and Letters endeavors to acquaint students with the substance, methodology, and breadth of the humanities, arts, and social sciences; to prepare students for careers in those fields; to prepare students at the pre-professional level for further study in graduate schools; and, above all, to stimulate and develop intellectual curiosity and imaginative creativity in each student. The departments within the College of Arts and Letters provide students with the skills needed to accomplish the tasks of their professions and enable them to lead fuller, more rewarding lives. Through study in the college, students gain appreciation of the arts, humanities and sciences. The college prepares students for their future roles in a global society by providing opportunities for them to realize their individual potential.

THE DEPARTMENT OF INTERDISCIPLINARY STUDIES, PHILOSOPHY AND RELIGION

The Department provides programs for earned Bachelor of Arts degree from Johnson C. Smith University in the following area as well as courses in Philosophy and Religion that meet general education Complementary Studies requirements or general electives. The Department offers two degrees:

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 Honors Degrees in the Majors.

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 defense.
- GPA: Overall GPA of 3.5.
- Presentations: Students must present, exhibit or perform at least twice at an off campus event or 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 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 be awarded the Degree with Honors. Their decision is final.

The Interdisciplinary Studies Major

The Interdisciplinary Studies major, leading to the Bachelor of Arts, is open to all students by application and approval. The Interdisciplinary Studies Major core is a structured learning community.

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

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 the 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
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II. Major in Interdisciplinary Studies	
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A. Required Core	
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1.ENG 233 or COM 231	3
2.IDS 331 (Junior seminar: methods)	3
3.IDS 431 (Senior seminar: capstone and senior paper)	3
4.IDS 216 (Topics in Interdisciplinarity I)	1
5.IDS 217 (Topics in Interdisciplinarity II)	1
6.IDS 318 (Topics in Interdisciplinarity III)	1

Total: 12 hours	
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B. Dual Concentrations	
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Either	
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1.Self-designed Concentration A	18 hours
2.Self-designed Concentration B	18 hours

Or	
----	--

1.Self-designed Primary Concentration	21 hours
2.Self-designed Secondary Concentration	15 hours

Or	
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1.Pre-designed Concentration*	18 hours
2.Another pre-designed or a self-designed concentration	18 hours

Total: 36 hours	
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C. Discipline-related electives	
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1.In the Humanities	3
2.In the Social Sciences	3
3.In the Natural Sciences	3

Total: 6 hours	
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(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
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III. Free Electives	17
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TOTAL HOURS	122
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* Recommended Pre-designed concentrations and courses are:

- Drama Studies (DRA 232, DRA 333 which can be taken twice for credit. ENG 333 (or) ENG 339, plus two of these course ENG 392, DRA 333, DRA 330)

- Pre-Architecture (6 hours of Physics, 12 hours of drawing and design courses)
- Philosophy and Religion (PHI 131, REL 130, PHI 233, PHI 234, REL 131 plus an appropriate Honor College course)
- Fine Arts (6 hours of MUS, 6 hours of DRA, 6 hours of ART)
- Art (ART 130, ART 133, ART 134, ART 137, ART 231, COM 235)
- African-American Studies (AAS 231, HIS 237, HIS 338, POL 339, plus one History and Culture Course, one Literature and the Arts course)

Minor in Global Studies

The Global Studies Minor is a flexible program that is open to all students. It is designed to focus students' attention on our complex globalizing world and on what it means to be a global citizen. To obtain a minor in Global Studies, a student must complete eighteen (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: Introduction to Philosophy and REL 131: Survey of the Great Living Religions meets the humanities requirement in the Liberal Studies program.

Minor in Philosophy

Required Hours is 15 Credits:

- | | |
|--|----------------|
| • 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 |

Minor in Religion

Required Hours is 15 Credits:

- | | |
|--|----------------|
| • 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 from Johnson C. Smith University 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 houses Arabic and Chinese courses that meet complementary course requirements in the Liberal Studies Program (General Education) 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 graduate honors and why you should be accepted.
- A writing sample.
- A letter of support from a faculty member.

Program Requirements

The requirements for graduation with honors in a Language or Literature are as follows:

An 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, of this country, of 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 for 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 with

others their honors experience with three identified audiences: their major, their university, and their 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, how these mediums have changed them and/or helped them come to voice.

Presentation

Honors candidates will present their projects during the final semester of enrollment. The student will make a public presentation. The project advisor, attending department members, and 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: first, to provide the training essential for students to develop their abilities in reading and writing; second, to provide experiences in the study of literature, which will enhance a student's personal, intellectual, aesthetic, and cultural development; and finally to provide major and minor programs in English which 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 Johnson C. Smith University requirements for graduation, including the general education requirements (Liberal Studies program including the Learning Across the Curriculum requirement), Senior Paper, senior level proficiency exam, community service and Lyceum attendance. For any of the required courses for the major or prerequisites for required courses, the student must earn at least a grade of "C."

English Major

Consisting of a minimum of thirty-six credit hours above the sophomore literature requirement (English 232), the English major required courses are:

Required Core of 21 hours:

- 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

An additional 15 elective hours in the major, 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

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

The English Education Major

The English Education major prepares students for secondary licensure (grades 9 – 12). Consisting of a minimum of thirty-three credit hours above the sophomore literature requirement, the English Education major includes the following requirements in English:

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 (3 credits)
 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 fifteen hours of credits 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 above for all courses counting toward the minor.

The University-Wide Foreign Language Requirement

All JCSU students are required to satisfy the 13 1-132 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 at Johnson C. Smith University 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 or upon the recommendation of their major departments. 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 I and LAT II: 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 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 six hour basic departmental requirement), either by passing the courses or by placement; in which case, no credit is granted.

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

The French Major

Consisting of thirty-three (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 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 six hour basic departmental requirement), either by passing the courses or by placement; in which case, no credit is granted.

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

Consisting of thirty-three (33) credit hours beyond the intermediate level, the Spanish major offers concentrations in one of two areas:

Spanish Language and Literature: focus 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: focus 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 healthcare, education, law enforcement, public service, or business.

Spanish Language and Literature Concentration

Consisting of thirty-three (33) credit hours beyond the intermediate level, the Spanish Major includes:

Required Core of 21 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 groups:

- 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 thirty-three credit hours beyond the intermediate level, the Culture and Communication 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 of electives, selected from the following list:

- 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

Minor in Spanish Language and Literature

A student must complete eighteen (18) credit hours beyond Spanish 232; these must include SPA 331, 332, 333, and 430.

Minor in Spanish Culture and Communication

To obtain a Spanish minor with a concentration in Culture and Communication, a student must complete eighteen (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 from Johnson C. Smith University in the following areas:

Criminology
History
Political Science
Psychology
(Concentrations in Clinical, Biomedical or Developmental Psychology)
Social Science
(Concentrations in Social Studies Education or General Social Science)

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 and International Studies. The Department houses Liberal Studies 235 and Liberal Studies 238-239 that meet course requirements in the Liberal Studies Program (General Education).

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 Johnson C. Smith University requirements for graduation, including the general education requirements (Liberal Studies program including 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 the prerequisites for these required courses.

Criminology Major

Consisting of a minimum of forty-five hours, the Criminology major required courses are:

Required Core of 36 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
& 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 these following requirements earning a C or higher:

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 for all courses counting toward the minor.

HISTORY

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

History Major

Consisting of a minimum of forty two hours, the History major required courses are:

Required Core of 24 hours.

- LS 238 World Civilizations I
- LS 239 World Civilizations II
- HIS 135 History of the United States to 1865
- HIS 136 History of the United States to Present
- HIS 338 African-American History I
- HIS 339 African-American History II
- HIS 391 Historiography
- HIS 491 Senior Paper

An additional 12 hours in the major, 3 credit hours from each group and Topics in History, HIS 436-437:

- **Group I: United States History**

HIS 231 North Carolina History
 HIS 330 American Colonial Civilization
 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

6 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

6 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

6 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 eighteen credit hours including LS 238, LS 239, HIS 135, and HIS 136. Minors in History must earn a grade of C or above for 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 Johnson C. Smith University requirements for graduation, including the general education requirements (Liberal Studies program including 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 the prerequisites for these required courses.

Political Science Major

Consisting of minimum of forty-two credit hours. The Political Science major required courses are:

Required Core of 30 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

30 Credit Hours

An additional 12 elective hours in the major from the following courses:

- POL 231 State and Local Politics

- 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

12 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 18 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 which leads to a Bachelor of Arts degree in Psychology. Students complete the BA in Psychology by completing one of 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. 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 with concentrations in the Applied, Biomedical, and Developmental areas of Psychology.

NOTE: The Applied Concentration has three tracks: Clinical, Industrial Organizational, and Health).

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 to complete opportunities in graduate studies in the field;
- b. Equip majors and minors with those relevant subject matter skills which 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 Johnson C. Smith University requirements for graduation, including the general education requirements (Liberal Studies program including the Learning Across the Curriculum requirement), Senior Paper, senior level proficiency exam, community service and Lyceum attendance. For any of the required courses for the major or prerequisites for required courses, the student must earn at least a grade of “C.”

Majors may select ONE of the Applied Concentrations *or* the Biomedical Concentration *or* the Developmental Concentration as an area of focus — dependent upon their postgraduation 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 either 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 either of the Concentrations 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 nine hours (3 courses that do 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 six hours.

The Psychology Major

Thirty-three credit hours of Psychology and four credit hours of Biology are required for a BA degree in Psychology with *area concentrations* (6 Required Courses, 3 Concentration Courses, 2 Electives, and 1 Biology Course).

Required courses (22 credits)

- 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 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 Hours)

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

Developmental Concentration (9 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) Hours (select one course from each category that does not contain your concentration courses)

Biological/Cognitive Category

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

Developmental/Sociocultural Category

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

Applied/Clinical Category

- PSY 231 Psy of Adjustment
- PSY 336 Consumer Beh
- PSY 334 Quan and Qual Psy
- PSY 337 Industrial/Organizational
- PSY 338 Personality Theory
- PSY 339 Principles of Measuremt
- PSY 432 Abnormal Psy
- PSY 434 Introduction to Clinical
- PSY 435 Theoretical Psy

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 eighteen (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 credits: 6 Credit Hours

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

SOCIAL SCIENCE AND SOCIAL STUDIES EDUCATION

The Social Science major is designed to accommodate two categories of students: (1) those who are prospective social studies teachers and (2) those who are seeking a general background in the social science area. Students choose the Concentration that is most appropriate for them.

Social Studies Education Concentration

The goals of the Social Studies Education are:

- To help students become complete human beings who can contribute to the development of society.
- To ensure that students will acquire an understanding of the social, political, geographical, economic, and historic forces operating in society.
- To provide in-depth preparation in history and the social sciences.
- To train effective teachers by providing for the development of the skills required to formulate teaching objectives, use resources, select content, use effective teaching strategies, evaluate learning outcomes, and interact with students, parents, and others.
- To promote a love of learning that can be transferred to students.

The prospective teacher should meet with the Coordinator of Social Studies Education. Students desiring licensure-only for social studies education, without earning a Social Science degree at Johnson C. Smith University, must fulfill the same requirements described under Concentration 1.

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

CONCENTRATION 1. Social Studies Education

Required core of 39 hours:

- ECO 231 Principles of Macroeconomics
- GEO 131 Introduction to Geography
- LS 238 World Civilization I
- LS 239 World Civilization II
- HIS 135 History of the United States to 1865
- HIS 136 History of the United States Since 1865

- HIS 231 North Carolina History
- HIS 391 Historiography
- HIS 491 Senior Paper
- POL 131 American Government
- PSY 131 General Psychology
- SOC 131 Principles of Sociology
- SOC 133 Introduction to Cultural Anthropology

Required Education Courses

- EDU 230 Introduction to the Foundations of Education
- EDU 296 Psychology of the Exceptional
- EDU 312 Junior Practicum in Secondary Education
- EDU 431 Senior Practicum in Secondary and Special Area (K-1 2) Education
- EDU 435 The Secondary School Curriculum
- EDU 492 Student Teaching in the Secondary School

25 Credit Hours

Required Psychology Courses

- PSY 237 Psychology of Adolescence
- PSY 239 Educational Psychology

6 Credit Hours

Required Social Science Course

- SSC 336 Materials and Methods in High School Social Studies

3 Credit Hours

Electives

- The student must select an additional 3 credit hours from either Economics, History, Political Science, Psychology or Sociology.

3 Credit Hours

CONCENTRATION 2. General Social Science

Required Core of 15 hours.

- ECO 231 Principles of Macroeconomics
- LS 238 World Civilization I
- LS 239 World Civilization II
- POL 131 American Government
- SOC 131 Principles of Sociology

15 Credit Hours

The student must complete the Primary and Secondary Areas:

Primary Area

The student must select 21 credit hours from one of the following areas of the social sciences (the courses must include the relevant Core course(s) and the Senior Paper course and courses related to the Senior Paper course).

- Economics
- History
- Political Science
- Sociology

21 Credit Hours

Secondary Area

The student must select at least 21 credit hours from the remaining major areas of the social sciences (including their relevant Core course(s)).

- Economics
- History
- Political Science
- Sociology

21 Credit Hours

Minor in African-American and African Studies

The Minor in African-American and African studies provides students with a broad and in-depth knowledge of the Black Experience, that is, the experiences of all peoples of African descent, including the 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 and 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 in these courses. 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:

- AAAS 231 Introduction to African-American Studies
- HIS 237 Introduction to Africa
- HIS 338 African-American History I

An additional nine elective hours, 3 credit hours from each group:

Group 1 History and Culture

AAAS 499 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

AAAS 499 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

AAAS 499 Special Topics
 POL 339 Black Political Thought
 POL 332 The Developing World
 ECO 432 Economic Development
 HED 322 Minority Health Problems and Issues

** Other courses in the area of African/African-American Studies may be used as electives with the approval of the Director of the African-American Studies Minor.*

Minor in Pre-Law

Law schools are seeking young men and women with analytical minds who can think clearly and logically and then 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

Minor In Sociology

A minor in Sociology consists of eighteen credit hours of course work 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 Johnson C. Smith 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:

Art
Communication Arts
Music

The Department houses ART 231: Art Appreciation, COM 130: Fundamentals of Speech and MUS 131: Music Appreciation, which meet complementary course requirements in the Liberal Studies Program (general education) or general electives.

DEGREES WITH HONORS

The Visual, Performing and Communication Arts 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 the Majors. As a part of this program, students will be able to make academic choices and to 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 (3) Graduate school admission applications or (3) 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.

Overall GPA of 3.5 at the time of graduation

Presentations

Students must present, exhibit or perform at least twice at an off campus event or 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 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 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.

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 Johnson C. Smith University 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.

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

Students must have a grade of “C” or better in ENG 131, ENG 132 and COM 130 before they take COM 230, Introduction to Mass Communications, and COM 231, Media Writing, typically in their sophomore year. COM 231 is a prerequisite for the core requirements in the Communication Arts major. After completing COM 230 and COM 231, students should formally declare their major in the department. Even though internships are not required, they are highly recommended.

A student may minor in Communication Arts with a minimum of 21 hours 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 Johnson C. Smith University requirements for graduation, including the general education requirements (Liberal Studies program including the Learning Across the Curriculum requirement), Senior Paper, senior level proficiency exam, community service and Lyceum attendance. For any of the required courses for the major or prerequisites for required courses, the student must earn at least a grade of “C.”

Communication Arts Major

Consists of forty-two credit hours:

Core Courses: The following eight three-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 334, Journalism and Graphic Design Workshop
- COM 335, Public Relations I, or
COM 430, Integrated Marketing Communications

Students may elect other Communication Arts courses; or with advice from a Communication Arts advisor, students may select Drama, Art, Marketing, or Management classes to complete the remaining six 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 from Johnson C. Smith University 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 and engineering, 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 Johnson C. Smith University requirements for graduation, including: the general education requirements (Liberal Studies program including the Learning Across the Curriculum requirement), Senior Paper, senior level proficiency exam, community service and Lyceum attendance. For any of the required courses for the major or pre-requisites for required courses, the Student must earn at least a grade of “C.”

Music Business and Technology Concentration

Consists of a total of 123 credit hours with the following requirements:

Required Core of 36 hours:

- MUS 143 Music Theory I 4 Credit Hours
- MUS 144 Music Theory II 4 Credit Hours

- 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 4 Credit Hours
- Ensembles (Includes Choir, Band, or Electronic Music Ensembles) 7 Credit Hours
- MUS 429 Senior Seminar 4 Credit Hours
- MUS 439 Music Internship 3 Credit Hours

An additional 30 hours in the major consisting of the following combination of Music and other courses are required:

- MUS 331 Introduction to Music Business 3 Credit Hours
- MUS 332 Survey of Electronic Music 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
- TEL 332 Audio Production/Programming II 3 Credit Hours

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

Sacred Music Concentration

Consists of a total of 126 credit hours with the following requirements:

Required Core of 36 hours:

- MUS 143 Music Theory I 4 Credit Hours
- MUS 144 Music Theory II 4 Credit Hours
- 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 4 Credit Hours
- Ensembles (Includes Choir, Band, or Electronic Music Ensembles) 7 Credit Hours
- MUS 429 Senior Seminar 4 Credit Hours
- MUS 439 Music Internship 3 Credit Hours

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

- MUS 243 Music Theory III 4 Credit Hours
- MUS 244 Music Theory IV 4 Credit Hours
- Applied Music (Principal Instrument) 4 Credit Hours
- MUS 322 Conducting 2 Credit Hours

- MUS 325 Introduction to Music Ministry 2 Credit Hours
- MUS 332 Survey of Electronic Music 3 Credit Hours
- MUS 333 Sacred Music Literature 3 Credit Hours
- MUS 334 Hymnology 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 twenty credit hours, including eight hours of theory, Music Theory I (4 credit hours) and Music Theory II (4 credit hours), six credit hours of music history and literature (Music 337 and Music 338), three credit hours of applied music, and three credit hours of approved electives. Minors in Music must earn a grade of C or above for all courses counting toward the minor.

Fine Arts Minor (Emphasis On Graphic Design)

Consists of a total of 18 credit hours with the following requirements:

Required Core of 15 hours:

- ART 130 Basic Design 3 Credit Hours
- ART 136 Basic Painting 3 Credit Hours
- ART 231 Art Appreciation 3 Credit Hours
- COM 235 Design I 3 Credit Hours
- 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 1,2,3 Credit Hours
(Art Minors must meet prerequisites for this course)

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.

Visual and Performing Arts Major

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

Students must comply with all Johnson C. Smith University requirements for graduation, including: the general education requirements (Liberal Studies program including the Learning Across the Curriculum requirement), Senior Paper, senior level proficiency exam, community service and Lyceum attendance. For any of the required courses for the major or prerequisites for required courses, the Student must earn at least a grade of “C.”

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 will have an entry-level sophomore sequence required of all students. Declaration of major is contingent upon passing the sophomore sequence 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 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

CORE: 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 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 for Core, 34 credits

Concentrations

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

Concentration 1: 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

Students choose either VPD 434 or VPD 435 (total 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 434: Directing

Students choose either VPT 435 or VPT 436.

- VPT 435: Technical Theatre I
- VPT 436: Technical Theatre II

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 I

Total hours for concentration in Graphic Art: 18 credits

Concentration 5: Film

- VPF 323: Screenplay Writing
- VPF333: 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 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 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 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 the Bachelor of Arts, Bachelor of Science, or Bachelor of Social Work degree. 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

Johnson C. Smith University, through its Department of Business Administration and Economics, is accredited by the Association of Collegiate Business Schools and Programs (ACBSP) to offer the following business degrees:

- The Bachelor of Science in Business Administration (B.S.) 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 and courses which count toward the major. All business administration and economics majors must complete the business administration core sequence.

