2023-2024
University Catalog

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UNIVERSITY CATALOG

Johnson C. Smith University

University Catalog
2022-2023

100 Beatties Ford Road
Charlotte, North Carolina
28216-5398
www.jcsu.edu (http://www.jcsu.edu)

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

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

Johnson C. Smith University is an Equal Opportunity Institution.

Johnson C. Smith University - Charlotte's Premier Independent Urban University

Campus

100-acre campus near uptown Charlotte, North Carolina

Location

- In Mecklenburg County, Southwestern North Carolina
- Approximately 244 miles from Atlanta, Georgia.
- Approximately 355 miles from Washington, D.C.
- Conveniently located near Charlotte-Douglas International Airport
- Easily accessible from Interstates 77 and 85.
- Beaches and mountains are only a few hours away

History

- Founded and chartered as Biddle Memorial Institute in 1867.
- Renamed Johnson C. Smith University in 1923.
- Women first admitted in 1932.
- Joined the United Negro College Fund in 1944.
- Completed the historic “Vision Shared” $63.8 million-dollar capital campaign drive in 1998.
- Completed the historic “Pathways to Success” $75 million campaign drive in 2007

Faculty

- 80 instructional full-time faculty
- Student/faculty ratio 14:1
- 92% of faculty hold doctorates and terminal degrees

Accreditation

- Colleges of the Southern Association of Colleges and Schools (SACSCOC)
- Council on Social Work Accreditation (CSWE)

Budget

- $41,226,515
- Beneficiary of the Duke Endowment Indenture, 1924
- Tuition and Fees $18,236
- (Does not include optional room and board charges or part-time/ excess charges)
- Endowment $68.2 million

Academic Programs

Majors

- Biology and Chemistry Double Major (p. 76)
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- Business Administration Major (p. 91)
- Chemistry Major (p. 78)
- Communication Arts Major (p. 51)
- Computer Engineering (CE) Major (p. 62)
- Computer Science/Information Systems (CS/IS) Major (p. 71)
- Criminology Major (p. 56)
- Cultural Studies Major (p. 56)
- Dance Major (p. 45)
- Economics Major (p. 93)
- English Major (p. 46)
- History Major (p. 58)
- Information Systems Engineering (ISE) Major (p. 72)
- Interdisciplinary Studies Major (p. 59)
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- Mathematics with Pre-Math Finance Concentration Major (p. 74)
- Music Major - Performance Concentration (p. 48)
- Political Science Major (p. 59)
- Psychology Major (p. 79)
- Public Health Major (p. 102)
- Social Work Major (p. 114)
- Spanish Major (p. 49)
- Sport Management Major (p. 103)
- Visual and Performing Arts Major (p. 52)

Special Recognition

2014

HBCU Digest named Johnson C. Smith University Best STEM Program among historically black colleges and universities.

2012

Diverse Issues in Higher Education ranked The College of Science, Technology, Engineering, and Mathematics 18th among all universities

and colleges in the U.S. in graduating African-Americans in computer and information sciences.

2011

Golden Bulls are first-time Pioneer Bowl Champions

JCSU named Top 10 Historically Black Universities Successes by *Huffington Post*

2010

President's Higher Education Community Services Honor Roll 2007-2009

2007-2009

U.S. News & World Report, Best Black Colleges – Ranked #10

2007

The Southern Association of Colleges and Schools Commission on Colleges (SACS) reaffirmed accreditation at Johnson C. Smith University for the next 10 years.

2001-2007

U.S. News & World Report, Best Colleges – Ranked among the Top Tier comprehensive colleges in the South

2005-2006

Black Issues – Top 100 Degree Producers - Ranked in Computer Science

1999-2006

Black Enterprise – Top 50 Best Colleges and Universities for African-Americans (Biannual ranking)

2004

U.S. News & World Report, Best Values – Ranked second among comprehensive colleges in the South

2003

Black Issues – Top 100 Degree Producers - Ranked in Computer Science and English

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

Special Opportunities

JCSU is the first historically black college to become an IBM ThinkPad University. Service learning component combines academics and community service. Extensive career development opportunities abound through co-op programs and internships with over 90 companies.

Technology

Each student receives a device with complete access to a campus-wide network through wireless connectivity. Internet access is provided through electronic data ports in the library, dormitory rooms (one per pillow) and multimedia classrooms.

Accreditation Statements

Johnson C. Smith University is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award baccalaureate and master's degrees. Degree-granting institutions also may offer credentials such as certificates and diplomas at approved degree levels. Questions about the accreditation of Johnson C. Smith University may be directed in writing to the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, GA 30033-4097, by calling (404) 679-4500, or by using information available on SACSCOC's website (www.sacscoc.org (http://www.sacscoc.org/)).

The Bachelor of Social Work Program is accredited by the Council on Social Work Education (https://www.cswe.org/).

The Master of Social Work Program is in initial accreditation by the Council on Social Work Education (https://www.cswe.org/).

Membership Statements

Johnson C. Smith University is a member of the following:

American Association for Collegiate Registrars and Admissions Officers (https://www.aacrao.org/)

American Association for Higher Education (https://www.aahea.org/)

The American Council on Education (https://www.acenet.edu/Pages/default.aspx)

Association of Presbyterian Colleges and Universities (https://www.presbyteriancolleges.org/)

Council for Advancement and Support of Education (https://www.case.org/)

The College Board (https://www.collegeboard.org/)

The Council of Independent Colleges (https://www.cic.edu/Pages/default.aspx)

Council on Social Work Education (https://www.cswe.org/)

National Association of College Admission Counseling (https://www.nacacnet.org/)

National Association of College Deans, Registrars, and Admissions Officers (https://www.nacdrao.org/)

National Association for Equal Opportunities in Higher Education (https://www.nafeonation.org/)

National Association of Independent Colleges and Universities (https://www.naicu.edu/)

National Association of Student Financial Aid Administrators (http://www.nasfaa.org/)

North Carolina Association of Colleges and Universities (https://www.nacacnet.org/)

North Carolina Association of Independent Colleges and Universities (https://ncicu.org/)

Southern Association of Colleges and Schools (https://www.sacscoc.org/)

Southern Association of College Registrars and Admissions Officers (https://www.sacrao.org/)

United Negro College Fund (https://uncf.org/)

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

General Information

JCSU Timeline

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

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

1876: Charlottean Colonel W. R. Myers donated the first eight acres of land for the school. The North Carolina Legislature changed the school charter and the name became Biddle University.

1883: A new building was erected to serve as the main administrative building for the University. Built by former slaves during evening hours by candlelight, it featured recitation rooms and a 600-seat audience chamber. It still stands today as Biddle Memorial Hall and houses the Office of the President.

1892: The first African American intercollegiate football game was played between Biddle University and Livingstone College in December in Salisbury, NC. The Golden Bulls won that first game, which is now an annual tradition called the Commemorative Classic.

1919: Biddle University became the first black college in the South to offer professional courses in education.

1921-1922: Jane Berry Smith, of Pittsburgh, PA, donated funds to build a theological dormitory, science hall, teachers' cottage, and memorial gate, plus provided an endowment for the institution in memory of her late husband, Johnson C. Smith. In recognition of these gifts, the Board of Trustees changed the name of the institution to Johnson C. Smith University.

1924: JCSU was recognized as a four-year college by the North Carolina State Board of Education. The University was further strengthened by a substantial provision from James B. Duke.

1924: James B. Duke established the Duke Endowment, which named JCSU as one of its four beneficiaries in the area of higher education.

1938: JCSU attained the status of an independent college affiliated with the Presbyterian Church, reporting to the NC General Assembly through the Board of Christian Education.

1941: Women were admitted to the freshman class for the first time.

1944: JCSU joined the United Negro College Fund as a founding member.

1965: The Mary Joyce Taylor Crisp Memorial Student Union was built.

1967: JCSU celebrated its 100th anniversary. During this historic centennial occasion, the University examined its past and made innovative plans for the future.

1990: The Robert L. Albright Honors College Center was built to recruit outstanding students who have the academic, social, and service commitments to function as leaders and role models on campus and in their communities.

1994: Dr. Dorothy Cowser Yancy became the first female president of JCSU. The Service Learning Center was established as a model program in the Southern region to instill strong values of service to the community and create a well-balanced education for JCSU graduates.

1996: JCSU received a $1-million gift from Irwin Belk, a prominent Charlotte businessman. At the time, it was the largest gift from a living individual in the school's history.

1997: The Technology Center, now known as Dorothy Cowser Yancy Hall, was established, featuring a state-of-the-art video teleconferencing auditorium center and nine labs.

2000: JCSU gained national recognition when it launched the IBM Laptop Initiative, known as ThinkPad U, making it one of the few colleges in the country, and the first Historically Black College and University (HBCU), to provide an IBM laptop computer to every student.

2002: The Duke Endowment awarded JCSU $3.9 million. That same year, Yahoo named the University one of the 'Top 50 Most Wired Small Colleges'.

2003: The Irwin Belk Complex, a state-of-the-art academic and sports facility, was built.

2005: The Corporate Alliance Program was established as a relationship builder to align corporate interests with University goals and objectives.

2006: The 1867 Giving Societies was established to honor the University's most generous benefactors.

2008: Dr. Ronald L. Carter became the 13th president of JCSU.

2009: The Duke Endowment awarded JCSU $5.7 million, the largest single gift in the school's history, to fund two new programs: The Center for Applied Leadership and Community Development and the Metropolitan College of Professional Studies. In the first phase of a campus-wide improvement program, the Mary Joyce Taylor Crisp Memorial Student Union was renovated, and ground was broken on the Arts Factory, an innovative teaching and performance facility for students majoring in visual and performing arts.

2011: The Arts Factory opened its doors to students and the Charlotte community. Ground was broken on Mosaic Village, a mixed-use

development featuring living and retail space, as well as on the transformation of the George E. Davis House into headquarters of the Foster Village Network Center. The Duke Endowment awarded a $35-million grant to the University to support science programs, scholarships, and capital improvements on campus. It was one of the largest gifts ever given to an HBCU.

2015: The 62,000-square-foot Science Center funded by the Duke Endowment opened as the home of JCSU's innovative programs in the College of Science, Technology Engineering and Mathematics (STEM). The new center housed programs preparing students for emerging fields in renewable energy, medical informatics, bioinformatics, homeland security-STEM, analytics and bioinformatics, electronics, cyber security, and robotics programs.

2018: Clarence D. Armbrister, J.D. became the 14th president of JCSU.

2021: The Mayor's Racial Equity Initiative, a vision of Charlotte, NC's Mayor Vi Lyles, was announced November 1, 2021, on JCSU's campus. Following national events that amplified racial inequity across the nation in summer 2020, Charlotte became a model for change when corporations and philanthropic leaders came together to pledge $250 million, with $80 million being earmarked for the University.

2023: Dr. Valerie Kinloch '96 became the 15th president of JCSU.

JCSU's History

The Thirteenth Amendment and the end of the Civil War brought freedom to approximately four million enslaved African-Americans throughout the South. Although they gained their liberty, newly freedmen still lacked opportunities. With no education, no property, and no jobs immediately available, freedmen faced as great a struggle for prosperity after Emancipation as they did before. To help ease their transition from slavery to freedom, the Reverend S. C. Alexander and the Reverend W. L. Miller of the Catawba Presbytery sought to establish an educational institution for freedmen in the Piedmont region of North and South Carolina. On April 7, 1867, at a meeting in the old Charlotte Presbyterian Church, formerly located at the corner of D and Fourth streets in Charlotte, the Presbytery agreed upon a plan for such a school and chose Alexander and Miller as the school's first professors.

News of the Presbytery's efforts soon reached a devout church woman in Philadelphia, PA, Mrs. Mary D. Biddle, who promptly pledged $1,400 to the new school. In appreciation for her generous contribution, the newly established school was named for her late husband, Major Henry Biddle, who was wounded at the Battle of Glendale in June 1862 and died a month later. The school was officially chartered by the state as the Henry J. Biddle Memorial Institute and the first classes were held on May 1, 1867. Along with the Colored Presbyterian Church of Charlotte, Biddle Memorial Institute was housed in a building on C Street in Charlotte, which had been donated to the institution by the Freedmen's Bureau. Still searching for a permanent home, Biddle Memorial Institute secured a donation of eight acres of land from a wealthy Charlottean, Colonel W. R. Myers. Soon after moving to the site, the charter was changed in 1876 by the North Carolina State Legislature from Biddle Memorial Institute to Biddle University. The institution operated under this name until 1923. Other successes were achieved outside the classroom. In 1892, Biddle University played its first intercollegiate football game against Livingstone College. The Golden Bulls won that initial game, and the two teams have played every year since in what is known today as the Commemorative Classic.

During and after Reconstruction, Biddle University grew as it benefitted from individual displays of generosity and government support. Using the Freedmen's Bureau as an intermediary, Mrs. Biddle donated an additional $10,000 to erect a main education building and two professors' houses. Those buildings were completed in 1868. Between 1921 and 1928, Mrs. Jane Berry Smith of Pittsburgh, PA, provided funds for the erection of a theological dormitory, a science hall, a teachers' cottage, and a memorial gate. She also contributed an impressive endowment for the institution in memory of her late husband, Mr. Johnson C. Smith. In recognition of these many generous gifts, the Board of Trustees voted to change the name of the institution to Johnson C. Smith University. Thus, the North Carolina State Legislature amended the charter of the school on March 1, 1923. Before her death in October 1929, Mrs. Smith made further donations for the erection of five additional buildings, including a church.

In 1924, the University was made more stable and prosperous as a result of a tremendous gift from James B. Duke, a wealthy and magnanimous businessman of Somerville, NJ. Mr. Duke, who also owned a home in Charlotte and made a tremendous amount of money in the tobacco industry, had been contacted several years earlier by the president of JCSU, Dr. Henry L. McCrory, for a contribution to the young school. Although Duke did not respond to President McCrory's letter, when the Duke Endowment was established on December 11, 1924, JCSU was named one of the four educational beneficiaries along with Duke University, Davidson College, and Furman University. This provided JCSU with immediate and long-term financial resources from which to draw. Through the years, the Duke Endowment's generous support has been of tremendous value to the continued development of the University.