Business Administration Core Courses

A major in business administration requires the completion of a core of 49 hours of business courses which represent the foundation disciplines in organizations. The required core professional component courses are:

- Accounting 235-236 6 hours
- Business 233/Economics 233 3 hours
- Business 234/Economics 234 3 hours
- Economics 231-232 6 hours
- Management 333 3 hours
- Management 334 3 hours
- Marketing 331 3 hours
- Banking and Finance 330 3 hours
- Business 410 1 hour
- Business 335* 3 hours
- Business 339 3 hours
- Business 433 3 hours
- Business 460 3 hours
- Business 435 3 hours
- International Choice 3 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 Business 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 49 hours of business courses which represent the foundation disciplines in organizations. The required core courses are:

- Accounting 235-236 6 hours
- Economics 231-232 6 hours
- Economics 233/Business 233 3 hours
- Economics 234/Business 234 3 hours

- Banking and Finance 330 3 hours
- Management 333 3 hours
- Management 334 3 hours
- Marketing 331 3 hours
- Business 335* 3 hours
- Business 339 3 hours
- Business 433 3 hours
- Business 460 3 hours
- Business 410 1 hour
- Business 435 3 hours
- International Choice** 3 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.*

BUSINESS ADMINISTRATION & ECONOMICS HONORS PROGRAM

Honors Entrance Criteria:

- Incoming freshmen with a minimum high school Grade Point Average of 3.5 on a 4.0 scale and a combined verbal and quantitative SAT scores of 900 will be eligible to apply for entering the Department of Business 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 economics principles and business functional courses will 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 will be 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 & 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 will be required to complete an approved course in Financial Planning.
- **Entrepreneurial Underpinning:** honors students will be required to participate in the annual “Elevated Pitches” (Business Plan Competition).
- **Corporate Connectivity:** corporate sponsorship of student scholars providing enrichment activities such as special programs, travels, mentoring/networking, and internship.
- **Leadership Development:** business and economics honors students will be 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 held responsible for planning and executing departmental lyceum programs.

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

ECONOMICS

A Bachelor of Arts (B.A.) 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 to the core courses. 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 (Intermediate Microeconomics) 3 hours
- Economics 336 (Intermediate Macroeconomics) 3 hours
- Banking and Finance 331 (Money & Banking) 3 hours
- Economics 334 (International Economics) 3 hours

Required Electives:

Students must select two courses from the following list:

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

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, 49 hours of the business administration core, and 21 hours of Accounting in addition to the core courses. In addition, 3 hours of electives are required.

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

Required Courses

(In addition to Liberal Studies Requirements and Business Core)

- Accounting 335 (Intermediate Accounting I) 3 hours
- Accounting 336 (Intermediate Accounting II) 3 hours

- Accounting 337 (Intermediate Accounting III) 3 hours
- Accounting 339 (Cost Accounting) 3 hours
- Accounting 435 (Advanced Accounting) 3 hours
- Accounting 437 (Federal Income Tax Analysis I) 3 hours
- Accounting 439 (Auditing) 3 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, 49 hours of the Business Administration core, and 21 hours of Banking and Finance courses in addition to the core courses. In addition, 3 hours of electives are required.

Required Courses

(In addition to Liberal Studies Requirements and Business Core)

- Banking & Finance 331 (Money & Banking) 3 hours
- Banking & Finance 332 (Commercial Bank Mgmt.) 3 hours
- Banking & Finance 333 (Financial Statement Analysis) 3 hours
- Banking & Finance 339 (Risk Management) 3 hours
- Banking & Finance 430 (Corporate Finance) 3 hours
- Banking & Finance 431 (Investments) 3 hours
- Banking & Finance 432 (Financial Institutions & Markets) 3 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, and 9 hours of Advanced Foreign Language courses in addition to the core courses. In addition, 6 hours of electives are required 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 231 (Intermediate Foreign Language I) 3 credit hours
- SPA/FRE 232 (Intermediate Foreign Language II) 3 credit hours
- SPA 331/FRE 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, 49 hours of the Business Administration core, and 15 hours of Management courses in addition to the core courses. In addition, 7 hours of electives are required.

Required Courses

(In addition to Liberal Studies and Business Core Requirements)

- Management 335 (Leadership & Organizational Change) 3 hours
- Management 336 (Business Communication) 3 hours
- Management 339 (Small Business Management) 3 hours
- Management 436 (Organizational Behavior) 3 hours
- Management 440 (Total Quality Management) 3 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, 49 hours of the Business Administration Core, 18 hours of Information Technology, and 3 hours of Calculus. In addition, 6 hours of electives are required.

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, 49 hours of the Business Administration core, and 18 hours of Marketing courses in addition to the core courses. In addition, 4 hours of electives are required.

Required Courses

(In addition to Liberal Studies and Business Core Requirements)

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

RETAIL MANAGEMENT

A Bachelor of Science Degree in Business Administration with a concentration in Retail Management requires a completion of 122 hours: 51 hours of Liberal Studies requirements; 49 hours of Business Administration core; 18 hours of marketing, management, business and communication classes (listed below). In addition, 4 hours of electives are required.

Required Courses

(In addition to Liberal Studies and Business Core Requirements)

- Marketing 334 (Principles of Retailing) 3 hours
- Marketing 335 (Fundamentals of Selling) 3 hours
- Marketing 350 (Consumer Behavior) 3 hours
- Management 336 (Business Communication) 3 hours
- Communication 240 (Business Writing) 3 hours
- Business 490 (Internship) 3 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 Johnson C. Smith University 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 specific as well as broad policies that pertain to the best interests of the Teacher Education Program at the University. It also recommends such 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).

REQUIREMENTS FOR ADMISSION TO TEACHER EDUCATION

A formal application for entrance into the program of Teacher Education should be filed with the chair of 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 have met the following requirements:

1. Completed forty five (45) semester hours with a cumulative grade point average of at least 2.80
2. Earned at least a grade of "C" in each Liberal Studies Course
3. Student must pass Teacher Education writing assessment
4. Declared a major and been recommended by the department of the major
5. Completed an interview at a satisfactory level
6. Been recommended by three former professors, one of whom must be in the department of the applicant's major field
7. Completed EDU 230 at a satisfactory level

8. Approved by the Teacher Education Committee
9. Completed satisfactorily Level I Field Experiences

Students who plan to teach in the elementary school, 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 in the secondary school 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 Johnson C. Smith University requirements for graduation, including the general education requirements (Liberal Studies program including the Learning Across the Curriculum requirement), Senior Paper, senior level proficiency exam, community service and Lyceum attendance. For any of the required courses for the major or prerequisites for required courses, the student must earn at least a grade of “C.”

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. Provide 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 teacher education. The courses that require admission to teacher education are designated “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
<i>or</i>		
**PSYCHOLOGY	237	Psychology of Adolescence
PSYCHOLOGY	239	Educational Psychology
EDUCATION	296	Psychology of the Exceptional
* EDUCATION	311	Junior Practicum in Elementary Education
<i>or</i>		
**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 (K-6)
(Effective, Fall 2010)

Total Credit Hours:

Liberal Studies	51
Prerequisite	3

- PSYCHOLOGY 131 General Psychology

Professional Education	31
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- 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
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- 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 aspect of the student's entire pre-service formal 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. Activities candidates can participate in can include but are not limited to assisting the teacher, tutoring, working with small groups, and preparing materials.

The cooperating teacher will assess all candidates using the Level One Field Experience Assessment Instrument. Each teacher

education candidate will complete fieldwork assignments as required in the Level One Field experience.

Level Two: Field Experience: Junior Practicum

The Junior Practicum is the second level of field experience in the Teacher Education program at Johnson C. Smith University. It is a required semester course in early field experience for which juniors receive one semester hour of credit. This course is taken concurrently with Education 337 for elementary candidates and the Education 439 content area reading for Secondary and K-12 candidates; Math, English, Social Studies, Health, and Physical Education.

The candidate is placed in an assignment related to his major. Level Two Field Experience: 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 the student teaching. This experience allows candidates to acquire the knowledge, skills, and disposition that are delineated in the conceptual Framework. All candidates are assessed 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 at Johnson C. Smith University. Teaching Internship I is a required six credit hours course taught during the first semester of the senior year. For elementary candidates, this course is part of an eighteen-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 at Johnson C. Smith University. After this experience, candidates will be expected to demonstrate the knowledge, skills, and dispositions expected of Teachers as Reflective Decision Makers in Multi-Faceted Roles. In addition, this experience will have prepared the candidates to assume their roles as a successful

beginning teacher. In most cases, the candidates are expected to continue in the same placement from their teaching internship I. All candidates are assessed 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 assignments jointly.

APPLICATION TO TEACHING INTERNSHIP II

Students who wish to complete teaching internship II during the senior year must file an application for teaching internship II with the Department of Education at the beginning of the semester prior to the one in which student teaching is to begin. Application must be filed by September 20th 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 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 courses offered in fulfillment of the student’s major;
3. A grade of “C” or better in each course offered in fulfillment of Liberal Studies Program;
4. Completion of all courses (education, Liberal Studies, major and senior paper) requirements 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 and must maintain membership in the program;
7. Pass the Teacher Education writing assessment.

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

TEACHER LICENSURE

The University will recommend for initial licensure only those students who have successfully completed the requirements of any of the education programs offered by Johnson C. Smith University 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 5 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 3 consecutive years during this time. This will ensure up-to-date knowledge. 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 a department of the major.
5. Satisfactory scores on the 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 is located in the Irwin Belk Complex. It offers major programs which lead to a Bachelor of Science degree in Health Education, Physical Education, and Sport Management. The Department seeks to accomplish the following goals: first, to prepare students for careers in school health education, health promotion, community health, physical education, sport management, and related areas; and second, to prepare students for further study in the fields of health education and/or physical education.

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

- Health Education – School Health
- Health Education – Community Health
- Physical Education – Teacher Education

Students may also choose to minor in:

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

The Department houses Health and Physical Education courses that meet complementary course requirements in the Liberal Studies Program (general education) or as general electives. Students in other departments may satisfy health and activity Liberal Studies requirements by satisfactorily completing HED 121 and any course between PED 020 through PED 127.

PLEASE NOTE:

- PED 026 is an adaptive 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 142 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 all Johnson C. Smith University requirements for graduation, including the general education requirements (Liberal Studies program including the Learning Across the Curriculum requirement), Senior Paper, senior level proficiency exam, community service and Lyceum attendance. For any of the required courses for the major or prerequisites for required courses, the student must earn at least a grade of “C.”

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 cumulative 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 but not limited to workshop presentations and professional development activities offered through the Department's Career Network Institute

HEALTH EDUCATION

The aim of the Health Education curriculum is to promote the development of sound health knowledge, practices and attitudes; and to demonstrate the ability to work with people of diverse cultural, ethnic, social, and economic backgrounds.

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 Modern Concepts in Biology | 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

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 Modern Concepts in Biology 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 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

Health Education Minors

Students may elect to minor in School Health, or Community Health. Students will be required to complete 18 credit hours of specified courses, maintain a 2.0 GPA and satisfy all other requirements which may be 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:

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

Community Health Minor

Core Courses (12 hours)

- HED 233 Community Health
- HED 334 Program Planning & Evaluation
- HED 435 Epidemiology
- HED 436 Health Administration

Electives (Select 6 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

PHYSICAL EDUCATION

The aim of the Physical Education curriculum is 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.

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 – 6 th 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- 7 th – 12 th 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 Modern Concepts in Biology | 4 Credit Hours |
| • BIO 240 Anatomy and Physiology | 4 Credit Hours |
| • PED 232 Psychomotor Development | 3 Credit Hours |
| • PED 224 Dance | 2 Credit Hours |
| • PED 336 Adapted Physical Education Pedagogy | 3 Credit Hours |
| • PED 332 Kinesiology | 3 Credit Hours |
| • PED 432 Exercise Physiology | 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

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

Recommended Electives:

- MGT 333 Principles of Management 3 Credit Hours
- MGT 334 Human Resource Management 3 Credit Hours
- PED 225 Sports Officiating 3 Credit Hours
- PED 226 Theory and Practice of Coaching 2 Credit Hours

Sport Management Minor

Core Courses (11 credit hours)

- PED 230 Foundations of Physical Education and Sport Management
- PED 337 Management of Physical Education & Sport Management
- SPM 339 Sports Information
- SPM 433 Internship

Electives (Select 8 hours)

PED 225 Sports Officiating	2 Credit Hours
PED 226 Theory & Practice of Coaching	2 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 434 Sport and the Law	3 Credit Hours

DEPARTMENT OF SOCIAL WORK

The mission of the Social Work Program at Johnson C. Smith University 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:

- Declared social work as a major
- Achieved sophomore status
- Completed 9 semester hours of required social work courses
- Achieved 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 (SWK)

The Social Work Program at Johnson C. Smith University has four goals:

1. The program seeks to 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. The program seeks to prepare students for graduate education in social work and other disciplines.
3. The program seeks to share knowledge with students and other professionals through courses, guest lecturers, workshops, and conferences.
4. The program seeks to 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 Johnson C. Smith University requirements for graduation, including the general education requirements (Liberal Studies program including the Learning Across the Curriculum requirement), Senior Paper, senior level

proficiency exam, community service and Lyceum attendance. For any of the required courses for the major or prerequisites for required courses, the student must earn at least a grade of “C.”

The Department of Social Work is fully accredited by the Council on Social Work Education.

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 142 and BIO 240, a foreign language, psychology, sociology, and economics.

- BIO 142 Concepts of Modern Biology 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 students for entry-level positions in education and industry, immediately upon graduation. Additionally, students are provided opportunities to sharpen their analytical skills, and 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 from Johnson C. Smith University 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

The Department programs are 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 which includes 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 or Computer Engineering or Computer Science/Information Systems consists of a set of core course (21 credit hours) plus additional courses required for each major. In addition, all students have to take 51 credit hours of Liberal Studies courses. A minimum of 125 hours is required for graduation.

Students must comply with all Johnson C. Smith University requirements for graduation, including the general education requirements (Liberal Studies program including the Learning Across the Curriculum requirement), Senior paper, senior level proficiency exam, community service and Lyceum attendance. For any of the required courses for the major or prerequisites for required courses, the student must earn at least a grade of “C.”

The Department of Computer Science and Engineering offers an “**Honors Degree**” to 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 the above mentioned 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 are required for all Information Systems Engineering (ISE), Computer Engineering (CE) and Computer Science/Information Systems (CS/IS) majors: (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 |

INFORMATION SYSTEMS ENGINEERING MAJOR (ISE)

Additional Courses 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 (12 credit hours):

- Application Programming, CSC 331 3 Credit Hours
- Operation Systems, CSC 334 3 Credit Hours
- Internet Programming, CSC 335 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 pool of courses:

- Introduction to discrete structures, CSC 233 3 Credit Hours
- Introduction to Programming CSC 132 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 (3 credit hours):

In addition to MTH 231 & MTH 232

- Introductory Statistics, MTH 136 3 Credit Hours

Physics Requirements (8 credit hours):

- Mechanics, PHY 243 4 Credit Hours
- Electrodynamics, PHY 244 4 Credit Hours

COMPUTER ENGINEERING MAJOR (CE)

In addition to the 21 credit hour core above, the student has 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 pool of courses:

- Introduction to Programming CSC 132 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 Algorithm, 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

And at least 3 credit hours of mathematics from the following pool:

- Math for Scientists and Engineers, MTH 433 3 Credit Hours
- Differential Equations I, MTH 434 3 Credit Hours

**COMPUTER SCIENCE/INFORMATION SYSTEMS
MAJOR (CS/IS)**

In addition to the 21 credit hour core above, the student has 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 pool of courses:

- Introduction to Programming, CSC 132 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

A Minor in Computer Science

A minor in Computer Science consists of at least eighteen hours of computer science courses and must include CSC 231, CSC 232, CSC 334 and CSC 439. The pool of recommended electives includes the following courses: CSC 330, CSC 335, CSC 438, CSC 436, and CSE 439.

A Minor in Computer Engineering

A minor in Computer Engineering consists of at least eighteen hours of computer engineering courses and must include CSE 138, CSE 330, CSE 331, CSE 332 and CSE 334. The pool of recommended electives includes the following courses: CSE 432, CSE 433, CSE 435, CSE 436, CSE 438 and CSE 439.

A Minor in Bioinformatics

A minor in Bioinformatics requires 19 credit hours: 13 hours of core courses and 6 hours of restricted electives. The core courses include BIO 142 or BIO 143, BIO 336/CSC 336, CSC 339, MTH 438. The students will select six hours or more of the restricted electives, depending on their major, from BIO 433/CSE433, BIO 435/CSE435, BIO 434, CSC 438, 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, CSC430 Senior Investigative Project (in a topic on Bioinformatics/Genomics), 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 from Johnson C. Smith University 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 (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 Johnson C. Smith University requirements for graduation, including the general education

requirements (Liberal Studies program including the Learning Across the Curriculum requirement), Senior Paper, senior level proficiency exam, community service and Lyceum attendance. For any of the required courses for the major or prerequisites for required courses, the student must earn at least a grade of “C.”

Mathematics and Mathematics Education Required Courses

The following set of fourteen core courses is 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)

(34 Credit hours)

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 credits) 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 prior to starting the Calculus sequence.

A minor in Mathematics consists of at least eighteen credit hours of mathematics courses at the 200 level or above, which 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. Formal development of the Senior Investigative Paper begins when the student has reached senior standing, completed 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 of Introductory courses based on mathematics placement and demonstrated interest
- Complete two Honors sections of mathematics courses with an average of 3.0 or higher in these courses. At least one course must be a 200 level course.
- 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 an average of 3.3 or better before being selected for participation in the mathematics Honors Degree Program.
- Be recommended by a departmental faculty
- 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, and 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 normally 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 Introduction to College Mathematics prior to entering MTH 131 College Algebra, or may allow the student to enroll in MTH 137 or a higher course.

SCIENCE

The department awards Bachelor of Science degrees (B.S.) in Biology, Chemistry and General Science.

Entering freshmen majoring in one of the areas 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 chairperson 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.

GENERAL SCIENCE COURSES

There are a number of course offerings which come under the general heading NSC as described in Course Descriptions. NSC 218-9, 318-9, 419 and 429 are courses taken by General Science majors in fulfilling the Senior Investigative Paper requirement.

BIOLOGY

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 the choice of an existing Track or the design of a customized Track.

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)
 - Botony (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, equaling at least 9 credit hours)
 - Biology courses at or above the 300 level, chosen according to track or in consultation with advisor (may also include non-Biology courses if appropriate and approved).

Seminar Courses (7 credit hours)

- Sophomore Seminar I and II (BIO 218 and BIO 219)
- Junior Seminar I and II (BIO 318 and BIO 319)
- Senior Seminar I and II (BIO 429 and BIO 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 or included in a pre-designed Track.* 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 should change or modify Tracks only with the consent of their major advisor and department chair.

A minor in Biology requires eighteen credit hours of Biology courses which must include ten credit hours in courses above the 100-level. Biology 218, 219, 318, 319, 419 and 429 may not be used to qualify for a minor in Biology.

Minor in Bioinformatics

A minor in Bioinformatics requires 19 credit hours: 13 hours of core courses and 6 hours of restricted electives. The core courses include BIO 142 or BIO 143, BIO 336/CSC 336, CSC 339, MTH 438. The students will select six 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 in a topic on Bioinformatics/Genomics), MTH 415-416 Independent Study (with a topic in Bioinformatics/Genomics).

Biology majors are not required to take LS 135 or HON 110.

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 judgement of the Biology Faculty.

Students must comply with all Johnson C. Smith University requirements for graduation, including the general education requirements (Liberal Studies program including the Learning Across the Curriculum requirement), Senior Paper, senior level

proficiency exam, community service and Lyceum attendance. For any of the required courses for the major or prerequisites for required courses, the student must earn at least a grade of “C.”

CHEMISTRY

Chemistry Major

The Major in Chemistry requires the following:

Chemistry Courses (39 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 (CHE 218 and CHE 219)
- Junior Seminar I and II (CHE 318 and CHE 319)
- Analytical Chemistry (CHE 343)
- Instrumental Analysis (CHE 344)
- Physical Chemistry and lab (CHE 411, 412, 431, and 432)
- Senior Seminar I and II (CHE 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 course above the CSC 131 level

A minor in Chemistry requires a minimum of eighteen credit hours of chemistry courses which must begin with Chemistry 111, 112, 131, and 132. Eight credits of Physics are also required for the minor. Chemistry 218-9, 318-9, 419 and 429 may not be used to qualify for a minor in Chemistry.

Chemistry majors are not required to take LS 135 or HON 110.

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 judgement of the Chemistry Faculty.

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

GENERAL SCIENCE

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, and 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 set of seventeen Core courses 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)
- Introduction to Statistics (MTH 136) and Pre-calculus I and II (MTH 137 & 138) or higher sequence
- General Physics (PHY 241 & 242)
- Introduction to Programming (CSC 132), Programming I and II (CSC 231 & 232) (50 credit hours)

In addition to the above Core courses, a General Science major must complete a minimum of fifteen (15) credit hours of course work in the area of concentration plus three (3) credit hours of course work 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 or HON 110.