JCSU underwent considerable demographic and financial changes in the decades before and after World War II. In 1924, the institution was recognized by the North Carolina State Board of Education as a four-year college. Five years later, the high school department was discontinued, and the standard educational program was restricted to a college of liberal arts and sciences and a theology department. In 1932, the University's charter was amended to provide for the admission of women to the senior division. The institution attained the status of an independent college, affiliated with the Presbyterian Church in the United States of America, and reporting to the General Assembly through the Board of Christian Education in 1938. By the time the Diamond Jubilee was celebrated in 1942, the University was a fully residential, coeducational institution. Two years later, JCSU joined the College Fund/United Negro College Fund (UNCF) as a founding member. The Fund was organized to help church-related schools of higher learning revamp their training program, expand their physical plants, promote faculty growth, and create new areas of service.

With increasing support from the Duke Endowment, the UNCF, and other sources, JCSU saw significant physical and intellectual development between 1955 and 1968. In November 1955, the Henry Lawrence McCrory Theological Hall was dedicated, providing a new home for the seminary and its library, space for a small chapel, classrooms, and offices. In 1969, the theology program was moved to Atlanta, GA, and became a part of the Interdenominational Theological Center. Seven new buildings were erected on the JCSU campus during this period as well: The Jack S. Brayboy 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, Sanders Residence Hall for women (1967), and the Rufus P. Perry Science Building (1968). Since 1968, JCSU has added several more buildings including the Johnson/Seabrook Education Building, the Mary Irwin Belk Early Childhood Education Center (1976), Greenfield Hall (1985), the Lionel H. Newsom Humanities Building (1986), the Teaching and Learning Center (1988), the Robert L. Albright

Honors College Center (1990), the Faculty Center (1991), the Edward E. Crutchfield, Jr. Center for Integrated Studies (1993), the New Residence Hall (1993), the Technology Center (1997) and the Irwin Belk Complex (2003). The addition of buildings symbolized the growth of the University and its continued success in educating young people.

As higher education became more competitive and more demanding in the 1980s, JCSU made efforts to enhance the academic curriculum and add special programs to attract and retain top students. The Teaching and Learning Center was established to provide academic support services to JCSU students and the Honors College was created to recruit outstanding students with the academic, social, and service commitments to function as leaders and role models on campus as well as in their communities. The Service Learning Center was added in 1994 and quickly became a model program in the South, instilling strong values of service to the community and creating a well-balanced education for JCSU graduates. Renovations and upgrades to the James B. Duke Library were completed in 1999, and after a campaign that raised more than $6.7 million, the University renovated the historic Biddle Memorial Hall. In 19996, the University raised a $1 million gift from Irwin Belk, a prominent Charlotte businessman, as well as grants in excess of $1 million gift from other institutions, such as the Lilly Foundation, the Department of Interior, the Duke Endowment and the Kresge Foundation. These funds allowed for continued growth.

In the 1990s, JCSU experienced a few important firsts. Dorothy Cowser Yancy became the first female president in 1994. In 2000, the University launched the IBM Laptop Initiative, becoming one of the few colleges in the country and the first Historically Black College and University (HBCU) to provide an IBM laptop computer to every student. At the end of the first decade of the new millennium, JCSU launched the Metropolitan College of Professional Studies to offer undergraduate evening and online degree programs designed to enhance opportunities for career advancement and success. These advances, among others, prompted Yahoo to name JCSU one of the "Top 50 Most Wired Small Colleges" in 2002.

Following Dr. Yancy's retirement, Dr. Ronald L. Carter became the 13th president in 2008. Under his leadership, JCSU has taken major steps toward becoming Charlotte's Premier Independent Urban University. His vision of a diverse and bright future for JCSU includes a number of academic initiatives and physical upgrades. A $5.7 million gift from the Duke Endowment funded not only the Metropolitan College of Professional Studies, but also the new Center for Applied Leadership and Community Development. Aided by a generous donation by Larry Griffin, Sr., the University opened the Arts Factory building on Beatties Ford Road as the home for its new Visual and Performing Arts program. In addition to renovations to the Mary Joyce Taylor Crisp Memorial Student Union, in the summer of 2011, the University broke ground on the Mosaic Village, a four-story, mixed-use facility adjacent to the Arts Factory containing retail space, restaurants, and student housing. Groundbreaking on the new Wellness Center began later that same year. In 2015, JCSU opened the state-of-the-art New Science Center and, in 2016, established the Guangdong Baiyun University Center on American Culture and Race in Guangzhou, China thanks to a grant from the US Embassy in Beijing.

On January 1, 2018, Clarence D. ("Clay") Armbrister became JCSU's 14th President.

From its humble beginnings on the grounds of old Charlotte Presbyterian Church, JCSU has grown to 100 acres of land on the highest point in Charlotte with more than 40 academic, service, and administrative buildings. As a result of the vision and commitment of past and present Boards of Trustees, presidents, administrators, faculty, and staff, the University is heralded as one of the best small colleges in the nation.

Mission and Purpose

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 (known as the "Queen City"), this historically Black university has a residential campus with a familial atmosphere where students are stimulated and nurtured by dedicated, caring faculty and staff. Consistent with its Christian roots, the University recognizes the importance of moral and ethical values to undergird intellectual development and all endeavors. JCSU believes in the unrelenting pursuit of knowledge and the value of cultivating the life of the mind. The University assigns great significance to the development of self-confidence; the understanding of one's own heritage, as well as an awareness of the cultures of others; the exploration of the myriad of forces affecting people in this complex, technological age; and the formulation of a sense of one's role in this schema.

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

The University endeavors to produce graduates who are able to communicate effectively, think critically, learn independently as well as collaboratively, and demonstrate competence in their chosen fields. Further, it provides an environment where students can fulfill their physical, social, cultural, spiritual, and other personal needs, and 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 opportunities to the larger community.

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

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

Administrative Structure

The Board of Trustees

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

Officers of the University

The President of Johnson C. Smith University is the chief executive officer of the institution, appointed by the Board of Trustees, and is an ex-officio member of the Board. The other officers of the administration are appointed by the Board of Trustees upon the recommendation of the President. The following positions comprise the officers of the University: President, Senior Vice President of Academic Affairs and Chief Academic Officer, Senior Vice President of Finance and Administration, Senior Vice President of Transformation Initiatives, Senior Vice President of Operational Excellence, Senior Vice President of Institutional Advancement, Senior Vice President of Student Affairs and Enrollment Management, and Vice President of Government Sponsored Programs and Research. All officers of the University report directly to the President and/through him or her, to the Board of Trustees.

Traditions at Johnson C. University

For some 148 years, traditions have developed as a way of commemorating the important role of the University in educating young men and women. They foster a sense of pride and community among those who matriculate.

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

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

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

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

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

Alma Mater (Loyalty Song)

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

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.

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.

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.!

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 Johnson C. Smith University Golden Bull is only to be used for athletics and related collateral produced by the Office of Sports Information.

Publications

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

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

The Bulletin and the *President* are published by the Office of Communications and Marketing.

Dollar and Sense Booklet is published by the Office of Student Accounts.

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

Campus Location

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

Campus Map
Buildings

Biddle Memorial Hall, constructed in 1883, is the "heart and soul" of Johnson C. Smith University. It contains the administrative offices of the University. The building consists of four floors and a basement. It is located on the highest knoll of the campus. Recently renovated, Biddle has an elevator, a remodeled 471-seat auditorium, 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, NY. 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, houses University Facilities.

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, now serves as a residence facility for those students on the President's and Dean's Lists.