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 Chemistry 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 judgement of the Science Faculty.

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

PRE-PROFESSIONAL OPPORTUNITIES IN THE SCIENCES

Pre-Medical and Pre-Dental Preparation

All courses required for preparation for medical, dental, pharmacy and other allied health schools are offered at Johnson C. Smith University. A student may major in any area of study, but JCSU 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; physics, two semesters. Other specific courses are required by some medical schools. Academic advisors will aid students in arranging their programs.

Biology and Chemistry Double Major

Exceptionally strong students interested in post-graduate training (M.D., Ph.D., D.D.S.) are encouraged to attempt this double major. Only one senior investigative paper is required for the double major path. In addition to the general education requirements (42 credits), the double major requirements consist of the following 88-91 credits:

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 12-16 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 (BIO/CHE 218 and 219)*
- Junior Seminar I and II (BIO/CHE 318 and 319)*
- Senior Seminar I and II (BIO/CHE 429 & 419)*

Computer Science courses (3 credit hours)

- Any 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.

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. The administrative and programmatic offices of these programs are formally housed at the Robert L. Albright Honors College.

ADULT DEGREE PROGRAM

The Adult Degree Program is designed for learners 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, business administration with concentrations in accounting or management. Specialized certifications and special interest classes will also be offered. ***Interested persons should log on to metropolitan.jcsu.edu or contact the Metropolitan College directly for an application by calling 704-378-1253.*** There is an associative application fee of \$25.00 that may be paid by money order or certified check. Online applicants may pay with credit or debit cards. *The application fee is non-refundable.* Applicants must also submit copies of their health/immunization record along with transcripts from any high school and/or college previously attended. Additionally 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
- Letter of Reference from college official or supervisor
- Resume

Upon receipt of the completed application and the accompanying application fee, student processing will immediately begin. The student will be notified in writing of his/her admission status. If approved, the student will be scheduled to participate in class registration at the Metropolitan College.

BIDDLE INSTITUTE

The Biddle Institute is comprised of traditional students who have not declared a major; cohort students who require additional academic and social support for successful matriculation; and Honors College students including advanced freshmen.

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. Those students who have not declared a major will be advised through the Biddle Institute until a major is declared.

Biddle Cohort

Biddle cohorts are comprised of freshmen students who require academic support to ensure successful matriculation. SAT/ACT scores and GPA are metrics that determine the necessity of a student to participate in the cohort program. Both undeclared majors and Biddle cohort students will be advised via the university's Advising Center which is strategically housed within the Biddle Institute. Additionally, students may receive academic assistance through the university's tutorial services, Academic Center of Excellence (ACE).

Honors Program

The Honors Program is designed to infuse additional rigor into the curricula of those students with proven academic abilities. Coordination of activities for students in the Honors Program is done by the Honors Program director.

Additionally, the Student Honors Advisory Board will collaborate with the Honors Program director to build the learning community of the University's Honors students.

COURSE DESCRIPTIONS

System of Course Numbers

The number of each course has three digits. The first digit indicates the classification level. The second digit indicates the number of credit hours. The third digit merely distinguishes the course from other courses in the classification and credit bracket of the department. 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 courses and must be taken in sequence. Courses marked with an unexplained asterisk (*) are required for teacher certification.

ACADEMIC ENHANCEMENT SEMINAR (AES)

AES 111 Academic Enhancement Seminar **No credit hour**

This course is designed to help students develop strategies for succeeding in college. Students in the course will develop a Student Success and Time-Management Plan. They will be required to complete a Self-Assessment paper, a Personal Development Plan, and attend a minimum of four (4) Academic Skills Workshops. Weekly progress reports will be completed. The class will meet for one hour weekly.

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 of 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 computations aspects of pensions, leases, income tax, and correction of errors 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 individual 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 corequisite: AERO 1101L. Survey of topics relating to the Air Force including officership, professionalism, and basic communication skills. (*Fall Semester*).
- **AERO 1101L The Air Force Today** **No credit hours**
 Leadership Lab (LLab). (*Fall Semester*).
- AERO 1102 The Air Force Today** **One credit hour**
 Pre-professional corequisite: AERO 1102L. A continuation of AERO 1101 to include 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*).
- **AERO 1102L The Air Force Today** **No credit hours**
 Leadership Lab (LLab). (*Spring Semester*).
- AERO 2101 Development of Air Power I** **One credit hour**
 Pre-professional corequisite: 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*).
- **AERO 2101L Development of Air Power I** **No credit hour**
 Leadership Lab (LLab). (*Fall Semester*).
- AERO 2102 Development of Air Power II** **One credit hour**
 Pre-professional corequisite: AERO 2102L. A continuation of AERO

2101 which examines the history of airpower from Vietnam to the present. Oral communication development is a critical element. (*Spring Semester*).

****AERO 2102L Development of Air Power II** **No credit hours**
Leadership Lab (LLab). (*Spring Semester*).

AERO 3101 Leadership and Management **Three credit hours**
Pre-professional corequisite: 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*).

****AERO 3101L Leadership and Management** **No credit hours**
Leadership Lab (LLab). (*Fall Semester*).

AERO 3102 Defense Administration and Military Management **Three credit hours**
Pre-professional corequisite: AERO 3102L. Examination of Air Force doctrine, leadership, and ethics. Emphasis is placed on written and oral communication. (*Spring Semester*).

****AERO 3102L Defense Administration and Military Management** **No credit hours**
Leadership Lab (LLab). (*Spring Semester*).

AERO 3201 National Security Issues in Contemporary American Society **Three credit hours**
Pre-professional corequisite: AERO 3201L. The executive-legislative matrix of our national government is developed and compared with other governmental systems. Special emphasis on the role of the emerging military leader in implementing national policy decisions, civilian control of the military, and regional security issues. (*Fall Semester*).

****AERO 3201L National Security Issues in Contemporary American Society** **No credit hour**
Leadership Lab (LLab). (*Fall Semester*).

AERO 3202 The Defense Leader: Perspectives on Ethics and Justice (V) **Three credit hours**
Pre-professional corequisite: 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*).

****AERO 3202L The Defense Leader: Perspectives on Ethics and Justice** **No credit hours**
Leadership Lab (LLab). (*Spring Semester*).

**** No Credit Hours**

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 ever-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 231 Intermediate Arabic I **Three credit hours**

Emphasis on communicative and writing skills. 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.

ART (ART)

ART 130 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: 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. Placing emphasis on the use of form, line quality, linear organization, color harmony, modeling, compositional balance, and constructive critiquing. Materials explored in this course: 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 persons of Afro-American backgrounds. Examines some two hundred years of black creative efforts.

ART 136 Basic Painting **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. (*Spring Semester*).

ART 137 Studio Painting **Three credit hours**

A course designed to utilize the intermediate to advanced skills of painting. Placing emphasis on the use of form, line quality, compositional organization, color harmony, modeling, compositional balance, constructive critiquing, technique, conceptualism, and series work. (*Fall Semester*). Prerequisite: Permission of Art 136 instructor.

ART 230 Art for the Elementary School **Three credit hours**

A discussion of skills which will facilitate art work in the elementary school. Emphasis on developing 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 beginning with prehistoric cave paintings to exploration of artistic developments in the twenty-first century. (Satisfied the Humanities group 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 plan. The course provides an overview of personal financial planning process, including development of goals and objectives, forecasting of lifetime income and expenditures, evaluations of alternative investments, money management, risk management, taxation, and retirement & 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: ACC235-236, 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 and 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 investment, 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 simulation. 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 and of the student. 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. Offered during the summer only.

BIO 142 Concepts of Modern Biology **Four credit hours**

A study of the major concepts which form the basis of modern biology. These include evolution, taxonomy, cell theory, development and differentiation, Mendelian genetics, molecular genetics, and ecology. The course will provide a survey of these areas with an emphasis on the historical development of each area, their practical role in biology today and how they integrate among themselves and with the other natural sciences to create a functional, understandable biosphere. This course is intended as an introduction to general biology for physical education, psychology, and social work majors. For students majoring in these areas this course also serves as a prerequisite. This course does not count toward the biology major or minor or the general science major. Lectures: three hours a week. Laboratory: three hours a week.

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: 3 hours per week. Laboratory: 3 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: 3 hours per week. Laboratory: 3 hours per week.

BIO 218-219 Sophomore Seminar I and II **One credit hour**

Students will 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: BIO 143 and 144 or permission of department. One lecture per week plus attendance at departmental seminars. Cross-listed as CHE 218-9 and NSC 218-9

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 will cover the histological and physiological aspects of human systems. Prerequisite: BIO 142 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, 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**

BIO 245 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 covered. 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. This comprehensive course contains both lecture and laboratory components. Prerequisite: BIO 240 and sophomore standing. Lectures: three hours a week. Laboratory: two hours a week.

BIO 247 Zoology **Four credit hours**

Study of the biology of the major groups of animals with an emphasis on morphology, taxonomy, diversity and physiology. Prerequisite: BIO 143 and 144. Lecture: 3 hours per week. Laboratory: 3 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 318 Junior Seminar I **One credit hour**

Students will practice writing personal statements, explore career goals and prepare applications to internships, graduate and professional programs. Prerequisites: Junior standing or permission of department. This is the first required course for the Senior Investigative Paper sequence. One contact hour each week, plus required seminar attendance. Cross-listed as CHE 318 and NSC 318.

BIO 319 Junior Seminar II **One credit hour**

Review and discussion of literature and resource materials as they pertain to Biology. Ethical considerations related to research will also be discussed. The student will select a senior paper topic, research it and write and orally present a proposal defending the choice. Prerequisites: BIO 318. This is the second required course for the Senior Investigative

Paper sequence. One contact hour each week, plus required seminar attendance. Cross-listed as CHE 319 and NSC 319.

BIO 331 Laboratory Techniques **Three credit hours**

An interdisciplinary course in laboratory methods which will 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 in such a way that 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 will be read and discussed in class. Students will 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 will be required of each student. Prerequisite: Three hours of science credit.

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. Literature of original authors is read, discussed and criticized. Authors include Aristotle, Buffon, Agassiz, Lamarch, Darwin, Wallace, Mayr, Dobzhansky, Wilson, Gould, and others. 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 human genome project, genome sequence acquisition

and sequence analysis, pair wise and multiple sequence alignments, database searches, and some case studies. The students will be able to analyze, develop and implement tools that enable efficient access and management of different types of information and will be able 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 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: must be a senior or have approval of the seminar coordinator.

BIO 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 chosen in BIO 329. Attendance at Natural Sciences Seminars is required. This is a course in the Senior Investigative Paper sequence and is cross-listed as CHE 419 and NSC 419. Prerequisite: consent of department.

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 by Department Chair.

BIO 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. This is a course in the Senior Investigative Paper sequence and is cross-listed as CHE 429 and NSC 429. Prerequisite: consent of department.

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 by Department Chair.

BIO 433 Explorations in Genomics **Three credit hours**

This is a research based course in Genomics. The students will 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 etc, 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, 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**

The Pharmacogenomics 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 will be 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 will learn to use software packages for processing biological information and will be 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 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 which will provide the student with exposure to the job market. The student will be 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 will be 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 (PERT CRP and CPM), forecasting and others. 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 organization including ethical consideration of managers, shareholders and consumers. Topics covered include torts, contracts, consumer credit, corporations, employer-employee relationships, etc. 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. 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 will be analyzed.

Corequisites: ACC 236; ECO 232.

BUS 410 Professional Preparation **One credit hour**

This course will provide 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 will culminate with the completion of an investigative paper in BUS 460. Prerequisites: 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 in formulating management policies. Prerequisite: ACC 236, MGT 334, ECO 232, BUS 234, BUS 330, BUS 339, MKT 331.

BUS 460 Senior Paper **Three credit hours**

Students will write an investigative paper based upon the research proposal developed in the prerequisite course. The paper will be done under the supervision of a faculty person. Prerequisite: BUS 433.

BUS 490 Internship **Three credit hours**

Internship related to Business. Minimum of 120 hours of on-the-job experience designed to bridge the gap between the academic world and the business world. 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. Offered during the summer only.

CHE 111 General Chemistry Laboratory I **One credit hour**

Laboratory course to accompany Chemistry 131. Corequisite: 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. Corequisite: 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 will be 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 or passing score on departmental placement exam, or approval of department head. Three lectures a week.

CHE 132 General Chemistry II **Three credit hours**

A continuation of Chemistry 131. Prerequisites: CHE 131. Corequisite: 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. Corequisite: 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. Corequisite: CHE 232 or consent of department. Four hours of lab per week.

CHE 218-9 Sophomore Seminar I and II **One credit hour**

Students will 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: CHE 131 and 132 or permission of department. One contact hour per week plus attendance at departmental seminars. Crosslisted as BIO 218-9 and NSC 218-9

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, 231. Four hours of laboratory a week.

CHE 318 Junior Seminar I **One credit hour**

Students will practice writing personal statements, explore career goals and prepare applications to internships, graduate and professional programs. Prerequisites: Junior standing or permission of department. This is the first required course for the Senior Investigative Paper sequence. One contact hour each week, plus required seminar attendance. Cross-listed as BIO 318 and NSC 318.

CHE 319 Junior Seminar II **One credit hour**

Review and discussion of literature and resource materials as they pertain to Chemistry. Ethical considerations related to research will also be discussed. The student will select a senior paper topic, research it and write and orally present a proposal defending the choice. Prerequisites: CHE 318. This is the second required course for the Senior Investigative Paper sequence. One contact hour each week, plus required seminar attendance. Cross-listed as BIO 319 and NSC 319.

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. Prerequisites: 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 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 to complement the discussion. Prerequisites: CHE 212, 232 and 343 or consent of 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 419 Senior Seminar II **One credit hour**

Independent investigation into the selected topic of the Senior Paper. and independent review of chemistry with periodic exams. 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 chosen in CHE 329. Attendance at Natural Sciences Seminars is required. This is a course in the Senior Investigative Paper sequence and is cross-listed as BIO 419. Prerequisite: consent of department.

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; however 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 by Department Chair.

CHE 429 Senior Seminar I **Two credit hours**

Independent investigation into the selected topic of the Senior Paper and independent review of chemistry with periodic exams. 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. This is a course in the Senior Investigative Paper sequence and is cross-listed as BIO 429. Prerequisite: consent of department.

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; however, 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 by 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. Lecture 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. Lecture three hours a week.

CHE 490 Internship Three credit hours

A supervised internship with hands on experiences in a professional environment which will provide the student with exposure to the job market or graduate school. The student will be 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 the scientific literature. A current topic selected by the instructor will determine 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 ever-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 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.

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 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 from and field trips to local communication organizations. Required of all Communication Arts majors. Should be taken in the sophomore year. Prerequisite: 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: 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 will prepare 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, 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 and 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, 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 for video. 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 and 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 some 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 – editing will be included as substantive material both semesters. Copy editing, headline writing, layout, and other facets of editing newspapers, with some attention to other types of publications, will be 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 Reporting and permission of instructor.

COM 335 Public Relations I **Three credit hours**
Training and extensive practice in employee communications, one of the two principal foci of public relations practice. The complementary course, PUR 335, 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 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 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 fall and the other spring. Prerequisite: Permission of department.

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 and production rooms and in the field. Includes the study of audio equipment and 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 of the work. Writing, producing and editing video projects. Prerequisite: COM 239.

COM 360 Junior Seminar **Three credit hours**

The student will formulate a topic, conduct a literature search, and develop a research plan as necessary to write a proposal for a senior investigative paper. The proposal will be presented orally, using audio-visual support when appropriate, and reviewed by at least one reader who is not the instructor, but whose advice will be considered by the instructor 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 – includes production of titles and graphics for video. 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: 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—an ability to critically assess and respond to mass mediated messages. Students will learn how media content is constructed and will learn 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 simulation and experiential activities, with multicultural experiences, and with 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, editing, etc.

May be repeated once for credit if space permits. Prerequisites: COM 237 and at least one of the following: COM 238 or 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 form 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, editing, etc. May be repeated once for credit if space permits.

Prerequisites: 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 will be on the role of the sports announcer. Students will learn the fundamentals of sports reporting, sportscasts, sports critiques, and 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 in planning and conducting public discussions. Practice in parliamentary procedure.

Prerequisite: 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 will write a senior investigative paper and present it orally, using audiovisual support when appropriate. The paper will be reviewed by at least one reader who is not the instructor, but whose advice will be considered by the instructor in determining the grade. Successful completion of the course requires acceptance of the senior investigative 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 desired. May be repeated for a total of six credit hours. An internship requires 120 hours of work time for 3 hours of academic credit. Prerequisite: Permission of instructor and advisor.

COM 499 Independent Study in Communications **One, Two, 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 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, an introduction to electronic circuits and systems and 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. 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 the CSE-331, Circuit Theory I. 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: Circuit Theory I CSE 331

CSE 430 Senior Project**Three credit hours**

The department will offer a group of senior projects every year which cover different areas in computer science, information technology and computer engineering. These projects will 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, an introduction to 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 supervision of faculty, to obtain work experience in the areas covered by the department 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 3 credit hours 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, Nyquist 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. 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, practical microprocessor architecture. Prerequisite: CSE 330.

CSE 439 Special Topics in Computer Science and Engineering **Three credit hours**

In this course special topics cover new advances in computer science, computer engineering and information technology will be selected and offered by the department. The theme covered by the course may change from one semester to another. Examples are topics to cover 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 will also introduce students to the World Wide Web and its application.

CSC 132 Introduction to Programming **Three credit hours**

This is an introductory level course in programming using Visual Basic (VB). Fundamental programming design concepts are introduced using flow charts and 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. Prerequisite: MTH 131 or higher.

CSC 231-232 Programming I, II **Three credit hours**

These two courses include fundamentals of computer program design, flow charts and 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. 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. Prerequisite: 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. Multi-linked structures, files, and storage allocation and collection. Prerequisite: CSC 232.

CSC 330 Systems Analysis and Design **Three credit hours**

The course introduces the students to system concepts, tools, and software engineering approach to the analysis and design of systems to meet the needs of the 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, web site design and implementation using various links to databases and other web sites and applications on 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 human genome project, genome sequence acquisition and sequence analysis, pairwise and multiple sequence alignments, database searches, and some case studies. The students will be able to analyze, develop and implement tools that enable efficient access and management of different types of information and will be able to 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. 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. Human Genome project has produced a large amount of biological data which is currently stored in databases around the world. The students will learn how to manipulate the sequencing and other biological data. Programming languages such as Perl and/or Python, suitable for manipulating textual data and pattern searching, will be used to extract, modify and manipulate data. The students will learn to access supercomputer (located at Carnegie Melon in Pittsburgh), and program in 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 Turing 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 in Genomics. The students will 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 etc, 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, assigning biochemical and biological function to the gene. Prerequisites: BIO 336, CSC 336 or Departmental approval.

CSC 435/BIO 435 Special Topics: Bioinformatics Algorithm **Three credit hours**

This course provides an introduction to the algorithmic techniques applied in bioinformatics. The students will learn to use software packages for processing biological information and will be 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 Intro Bioinformatics.

CSC 436 Topics in Computer Science **Three credit hours**

Courses 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 and software, and communications media, LANs, WANs, MANs, network topology and applications, intersystem connectivity, network management, shared media and switched networks, servers, video conferencing 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 the student to the criminal justice system in America. It will provide a comprehensive survey of current theories and practices in the field of criminal justice. Included in the course will be a study of the principle functions of law enforcement agencies, courts, and correctional institutions, as well as a survey of criminology theory. (*Offered Fall and Spring Semesters*).

CRIM 230 Crime and Society **Three credit hours**

An analysis of current issues in criminal justice with an emphasis on opposing view points. Students will learn to understand and evaluate the debates surrounding issues and how they relate to race, economics, politics, morality, and ethics. Students will be encouraged to develop and express an educated opinion on the topics explored. Offered in 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. Offered Alternate Years. Prerequisite: CRIM 131.

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. Offered Alternate Years. Prerequisite: CRIM 131.

CRIM 334 Criminal Investigation **Three credit hours**

This course will expose students, through lecture and hands-on experience, to the techniques and application of criminal investigative procedures. Students will be 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. Offered Alternate Years. Prerequisite: CRIM 131.

CRIM 339 Criminology **Three credit hours**

An examination of both classical and contemporary theories of crime, its causes, consequences and prevention. Offered Alternate Years. Prerequisite: SOC 131.

CRIM 430 Police Administration **Three credit hours**

A study of the historical and contemporary organization and administration of the police. Special emphasis will be 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 (part I). Prerequisite: Nine credit hours of sociology or consent of instructor. This course must be completed with a grade of C or better before enrolling in CRIM 490. (*Spring Semester*). Prerequisite: SOC 131.

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. (*Fall Semester*). Prerequisite: SOC 131 and CRIM 432.

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 usage in the United States. This course will cover the history, regulation, pharmacology, and 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. Offered Alternate Years. Prerequisite: CRIM 131 or Law 230.

CRIM 436 Internship in Criminology **Three credit hours**

Through placement in a criminal justice agency or social service agency, students will put into practice concepts, methods and theories learned in course work. Students will work 120 hours at an agency during a semester. Course may be taken twice. Prerequisite: CRIM 131. Offered every Semester.

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. Offered Every Semester. Prerequisite: CRIM 131; CRIM 432; 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 (12) hours.

DRAMA AND FILM (DRA)

The following courses are offered in Drama and Film through the Department of Communications, Music and Fine Arts:

DRA 232 Introduction to Theatre **Three credit hours**

A comprehensive survey of history and theory of the theatre from classical to modern times. Emphasis on performance.

DRA 330 African-American Film History **Three credit hours**

African-American Film History is a 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 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 given to acting, lighting, costuming, make-up, scene design, and other aspects of the art. Lecture and workshop. 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 in Principles of Macroeconomics. The course deals with the scope and methodology of economics as a social science, 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 the permission of the instructor.

ECO 232 Principles of Microeconomics **Three credit hours**

This course examines the fundamental Principles of Macroeconomics.

It 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: Econ 231 or permission of the instructor.

ECO 233 Economic 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 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), forecasting and others. Prerequisites: 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 the firms. Prerequisite: ECO 231 and 232.

ECO 336 Macroeconomic Theory **Three credit hours**

An analysis of the national income level, employment and price level. 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. Major concentration on African countries. Prerequisite: ECO 335 and 336 or permission.

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 By Permission of Instructor.

ECO 438 Environmental Economics**Three credit hours**

This course will focus 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 will be studied. Pollution taxes, regulations, marketable permits and subsidies considered in designing alterations in the incentive system will also be studied as well as non-market decision making as an alternative in the area of public policy. Prerequisite: ECO 232 or By Permission of Instructor.

EDUCATION (EDU)

EDU 230 Exploring Teaching as a Career of Education**Three credit hours**

This course is 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 will be on teaching as a profession as well as issues and trends in contemporary American education. Students will learn about the leadership roles that teachers provide in the schools, in the community and for the teaching profession. Additionally, students will learn about the history of American education as well as philosophies of education. Observations and participation in school settings are required to assist candidates in exploring teaching as a career option. (Formerly EDU 230 Introduction to the Foundations of Education)

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. An introduction to teaching will focus on issues in schools and teaching

in diverse classrooms, as well as, the historical and philosophical foundations of education. Emphasis will be 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 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 will provide junior year students in 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 Education 337. Prerequisite: Consent of Department of Education.

EDU 312 Junior Practicum in Secondary Education **One credit hour**

The Practicum will provide junior year students in 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 Education 439 Content Area Reading. 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. Issues and trends in education will be explored from a global perspective. Work in the course will be reading, writing, speaking, and thinking intensive. 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 Education 311. Prerequisite: Consent of Department of Education.

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 to be completed. May be taken for credit in early childhood, elementary, or secondary education. Prerequisite: Content of Department of Education.

EDU 430 Senior Practicum in Elementary Education **Three credit hours**

This will provide senior year candidates in elementary education with an opportunity to strengthen and continue the development of knowledge, skills and dispositions to work effectively with all elementary children. Candidates will spend two full days each week for the entire semester working in a K-6 classroom setting. Students will be placed in the same classroom that will serve as their student teaching placement. This course will be 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 will provide 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 elementary school children. Students will spend two full days each week for the entire semester working in a secondary education or Special Area (K-12) classroom setting. Students will be placed in the same classroom that will serve as their student teaching placement. This course will be taught concurrently with EDU 435, The Secondary School Curriculum. 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 will be 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 elementary teachers to teach social studies in the elementary school. The course will focus on social studies content, pedagogy, technology, diversity issues; standards based education, and field experiences. This course will be 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 will examine philosophies, theories, aims, goals, principles and practices. The course will also include classroom and behavior management. This course will be 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 will examine philosophies, theories, aims, goals, principles and practices. The course will also include classroom and behavior management procedures. This course is taught concurrently with Education 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 will 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 will be 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 senior paper under supervision of an advisor and one additional faculty member. The investigative 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 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 which 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 will provide 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 will spend three full days each week for the entire semester working in a classroom setting in their teaching area. Students will be placed in the same classroom that will serve as their full-time teaching internship placement. This course will be taught as part of a senior learning community block for elementary candidates and currently with a content methods course for secondary and special area (K-12) 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**

In Teaching Internship II, candidates will 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.

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.

ENG 132 Introduction to**Three credit hours****Literature Appreciation**

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 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 132.

- 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 which 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 the study of literature, and issues of literacy. Required for all English majors.
- 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. Offered in alternate years. Prerequisite: ENG 234 or consent of instructor.
- ENG 335-336 American Literature** **Three credit hours each**
A survey of American literature from selected works of the Colonial Period to selected works of the present time. Offered in alternate years. Prerequisite: ENG 234 or consent of instructor.
- 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. Enrollment with prior consent of instructor. May be repeated once for credit with permission of the instructor, but only three hours may be counted toward English major requirements.
- 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 of the 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 of a screenplay. The course includes a comprehensive study of successful screenplays. (Same as VPT 323)

ENG 429 The Teaching of English **Three credit hours**

A study of philosophy, materials, and techniques used in teaching language, literature, and composition in grades 7-12.

ENG 430 Milton **Three credit hours**

Selected prose and all of 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 non-sectarian literature course which aims to lead the student – as lay reader – to an understanding and appreciation of the Sacred Writings of the Christian tradition as literature. It will be 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, 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. Varying choice of authors and subjects 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, 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. Enrollment by permission of instructor.

ENG 490 Senior Seminar **Three credit hours**

The Senior Seminar is required of all English majors. All majors will be required to complete successfully (a grade of C or above) the senior investigative paper in order to satisfy one of the departmental graduation requirements. This is a research seminar in which students write their senior investigative papers. 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 which 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 permitted to contract to complete work in the areas of language, writing, or literature. Enrollment: one, two, or three hours according to the scope of work to be 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. *Subject to departmental approval.* Prerequisite: FRE 232 or permission of instructor. *NOTE: 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 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, 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 on different types of writing (memoire, explication de texte, exposé) based on literary selections. Conducted in French. Prerequisite: FRE 232 or permission of instructor.

FRE 334 Applied French Phonetics **Three credit hours**

Formal study of 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. *Subject to departmental approval.* Prerequisite: FRE 232 or permission of instructor. *NOTES: 1) 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; 2) Under the Cooperative Education Program, a one-semester assignment is considered an internship; 3) 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 may include Sembene, Bebey, Beti, Ojono, Bâ, Beyala, Ngosso Kouo, Rawiri, Traoré, Abibatiou, Yaou, Zanga Tsongo, Condé, Schwart-Bart, Wagna-Vieyra, 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**

First-hand study of the French language, literature, and/or civilization abroad. Prerequisite: Any introductory French course or permission of coordinator. *NOTE: Credit hours of academic program abroad subject to departmental approval and proper filing in the Office of the Registrar 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 the major literary works, with emphasis on the development of the French language and literary style. Authors studied include Villon, Christine de Pisan, 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 the major literary styles and works of the era. Authors studied include Montaigne, DuBellay, Ronsard, Rabelais. Conducted in French. Prerequisite: FRE 331 or permission of instructor.

FRE 433 French Literature of the Seventeenth Century **Three credit hours**

Study of the major literary works, with 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 the 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 the major literary works, tracing the development of Romanticism, Realism, and Naturalism. Authors studied include Lamartine, Chateaubriand, Hugo, Stendhal, Balzac, Flaubert, Zola, Baudelaire. Conducted in French. Prerequisite: FRE 331 or permission of instructor.

FRE 436 French Literature of the Twentieth Century **Three credit hours**

Study of the 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 the 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, Labou Tansi. Conducted in French. Prerequisite: FRE 331 or permission of instructor.

FRE 438 Francophone Literature of the Maghreb **Three credit hours**

Study of the major literary works from North Africa focusing on the question of cultural identity. Authors studied include Kateb, Khatibi, Ben Jelloun, Djébar, Memmi, Chraïbi. 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 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. *NOTE: 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 and struggle for cultural and political identity, 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 beyond 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. Enrollment: one, two or Three credit hours according to the scope of work to be completed. 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 beyond 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 121 Personal Health* **Two 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, etc. This course satisfies the general education requirement for majors and non-majors. *Satisfies Liberal Studies Requirement.

HED 230 Introduction to Health Education **Three credit hours**

This is the first course for students majoring in Health Education. It is designed to provide: an overview of the field, information concerning career opportunities and professional growth, and practical experience in an area of interest with a minimum of ten (10) hours of observation at an outside agency or organization. (Formerly HED 221)

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 health aspects of the community such as sanitation, pollution, disease, etc. and their implications for society.

HED 234 Healthful Living **Three credit hours**

This course provides the student knowledge and techniques of health as it affects personal, professional, and family living. Health careers are also an aspect of this course. This course requires students to complete the American Red Cross Certification Program in First Aid and Safety and CPR. Satisfies the general education requirement in health for Health Education majors only.

HED 235 Drugs and Drug Education **Three credit hours**

This course is concerned with the effects of the use and the abuse

of drugs, alcohol and tobacco on the individual and society. Drug education techniques are also a part of this course. This course features a service learning component. (Formerly HED 225)

HED 310, 320, & 330**One - Three credit hours****Independent Study**

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 the academic advisor and the instructor related to the topic.

HED 332 Health Education**Three credit hours****and Physical Activity in the Elementary Schools**

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**

A study of the school health program, its values, and its problems in developing health education in the secondary school.

**HED 334 Program Planning
and Evaluation****Three credit hours**

The process of planning, implementing, and evaluating health programs in the community. Total program development will be 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 discuss the social characteristics of minority populations, mortality and morbidity indicators, prevention strategies, and the recommendations by the Department of Health and Human Services.

HED 336 Death and Dying**Three credit hours**

This course will examine the cultural perception, trends, economic and emotional factors associated with death and dying.

HED 338 Junior Seminar**Three credit hours**

The first of two formal courses that facilitates the writing of the senior investigative paper. The student will complete a proposal for their senior paper as an outcome of this course. To accomplish this outcome, students will learn research methods and strategies necessary to complete an acceptable proposal for their senior investigative paper.

HED 430 Senior Seminar **Three credit hours**

This is the second of two formal courses that facilitates 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 senior paper. The students will complete their senior investigative paper as an outcome of this course. (Formerly PED 430)

HED 433 Internship **Three credit hours**

A supervised internship in a professional work environment which will provide the student with exposure to the job market in sport-related businesses and public health agencies. Each student will be responsible for 120 hours of work and be required to present detailed descriptions of work activities and experience.

HED 434 Methods and Materials in Teaching Health Education **Three credit hours**

A course 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. This course includes an observation period, the use of A-V material and equipment, and exposure to the computer. Prerequisite: Health Education 333. Co-requisite: 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**

To develop knowledge and skills to administer public health agencies. Emphasis will be placed on managing public health programs at the local and state levels, emphasis will be placed on analyzing public health programs, and emphasis will also be placed on evaluating the role of public health in health care services.

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 its European background 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 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 origins in pre-Columbian America 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 will attempt 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 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

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, 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 and types of colonial rule, the struggle for independence, and challenges of development.

HIS 338 African-American History I Three credit hours

A survey of African-American history from its beginnings in the British North American Colonies to Reconstruction.

HIS 339 African-American History II Three credit hours

A survey of African-American history from Reconstruction to the present.

HIS 391 Historiography Three credit hours

An introduction to the methods of historical research, the more prominent philosophies of history, and an investigation of the work of outstanding historians. History majors will develop senior paper proposals. A writing intensive course. Required of all history majors and social studies education majors. Should be taken Spring Semester of junior year.

HIS 392 Women's History Three credit hours

This course will explore the social, economic, and political movements of American women over four centuries. African-American, Native American, and European-American women will be studied. 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. 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. 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, North-East, 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 which permit advanced work in different fields of historical study.

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 491 Senior Paper **Three credit hours**

Production of senior paper. Research, writing, and oral defense of the paper. A writing intensive course. Required of all history and social studies education majors. Should be taken Fall Semester of senior year. Prerequisite: HIS 391.

INTERDISCIPLINARY STUDIES (IDS)**IDS 216 Topics in Interdisciplinarity I** **One credit hour**

Students will be introduced to methods and models of interdisciplinary research by attending presentations in IDS 331 and 431. They will develop standards for oral presentation by assessing the senior presentations, and will demonstrate the ability to comprehend the content of those presentations by sitting for periodic tests. Recommended for sophomores in the Fall Semester.

IDS 217 Topics in Interdisciplinarity II **One credit hour**

Students will be introduced to methods and models of interdisciplinary research by attending presentations in IDS 331 and 431. They will develop standards for oral presentation by assessing the senior presentations, and will demonstrate the ability to comprehend the content of those presentations by sitting for periodic tests. Recommended for sophomores in the Spring Semester.

IDS 318 Topics in Interdisciplinarity III **One credit hour**

Students will be introduced to methods and models of interdisciplinary research by attending presentations in IDS 331 and 431. They will refine standards for oral presentation by assessing the senior presentations, and will demonstrate the ability to comprehend the content of those presentations by sitting for periodic tests. Recommended for juniors in the Fall Semester.

IDS 331 Junior Seminar (Research Methods) **Three credit hours**

Students will be introduced to models of interdisciplinary research. They will 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 Interdisciplinary Studies majors.

IDS 431 Senior Seminar **Three credit hours**
(The Senior Integrative Paper)

This is a “capstone” course in which students are guided in discerning commonalities, as well as defining historical differences, across disciplines and in integrating their different areas of focus. Students will write the Senior Investigative Paper and present it orally. Successful completion of the course requires that the instructor certify by signature that the senior investigative paper meets established guidelines relating to the integrative nature of the program. The course requires regular individual meetings with the instructor (or designated paper adviser) in addition to scheduled class time. Required of all senior Liberal Arts majors. Prerequisite: Completion of IDS 331 with a C or better. Students carrying an incomplete in IDS 331 cannot register for this course.

IDS 496-497-498 Special Topics **One, Two or Three credit hours**
in Interdisciplinary Studies

Detailed investigation of special topics determined by the instructor which permits advanced work of an interdisciplinary nature in Liberal Arts. Enrollment by permission of instructor. (May be repeated for credit, and may fulfill one of the Discipline-related electives.)

IDS 499 Independent Study: Internship **(Max: 6 credit hours)**

A planned and structured project cooperatively determined by student and instructor. Student permitted to contract work in focuses of special interest. Enrollment: One, two or three hours according to the scope of the project to be completed. Students must work 40 hours for each credit hour earned for internship placements. May be repeated for credit for a different project. Multiple enrollments may not exceed six hours. Not appropriate for sophomore students. (May fulfill one of the Discipline-related electives.)

LATIN (LAT)

(The Elementary and Intermediate Latin sequence is offered on a biannual 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 from the target language.

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 from the target language. Prerequisite: LAT 131 or placement by examination.

LAT131/132 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 from the target language.

LAT 231 Intermediate Latin I **Three credit hours**

This course continues to build proficiency in reading classical Latin. While additional vocabulary is to be acquired, this course shifts its emphasis toward training a good grasp of Latin syntax. The study of Roman culture continues and relies on a greater number of authentic and fewer adapted texts. Prerequisite: LAT 131, 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 and 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*).

LAW 394 LSAT Preparation **Three credit hours**

The course is designed to assist students in developing critical reading, logical reasoning and test taking skills and prepare students to take the LSAT. (*Fall Semester*).

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 also 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 other humans. Students will conduct inquiry into the systems and factors of this process beginning with those which may have formed their individual identities: family, religious, political, and socio-cultural systems. Inquiry will be 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 will be 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 will be 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 will, through the methodology of history, introduce 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 will, however, be 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 to 1500 C.E. Patterns of interaction between civilizations and the relevance of the past for the present will also be considered. Contributions of Western and non-Western cultures and civilizations will be 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 C.E. to the present. Patterns of interaction between civilizations and the relevance of the past for the present will also be considered. Contributions of Western and non-Western civilizations will be 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 will be 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 will be 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 ability to analyze and to 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 permission of instructor. This course may be repeated for additional credit.

MGT 438 International Business **Three credit hours**
This course will examine 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 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 350 Consumer Behavior **Three credit hours**
Study of the theories of consumer, with contribution from social sciences, and the implications on human consumption including decision making factors which 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 decision areas relating to wholesaling and the overall flow of economic goods and services through these agents. Prerequisite: MKT 331; 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 based on the score on the Mathematics Placement Exam or by SAT/ACT data, and must be made by the department only. *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, 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 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; Conic sections. Prerequisite: MTH 131 or by placement or consent of Department.

MTH 138 Precalculus II **Three credit hours**

The Trigonometric Functions; Trigonometric Identities and Conditional Equations; Applications of Trigonometry; Systems of linear equations; Matrices and Determinants; 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 311 Junior Seminar I **One credit hour**

This course will precede the Junior Seminar II course and is designed to begin the facilitation of the writing of the senior investigative paper. It will expose students to mathematical research topics and mathematical presentation tools. One contact hour each week.

MTH 312 Junior Seminar II **One credit hour**

This course will follow the Senior Seminar I course and is designed to continue the facilitation of the writing of the senior investigative paper from Junior Seminar I. It will further enhance students' skills in developing mathematical research topics and the use of mathematical presentation tools. One contact hour each week.

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, 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, linear transformations, theory and applications of matrices and determinants. Prerequisite: MTH 231 or consent of department.

MTH 337 Mathematics for Elementary School Teachers I **Three credit hours**
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. Three lectures per week.

MTH 338 Mathematics for Elementary School Teachers II **Three credit hours**
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. Three lectures per week.

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, approximation problems, Fourier series, and quadratic forms; LU-decomposition, approximating eigen values, complex numbers, modules, complex conjugates, complex vector spaces, unitary, 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, math and culture. Prerequisite: MTH 232. Three lectures per week.

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 SIP topic chosen. These are the two courses in 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, test-taking strategies, as well as review of topics from math major courses. Corequisites/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 are consistent with student interest and career objectives. Written reports will be required. Prerequisite: Advanced standings 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. Three lectures per week.

MTH 432 History and Foundations of Math **Three credit hours**

History of mathematics through creative problem solving. Set theory in the development of modern 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, 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. Three lectures per week.

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 Corequisite: 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 Laurent series, singularities, zeros and poles, residues, 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 and finite fields. Modules over rings; 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. Three lectures per week.

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 and Fermat's Little Theorem, Euler's Theorem, The Euler Phi-Function, Applications to cryptology. Prerequisite: MTH 335. Three lectures per week.

MTH 490 Internship in Mathematics **Three credit hours**

A supervised internship in a professional environment which exposes the student to how mathematics is applied to solving real world problems, as well as enabling students to interact with mathematicians in a setting other than the classroom. The student will be required to formally present a detailed description of his/her experiences. Prerequisite: Departmental approval.

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. This 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**

This course is designed to prepare elementary teachers to teach mathematics in the elementary school. The course will focus on mathematics content, pedagogy, technology, diversity issues, standards-based Education, and field experiences. This course will be taught as part of a senior learning community Block. Prerequisite: Admission to Teacher Education.

**MTH 497-498-499 Special Topics One, Two, or Three credit hours
in Mathematics**

A course focusing on a specific topic designed to provide advanced study in the area of special interest in mathematics. This course will serve as a restricted elective course and can be repeated upon departmental approval. Prerequisite: Departmental approval.

MILITARY SCIENCE (MSCI)**MSCI 1101 Leadership and One credit hour
Personal Development**

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. *NOTES: Participation in leadership lab is required. There is no military obligation to take this course. (Fall Semester). Corequisite: MSCI 1101L.*

**MSCI 1101L Leadership and One credit hour
Personal Development Lab**

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).*

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. *NOTES: Participation in leadership lab is required. There is no military obligation to take this course. (Spring Semester). Corequisite: MSCI 1102L.*

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*).