Carnegie Hall, which housed the library from the date of its construction in 1911 to 1967, is currently housing the University's Smith Institute.

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

Johnson Cottage, built in 1928 as a faculty home by Mrs. Jane Berry Smith and named after her husband's mother, Mrs. Margaret Johnson Smith, was restored in 1998 and currently houses the Office of Human Resources.

Smith Cottage was built in 1922 as a faculty home by Mrs. Jane Berry Smith and named after her husband's father, Mr. James Smith. It was restored in 1998 and currently houses the Counseling Center.

The Henry Lawrence McCrory Memorial Hall, 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, the Social Science Lab, and Student Support Services.

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

The Jack S. Brayboy Gymnasium was completed in 1961. It is a split-level brick and steel structure with a main playing floor, a seating capacity of 2500, two lobbies, and accessory equipment and storage rooms on the upper level. On the lower level are five instructors' offices, two classrooms, the main equipment and storage rooms, and the main physical education locker and towel rooms. A glass-enclosed corridor connects the Pool Building with the lower level of the gymnasium.

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

Mary Joyce Taylor Crisp Student Union is the community center for the University's students, staff, faculty, alumni and their guests. Offices located here include the Student Government Association, Student Activities, Bookstore, Bookstore, The Bullpen (Burger King and Red Mango restaurants) and other meeting and program facilities. Grimes Lounge is located upstairs.

The New Science Center completed in 2015, is the largest building on campus at over 68,000 square feet. It is outfitted with modern laboratories and also contains faculty offices, classrooms, and centers for market-driven science programs.

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 the University and provides programs and services supporting its mission. The library offers educational resources in print, audiovisual, and electronic formats. 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 library is wireless with data ports and public computers, including Macs, providing full access to the JCSU information network. The library also provides specialized facilities. These facilities include a multimedia room for information, literacy instruction, equipped with a modern communications room for video/data projection, archives, conference/study rooms, and the Faculty Instructional Technology Sandbox, a dedicated space that allows faculty members to experiment with emerging technologies.

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

George E. Davis Hall was constructed in 1923, and the **Rufus Patterson Perry Hall was** 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. These facilities are fully equipped for teaching and research, and has classrooms as well as offices for Information Technology, Institutional Research (IPAER), and University College.

Johnson/Seabrook Hall and the attached Mary Irwin Belk Center were built in 1976 to house the departments of Business the Belk Family Foundation, Department of HEW Higher Education Facilities, the Kresge Foundation, Charlotte Observer Charities, the Z. Smith Reynolds Foundation, and Communication Arts.

Greenfield Hall, a residence facility of modern design, first opened 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. 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 Hall, completed in 1986, is a classroom facility with faculty offices. Of modern design, the building contains 21 offices, over 10 classrooms, 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 Hall, constructed in 1990, was previously a residential facility. It has recently been retrofitted to accommodate the Metropolitan College of Professional Studies, which encompasses the Evening and Online Program, and the e-Learning Department, which supports distance as well as computer-assisted face-to-face courses for the University. It is a multifunctional building that houses seminar rooms, a computer laboratory, conference rooms, Veteran's Hub, Single Stop, and a foyer. This building is named for the University's eleventh president.

The Faculty Hall, 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 there are four faculty studies, an 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.

Dorothy Cowser Yancy Hall (formerly known as the Technology Center), constructed in 1997, is a three-story,23,000 square foot, 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 students. It is also designed to support both student and faculty research in the areas of information technology and telecommunications. In addition, the Center hosts a teleconferencing facility, technical library, classrooms, and an auditorium.

The University Auxiliary Hall was constructed in 1997 to be used as a temporary facility for the University Library. It has been renovated

The New Residence Hall, constructed in 1994, is a modern cloister courtyard complex that houses 210 students. The co-ed living facility includes suites with six bedrooms, two baths, living room, kitchenette and dining area in a townhouse setting. Each bedroom has a private telephone, cable TV outlets and a spacious closet. This new complex features a large theater-style community room, a computer room, a living room complete with a gas fireplace, laundry facilities, office, full kitchen and a private reading room.

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

The University's recently opened **HealthPlex Center** is a5,750 square-foot addition to the swimming pool building next to Brayboy Gymnasium. The Center includes a large exercise area with state-of-the-art exercise and weight-lifting equipment and a group fitness room where yoga, Pilates, and other classes can be held. There is also a multi-purpose room with a kitchenette for presenting healthy food preparation and nutrition programs. Other support spaces include locker rooms with showers, an examination room, administrative offices, and a reception area.

The Mosaic Village Apartments are part of a mixed-use four-story structure offering multiple amenities, including 7,000 square feet of retail space and outdoor seating. This facility includes off-campus undergraduate and graduate student apartments, corporate housing, a parking deck, and a 3,000-square-foot roof terrace that provides an inspiring view of the Charlotte skyline.

The Art Factory is a 14,000-square-foot Visual and Performing Arts Center that accommodates the needs of students taking courses in Theatre, Film, Studio Art, Graphic Arts, Sound Art, and Dance. It contains a 100-seat black box theater, painting studio, dance studio, graphic arts/Mac lab, film/Mac lab, sound art studio/Mac lab, recording booth, B & W dark room, and two smart classrooms. There are also spaces dedicated for art preparation and set storage, a green room, sound booth, lighting booth, costume shop, and student locker rooms.

Admissions

Please Note: All incoming students, graduates and undergraduates, must pay the non-refundable matriculation/enrollment fee.

Undergraduate

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, and intelligence needed to thrive in a scholarly environment. Students who flourish at the University have a history of academic potential and success, are self-motivated, and are committed to lifelong service to her or his community. In addition, the University is committed to educating individuals through the Biddle Freshman and Sit Lux programs, where admission decisions are based on non-cognitive and meta-cognitive assessments. Each candidate is evaluated on individual merit. Although several criteria are used in determining the admission of each individual candidate, no one criterion is necessarily the most important.

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

Freshman Application Process (Traditional, Biddle And Sit Lux)

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

- A completed application for admissions
- An official transcript of his or her secondary school record (submission of final high school transcript with graduation date is required prior to enrollment). A high school equivalency certificate or GED may be submitted in lieu of a high school diploma.
- Reports of his or her scores on the Scholastic Aptitude Test (SAT) or the American College Test (ACT)
- A completed application addendum

Traditional Freshman Criteria

A traditional freshman is a student who has graduated or will graduate from school and has never enrolled in a post-secondary institution. Evaluation of the applicant's qualifications for admission is based on high school coursework, grade point average, scores on the Scholastic Aptitude Test (SAT) and/or the American College Test (ACT), a letter of recommendation and an application addendum.

Favorable consideration for admission will be given to accredited secondary school graduates whose scores on the Scholastic Aptitude Test (SAT) or the American College Test (ACT) and high school grades give promise of success in college. Secondary school students planning to apply for admission to JCSU should emphasize the following school courses:

- 4 Units of English
- 3 Units of Mathematics
- 2 Units of Foreign Language
- 2 Units of Laboratory Science
- 2 Units of Social Science
- 3 Units of Academic Electives

Note: *The University reserves the right to modify these requirements.*

Biddle Freshman Criteria

A Biddle freshman is a student who has graduated or will graduate from high school and has never enrolled in a post-secondary institution. Evaluation of the applicant's qualifications for admission is based on non-cognitive and meta-cognitive assessments, high school course work, grade point average, scores on the SAT and/or the ACT, a letter of recommendation, and an application addendum.