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. *NOTES: Participation in leadership lab is required. There is no military obligation to take this course. (Fall Semester).* Corequisite: MSCI 2101L.

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*).

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. *NOTES: Participation in leadership lab is required. There is no military obligation to take this course. (Spring Semester).* Corequisite: MSCI 2102L.

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*).

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. *NOTES: Participation in leadership lab is required. (Fall Semester).* Prerequisite: Basic Course Credit. Corequisite: MSCI 3101L.

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 will receive systematic and specific feedback on leadership abilities. Cadets at this level serve as the NCO Corps of the ROTC Battalion; 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 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 at the Leadership Development and Assessment Course (LDAC). *NOTES: Participation in leadership lab is required. (Spring Semester).* Prerequisite: MSCI 3101. Corequisite: MSCI 3102L

MSCI 3102L Applied Team Leadership Lab **One credit hour**

Specific instruction is given in individual leader 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 to Army officers. Includes instruction in risk management, training management, code of conduct, rules of engagement, counseling, and evaluations. *NOTES: Participation in leadership lab is required. Mandatory for all senior ROTC students. (Fall Semester).* Prerequisite: MSCI 3101 & 3102. Corequisite: MSCI 4101L.

MSCI 4101L Developing Adaptive Leaders Lab **One credit hour**

Students will 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. *NOTES: Participation in leadership lab is required. Mandatory for all senior ROTC students.* Prerequisite: MSCI 4101. Corequisite: 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 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; selected pieces from standard organ repertoire.

- MUS 119 University Swing Choir** **One credit hour**
Performance of Broadway, jazz, popular, folk, ballads, and other musical genre. 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. (Satisfied the Humanities group 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. (Four class meetings per week.)
- 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.
Lecture: 3 hrs.; Lab: 2 hrs.
- MUS 144 Music Theory II** **Three credit hours**
A continuation of areas begun in Music 143. Prerequisite: demonstration of competencies required in Music 143. Lecture: 3 hrs.; Lab: 2 hrs.
- 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. Offered during the fall semester.
- 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. Offered during the spring semester.
- MUS 212 Jazz Ensemble** **One credit hour**
Performance of jazz compositions in a variety of styles. Membership by audition. May be repeated. Offered during the spring semester.
- 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 continued. Simple modulations at the organ; transpositions and improvisations; repertoire building continued.

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 will 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 will be 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 master-class/workshop format, where students will 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 6 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 to 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. Lecture: 3 hrs.; Lab: 2 hr.

MUS 244 Music Theory IV Three credit hours

A continuation of areas begun in Music 243. Prerequisite; demonstration of competencies required in Music 243. Lecture: 3 hrs; Lab: 2 hrs.

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 (10) students. MUS 312 may be repeated for credit. Prerequisite: Audition; 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 will 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 instruments of the orchestra, together with the practical study of the art of symphonic scoring.

MUS 324 Piano Pedagogy **Two credit hours**
This is a course in the study of the teaching of piano. Students will 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, the music committee, 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 will examine materials on a rotating basis; therefore, 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 era 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 will also examine both accompanied and unaccompanied literature for solo instruments.

MUS 329 Instrumental Pedagogy **Two credit hours**

This is a course in the study of the teaching of instruments. Students will examine various teaching theories and schools of thought in the teaching of their respective instruments.

MUS 331 Introduction to Music Business **Three credit hours**

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 is provided. 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. Emphases are on 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, 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. Emphases on performance practices of hymns; procedures for choosing hymns theologically and thematically compatible with liturgies, seasonal and special church services; musical analyses of selected hymn repertoire; 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. Senior recital.

MUS 415-416 Voice (Individual) **One credit hour**

Continuation of Voice 315-316. 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 fall and spring 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 will be 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 will be 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: Permission 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. (*Offered Fall and Spring Semesters*).

MUS 511 Sight-Singing/Ear-Training **One credit hour**

A continuation of the MUS 510 course. This course is more advanced music reading and dictation. This course includes performance, aural recognition, and notation of more complex melodies, rhythms, triads, and two-voice counterpoint. (*Offered Fall and Spring Semesters*). Pre-requisite: satisfactory completion of MUS 510.

MUS 522 Piano Accompanying **Two credit hours**

This course is an introduction to all aspects of accompanying. The course will focus 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 17th and 20th centuries. This course will examine the history 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 will also examine the chamber music repertoire for various instrumental ensembles.

MUS 524 Vocal Diction **Two credit hours**

This course is an introduction to the IPA (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**
- MUS 616-617 Strings (Individual)** **One credit hour**
- 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**
- MUS 714-715 Woodwind (Individual)** **One credit hour**
- MUS 716-717 Woodwind (Individual)** **One credit hour**
- MUS 718-719 Woodwind (Individual)** **One credit hour**
A study of the technique and repertoire of the chosen instrument.
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**
- MUS 814-815 Brass and Percussion (Individual)** **One credit hour**
- MUS 816-817 Brass and Percussion (Individual)** **One credit hour**
- MUS 818-819 Brass and Percussion (Individual)** **One credit hour**
A study of the technique and repertoire of the chosen instrument.
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 questions that will be considered. For elective credit only.

NSC 130 Introduction to College Science **Three credit hours**

An overview of the content and processes of science. Focus on process skills and basic science concepts. For elective credit only.

NSC 218-9 Sophomore Seminar I and II **One credit hour**

Students will 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: total of 8 hours from Biology, Chemistry or Physics or permission of department. One contact hour per week plus attendance at departmental seminars. Crosslisted 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. Lecture (15-20 total hours) and Laboratory (30-35 total hours). For elective credit only.

NSC 310 Responsible Research Seminar **One credit hour**

The ethical and practical considerations involved in conducting research. General ethical guidelines will be developed and illustrated by case studies of scientific fraud drawn from the original literature. Other topics for possible inclusion 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. This course is offered fall, spring, and summer as demand exists. Prerequisite: Consent of the department.

NSC 318 Junior Seminar I **One credit hour**

Students will practice writing personal statements, explore career goals and prepare applications to internships, graduate and professional programs. Prerequisites: Junior standing or permission of department. This is the first required course for the Senior Investigative Paper sequence. One contact hour each week, plus required seminar attendance. 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 will also be discussed. The student will select a senior paper topic, research it and write and orally present a proposal defending the choice. Prerequisites: NSC 318. This is the second required course for the Senior Investigative Paper sequence. One contact hour each week, plus required seminar attendance. Cross-listed as BIO 319 and CHE 319.

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 chosen in NSC-BIO-CHE 329. Attendance at sciences seminars is required. This is a course in the Senior Investigative Paper sequence and is cross-listed as BIO and CHE 419. Prerequisite: NSC 429 or BIO 429 or CHE 429 or consent of department.

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. This is a course in the Senior Investigative Paper sequence and is cross-listed as BIO and CHE 429. Prerequisite: NSC 329 or CHE 329 or BIO 329 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 mentor and peer mentors. In addition, this course invites students to assess their personal, academic, social and career development in the context of an on-going inquiry into the permanent domains of human concern. This course will meet weekly for a one-hour session and 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 mentor and peer mentors. In addition, this course invites students to assess their personal, academic, social and career development in the context of an on-going inquiry into the permanent domains of human concern. This course will meet weekly for a one-hour session and is a requirement for graduation. Students

on Academic Probation will have a special 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 on-going inquiry into the permanent domains of human concern. This course will meet weekly for a one-hour session and 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 in the Liberal Studies program.)

PHI 233 Practical Logic **Three credit hours**

A survey of the basic problems of clear and straight 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, singles and doubles play.

PED 021 Beginner Golf* **Two credit hours**

This is an activity designed to teach basic golf knowledge and skills preliminary to course play.

PED 022 Basic Swimming* **Two credit hours**

This is a swimming course structured to train students up to advanced beginner level.

PED 023 Advanced Beginner Swimming* **Two credit hours**

A swimming course designed to train students with basic swimming skills. Prerequisite: PED 022 or obtain permission from the instructor.

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, elementary backstroke, etc. Prerequisite: PED 023 or obtain permission from the instructor.

PED 025 Intermediate Tennis* **Two credit hours**

This course affords the student the opportunity to develop more advanced strokes such as the volley, the overhead shot, the drop shot, and the lob. This course also allows the student to be in actual dual match competition in a smaller class setting. Prerequisite: PED 020 or obtain permission from the instructor.

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 which prevent participation in regular activity classes. A student must have permission from a physician before participating in this course.

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, muscular and cardiovascular endurance.

PED 121 Outdoor Pursuits* **Two credit hours**

The purpose of this course is to enhance students knowledge of several outdoor, recreational, physical activities such as hiking, canoeing, cycling, Nordic skiing, alpine skiing, and skin diving.

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.
(Combined PED 012 & PED 015)

PED 123 Basketball and Soccer* **Two credit hours**

This course is designed to introduce the student to the basic skills, strategies, and rules of the two team sports which include basketball and soccer. (Combined PED 013 & PED 014)

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.

PED 125 Rhythm and Dance* **Two credit hours**

This course provides instruction and participation in various dances such as ballroom, folk, square, line, African, modern, etc. (Satisfies elective requirement for Elementary Education majors).

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.

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 by the semester the course is placed on the schedule.

PED 128 Yoga, Stress Management, and Meditation* **Two credit hours**

This course introduces students to the fundamentals of Yoga. The focus is on the improvement in concentration, stress management, proper breathing, physical fitness, flexibility, strength, balance and relaxation.

PED 129 Aqua Fitness* **Two credit hours**

This course will provide 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 will be 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.

PED 224 Dance **Two credit hours**

The techniques of teaching and learning the fundamentals of gymnastics are emphasized, as well as the methods and techniques of teaching rhythm and dance. (Formerly PED 223 & PED 224)

PED 225 Sports Officiating **Two credit hours**

This course will provide 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 226 Theory and Practice of Coaching **Two credit hours**

Theory and Practice of Coaching provides for a beginning study of research-based principles and methods used to coach individual, dual and team sports, for application to coaching and sport programs.

PED 230 Foundations of Physical Education and Sports Management **Three credit hours**

This is the first course for students majoring in physical education and sports management. It is designed to provide the historical, philosophical, sociological, and other foundations areas of physical education and sport. In addition, information concerning career opportunities and professional growth will be presented. Also, a practical experience in an area of interest with a minimum of ten clock hours of observation at an outside agency and/or public school will be 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 that will enhance their effectiveness in understanding and analyzing motor development for infants, children, youth and adults.

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 **Three credit hours**

This course reinforces student knowledge of anatomy, and it provides the student with the opportunity to develop competencies essential to analyzing physical activity performance. A laboratory experience is included. Prerequisite: BIO 240.

PED 335 Methods and Materials of Teaching Pre-School Through 6th Grade Physical Education **Three credit hours**

A course designed to provide students with knowledge and practical experience that will enhance their effectiveness in teaching physical education in pre-school through sixth grade students. A laboratory experience is required. (Formerly PED 321)

PED 336 Adapted Physical Education Pedagogy **Three credit hours**

This course is designed to provide the students with the philosophy, knowledge, and methods of teaching physical education to students with disabilities and those who are exceptional. A practical experience (required lab) is included to implement classroom instruction.

PED 337 Management of Physical Education and Sport Management **Three credit hours**

This course provides the student with competencies essential to managing and administering physical education and sport and safety programs. This course requires students 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 facilitates the writing of the senior investigative paper. The student will complete a proposal for their senior paper as an outcome of this course. To accomplish this outcome, students will learn research methods and strategies necessary to complete an acceptable proposal for their senior investigative paper.

PED 430 Senior Seminar **Three credit hours**

This is the second of two formal courses that facilitates the writing of the senior investigative paper. The purpose of this 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 the senior paper. The students will complete their senior investigative paper as an outcome of this course. (Formerly PED 430)

PED 431 Methods and Materials of Teaching 7th Grade Through 12th Grade Physical Education **Three credit hours**

A study of and 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 will be placed on test construction. Corequisite: EDU 312 (must be taken concurrently).

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 man's well-being. A laboratory experience is required. Prerequisite: BIO 240 and PED 332 (can be taken concurrently).

PED 434 Sport and the Law **Three credit hours**

This course covers a basic knowledge and understanding of the law as it applies to amateur and professional sports. Students identify, analyze, and understand legal issues, and discuss the ramifications of those issues. (Formerly PED 434)

PED 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 will be discussed.

Students will also gain an understanding of the philosophical and ethical background of the sport context. (Formerly PED 435)

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 physics 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 PHY241 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 Math 231 or consent of the Department.

PHY 244 Electricity and Magnetism **Four credit hours**

A continuation of physics 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 PHY243 and Math 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 lecture 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. Lecture three hours a week.

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. Lecture three hours a week.

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 BIO143. 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. (*Offered Fall and Spring Semesters*).

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 instructor's permission. Fall Semester.

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. Offered in alternate years. Prerequisite: POL 131, POL 230 or instructor's permission.

POL 330 Public Administration and Management **Three credit hours**

A study of the formulation of public policy, organization and 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 both 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; 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*).

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*).

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. (*Spring Semester*).

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 on understanding advantages and disadvantages of various research methods, and building facility in reading and evaluating different types of studies. A writing and speaking intensive course, preparatory for senior paper project. Required for all majors. Should be taken spring semester of junior year. Prerequisites: Statistics (MTH 136 or SSC 233); POL 131. (*Spring Semester*).

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; POL 230.

POL 432 Seminar in American Politics **Three credit hours**

In-depth study of selected institutions and processes of 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 various regional and functional 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. Emphasized are 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 will participate in a moot court exercise. Prerequisite: POL 434 or instructor's permission. 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 the formulation and implementation of foreign policy. 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 experience.

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. Should be taken in Fall Semester of senior year. Prerequisites: POL 131, POL 230, 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 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: PSY 131, "C" or better.

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 on data classification, data organization, graphing, distribution description, central tendency, dispersion, z-scores, the Normal Distribution, probability, coefficients of association, coefficient of determination, prediction. (Use of computer for all procedures) Colisted as Sociology 233, Social Science 233). Prerequisite CSC 131 and 6 hours of math, "C" or better.

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)
Corequisite: PSY 333. Prerequisite: PSY 233, "C" or better.

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. (Colisted as African-American Perspectives 537).

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 will work together as teams to conduct demonstration research projects. Further emphasis on mastering APA style and development of basic competence in following a research protocol. Students will also learn to design a basic research project. Corequisite: PSY 234. Prerequisite: PSY 132, "C" or better.

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 a quantitative or qualitative approach better suits the particular research purpose and intended audience, then reexamines supporting literature, theoretical perspectives, methods, procedures,

analysis, and interpretation of expected results. Recommended as preparation for PSY 430. Prerequisite: PSY 234 and 333, "C" or better.

PSY 335, 325, 315 Selected Topics in Psychology **One (315), two (325), or three (335) credit hours**
Exploration of special psychological topics. May be repeated. Prerequisites: Fifteen (15) 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 will be incorporated into coverage of the characteristics of consumers and consumer decision making. Occupations which apply psychological concepts to the study of consumer behavior will be explored.
(Same as PUR 336)

PSY 337 Industrial/Organizational Psychology **Three credit hours**
An examination of the knowledge and skills designed 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 will review the writing of researchers/writers from the Psychoanalytic, Behavioral, Cognitive, Trait and Humanistic perspectives. Methods of measuring personality functioning and promoting change will also be examined. Prerequisite: PSY 131.

PSY 339 Principles of Psychological Measurement **Three credit hours**
An introduction to psychological testing which 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 provided. 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 will be given to the historical, cultural, political, economic and social institutions and influences and their implications for a pluralistic society. These and other issues will be 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, 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. (Same as Sociology 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 such professional psychological activities as testing, counseling, job placement, group therapy, and research. *NOTE: Each student will be responsible for 120 hours of work in a selected community agency and for participation in periodic seminars.* Prerequisites: Fifteen (15) 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 of psychology 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 (416), two (426), or three (436) credit hours**

Independent investigation of topics of special interest. Prerequisites: junior classification, six hours in psychology, approval of faculty supervisor. May be repeated.

RT 561-562 Business & Economics **Three credit hours**

Study of methods, principles and theories of business and economics.

RT 590 Special Topics **Three credit hours**

Courses are usually contemporary and readings in the rational process that involves timely issues.

RT 593-594 Field Experience **One to three credit hours**

These may be conferences and workshops with rational thinking and reasoning as the format.

RT 598-599 Independent Study **One to three credit hours**

Students do a directed research project under the guidance of specialist in reasoning.

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 values for man today.

REL 131 Survey of the Great Living Religions **Three credit hours**

A study of the living religions of the world, including the religions of Africa, in the light of their historical development, beliefs, practices, and contemporary importance. (Satisfies the Humanities group 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 days to the present, with special reference to the development of the Afro-American churches.

REL 236 The History of Christianity in America **Three credit hours**

Major aspects of Christian thought and institutions in the United States, from colonial days to the present, with special reference to the development of the 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 in 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. 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 will 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. Three lectures per week.

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, statistical power. Prerequisites: MTH 131 and 132. (Same as PSY 233, SOC 233) Fall Semester.

SSC 336 Material and Methods in High School Social Studies **Three credit hours**

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 to 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 adults. (Colisted as Sociology 234). Offered alternate semesters.

SWK 239 Introduction to Social Work **Three credit hours**

A survey course which provides a general knowledge of social work as a profession and its many areas of professional practice. (*Offered Fall and Spring Semesters*).

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*).

SWK 331 Child Welfare: Policies and Practices **Three credit hours**

A course designed to offer social work students current and comprehensive information which 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 effect social welfare services. Prerequisite: SWK 239. (*Spring Semester*).

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 which examines human behavior from a normal perspective. Special emphasis on man's bio-psychosocial needs and behavioral consequences when these needs are not met. Prerequisite: SWK 239, SOC 131, PSY 131. (*Fall Semester*).

SWK 335 Human Behavior and the Social Environment II **Three credit hours**

This course continues the study of human behavior in the life cycle at the point where the first component ended during the fall semester. It concludes with specific focus on the bio-psychosocial needs of aged members in our population. Prerequisite: SWK 334. *SPRING SEMESTER*.

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 will provide an introduction to methods of scientific inquiry. The objectives of the course will be to provide opportunities for students to develop an understanding of scientific methodology including single subject design, to utilize research for identifying and validating social needs, and to 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*.

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. *SOCIAL WORK SENIORS ONLY. FALL SEMESTER*.

SWK 434 Social Work Practice II **Three credit hours**

This course emphasizes the development of social work skills for working with communities, large organizations and in areas 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. *SOCIAL WORK SENIORS ONLY. FALL SEMESTER*.

SWK 435 Social Work Seminar **Three credit hours**

A course requiring students to analyze and interpret problems, data and assigned materials connected with field experiences, as a team, in light of established concepts and practice principles previously learned in social work courses. Prerequisite: Must be enrolled in 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. *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, 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 assist student in acquiring first-hand knowledge of social work practices in community agencies through active, professional work experiences four days per 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. *FALL AND SPRING.*

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, statistical power. Prerequisite: MTH 136 or its equivalent. (Colisted as PSY 233, 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.
(Colisted as SWK 234)

SOC 238 Social Problems **Three credit hours**

A sociological treatment of contemporary social problems. Offered alternate years. *FALL SEMESTER.*

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, the ecology, the social processes, the organization, and the problems of the urban community.
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. The role of the church in the social order and social change. (Same as Religion 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.
FALL. Prerequisite: SOC 131.

SOC 436 Internship in Sociology **Three credit hours**

Through placement in a criminal justice agency or social service agency, students will put into practice concepts, methods and theories learned in course work. Students will work 120 hours at an agency during a semester. Course may be taken twice. Prerequisite: CRIM 131 or SOC 131. Offered Every Semester.

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 twelve 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 emphasizing 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. *NOTE: 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 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 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. *NOTES 1: 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 advance registration; 2: Under the Cooperative Education Program, a one-semester assignment is considered an internship; 3: Work experience unrelated to the Spanish major is considered a part-time job. Subject to departmental approval.*
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 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 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 at first-hand of the Spanish language, literature, and/or

civilization abroad. *NOTE: Credit hours of academic program abroad subject to departmental approval and proper filing in the Office of the Registrar 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 which shaped the culture and traditions of the people of Spain from their 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 - to include works by Hispanics 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 the 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. *NOTE: 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 the 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 and beyond or permission of instructor.

SPA 499 Independent Study **One to Three credit hours**

A planned and structured project cooperatively defined by student and faculty. Student permitted to contract to complete work in the areas of Hispanic language, literature, and/or culture. Enrollment: one, two or three credit hours according to the scope of work to be completed. Multiple enrollments under different projects for a maximum of six credit hours. Open to Spanish and French Education majors. Prerequisite: Any 300-level Spanish course and beyond or permission of instructor.

SPORT MANAGEMENT

SPM 233 Sport Practicum **Three credit hours**

The sport management practicum is designed to expose students to work within real sport management settings within intercollegiate athletics. Students will obtain practical experiences working in a supervised on campus sport setting prior to enrolling in the internship course (PED 433). In conjunction, weekly course meetings offer an opportunity for students to learn, compare, contrast, analyze, and evaluate their experience in the various settings. It is a prerequisite to the internship course (SPM 433, formerly PED 433). Students will be required to acquire 60 clock hours of practicum experiences. (Formerly PED 233)

SPM 331 Sport Marketing **Three credit hours**

This course will provide 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)

SPM 333 Sport Facilities Management **Three credit hours**

This course will discuss 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, and athletic clubs. Detailed, practical background on the principles and practices of public assembly facility management and event promotion will be provided. (Formerly PED 333)

SPM 334 Sport Finance and Economics **Three credit hours**

This course will provide students with the traditional and innovative revenue acquisition and generation methods and techniques available to the sports practitioner and sport organizations. Moreover, the course will provide the student with sport economic principles and theories necessary to make pragmatic and critical decisions. In addition to conventional income source, such as tax support, ticket sales, concessions and fund raising strategies, tactics, and procedures, students will receive instruction in more recent innovations related to sport financing. (Formerly PED 334)

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, sport promotion, etc. in amateur and professional sports. (Formerly PED 339)

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 will be

examined and analyzed in the context of their times and their settings. It will introduce students 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.

SPM 433 Internship**Three credit hours**

A supervised internship in a professional work environment which will provide the student with exposure to the job market in sport-related businesses and public health agencies. Each student will be responsible for 120 hours of work and be required to present detailed descriptions of work activities and experience. Prerequisite: 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 the ramifications of those issues. (Formerly PED 434)

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 will be discussed. Students will also gain an understanding of the philosophical and ethical background of the sport context.

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 will also be studied.

VISUAL AND PERFORMING ARTS (VPA)

VPA 230 Seminar Practicum in the Visual and Performing Arts I**Three credit hours**

Students will explore different art forms (theatre, studio arts, graphic arts, music, dance, and film) and reflect upon connections between them. Class will include guest speakers and field experiences (trips to cultural events).

VPA 231 Seminar Practicum in the Visual and Performing Arts II**Three credit hours**

Students will continue to explore different art forms and reflect upon connections between them. They will also be 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 will be critiqued by faculty and upper level students in the program.

VPA 330 Junior Seminar: Portfolio and Project Development **Three credit hours**

Students will conduct guided research to inform work on a capstone project and will produce an annotated bibliography and a project plan. The project will be completed and presented in the Senior Seminar. In close consultation with the instructor and adviser, the student will develop a project plan that displays proficiency in the chosen concentration (portfolio, performance, choreography, direction of a performance, etc.). Required of all junior Visual and Performing Arts majors. Prerequisite: VPA 231.

VPA 430 Senior Seminar: Final Project and Paper **Three credit hours**

Students will complete the capstone project developed and approved in VPA 330: Junior Seminar. A formal paper of ten pages will accompany the project explaining the project's context. The projects (portfolio, performance, choreography, direction of a performance, etc.) will be 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 will identify a site in the community at which they can 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 will meet periodically as 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. Required of all Visual and Performing Arts majors. 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

from Africa as well as their historical and cultural contexts. The course develops strength, aerobic stamina, coordination, flexibility and rhythmic sophistication by working with master drummers, as available.

VPD 332 Kinesiology**Three credit hours**

This course reinforces student knowledge of anatomy, and it provides the student with the opportunity to develop competencies essential to analyzing physical activity performance. A laboratory experience is included. (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, as well as the performance qualities of acting, musicality, and phrasing. Primary focus is on jazz dance. Prerequisite: VPD224 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: VPD333 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: VPD334 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 a screenplay. The course includes a comprehensive study of successful screenplays. (Same as ENG 392; Prerequisite VPA 231 or permission of Chair)
- VPF333 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 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 Chair)
- VPF 431 Documentary Workshop** **Three credit hours**
Students develop the knowledge, tools and techniques needed to create documentary films for broadcast. Students will complete a rough cut by the end of the class of a documentary of a length no longer than sixty minutes. (Prerequisite VPF 332-333 or permission of Chair)
- VPF 433 Post-Production Workshop** **Three credit hours**
Students screen their work, participate in editorial and critique discussions, and explore the whole post-production process (editing, sound, Foley and music). Guest visits and forums when possible. (Prerequisite VPF 431 or permission of 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 on one film in one basic crew role (director, producer, camera, sound, and art direction), but is exposed to the broad spectrum of the whole production experience. (Prerequisite VPF 433 or permission of 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: acrylic and water color paints, charcoal, black ink, graphite, and markers. (Formerly ART 130)

VPG 233 Photojournalism I **Three credit hours**

A course in basic still photography and photojournalism. A laboratory fee may be required. (Same as COM 233; Prerequisite VPA 231, VPG 230 (Formerly ART 231) or permission of Chair)

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 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 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 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 Chair)

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. (Prerequisite VPG 232, VPG 235 or permission of Chair)

VPG 434 Animation II **Three credit hours**

Students are introduced to animating in 3-D, with an emphasis on character performance and drawing. (Prerequisite VPG 433 or permission of Chair)

VPG 333 Photojournalism I **Three credit hours**

Advanced course in composition, use of lighting for print and slide photography. (Same as COM 234; Prerequisite VPA 231, VPG 233 (formerly ART 231) or permission of Chair)

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 Afro-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 beginning with prehistoric cave painting to exploration of artistic developments in the twenty first century. (Formerly ART 231)

VPS 332 Drawing **Three credit hours**

Advanced compositions such as landscape, portrait work, complex still life drawing and conceptual compositions. (Prerequisite VPA 231, VPG 230 or permission of 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 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 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 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 Chair)

VPS 434 Studio Sculpture **Three credit hours**

Study and application of 3 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 Chair)

VPT 232 Introduction to Theatre **Three credit hours**

A comprehensive survey of history and theory of the 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; focuses on voice and diction, characterization, improvisation, and role playing. (Prerequisite VPA 231 or permission of Chair)

VPT 333 Drama Workshop **Three credit hours**

A practical course in the staging of plays. Attention 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 Chair)

VPT 330 African-American Film History **Three credit hours**

African-American Film History is a 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 its 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 Chair)

VPT 433 Modern Drama **Three credit hours**

Extensive reading and study in representative works of modern European and American dramatists. Attention given to purpose. (Same as ENG 433 and formerly DRA 433) (Prerequisite VPA 231 or permission of Chair)

VPT 434 Directing **Three credit hours**

A practical course in directing for the stage; emphasis placed on script selection, analysis, preparation, casting, staging, and design; culminates in a one-act presented at the end of the semester. (Prerequisite VPT 233, VPT 333 (formerly DRA 333) or permission of Chair)

VPT 435 Technical Theatre I **Three credit hours**

Emphasis on technical aspects of performance with particular attention on stage/set design. (Prerequisite VPA 333 (formerly DRA 333) or permission of Chair)

VPT 436 Technical Theatre II **Three credit hours**

Emphasis on technical aspects of performance with particular attention to light/sound design. (Prerequisite VPT 333 (Formerly DRA 333) or permission of Chair)



COURSE CURRICULA

The following curricula represent examples of the 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	1	
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 Students		
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	
FRE or SPA 131	3	
FRE or SPA 132	3	
PED	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	1	
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	122	

BANKING AND FINANCE

Curriculum Requirements		
	Liberal Studies Program	
Banking and Finance Concentration Courses	21	
General Education Courses	51	
Business Core	49	
Total Electives	1	
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 Students		
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	
FRE or SPA 131	3	
FRE or SPA 132	3	
PED	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	1	
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	122	

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 Students		
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	
FRE or SPA 131	3	
FRE or SPA 132	3	
PED	2	
HUMANITIES 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 four 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 Students		
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	
FRE or SPA 131	3	
FRE or SPA 132	3	
PED	2	

HUMANITIES 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 Students		
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	
FRE or SPA 131	3	
FRE or SPA 132	3	
PED	2	
HUMANITIES 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 Students		
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	
FRE or SPA 131	3	
FRE or SPA 132	3	
PED	2	
HUMANITIES 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 Students		
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	
FRE or SPA 131	3	
FRE or SPA 132	3	
PED	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
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 Students		
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	
FRE or SPA 131	3	
FRE or SPA 132	3	
PED	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 350	3	
BUS 490	3	
MGT 336	3	
COM 240	3	
TOTAL	18	
TOTAL ELECTIVES	4	
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	122	

**DEPARTMENT OF
COMPUTER SCIENCE AND ENGINEERING
INFORMATION SYSTEMS ENGINEERING**

Curriculum Requirements	
	Liberal Studies Program
Core Requirements	21
General Education	51
Computer Science Courses	12
Computer Engineering Courses	18
Electives Courses	12
Additional Requirements	11
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	20 pages min. with oral presentation

**GRADUATION REQUIREMENTS CHECK LIST
FOR INFORMATION SYSTEM ENGINEERING (ISE)**

Student Progress Checklist		
Liberal Studies Students		
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	
FRE or SPA 131	3	
FRE or SPA 132	3	
PED	2	
HUM GROUP	3	
ENG 232	3	
TOTAL	51	

**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	12	
Group II	18	
Group III	12	

PHY 243	4	
PHY 244	4	
MTH 136	3	
TOTAL	74	
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	20 pages min. with oral presentation

COMPUTER ENGINEERING

GRADUATION REQUIREMENTS CHECK LIST FOR COMPUTER ENGINEERING (CE)

Student Progress Checklist		
Liberal Studies Students		
Course	Credit Hours	✓
ORT 111	1	
ORT 112	1	
ENG 131	3	
ENG 132	3	
LS 130	3	
CHEM 131	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	
FRE or SPA 131	3	
FRE or SPA 132	3	
PED	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	125

Additional Requirements		
Learning Across the Curriculums Courses	18 Credit Hours	
Community Service	40 Hours	
Lyceum Event Credits	8 Events	
Senior Paper	20 pages min. with oral presentation	
Student Progress Checklist		
Liberal Studies Students		
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	
FRE or SPA 131	3	
FRE or SPA 132	3	
PED	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 Students		
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	

SPE 131	3	
CSC 131	3	
HED 121	2	
MTH	3	
MTH	3	
FRE or SPA 131	3	
FRE 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 Credit Hours	
Discipline-specific Core Courses	15 Credit Hours	
Professional Education Core Courses	33 Credit Hours	
General Education Courses	51 Credit Hours	
Total Hours to Complete Degree	126 Credit Hours	
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	
Student Progress Checklist		
Liberal Studies Students		
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	
FRE or SPA 131	3	
FRE or SPA 132	3	
PED	2	
HUM GROUP	3	

ENG 232	3	
TOTAL	51	
Student Progress Checklist		
Liberal Studies Students		
Course	Credit Hours	✓
PSY 131	3	
BIO 142	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 Credit Hours
Discipline-specific Core Courses	27 Credit Hours
Elective Courses	21 Credit Hours
General Education Courses	51 Credit Hours
Total Hours to Complete Degree	126 Credit Hours

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 Students		
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	
FRE or SPA 131	3	
FRE or SPA 132	3	
PED	2	
HUM GROUP	3	
ENG 232	3	
TOTAL	51	
Student Progress Checklist		
Liberal Studies Students		
Course	Credit Hours	✓
BIO 142	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	
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	126	

SPORTS MANAGEMENT

Curriculum Requirements		
	Liberal Studies Students	
Sport Management Core Courses	12 Credit Hours	
General Management Core Courses	12 Credit Hours	
Professional Sport Management Courses	30 Credit Hours	
Elective Courses	17 Credit Hours	
General Education Courses	51 Credit Hours	
Total Hours to Complete Degree	122 Credit Hours	
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 Students		
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	
FRE or SPA 131	3	
FRE or SPA 132	3	
PED	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 Credit Hours	
PE – Teacher Education Core Courses	22 Credit Hours	
Professional Education Courses	33 Credit Hours	
General Education Courses	51 Credit Hours	
Total Hours to Complete Degree	125 Credit Hours	
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 Students		
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	
FRE or SPA 131	3	
FRE or SPA 132	3	
PED	2	
HUM GROUP	3	
ENG 232	3	
TOTAL	51	

Physical Education Teacher Education Student Progress Checklist		
Liberal Studies Students		
Course	Credit Hours	✓
PSY 131	3	
BIO 142	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 Students		
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	
FRE or SPA 131	3	
FRE or SPA 132	3	
PED	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 12 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. 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 122 122 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
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 Students		
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	
FRE or SPA 131	3	
FRE or SPA 132	3	
PED	2	
HUM group	3	
ENG 232	3	
TOTAL	51	

Student Progress Checklist		
Liberal Studies Students		
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
Community Service	40 hours
Lyceum Event Credits	8 events
Senior Paper /Recital	20 page min. with formal oral presentation

Student Progress Checklist		
Liberal Studies Students		
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	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
Community Service	40 hours
Lyceum Event Credits	8 events
Senior Paper	20 pages with formal oral presentation
Student Progress Checklist	

Liberal Studies Students		
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	
FRE or SPA 131	3	
FRE or SPA 132	3	
PED	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 Students		
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	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 Students		
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	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 Students		
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	
FRE or SPA 131	3	
FRE or SPA 132	3	
PED	2	
HUM GROUP	3	

ENG 232	3	
TOTAL	48	

BIOLOGY MAJOR COURSES

Student Progress Checklist		
Liberal Studies Students		
Course	Credit Hours	✓
BIO 143	4	
BIO 144	4	
Organismal BIO	3 ³	
Cell/Molecular BIO	3 ³	
Population BIO	3 ³	
4 th Core BIO	3 ³	
Advanced BIO I ⁴	3 ³	
Advanced BIO II ⁴	3 ³	
Advanced BIO III ⁴	3 ³	
BIO 218	1	
BIO 219	1	
BIO 318	1	
BIO 319	1	
BIO 419	1	
BIO 429	2	
TOTAL	36 ³	

BIOLOGY MAJOR SUPPORT COURSES

Liberal Studies Students		
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	
50 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 Students		
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	
FRE or SPA 131	3	
FRE or SPA 132	3	
PED	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	
4 th Core BIO	3 ⁷	
Advanced BIO I ⁴	3 ³	
Advanced BIO II ⁴	3 ³	
Advanced BIO III ⁴	3 ³	
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	4	
CHE 343	4	
CHE 344	1	
CHE 411	1	
CHE 412	3	
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

BIO/CHE 218 ¹	1	
BIO/CHE 219 ¹	1	
BIO/CHE 318 ¹	1	
BIO/CHE 319 ¹	1	
BIO/CHE 419 ¹	1	
BIO/CHE 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	39
General Education Courses	48
Other Required Courses	11
Total Electives, or a Minor	24
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 Students		
Course	Credit Hours	✓
ORT 111	1	
ORT 112	1	
ENG 131	3	
ENG 132	3	
LS 130	3	
LS 135 ²	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	
FRE or SPA 131	3	
FRE or SPA 132	3	
PED	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	
CHE 218	1	
CHE 219	1	
CHE 231	1	
CHE 232	1	
CHE 318	2	
CHE 319	1	
CHE 343	4	
CHE 344	4	

CHE 411	1	
CHE 412	1	
CHE 431	3	
CHE 432	3	
CHE 419	1	
CHE 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	24	
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 in 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 Students		
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	0 ¹	
HED 121	2	
PED	2	
MTH 137 or higher	0 ¹	
MTH 138 or higher	0 ¹	
FRE or SPA 131	3	
FRE or SPA 132	3	
HUM GROUP	3	
ENG 232	3	
LS 135 ²	0 ²	
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		
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	8-11 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 in Major.

³ Variations in credits here (from 2-5 credits required) will make the total credits required for the Major vary. This will also affect the number of credits available for Electives or Minors.

⁴ Courses must be higher level than core General Science courses.

⁵ CSC courses are specified as CSC 234, 331, 334, 335, and 439; however, substitutions can 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 Students		
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	2	
MTH	0 ¹	
MTH	0 ¹	
FRE or SPA 131	3	
FRE 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	
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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 MAJOR³**

PSY 237	3	
PSY 239	3	
TOTAL	6	
TOTAL ELECTIVES, OR A MINOR	3	
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	122	

¹ Credits for Math LS requirements are counted in Mathematics Education Major Core Course Section.

² Not taken by Mathematics Education majors. Replaced by required physics courses. Credits counted in the major core area.

³ Psychology (PSY) 131 is a prerequisite for both PSY 237 and 239.

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 Students		
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	2	
MTH	0 ¹	
MTH	0 ¹	
FRE or SPA 131	3	
FRE 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

*Learning Across the Curriculum courses are designated "W" in course schedules.

Student Progress Checklist		
Liberal Studies Students		
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	
FRE or SPA 131	3	

FRE or SPA 132	3	
PED	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	42
General Education Courses	45
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

*Learning Across the Curriculum courses are designated "W" in course schedules.

Student Progress Checklist		
Liberal Studies Students		
Course	Credit Hours	✓
ORT 111	1	
ORT 112	1	
ENG 131	3	
ENG 132	3	
LS 130	3	
LS 135	3	
LS 235	3	
COM 130	3	
CSC 131	3	
HED 121	2	
MTH	3	
MTH	3	
FRE or SPA 131	3	
FRE or SPA 132	3	
PED	2	
HUM GROUP	3	
ENG 232	3	
TOTAL	45	

LS 238	3	
LS 239	3	
HIS 135	3	
HIS 136	3	
HIS 338	3	
HIS 339	3	
HIS 391	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	44
General Education Courses	52
Other Required Courses	12
Total Electives, or a Minor	17
Total Hours to Complete Degree	125
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

*Learning Across the Curriculum courses are designated "W" in course schedules.

POLITICAL SCIENCE

Student Progress Checklist		
Liberal Studies Students		
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	
FRE or SPA 131	3	
FRE or SPA 132	3	
PED	3	
HUM GROUP	3	
ENG 232	3	
TOTAL	52	

POL 131	3	
POL 330	3	
POL 332	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	
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	39	
General Education Courses	55	
Other Required Courses	0	
Total Electives, or a Minor	37	
Total Hours to Complete Degree	131	
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 Students		
Course	Credit Hours	✓
ORT 111	1	
ORT 112	1	
ENG 131	3	
ENG 132	3	
LS 130	3	
BIO 142 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	2	
MTH	3	
MTH	3	
FRE or SPA 131	3	
FRE or SPA 132	3	
HUM GROUP	3	
ENG 232	3	
TOTAL	52	

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	39	
General Education Courses	52	
Other Required Courses	0	
Total Electives, or a Minor	37	
Total Hours to Complete Degree	128	
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 Students		
Course	Credit Hours	✓
ORT 111	1	
ORT 112	1	
ENG 131	3	

ENG 132	3	
LS 130	3	
BIO 142 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	2	
MTH	3	
MTH	3	
FRE or SPA 131	3	
FRE 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	39	
General Education Courses	52	
Other Required Courses	0	
Total Electives, or a Minor	37	
Total Hours to Complete Degree	131	
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 Students		
Course	Credit Hours	✓
ORT 111	1	
ORT 112	1	
ENG 131	3	
ENG 132	3	
LS 130	3	
BIO 142 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	2	
MTH	3	
MTH	3	
FRE or SPA 131	3	
FRE 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	39	
General Education Courses	52	
Other Required Courses	0	
Total Electives, or a Minor	37	
Total Hours to Complete Degree	131	
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 Students		
Course	Credit Hours	✓
ORT 111	1	
ORT 112	1	
ENG 131	3	
ENG 132	3	
LS 130	3	

BIO 142 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	2	
MTH	3	
MTH	3	
FRE or SPA 131	3	
FRE 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	

SOCIAL SCIENCE

GENERAL SOCIAL SCIENCE CONCENTRATION

Curriculum Requirements	
	Liberal Studies Program
Major Courses Social Science Concentration	42

General Education Courses	45
Other Required Courses	15
Total Electives, or a Minor	20
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

*Learning Across the Curriculum courses are designated "W" in course schedules.