Favorable consideration for admission will be given to accredited secondary school graduates whose college aptitude test scores or high school grades give promise of success in college. Secondary school students planning to apply for admission to JCSU should emphasize the following school courses:

- 4 Units of English
- 3 Units of Mathematics
- 2 Units of Foreign Language
- 2 Units of Laboratory Science
- 2 Units of Social Science
- 3 Units of Academic Electives

Note: *The University reserves the right to modify these requirements.*

Sit Lux Criteria

The Sit Lux Program is operated under the administration of University College's Biddle Institute and is a part of a faculty-led admissions research initiative, effective with the Fall 2013 semester. Sit Lux is an admissions tier that allows further exploration of the differences in enrollment patterns, academic performance, and educational persistence between students admitted using traditional cognitive measures and nontraditional non-cognitive variables.

A Sit Lux freshman is a student who has graduated or will graduate from high school and has never enrolled in a post-secondary institution. Evaluation of the applicant's qualifications for admission is based on non-cognitive and meta-cognitive assessments only.

Favorable consideration for admission will be given to accredited secondary school graduates whose non-cognitive and meta-cognitive features give promise of success in college. Secondary school students planning to apply for admission to JCSU should emphasize the following school courses:

- 4 Units of English
- 3 Units of Mathematics
- 2 Units of Foreign Language
- 2 Units of Laboratory Science
- 2 Units of Social Science.
- 3 Units of Academic Electives

Note: *The University reserves the right to modify these requirements.*

Transfer Students

Applicants who have attended other recognized accredited institutions can apply for admission with advanced standing, provided they are academically eligible to return to the college or university last attended.

Transfer credit is only given for courses in which the applicant has earned a grade of **C**. No credit is given for any course in which the applicant has earned a grade below a "**C**". Each transcript is evaluated on its own merits in light of its conformity with the program of study in the JCSU curriculum.

The University generally will accept a maximum of 64 credit hours from a recognized and accredited junior, community or technical college, or 90 credit hours from a recognized accredited four-year institution. Credit hours, not grade points, are transferred.

Only courses with specific course equivalencies are transferred in as course equivalents. Other courses may transfer in initially as electives. Students are strongly encouraged to consult as soon as possible with a Teacher-Advisor and/or an Academic Advisor to determine if specific courses may fulfill requirements for the General Education Curriculum (Pillars/Foundations) and/or major courses.

Transfer Student Application Process

Transfer student candidates should submit the following to the Office of Admissions:

- A completed application for admissions.
- Official transcripts from all colleges and universities attended. Transfer students with less than 12 hours earned may be required to submit an official high school transcript.
- Submission of official final transcripts prior to enrollment.

Students seeking admission as a transfer student should have the following:

- Earned 12 or more college-level semester credit hours (students with less than 12 college-level semester credit hours will be evaluated as a First-Time Freshman);
- Earned a cumulative 2.0 undergraduate GPA or a 2.0 GPA in the last 24college-level semester credit hours attempted;
- Must be in good standing with the last college/university attended.

Recognized Regional Accrediting Organizations and TRACS:

- Accrediting Commission for Community and Junior Colleges (ACCJC)
- Higher Learning Commission (HLC)
- Middle States Commission on Higher Education (MSCHE)
- New England Commission on Higher Education (NECHE)
- Northwest Commission on Colleges and Universities (NWCCU)
- Southern Association of Colleges and Schools Commission on Colleges (SACSCOC)
- WASC Senior College and University Commission (WSCUC)
- Transnational Association of Christian Colleges and Schools (TRACS)

Note: *The University reserves the right to modify these requirements.*

International Students

The University welcomes admission inquiries from international students. They are encouraged to complete an application for admission, three months before the beginning of the term in which they intend to enroll.

International Student Application Process

International Student candidates should submit the following to the Office of Admissions:

- A completed application for admissions.
- Verification of graduation from high school or secondary institution
- An official high school transcript(s) and/or certificate in English; preferably translated from an accredited transcript evaluation agency in the United States
- Official SAT/ACT or TOEFL scores.
- Declaration of Certification of Finance demonstrating sufficient funds are available to finance the planned course of study without causing undue hardship on the student
- A certified statement from a bank, lending agency or sponsor that stipulates the amount of money on reserve for tuition, fees and living accommodations to matriculate in a four-year undergraduate program in the United States.

Note: *The University reserves the right to modify these requirements.*

Evening and Online Program

Please refer to *The Metropolitan College of Professional Studies* Section for more information about the Evening and Online Program. Students taking courses for self-improvement do so through the Metropolitan College of Professional Studies and may register for either credit or non-credit offerings.

Transients

Students who are regularly enrolled in other institutions may be allowed temporary matriculation at JCSU. Transient admission is ordinarily limited to one semester. Transient students must submit an official application for admission and letters of approval from the registrar of the institution in which they are enrolled, certifying that they are currently eligible to return to the parent institution, and that they have been granted permission to enroll at JCSU for a specified period of time. The University requires that the letter of approval from the registrar include a list of courses that the student should take while enrolled at JCSU.

Note: *The University reserves the right to modify these requirements.*

Non-Degree Seeking Students

Students taking courses for job-related and/or personal enrichment purposes will be enrolled as non-degree students. Non-degree students are eligible to take credit and non-credit courses but are not seeking a degree and are not eligible to advance toward one. Non-degree seeking students are not eligible to receive federal financial aid. Should a non-degree seeking student elect to pursue a degree at a future date, only five credit hours taken may apply toward that degree.

Note: *The University reserves the right to modify these requirements.*

Status Change

Day/Evening/Online students who wish to change their status must consult the Academic Catalog and their advisor to verify that they meet the requirements for enrollment in Traditional Day or Metropolitan College of Professional Studies Evening and Online Programs. Students must have a 2.0 GPA, in good financial standing with the University, no judicial infractions and a signature from their current advisor.

Any change of type and/or location might affect tuition and fee charges. Students must understand that they will be held responsible for any additional fees and must make appropriate financial arrangements for this change with the Financial Aid and Business Office prior to course enrollment. Change of status forms are effective for one calendar year from the date approved and are not subject to change prior to the expiration of that calendar year.

Readmits

Students who have previously attended the University and have not been in attendance for a semester or more are required to file an application for readmission by the deadline dates listed on the Academic Calendar. In addition, if the student attended another college or university during their absence from JCSU, they must also submit an official transcript from all institutions attended.

Graduation will be governed by the catalog under which students first enrolled in JCSU. If a student is not enrolled in the university for more than 5 consecutive years, the student must meet the requirements according to the Catalog in place at the time of their return. In any circumstance, the student's Catalog will reset (to the current catalog) 10 years after their first enrollment at JCSU regardless any separation. This policy shall apply retroactively.

Note: *The University reserves the right to modify these requirements.*

Audit

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 their total hours exceed 18. An auditor is not required to participate in class discussions, to prepare assignments, or to take examinations. Auditing of courses is allowed only when there is seat availability. It requires the approval of the course

instructor and Dean of the College in which the course is housed, and completion of an Audit Record form from the Office of the Registrar.

Graduate Admissions

Students who wish to attend JCSU's graduate school must submit a graduate application package to the Office of Graduate Admissions. A completed application includes:

- A completed graduate application form and program specific application, as required
- A cover letter of intent
- Letters of recommendation as specified by the program
- Official transcripts from all institutions attended
- A processing fee of $40.00

Individual graduate programs may require additional information. Please see the application procedures outlined in the program descriptions for additional details. For example, if the specific graduate program requires an entrance exam (i.e. GRE), test scores must be submitted to the Office of Graduate Admissions as well. Missing items will be reported to the applicant, and a hold will be placed on the application package. The package will not move forward to the appropriate program for review and decision until all information is submitted.

Graduate programs have specific application deadlines. Therefore, applicants must adhere to the specific deadlines established by the program for which they are applying.

All materials submitted in support of an application for admission becomes the property of Johnson C. Smith University. Materials will not be returned or released to third parties. Any student admitted on the basis of false and/or incomplete information is subject to immediate dismissal.

Finances

Dollars and Sense

Please refer to our document Dollars and Sense (http://catalog.jcsu.edu/dollars-sense/) for the fee structure and policies associated with paying for your University education. We have prepared this Dollars and Sense document to provide you with valuable information regarding the financial policies and procedures of the JCSU Office of Student Accounts. This document includes the University's tuition fee structure, payment options, refund policy and other information relevant to a student's attendance at the University. We strongly recommend that students and parents review the document together. The Dollars and Sense document will help your family better estimate your University financial obligations, as well as your personal expenses. Parents and students who familiarize themselves with this guide often avoid unnecessary delays during the Financial Clearance process.

Student Financial Aid

The University administers an extensive financial aid program that provides financial assistance to more than 80% of its student body. Financial assistance is offered to eligible and admitted students as long as they are meeting Satisfactory Academic Progress (or SAP).

The objective of the Financial Aid Program is to assist in meeting the direct educational costs (tuition, fees, on-campus room and board) less the family contribution. Types of assistance include scholarships, grants, loans, and employment. Additional information is available from the Office of Financial Aid.

Students who apply for aid by our published deadline can expect to receive an aid package composed of grants for which they may be eligible, part-time employment, and loans. Parents of a dependent student can also apply for Parent PLUS loans.

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

Most awards are based on need. Because a student's need varies from year to year, an award for one year does not guarantee an equal amount of assistance will be provided in the succeeding year. Assistance may vary each year as a result of changes in student resources, family financial circumstances, cost of education, or changes in aid policies and/or federal and state funding.

How to Apply

- The Free Application for Federal Student Aid (FAFSA) should be completed online as soon as possible after October 1. Students who have substantial financial need are strongly urged to file as early as possible. Applications completed and submitted by March 1 will be part of 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 awarded until after the student has received a letter of acceptance from the Office of Admissions.
- Students selected for verification must complete all steps required. Until verification is successfully completed, a student will not receive an award letter.
- Notifications of financial awards are emailed to the student. All aid is "Accepted" unless the student chooses to decline or adjust the awarded amount. If the student chooses this option, he or she will have to print the award letter, make adjustments, sign, and return the physical copy to the Office of Financial Aid.
- Changes in federal, state, and institutional policy could affect information printed in this Catalog. Contact the Office of Financial Aid for updated information.

Satisfactory Academic Progress (SAP)

Johnson C. Smith University adheres to the Satisfactory Academic Progress Policy (SAP) for students who receive financial aid. These standards require students make progress toward an undergraduate or graduate degree during all periods of enrollment, including periods when he or she did not receive financial aid.

SAP is a federal policy that measures two components: quantitative and qualitative progress.

The quantitative portion requires students attending an institution that awards federal financial make progress toward the completion of their degree within a reasonable period of time. All attempted credits count toward the calculation; withdrawal negatively impact a student's progress.

The qualitative component of the policy deals with progress as it relates to the student's Grade Point Average (GPA). Satisfactory Academic

Progress standards adhere to the University's policy for academic standards (see chart below).

The maximum time frame for completing an undergraduate degree is 150% of the published length of the program. For programs that are 120 credits, a student would be allowed to attempt no more than 180 credits before completing the requirements for their degree. Generally, for full time students, this is equal to six years. Students who have not completed their degree within this parameter are deemed ineligible for financial aid.

JCSU Financial Aid Standards

- Maintain or exceed required cumulative GPA based on the matrix below (qualitative measure)
- Successfully complete at least 67% (for Undergraduates) and 75% (for Graduate) of the cumulative attempted credit hours (a quantitative measure).
- Make positive progress toward a program of study within 150% of the average published program length.

Undergraduate Students

Total Number of Credits Attempted	Minimum Cumulative GPA
1-29	1.70
30-59	1.90
60 or more	2.00

Financial Aid Statuses

Eligible

Student is meeting the minimum academic standards or has no academic history. Fully eligible for financial aid.

Probationary

Student did not meet minimum standards for cumulative GPA and/or 67% completion rate at the previous evaluation period. Student is still eligible for financial aid but must reach all minimum standards by the end of the next evaluation period to maintain eligibility.

Ineligible

Student has failed to meet minimum standards for cumulative GPA and/or 67% completion rate SAP at the end of the evaluation period. Student is ineligible for financial aid.

Maximum Timeframe

Student has attempted at least 180 credit hours toward a Bachelor's Degree. Graduate students must earn their degree within the timelines set by the Graduate School per their graduate program. If a student exceeds these credit hour limits, they are not making progress toward a degree within the 150% federal requirement and are ineligible for financial aid.

Repeat Courses

Federal regulations prohibit receiving financial aid for a previously passed course more than once. Students who received credit for a course and repeated the course to earn a higher grade can have that repeated course counted in the enrollment level for financial aid purposes only one additional time. All repeat courses will be used in determining completion rate and time frame.

Each student's case will be reviewed by the Committee on Academic Standards to determine the progress made toward the completion of degree requirements.

Review, Notification, and Appeal Process

Students who do not meet the University's standards are notified of the loss of financial aid eligibility prior to the start of the next semester. Eligibility can be regained in two ways:

1. The student finds an alternative funding source, continues to take classes, and regains eligibility on their own over time.
2. The student files an appeal to the Satisfactory Progress Committee.

Appeals are reviewed throughout the academic year and must be submitted at least two weeks prior to the end of a semester for which the student is out of compliance. An appeal submitted after the close of the semester will be considered for the next semester only. Taking a semester off or paying for classes without financial assistance does not, in and of itself, re-establish financial aid eligibility.

Students who are academically separated from the University are not eligible for financial aid funds unless they successfully appeal to the appropriate Academic Dean and are subsequently reinstated. If such a student has met the quantitative component of the SAP policy, no further appeal is required, and financial aid can be reinstated. However, if the quantitative standard has not been met, the student must present an additional appeal to the Satisfactory Progress Committee.