Student Progress Checklist		
Liberal Studies Students-Social Science Concentration		
Course	Credit Hours	✓
ORT 111	1	
ORT 112	1	
ENG 131	3	
ENG 132	3	
LS 130	3	
LS 135	3	
LS 235	3	
COM 130	3	
CSC 131	3	
HED 121	2	
MTH	3	
MTH	3	
FRE or SPA 131	3	
FRE or SPA 132	3	
PED	2	
HUM GROUP	3	
ENG 232	3	
TOTAL	45	

ECO 231	3	
LS 238	3	
LS 239	3	
POL 131	3	
SOC 131	3	

Primary Area Course	3	
Primary Area Course	3	
Primary Area Course	3	
Primary Area Course	3	
Primary Area Course	3	
Primary Area Course	3	
Primary Area Course	3	
Secondary Area Course	3	
Secondary Area Course	3	
Secondary Area Course	3	
Secondary Area Course	3	
Secondary Area Course	3	
Secondary Area Course	3	
Secondary Area Course	3	
TOTAL ELECTIVES, OR MINOR	14	
TOTAL HOURS FOR LIBERAL STUDIES STUDENT	122	

SOCIAL SCIENCE

SOCIAL STUDIES EDUCATION CONCENTRATION

Curriculum Requirements	
	Liberal Studies Program
Social Studies Education Concentration Major Courses	72
General Education Courses	45
Other Required Courses	
Total Electives, or a Minor	6
Total Hours to Complete Degree	123
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

*Learning Across the Curriculum courses are designated “W” in course schedules.

Student Progress Checklist		
Liberal Studies Students—Social Studies Education Concentration		
Course	Credit Hours	✓
ORT 111	1	
ORT 112	1	
ENG 131	3	
ENG 132	3	
LS 130	3	
LS 135	3	
LS 235	3	
COM 130	3	
CSC 131	3	
HED 121	2	
MTH	3	
MTH	3	
FRE or SPA 131	3	
FRE or SPA 132	3	
PED	2	
HUM GROUP	3	
ENG 232	3	
TOTAL	45	

ECO 231	3	
GEO 131	3	
LS 238	3	
LS 239	3	
HIS 135	3	
HIS 136	3	
HIS 231	3	
HIS 391	3	
HIS 491	3	
POL 131	3	
PSY 131	3	
SOC 131	3	
SOC 133	3	
EDU 230	3	
EDU 296	3	
EDU 312	3	
EDU 431	3	

EDU 435	3	
EDU 492	12	
PSY 237	3	
PSY 239	3	
SSC 336	3	
Social Science Elective	3	
TOTAL ELECTIVES, OR A MINOR	6	
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	126	

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

* Learning Across the Curriculum courses are designated "W" in course schedules.

Student Progress Checklist		
Liberal Studies Students		
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	
FRE or SPA 131	3	
FRE or SPA 132	3	
PED	2	
HUM Group	3	
ENG 232	3	
TOTAL	48	

ECO 231	3	
SOC 131	3	
BIO 142	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 Students		
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	
FRE or SPA 131	3	

FRE or SPA 132	3	
PED	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 334	3	
COM 335 or COM 430	3	
COM 431 or COM 432	3	
DRA, ART, MKT, MGT	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	30
General Education Courses	51
Other Required Courses	36
Total Electives or a Minor	6
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 Students		
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	
FRE or SPA 131	3	
FRE or SPA 132	3	
PED	2	
HUM GROUP	3	
ENG 232	3	
TOTAL	51	

CONCENTRATION IN MUSIC BUSINESS

Student Progress Checklist		
MUS 143	4	
MUS 144	4	
MUS 337	3	
MUS 338	3	
MUS 429	4	
MUS 439	3	
MUS 331	3	
MUS 332	3	
MUS (Ensemble)	7	
MUS 113-214	4	
MUS (Major Instrument)	4	
ACC 235	3	

BUS 233	3	
ECO 231	3	
BUS 330	3	
BUS 335	3	
MGT 333	3	
MKT 331	3	
TEL 332	3	
TOTAL ELECTIVES	6	
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	123	

CONCENTRATION IN MUSIC PERFORMANCE

Curriculum Requirements		
	Liberal Studies Program	
Music Performance Major Courses	12-15	
General Education Courses	51	
Other Required Courses	43	
Total Electives or a Minor	13-16	
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 Students		
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	
FRE or SPA 131	3	
FRE or SPA 132	3	
PED	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 326, 327, or 328	2	
MUS 321, 324, or 329	2	
MUS 337	3	
MUS 338	3	
MUS 424, 428, or 522	2	
MUS 429	4	
MUS 439	3	
MUS 510	1	
MUS 511	1	
MUS (Ensemble)	7	
MUS 113-214	4	
MUS (Major Instrument)	8	
TOTAL ELECTIVES OR A MINOR	13-16	
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	122	

CONCENTRATION IN SACRED MUSIC

Curriculum Requirements	
	Liberal Studies Program
Sacred Music Major Courses	31
General Education Courses	51
Other Required Courses	36

Total Electives or a Minor	8	
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 Students		
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	
FRE or SPA 131	3	
FRE or SPA 132	3	
PED	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	4	

MUS 439	3	
MUS 322	2	
MUS 325	2	
MUS 332	3	
MUS 333	3	
MUS 334	3	
MUS 433 or 434*	3	
MUS (Ensemble)	7	
MUS 113-214	4	
MUS (Major Instrument)	8	
MGT 333	3	
TOTAL ELECTIVES OR A MINOR	8	
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	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 Students		
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	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	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 Students		
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	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 Students		
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	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 Students		
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	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 Students		
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	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	2	
VPT 433	2	

VPT 434	3	
VPT 435 or VPT	3	
CONCENTRATION TOTAL	18	
TOTAL ELECTIVES OR A MINOR	32	
TOTAL HOURS FOR LIBERAL STUDIES STUDENTS	122	



QUICK REFERENCE DIRECTORY

General Information

(704) 378-1000

Office of the President

(704) 378-1007

Council of the Deans

(704) 378-1015

Vice President for Financial Affairs

(704) 378-1087

Vice President for Institutional Advancement (Development)

(704) 378-1020

Vice President for Enrollment Services and Student Success

(704) 378-1040

Dean of Academic Support Services

(704) 378-1270

Director of Admissions

(704) 378-1010

Director of Alumni Affairs

(704) 378-1119

Director of Career Services

(704) 378-1045

Director of Financial Aid

(704) 378-1035

Director of Public Relations

(704) 378-1032

Director of Residence Life

(704) 378-1099

Director of Student Activities

(704) 378-1046

Director of Athletics

(704) 378-1205

Student Health Center

(704) 378-1075

Director, University Library

(704) 371-6740

University Bookstore

(704) 378-1048

University Registrar

(704) 378-1013

Campus Police

(704) 378-1003

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2010-2011**

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Eastern Director - Wealth Brokerage Services
WELLS FARGO ADVISORS
Charlotte, NC

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President – US Region/Vice President Operations – North America
DUPONT OPERATIONS & ENGINEERING
Wilmington, DE

Trustee Cornell L. Moore

Partner
DORSEY & WHITNEY L.L.P.
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Chief Executive Officer
CHARLOTTE REGIONAL VISITORS AUTHORITY
Charlotte, NC

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Cornelius, NC

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MARYLAND GENERAL ASSEMBLY
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Commissioner
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UNC CHARLOTTE
Charlotte, NC

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Morganton, NC

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Nashville, Tennessee

Mr. Pettis Norman
Dallas, TX

Dr. Douglas M. Orr, Jr.
Black Mountain, NC

Dr. Clarence W. R. Wade
Washington, DC

OFFICES OF ADMINISTRATION 2009-2010

THE PRESIDENT'S OFFICE

Ronald L. Carter, B.A., M.Th., Ph.D.	President
Rixon Campbell, N.S., M.S.	Executive Assistant to the President for Administration

Special Assistants to the President

Corey Cartwright, B.A., JD	Office of Judicial Affairs
Malcolm Graham, B.S.	Government and Community Relations
Sherrill Hampton, B.S., JD	Applied Leadership and Community Development

Athletics

Steven Joyner, B.S., M.Ed.	Director
----------------------------	----------

Human Resources

Latrelle McAllister, B.S., M.B.A.	Director
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Liberal Education, Integrated and International Studies

Adelheid Eubanks, M.A., Ph.D.	Director
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Sponsored Programs and Research/Title III

Diane Bowles, B.S., M.Ed., Ph.D.	Assistant Vice President Director of Title III
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COUNCIL OF DEANS

Magdy F. Attia, B.S., M.S., Ph.D.	Chair
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Academic Support Services

David Eubanks, B.A., M.S., Ph.D.	Dean
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Information Technology

John Norris, B.S., M.S.	Director
Darius Griffin, II, B.S.	User Support Manager
Gwendolyn Pickett, B.S.	Operations Manager

Institutional Planning, Assessment, Effectiveness and Research

Kelli Rainey, B.A., M.A.	Director
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Library

Monika Rhue, B.A., M.L.I.S.	Director of Library Services
Brenda Almeyda, B.A., M.L.I.S.	Information Literacy & Reference Librarian
Michelle Orr, B.A., M.L.I.S.	Collection Development & Digitization Librarian
Geneen Clinkscales, B.S., M.L.I.S.	Educational Technology Librarian
Brandon Lunsford, B.A., M.A.	Serials and Electronic Resources Librarian
Andrea Hylton, B.S., M.L.I.S.	Information Services Librarian
Beth Martin, B.A., M.A., M.L.I.S.	Instructional Services Librarian

College of Arts and Letters

Donald Mager, B.A., M.A., Ph.D.	Dean
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College of Professional Studies

Helen Taylor Caldwell, B.S., M.S.W., Ph.D.	Dean
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College of Science, Technology, Engineering, and Mathematics

Magdy F. Attia, B.S., M.S., Ph.D.	Dean
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Metropolitan College

Zenobia Edwards, B.S., M.Ed., Ed.D	Dean
Cathy Hurd, B.S., M.S	Associate Dean

Academic Center for Excellence

Stacey Sandeford-Lyons, B.A., M.S.	Director
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Honors Program

LaKeisha Legette, B.S., M.S., Ph.D.	Coordinator
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ENROLLMENT SERVICES AND STUDENT SUCCESS

Lisa Montgomery, B.A., M.S., Ph.D.	Vice President
Cathy Jones, B.A., M.Ed.	Dean of Student Development
George G. Harris, B.S., M.Div.	Dean of Enrollment Services

Admissions

Kevin Williams, B.A., M.B.A., Ph.D.	Director
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Counseling and Testing

LaSonya Brown, B.A., M.Ed. Director

Financial Aid

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Health Center

Marian Jones, B.S., LPN Coordinator

Registrar

Keisha Wilson, B.S., M.B.A. University Registrar

Residence Life

Terry McPherson, B.A., M.B.A. Coordinator of Housing Services
and Business Operations

Retention

Lisa Durham, B.A., M.A. Coordinator

Student Activities

Charles Amerson, B.M., M.A. Director

Student Support Services

James Saunders, B.A., M.P.A. Director

Laura McLean, B.A., M.Ed. Assistant Director/
Tutorial Coordinator

James O. Cuthbertson, B.A., M.A. Disabilities Services Coordinator

Upward Bound Programs

Magdalyn J. Lowe, B.A., M.S. Director

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Gerald Hector, B.B.A. Vice President for Business and Finance

James King, B.S., M.S. Assitant Vice President/Controller

Accounting

Tolshea Adams, B.S., M.S. Manager

Bookstore

Robin Sorenson, B.A. Manager

Campus Police

Gregory Harris, B.A., M.P.A.

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Motor Pool

Quentarus Brown, B.A.

Coordinator

Post Office

Christine Taylor

Coordinator

Purchasing and Receiving

Joseph Majors, B.A.

Manager

Risk Management

Debra Hollis, B.S.

Manager

Student Accounts

Robert King, A.S., B.S.

Manager

INSTITUTIONAL ADVANCEMENT

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Vice President for Institutional Advancement

Keith Holcomb, B.A.

Institutional Advancement Coordinator

Alumni Affairs

Ron Matthews, B.S.

Director

Career Services

Barbara Wilks, B.S.

Director

Corporate Relations

Torrey Feimster, B.A.

Director

Development

Karen Lawler, B.A.

Director

Foundations/Private Grants

Evelyn Leathers, B.A., M.S.

Director

Calvin Banks, B.S.

Grants Research Manager

Public Relations

LaVondra Farquharson, B.A., M.A.

Assistant Director

Print Shop

Yancy Parker, B.A.

Coordinator

Sports Information

Lamont Hinson, B.A., M.B.A., M.S.

Director



**JOHNSON C. SMITH UNIVERSITY
PRESIDENTS EMERITI**

Dr. Robert L. Albright, President Emeritus	1994
Dr. Dorothy Cowser Yancy, President Emeritus	2008

**JOHNSON C. SMITH UNIVERSITY
PRESIDENTS OF THE UNIVERSITY**

Dr. Stephen Mattoon	1870-1884
Dr. William A. Holliday	1884-1885
Dr. William F. Johnson	1886-1891
Dr. Daniel Jackson Sanders	1891-1907
Dr. Henry Lawrence McCrorey	1907-1947
Dr. Hardy Liston, Sr.	1947-1956
Dr. James Ward Seabrook (Interim President)	1956-1957
Dr. Rufus Patterson Perry	1957-1968
Dr. Lionel H. Newsom	1969-1972
Dr. Wilbert Greenfield	1973-1982
Mr. Mack Davidson (Interim President)	1982-1983
Dr. Robert L. Albright	1983-1994
Dr. Maxine Funderburk Moore (Interim President)	June 1990 - Sept. 1990
Dr. Dorothy Cowser Yancy (Interim President)	Mar. 1994 - Oct. 1994
Dr. Dorothy Cowser Yancy	1994 - 2008
Dr. Ronald L. Carter	2008 - Present

FACULTY 2010-2011

RONALD L. CARTER.....PRESIDENT
Professor of Religion

B.A., 1971, Morehouse College
M.Th., 1974, Boston University
Ph.D., 1985, Boston University

Gerald Y. Agbegha (1992)Associate Professor of Mathematics and Physics
Department of Natural Sciences and Mathematics

B.S., 1979, University of Benin, Benin City, Nigeria
M.S., 1983, Syracuse University
M.S., 1984, Case Western Reserve University
Ph.D., 1992, Case Western Reserve University

Haseeb J. Ahmed (1999)Acting Chair
Department of Business Administration and Economics

B.S.M.E., 1985, University of Texas at Arlington
M.B.A., 1988, Jacksonville State University
Ph.D., 1998, University of Mississippi

Awatif Amin (2001)Instructor of Computer Science and Engineering
Department of Computer Science and Engineering

B.S., 1995, Clark Atlanta University
M.S., 1995, Clark Atlanta University

Shirley G. Anderson (1973)Associate Professor of Psychology/Education
Department of Social and Behavioral Sciences

B.A., 1966, Alma College
M.Ed., 1970, UNC - Chapel Hill
Ph.D., 1972, UNC - Chapel Hill

Michael Aradas (2007)Assistant Professor of History
Department of Social and Behavioral Sciences

B.A., 1992, Northeastern Illinois University
M.A., 1994, Purdue University
Ph.D., 2001, Purdue University

Magdy Fahim Attia (1990)Chair, Council of Deans
Dean, College of Science, Technology, Engineering and Mathematics (STEM)
James B. Duke Distinguished Professor
of Computer Science and Engineering
Associate Professor of Computer Science and Engineering
Department of Computer Science and Engineering

B.S., 1968, Ain Shams University, Egypt
M.S., 1974, Ain Shams University, Egypt
Ph.D., 1980, Moscow State University, Moscow, USSR

Ying Bai (2001)Associate Professor of Computer Science
Department of Computer Science and Engineering

- B., 1983, Tsinghua University, China
 M., 1987, Beijing Institute of Technology, China
 Ph.D., 2000, Florida Atlantic University
- Deborah Bailey (2001)Acting Chair, Department of Education
 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
- 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
- Nicola D. Bivens (2008).....Assistant Professor of Criminology
 Department of Social and Behavioral Sciences
- B.S., 1991, South Carolina State University
 M.S., 1997, University of North Carolina-Charlotte
 Ed.D., 2005, Nova Southeastern University
- Valerie Black (2010)Visiting Instructor of Communication Arts
 Department of Visual, Performing and Communication Arts
- B.A., 2002, Hampton University
 M.A., 2008, Webster University
- Anita Bledsoe-Gardner (2009).....Assistant Professor of Criminology
 Department of Social and Behavioral Sciences
- B.S., 1995, Mississippi State University
 M.S., 1996, Mississippi State University
 Ph.D., 2002, Berne University
- 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
- 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
- Helen T. Caldwell (1993) Dean, College of Professional Studies
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
- Lijuan Cao (2009) Assistant Professor of Computer Science
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
- Timothy Champion (1988) Chair, Department of Natural Sciences
and Mathematics
Associate Professor of Chemistry
Department of Natural Sciences & Mathematics
- B.S., 1983, UNC - Chapel Hill
D.A., 1993, Univ. of Northern Colorado
- Hang Chen (2004) Chair, Department of Computer Science and Engineering
Assistant Professor of Computer Science
Department of Computer Science and Engineering
- B.S., 2000, Zhejiang University, China
Ph.D., 2004, University of Cincinnati
- 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
Department of Visual, Performing and Communication Arts
- B.A., 1993, Agnes Scott College
M.A., 1995, New York University
- 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
- Carol Davenport (2008) Assistant Professor of English
Department of Languages and Literature
- B.A., 1992, Norfolk State University
M.A., 1994, Old Dominion University
Ph.D., 2000, Pennsylvania State University
- Stacie Davis (2007) Assistant Professor of Chemistry
Department of Natural Sciences & Mathematics
- B.S., 1990, Howard University
Ph.D., 1997, University of North Carolina-Chapel Hill

- Matthew DeForrest (2004).....Associate Professor of English
Department of Languages and Literature
B.A., 1990, Boston University
M.A., 1991, University College, Dublin, Ireland
Ph.D., 1996, Boston University
- N.V. Desai (1969) Associate Professor of Economics
Department of Business Administration and Economics
B.A., 1963, Sardar Patel University
M.A., 1965, Maharaja Sayajirao
M.E., 1969, North Carolina State University
Ph.D., 1994, Kurukshetra, India
- Carole Drew (1990)Assistant Professor of Philosophy
Department of Interdisciplinary Studies, Philosophy, and Religion
Honors College Core Faculty
B.S., 1977, University of West Florida
M.A., 1979, Antioch College
Ph.D., 1988, Florida State University
- Wanda K. W. Ebright (2009) Chair, Department of Visual, Performing and
Communication Arts
Associate Professor of Dance
Department of Visual, Performing and Communication Arts
B.A., 1992, Memphis State University
M.F.A., 1995, Florida State University
- Zenobia C. Edwards (2009)Dean, Metropolitan College
Department of Education
B.S., 1990, Wofford College
M.A.T., 1992, Converse College
Ed.S., 1994, Converse College
Ed.D., 2003, Nova Southeastern University
- Amos H. Etukudoh (1993) Assistant Professor of Foreign Languages
Department of Languages and Literature
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
Professor of Foreign Languages
Department of Languages and Literature
M.A., 1987, Washington University
Ph.D., 1994, Washington University
- David Eubanks (2009) Dean, Academic Support Services
Professor of Mathematics
Department of Natural Sciences & Mathematics
B.A., 1984, Southern Illinois University
M.S., 1986, Southern Illinois University
Ph.D., 1991, Southern Illinois University

- Ahmed Faik (2001)Assistant Professor of
Computer Science and Engineering
Department of Computer Science and Engineering
B.Sc., 1979, Sussex University, England
Ph.D., 1984, Sussex University, England
- Joseph Fail (1989)Associate Professor of Biology
Department of Natural Sciences & Mathematics
B.S., 1967, Troy State College
M.S., 1976, University of Alabama
Ph.D., 1983, University of Georgia
- 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
- Jeffrey Ford (1990)Assistant Professor of Education
Department of Education
B.A., 1972, Furman University
M.Ed., 1975, University of Oklahoma
Ed.D., 1982, University of Georgia
- Linette Fox (1987) Assistant Professor of Management
Department of Business Administration and Economics
B.A., 1971, Bennett College
M.B.A., 1979, UNC - Greensboro
Ph.D., 1997, The Union Institute
- Bessie Gage (1977) Chair, Department of Education
Associate Professor of Education
Department of Education
B.S., 1973, South Carolina State College
M.A., 1977, Atlanta University
Ph.D., 1989, Southern Illinois University
- Indhumathi Gopal (1986).....Assistant Professor of Physical Education
Department of Health and Human Performance
B.S. (1968) University of Madras
M.S. (1971) University of Michigan - Ann Arbor
Ph.D. (1997) UNC - Greensboro
- Ruth L. Greene (1979)..... Professor of Psychology
O'Herron Distinguished Professor
Department of Social and Behavioral Sciences
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
- Nailong Guo (2006).....Assistant Professor of Mathematics
 Department of Natural Sciences & Mathematics
 M.S., 2004, University of North Carolina-Charlotte
 Ph.D., 2006, University of North Carolina-Charlotte
- 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
- Sonja Harry (2007)Acting Chair
 Assistant Professor of Social Work
 Department of Social Work
 B.A., 1983, University of Southwestern Louisiana-Louisiana
 M.S.W., 1987, Southern University at New Orleans-Louisiana
 Ph.D., 2006, Southern University and A&M College-Louisiana
- 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
- Michelle W. Horton (2009).....Instructor of Marketing
 Department of Business Administration and Economics
 B.A., 1995, University of North Carolina-Chapel Hill
 M.B.A., 2002, Babcock Graduate School of Management
 of Wake Forest University
- Herman Howard (2001)Instructor of Digital Audio
 Department of Visual, Performing and Communication Arts
 B.S., 1992, Indiana State University
 M.A., 1996, Central Michigan University
- Brian Hunt (2007) Math Lab Coordinator
 Assistant Professor of Mathematics
 Department of Natural Sciences & Mathematics
 B.A., 1995, State University of New York
 M.S., 1998, Clemson University
 Ph.D., 2004, Clemson University
- Jonathan Hutchins (2010) Visiting Assistant Professor of History
 Department of Social and Behavioral Sciences
 B.S., 2002, Florida A & M University
 M.A.S.S., 2003, Florida A & M University

- Glenn Hutchinson (2008) Assistant Professor of English
 Department of Languages and Literature
 B.A., 1995, University of North Carolina-Charlotte
 M.A., 1996, University of North Carolina-Charlotte
 Ph.D., 2002, University of North Carolina-Greensboro
- Soumia Ichoua (2006) Assistant Professor of Computer Science
 Department of Computer Science and Engineering
 B.S., 1991, University Mohammed V, Rabat, Morocco
 M.Sc., 1995, University of Montreal, Canada
 Ph.D., 2001, University of Montreal, Canada
- Dezette Johnson (2003) Chair, Department of Social Work
 Assistant Professor of Social Work
 Department of Social Work
 B.S.W., 1987, East Carolina University
 M.S.W., 1990, Norfolk State University
 Ph.D., 2006, Norfolk State University
- Ojay O. Johnson (2005) Assistant Professor of English
 Department of Languages and Literature
 B.A., 1997, Johnson C. Smith University
 Ph.D. Candidate, Wayne 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
- Joseph Jones (2009) Assistant Professor of Political Science
 Department of Social and Behavioral Sciences
 B.A., 2000, Philander Smith College
 M.A., 2006, Clark Atlanta University
 Ph.D., 2009, Clark Atlanta 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 Distinguish Professor
 Department of Visual, 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
- Susan Lawson (2010) Instructor of English
 Department of Languages and Literature
 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
- Lorne Lee (2009) Director of Bands
 Assistant Professor of Music
 Department of Visual, Performing and Communication Arts
 B.A., 2002, University of Central Oklahoma
 M.M., 2004, Howard University
- LaKeshia R. Legette (2008)Honors Coordinator
 Assistant Professor of Mathematics
 Department of Natural Sciences & Mathematics
 B.S., 2003, Columbia College
 M.S., 2005, Howard University
 Ph.D., 2008, Howard University
- 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
- 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
- Donald Mager (1986)Dean, College of Arts and Letters
Professor of English
Department of Languages and Literature
- B.A., 1964, Drake University
M.A., 1966, Syracuse University
Ph.D., 1986, Wayne State University
- 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
- DaKysa 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
- Maxine F. Moore (1965) Associate Professor of English
Mott University Professor
Department of Languages and Literature
- B.A., 1965, Johnson C. Smith University
M.A., 1969, UNC - Chapel Hill
Ph.D., 1983, Emory 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

- 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 S. Richardson (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
- Henry F. Russell (1979) Professor of Chemistry
 Department of Natural Sciences & Mathematics
 B.S., 1963, University of Delaware
 M.S., 1965, University of Delaware
 Ph.D., 1973, University of Virginia
- 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
- Linda Samuel (2009) Assistant Professor of Social Work
 Department of Social Work

- B.S., 1983, South Carolina State University
 M.S.W., 1990, University of South Carolina
 Ph.D., 2007, Clark Atlanta University
- Michael G. Schumacher (2009).....Associate Professor of Accounting
 Department of Business Administration and Economics
 B.S., 1971, University of Albuquerque, New Mexico
 M.B.A., 1976, University of California
 Ph.D., 2003, University of Mississippi
- Alfred R. Smith (1998).....Assistant Professor of Management
 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
- 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
- Bruce A. Thompson (1988)..... Director of Choral Activities
 Assistant Professor of Music
 Department of Visual, Performing and Communication Arts
 B.M.A., 1983, Stillman College
 M.M., 1985, Western Illinois University
- Gregory T. Thompson (2000).....Associate Professor of Music
 Department of Visual, Performing and Communication Arts
 B.A., 1976, Piano, Limestone College
 M.M., 1978, Piano, Peabody Conservatory of Music
 Ph.D., 2000, Musical Arts, Piano, University of South Carolina
- Joseph W. Turner (1976)Chair, Department of Languages and Literature
 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
- 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
- Leatrice Williams (2010) Visiting Instructor of Political Science
 Department of Social and Behavioral Sciences
 B.A., 2001, Johnson C. Smith University
 M.P.A., 2004, National 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

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 Enrollment Services and Student Success 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 Enrollment Services and Student Success 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	<ul style="list-style-type: none"> • 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	<p>Founded and chartered as Biddle Memorial Institute in 1867.</p> <p>Renamed Johnson C. Smith University in 1923. Women first admitted in 1932.</p> <p>Joined the United Negro College Fund in 1944.</p> <p>Completed the historic "Vision Shared" \$63.8 million dollar capital campaign drive in 1998.</p> <p>Completed the historic "Pathways to Success" \$75 million campaign drive in 2007</p>
Faculty	<p>103 instructional full-time faculty</p> <p>Student/faculty ratio 14:1</p> <p>77% of faculty hold doctorates and terminal degrees</p>
Accreditation	<p>Southern Association of Colleges and Schools (SACS)</p> <p>National Council for the Accreditation of Teacher Education (NCATE)</p> <p>Association of Collegiate Business Schools and Programs (ACBSP)</p> <p>Council on Social Work Accreditation (CSWE)</p>
Budget	\$33,124,740
Endowment	<p>\$34.7 million</p> <p>Beneficiary of the Duke Endowment Indenture, 1924</p>
Cost	<p>Tuition and Fees \$21,886.00</p> <p>(Does not include optional room and board charges or part-time/excess charges)</p>
Academic Programs	<p>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, Mathematics, Mathematics Education, Music Business and Technology, Liberal Studies, Physical Education, Political Science, Psychology, Sacred Music, Social Science, Social Work, Spanish</p>
Special Opportunities	<p>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.</p>

Special Recognition

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: 1,538

Part-time enrollment: 33

Total: 1,571

Student Profile

25% North Carolina Residents

12% South Carolina Residents

63% Other States

60% Female

40% Male

Technology

Each student receives an IBM 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 2010

BACHELOR OF ARTS

SUMMA CUM LAUDE

Alexander, Rasheedah	Charlotte, NC
Davis, Alexzenia Louise	Brooklyn, NY
Gentry, Michael Lawrence	Roxboro, NC
Harrington, Britney Elizabeth	Charlotte, NC
Hutcherson, Aaron M.	Cincinnati, OH
Smallwood, Nakera Jessica.....	Brooklyn, NY
Stuckey Jason Randall	Cincinnati, OH
Williams Devo'n LeSalle.....	Shaker Heights, OH

MAGNA CUM LAUDE

Caldwell, Shaun Kristopher.....	Rochester, NY
Jones, Danielle Meredith	Dorchester, MA
Lawrence, Antonio Martin Kenyatto	Rocky Mount, NC
Randolph Lindsay Nora	Newburgh, NY
Robinson, Brittany Jolee.....	Orangeburg, SC
Wallace, Tyleia Rashad	Belvoir, VA
Watts, Ariel Danyette	Columbia, SC
Williams, Albert Nemiah.....	Charlotte, NC

CUM LAUDE

Amaker, Ewuniki Ayana	Ridgeville, SC
Bellony, Ashley S.	Roselle, NJ
Brown, Carl C.....	Concord, NC
Canada, Sharonica Shante'	Pleasantville, NJ
Carmichael, Valeria Passion	Crawfordville, GA
Childress, Crystal Monique.....	Oxon Hill, MD
Clark, Lael Kasher	Saint Louis, MO
Collier, Roshena Lynnette	Orangeburg, SC
Cooper-Jenkins, Deidra Camille.....	Los Angeles, CA
Corpening, Jennifer Lauren	Richmond, VA
Drayton, Marian Callinia	Seaford, DE
Drummer, Dante' Ashif.....	Norfolk, VA
Ellis, Charmaine Latrice	Dale City, VA
Ellis, Vivian Denise	Dale City, VA
Fisher, Briana Dominique	Oakland, CA
Fofanah, Yenkie Nabus	Alexandria, VA

Gibson, Geraldine Melissa.....	Winston-Salem, NC
Glenn, Caprice Lynell	Winston-Salem, NC
Goldsberry, Egeria Henritta.....	Columbia, SC
Harper, Quintessa Renee	Portsmouth, VA
Harrison, Brooke Aurice.....	Hartford, CT
Harvey, Shawnte Pearl.....	Sacramento, CA
Hodges, Ashley Denise.....	White Plains, MD
Holloway, Martia' Samyel.....	Newport News, VA
Keenon, Tiffany Michelle.....	Washington, DC
Lawrence, Lanette Evelyn.....	Charlotte, NC
Manley, Melissa Shontae	Dorchester, MA
Mobley, Brian Keith	Charlotte, NC
Moore, Czarina Geneva.....	Greensboro, NC
Mozee, Nikia Alesse.....	Ft. Washington, MD
Phillips, Jordan Lee	Middletown, OH
Pleasants, Asia Tiara	Ruther Glen, VA
Ridenhour, Kendall Monique.....	Albemarle, NC
Roberts, Raheem L.....	Pleasantville, NJ
Rogers, Ebony Nicole	Temple Hills, MD
Sawyers, Raechelle Renay	Harrisburg, PA
Simmons, Shavon C.....	Washington, DC
Smith, Rashad Jermaine	Rochester, NY
Southerland, Ebony R.....	Snellville, GA
Spearman, Amy Alexis.....	Philadelphia, PA
Thomas, Caren Kristine.....	Hackensack, NJ
Van Poole, Phylicia Quintana.....	Charlotte, NC
Williams, Andrea Renee'	Charlotte, NC
Williams, Morrgan J.....	Buffalo, NY
Williams, Yolanda Carolyn.....	Charlotte, NC

BACHELOR OF ARTS

Andrews, Brittany L.....	Ft. Washington, MD
Babb, Otealya Tenise	Lithonia, GA
Baker, Khalilah Sheree.....	Charlotte, NC
Barnes, Darace Clay	Rocky Mount, NC
Barnes, Tyler Breakley	East Orange, NJ
Burch, Justin Louis.....	Newark, NJ
Butler, Freddie.....	Temple Hills, MD
Cato, Sabrina Charmaine	Lanham, MD
Coleman, William k.....	Charlotte, NC
Davis, Kiara C.....	Mableton, GA
English, Nanielle Iman.....	Charlotte, NC
Ferguson, Danielle Maxine.....	Bronx, NY
Gilbert, Courtney Alexandria.....	Sumter, SC
Greene, Melody Nicole	Charlotte, NC
Harvin, Amire Lily.....	Virginia Beach, VA
Hawkins, Ashley Danielle.....	Winston-Salem, NC
Henderson, Rashondae LaNise.....	Caruthersville, MO

Higgins, Tremayne Franklin Delano	Rochester, NY
Holston, Chantel DeAudra	Washington, DC
Hood, Chemira Demesha'	Charlotte, NC
Jackson, Shana Nicole	Lorton, VA
Johnson, Tiffany Margaret	Charlotte, NC
Kavanaugh, Bailey Patrice	Alexandria, VA
Keyes, Jana Lynn	MT Holly, NC
Kirven, Marco LaDunn	Ft. Worth, TX
Mattocks, Larry Paul	Charlotte, NC
McRae, China Shadae	Charlotte, NC
Moore, Christina Marie	Charlotte, NC
Morris, Kyle Lamont	Newark, NJ
Mullins, Charity Victoria	Charlotte, NC
Owens, Marsha Renee	Bell Haven, VA
Pauling, Melody Sada	Orangeburg, SC
Peterson, Ryan Keith	Clinton, MD
Proctor, Pierre D'Angelo	Fort Washington, MD
Pugh, Elissa Ann	Charlotte, NC
Quick, John Harold	Fayetteville, NC
Ridenhour, Octoria Bonet	Albemarle, NC
Shepard, Edward Jermaine	Goldsboro, NC
Sullivan, Alexandria Marie	Augusta, GA
Sullivan, Brianna Jenee'	Stone Mountain, GA
Thomas, Ashlee K.	Charlotte, NC
Tynes, Christopher Jarman	Newport News, VA
Walker, Ryan David	Lanham, MD
Walters, Danielle Marie	Rochester, NY
Young, Jonathan Clifford	Charlotte, NC

BACHELOR OF SCIENCE

SUMMA CUM LAUDE

Boston, Nikki LaShae	Vidalia, GA
Hargett, Jae Lauren	Golden Valley, MN
Leonard, Alyssa Michelle	East Orange, NJ
Smiley II, Joseph	Clearwater, FL

MAGNA CUM LAUDE

Graves, Adam Jared	Atlanta, GA
Gray, Jesseca Magdalene	Hudson, NY
Jones, Eric Robert	Cleveland, OH
Mitchell, Cynthia Denise	Washington, DC
Polk, Julien Donald	Charlotte, NC
Reed, Rannidi R.	Fairburn, GA

Shaw, Shontanette Nicole.....Raeford, NC
Wallace, Tyleia Rashad Belvoir, VA

CUM LAUDE

Alexander, R’Ameerah Charlotte, NC
Ashley, Elijah Lamar..... Barnwell, SC
Baldwin, Lorren Alise..... Charlotte, NC
Bell, Demetria Lynne Indianapolis, IN
Boler, Ashlynn S..... Rochester, NY
Boone, Javonte L..... Richmond, VA
Bowman, Brittany C. Mobile, AL
Braddox, Nijah..... Brooklyn, NY
Carter, Divine K..... Washington, DC
Carter II, Artis D’Anthony..... Clinton, MD
Clark, Angelica Denise Rahway, NJ
Clyburn, Alafia..... Charlotte, NC
Cobb, Anthony Derrick Fredericksburg, VA
Cooper, Brandon Joseph..... Jonesboro, GA
Courtney, Robyn Caressa Clinton, MD
Crutcher, Camille Mary Hayward, CA
Darden, Terrell Ramon.....Newport News, VA
Duncan, Rolonda Chenise Tacoma, WA
Dunston, Monique Natasha Virginia Beach, VA
Furel, Raymond M..... Douglasville, GA
Gaino, Melikia Rena’ Washington, DC
Gassaway, Jermaine Demetris Washington, DC
Goldsberry, Egeria Henritta..... Columbia, SC
Hatchett, Derek Alan Silver Springs, MD
Jackson, Vernell Lee..... Wilmington, DE
Jones, Iris Doraele Charles City, VA
Lewis, Justin D..... Buffalo, NY
Lindsey, J’Nai Rakiel Aliquippa, PA
Lloyd, Jason Aaron Charlotte, NC
Nshisso, Ngoie Yedidia..... Huntersville, NC
Peay, Terica Gelisa High Point, NC
Pressley, Kimberly Shanay Philadelphia, PA
Proctor, Ronnetta Deyana Washington, DC
Revis, Chelsie Ma’lon Aliquippa, PA
Robertson, Brittney D..... North Brunswick, NJ
Robinson, Brandi Jeniece Charlotte, NC
Shaw, Tyrone Bernard..... Charleston, SC
Smith, Malcolm Charles..... Charlotte, NC
Smoak, Justin L..... Aston, PA
Taylor, Latisse Nicole..... Charlotte, NC
Thompson, Avis Jayne’ Suitland, MD
Tolbert, John Andre’ Charleston, SC
Tshibangu, Herve Shawn..... Arlington, VA
Washington, Kenneth Tyrell Rochester, NY

Williams, Tierra Aigne Egg Harbor Twntp, NJ
 Wright, Y'nique C.....Portland, OR

BACHELOR OF SCIENCE

Backman, Devin Pierre.....Advance, NC
 Bangura, Marie Alia Philadelphia, PA
 Barnwell, Demetria Nicole North Charleston, SC
 Bates, Robert S.....Hoboken, NJ
 Berry-Wingfield, Kai Ashlee Charlotte, NC
 Black, Jasmine Ann Octavia Chicago, IL
 Booker, Michael Tyrice..... Charlotte, NC
 Brown, Jamaal Antoine..... Columbia, SC
 Brown,Shante' Unique Bloomfield, CT
 Browne, Cordero Goba Sackor New Carrollton, MD
 Burgess, Darius Miami, FL
 Burroughs, Michael Jamar Mitchellville, MD
 Clark, Terrance, James..... Charlotte, NC
 Dixon, George Fulton Cleveland, OH
 Donaldson, Charles Anthony Charlotte, NC
 Doster, Donald..... Huntersville, NC
 Fain, Jonathan Scott New Haven, CT
 Fair, Jaikia Rachelle Toms River, NJ
 Forthan, Edith EvelynPortland, OR
 Francis, Joy Evita..... Washington, DC
 Glasgow, Lauren Ashley..... Washington, DC
 Glover, Charlotte Jaunette Augusta, GA
 Goodwin, Allison Michelle..... Aurora, CO
 Gore, Mareva JaQuay Temple Hills, MD
 Gray, Kirsten DaiJon Washington, DC
 Hart, Ahdiya Naajah Conshohocken, PA
 Hinton, Miles Edward.....Mattapan, MA
 Hough III, Frank Theodore..... Hartsville, SC
 Howes, Dennielle Joyce Cleveland, OH
 Jackson, Ashley Nicole Suitland, MD
 Jackson, Jonathan W..... Chicago, IL
 Johnson, Crystal Elaine Salisbury, NC
 Johnson-Forniss, Danielle Marie Fairburn, GA
 Jones, Dominique Armeda Plainfield, NJ
 Jones, Guy Tory..... Bronx, NY
 King, Kendra S..... Baltimore, MD
 Little, Tavaris Demetris Elgin, SC
 May, Chara L. Windsor, CT
 McFarland, Dwight Anthony Chicago, IL
 Meadows, Anjelecia Danillie Chester, SC
 Miller, Brandon M Philadelphia, PA
 Moore, Kaiiah Meshun..... Charlotte, NC
 Morrison, London Patrice Wheaton, MD

Murray, Yannick Kwame Oxon Hill, MD
 Nick, John R. Huger, SC
 Payton, Marquita Renee Charlotte, NC
 Priest, Shomara Nychole Aliquippa, PA
 Robertson, Matthew Alexander Tucker, GA
 Rose, Marquise Lonnell Charlotte, NC
 Stokes, Adrienne Alexis Ft. Washington, MD
 Summers, Samira Latees Philadelphia, PA
 Young, Kirwan Alvin Somerset, NJ

BACHELOR OF SOCIAL WORK

MAGNA CUM LAUDE

Davis, Natalie Darcel..... Temple Hills, MD

CUM LAUDE

Barge, Phyllis..... Charlotte, NC
 Turner, Paula Ashleigh..... Stone Mountain, GA
 Watson, Avery Anise..... Middletown, CT

BACHELOR OF SOCIAL WORK

Dixon, Taniqua Monique Manning, SC
 Ford, Jennifer Monet' Glenarden, MD



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