Student Rights and Responsibilities

Students have the right to:

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

Students are responsible for:

- Completing all forms accurately and submitting them according to scheduled deadline dates
- Reapplying for aid each year
- Honoring the policies and procedures stated in the *JCSU Catalog* and the *Student Handbook*
- Informing the Office of Financial Aid of transfer from the University
- Enrolling in the necessary number of credit hours and attending the classes
- Repaying loans in accordance with repayment schedules
- Filing any deferments that are necessary for prior loans from other schools
- Contacting the Office of Financial Aid if they are in default
- Providing any additional information requested by the Office of Financial Aid
- Officially withdrawing with the appropriate departments to terminate enrollment

Changes in Enrollment Status

If a student does not begin attending all of his or her classes, the University will recalculate his/her federal Pell Grant award based on the lower enrollment status. For example, if an undergraduate student registers for a full-time course load (12 hours) but only attends three

classes (nine hours), the student's Pell Grant will be recalculated based on the lower enrollment status. Please note this is different from withdrawing from a class. If a student's aid has been disbursed and the student can prove attendance in the class, the University will not adjust the student's aid. If aid has not been disbursed, the University will award the student for the hours for which attendance can be verified regardless of a student's charges from Financial Affairs. Students must have a minimum of six hours at the time of disbursement to be eligible for subsidized or unsubsidized loans.

Financial Aid Programs

Students must be enrolled in an eligible degree program to be eligible for financial aid. In addition, students must meet federal and state eligibility requirements associated with financial aid types. The types of financial aid offered at Johnson C. Smith are as follows:

Pell Grant

The Pell Grant is a federal grant program that provides funds to students pursuing a first undergraduate degree. To qualify, a student must have an eligible Estimated Family Contribution (EFC). The student is awarded a Pell Grant based upon the student's EFC and enrollment status. The amount of an estimated Pell awards (contingent upon verification) may change after it is awarded.

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 basis. SEOG awards are made to students with the greatest need and are given only to students who receive a Pell Grant. The grant can range from $200-$1,500 per academic year to enable an equitable distribution for the demand for assistance.

Federal Work-Study

The Federal Work-Study Program provides part-time employment to eligible students who are paid 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 agreed-upon work when accepting the award. This program gives students a chance to earn money to help meet their educational expenses. Students are employed on campus by a variety of departments and offices, and typically work approximately 10-20 hours per week. Students participating in this program must be enrolled full-time.

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

North Carolina Need-Based Scholarship

The State of North Carolina makes scholarship funds available each year to assist residents of the state. This scholarship is based on the student's EFC. A recipient must enroll in the institution as a full-time student by October 1 for the Fall Semester or the 10th day of classes in the spring semester

Athletic Scholarships

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

Music Scholarships

Music scholarships are available to students who demonstrate exceptional skills in band or choir. The University's Band Director or Choir Director must recommend recipients for these scholarships. University policy states that students may not receive a refund credit from any institutional aid; this credit will be returned to the University.

Tuition Remission

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

Charlotte Incentive Grant Award (CIGA)

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

Family Scholarship

Parents, children, or siblings of currently enrolled students receive a 10% discount on their direct cost. If the direct cost is covered by an internal/external scholarship, no family scholarship will be given.

United Negro College Fund Scholarships (UNCF)

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

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 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, along with the repayment schedule and amount of interest to be paid.

Parents must apply for the Parent PLUS Loan. The information is submitted for approval, and if approved, the loan is originated. The parents are required to sign their master promissory notes electronically. Once the signed master promissory note is received, funds are awarded and applied to the student's account. Once a master promissory note has been signed, it is used for multiple loans under the same MPN for more than one academic year. Parents may apply online via Federal Student Aid's Website: www.studentloans.gov (https://studentaid.gov/).

Direct Stafford Student Loan Program

Stafford Student Loans are low-interest loans provided by the U.S. government to students. To receive a subsidized Stafford Loan, a student must demonstrate financial need. Repayment begins six months after the student graduates or drops below half-time enrollment. The standard repayment term is 10 years, although there are alternate repayment terms available. Students can defer payments after graduation by contacting the servicer of their loans. The terms and conditions of student loan deferment are provided by the servicer.

The Alternative Loan

The Alternative Loan is another source of funding for dependent students whose parent(s) may not be eligible for a PLUS Loan or for independent students who have no other form of support for additional funding. These are called alternative because students borrow from sources outside the college and the U.S. Department of Education. These loans are based on credit approval, and repayments begin six months after the student leaves the University. The student must be at least part-time in a degree-seeking program and can borrow up to the cost of attendance minus other financial aid.

District of Columbia College Access Program (DC-CAP)

This program provides college "last dollar" award scholarship for up to five years to Washington, DC public high school students to help make up the difference between a student's resources, financial aid, and actual college expenses.

DC 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. A student must be a resident of Washington, DC to be eligible for this grant.

Outside Scholarships

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

Other Forms of Educational Assistance

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

Policy Statement on Institutional Scholarships

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

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

Institutional Aid

The University awards institutional scholarships on a "last dollar" basis. Students receiving these scholarships (e.g., Academic Merit, Choir, and Band) will have to exhaust all other means of financing before the University considers awarding them. Students who are recruited through the Office of Admissions when packaging the student for financial aid purposes.

Whenever there is a conflict between this policy and Federal Title IV regulations and/or the National Collegiate Athletic Association (NCAA) regulations, including, but not limited to, student eligibility calculating awards and packaging, and processing and managing federal student aid funds, the Federal Title IV and NCAA regulations will govern decisions related to students with University institutional aid.

JCSU scholarships may consist of funds that the University has solicited from external agencies. Examples include UNCF Scholarships and Duke Scholarships. Students receiving such external scholarships may have their original awards adjusted to prevent the 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.

Academic Regulations

Registration

All students must register for each semester or term. Students are required to register on the days indicated on the University Calendar.

Changes in Registration

Students can add courses to their schedules using the Johnson C. Smith University Online Web portal until the published deadline date listed on the academic calendar. **Please note:** Any adjustments in enrollment status may impact a student's financial aid and/or balance due to the University. Students are encouraged to contact the Office of Financial Aid and/or Student Accounts prior to changes in enrollment status. Any student who fails to attend at least one session of the class(es) for which he or she is registered and is reported by faculty as a No Show by the census date will be administratively dropped from the course.

Changes in Address

Written communications to students are sent to the student's university email address or legal permanent address of record. All address changes must be submitted online in the JCSU Web Portal and are verified by JCSU email login verification.

Enrollment Verification

JCSU has authorized the ***National Student Clearinghouse*** to provide official enrollment verifications for insurance purposes. Students may obtain verification that they are or were enrolled during a specific semester only after the end of the drop/add period for that semester, if they are registered for at least half time and have their social security number on file with the University. Students should log into the JICS web portal to obtain their certificates of enrollment. International and Undocumented students may request an Enrollment Verification directly from the Office of the Registrar.

Loan Deferment/In School Deferment

JCSU has authorized the ***National Student Clearinghouse to*** provide enrollment verification to loan deferment companies. A loan deferment form should be faxed to the ***National Student Clearinghouse at*** 703-742-4239. For questions about a form previously submitted, visit www.studentclearinghouse.org (http://www.studentclearinghouse.org) or contact the Customer Service office at 703-742-4200.

Degree Verification

JCSU has authorized the ***National Student Clearinghouse to*** provide degree verifications. The ***National Student Clearinghouse can*** be contacted online at: www.studentclearinghouse.org (http://www.studentclearinghouse.org) or by mail at:

National Student Clearinghouse
13454 Sunrise Valley Drive, Suite 300
Herndon, VA 20171

Academic Falsification

Academic falsification occurs when an incoming, current, or former student:

1. falsely represents to Johnson C. Smith University having an academic credential, including, but not limited to, degrees, certificates, grades, and credits that the person never received or earned;
2. provides Johnson C. Smith University a transcript, diploma, or other credential (or copy thereof) that has been altered or otherwise falsified;
3. falsely represents to anyone that he or she attended and/or received credits, grades, a degree, certificate, or other credential from the Johnson C. Smith University; or
4. provides anyone a Johnson C. Smith University transcript, diploma, or other credential (or copy thereof) that has been altered or otherwise falsified.

Pursuant to N.C. Gen. Stat. § 14-122 (https://www.ncleg.net/EnactedLegislation/Statutes/HTML/BySection/Chapter_14/GS_14-122.1.html), in the State of North Carolina, it is unlawful to issue a false academic credential and a gross misdemeanor to knowingly use a false academic credential.

What should you do if you suspect academic falsification?

1. ***Contact the Office of the University Registrar.***

   You should always contact the Office of the Registrar to any concerns about academic falsification. The Office of the Registrar wants to know when academic falsification occurs and can assist with the University's response.

2. ***Use the Johnson C. Smith University Degree Validation Webpage.***

   You may be able to verify whether a former student received a degree from the University on the National Student Clearinghouse website www.studentclearinghouse.com (http://www.studentclearinghouse.org).

Possible Consequences of Academic Falsification

The University may take action against someone who has committed academic falsification. This includes, but is not limited to the following:

- Contacting the police for possible criminal action;
- Academic and/or disciplinary action, which could include dismissal from a program and/or the University;
- Revocation of a degree.

Maximum Load

During the fall and spring semesters, an Undergraduate student may not enroll for more than 18 hours per semester unless approved by the respective Dean of their College. Such students may apply for additional credit hours, but may not exceed a total of 24 credit hours. Forms to enroll for more than 18 hours maybe found on the JCSU web portal.

The student is responsible for the cost of any course(s) that exceed 18 hours. All students must contact the Business Office for overload tuition charges.

Cross Registration Between Colleges

Students who cross-register between Colleges operating on different academic calendars (*e.g.* Traditional and Metropolitan College of Professional Studies Evening and Online Program) are responsible for adhering to the deadlines, requirements, and policies outlined below.

Please note that registration deadlines for the Evening vs. Day undergraduate may differ. Cross-registration petition forms must be completed by the **earlier of** the two deadlines, and cross-registering into courses is contingent upon availability. Home college candidates have first priority.

The Host College may, for any reason (including a student's failure to attend class during the first week), refuse to accept the cross-registration even if it is approved by the instructor. Students may not, under any circumstances, cross-register for courses that overlap in meeting times.

Cross Registration does not exist between Undergraduate and Graduate courses at this time.

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.

Cross-Listed Course

A **cross-listed course is** a course that is offered under more than one course heading by different departments or programs. The course will carry identical course attributes (breadth and level) and will have identical course prerequisites.

Cross-Listed courses are offered at identical times throughout the semester. All cross-listed courses are listed as such on the semester schedule and in the course description.

Team Collaborative Teaching

Team Collaborate teaching involves two or more instructors teaching the same course. The instructors are involved in a collaborative endeavor throughout the entire course

Grades and Credit

Symbols

The quality of a student's work in a course must be reported to the Office of the Registrar by the use of the following grades: **A, B, C, D, F, FN, W,** or **I**. **A** denotes excellent scholarship; **B**, good; **C**, fair; and **D**, poor. **F** indicates failure; a student receiving a grade of **D** or **F** may repeat the course.

Students who attend a particular course only one time from the beginning of the semester to the end of the financial clearance period but who discontinue course participation before midterm grades are due shall receive an **FN** (*Failure Due to Nonattendance*) at midterm. Any student who receives an **FN** at mid-term and returns to class after midterm cannot receive an **FN** at the end of the term; he or she will receive an appropriate grade according to the course syllabus.

The grade **W indicates** the student has withdrawn from the course after the last date to enroll for the semester but before the last day to drop a course. A grade of **W may** also be given to any student who attends a course, at least once, but is administratively withdrawn from the university. The grade **I indicates** that coursework has not been completed and that the student did not withdraw from the class. Any student who does not remove the incomplete grade **I** by the end of the allowed time period shall receive the alternate grade provided by the instructor.

The University's grading symbols are accompanied by the following numerical equivalents:

- A (90-100)
- B (80-89)
- C (70-79)
- D (60-69)
- F (Below 60)

Quality Points

Quality points are determined by multiplying the number of credit hours a course yields by the quality point value of the grade. Quality points are computed as follows:

- **A**, 4 points for each credit hour
- **B**, 3 points for each credit hour
- **C**, 2 points for each credit hour
- **D**, 1 point for each credit hour
- **F**, 0 points for each credit hour
- **FN**, 0 points for each credit hour

Thus, a student receiving a grade of A in a two-credit-hour-course will result in eight quality points; a grade of **A** in a three-credit hour course will earn twelve quality points; a grade of **A** in a four-credit-hour-course will result in sixteen quality points.

Grade

No grade below **C will** count for credit in the student's major or minor.

Course Credit

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

Prerequisites and Major Courses

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

Grading

The University reserves the right for decisions regarding grading to be made by the exercise of the sound discretion of the University faculty. Students receive a final grade or a grade of Incomplete in each course. If a faculty member has made an error in assigning the final grade, the faculty member may complete a Request for Change Grade form with the appropriate documentation. If a student receives an Incomplete, it may be removed upon completion of the incomplete work.

Incomplete work must be made up within the first six weeks of the following semester. Students enrolled in the Evening and Online Program course must make up incomplete work within the first three weeks of the following term in which the student enrolls for courses at JCSU. Any student who does not remove the incomplete grade I by the end of the allowed time period shall receive the alternate grade as provided by the instructor.

Grade Appeal System

A student may appeal the final grade received in a course. The student must initiate the grade appeal process in writing with the course instructor to determine if there has been an error or misunderstanding about the quality of the coursework. If this discussion does not prove satisfactory, the student may take the matter to the Department Chair and subsequently to the Dean of the College if it is not resolved. A grade appeal must be initiated within 30 days after the start of the semester following the one in which the final grade in question was received. Otherwise, the grade will stand. The University will resolve any properly filed formal written appeal within 30 days.

Enrollment Status

Full-time

An undergraduate student must be enrolled in a minimum of 12 semester credit hours to be considered full time; a graduate student must be enrolled for a minimum of nine (9) semester credit hours.

Part-time

Any student enrolled in less than a full-time load in the fall or spring semester, or fewer than six hours in the summer term.

Special

Any student enrolled in courses for credit but who has been admitted as a non-degree seeking student.

Academic Standards and Sanctions Policy

Good Standing

The Academic Standards Scale sets forth the minimum requirements for progress toward a degree. Any student who meets these requirements will be in good standing.

Academic Standards

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

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

Undergraduate Academic Standards Scale

The minimum cumulative GPA required by the University for awarding the baccalaureate degree is 2.00 for all degree- level work taken by the student as part of an approved program of study. The GPA is computed by dividing the total number of hours attempted into the total number of quality points earned, except for credit hours in courses for which the student received a grade

Any enrolled student who meets the minimum academic requirements in the table below is in good academic standing at the University. Probationary status will be incurred by any student who fails to meet the standards in any term.

Total Number of Credits Attempted	Minimum Cumulative GPA
1-29	1.70
30-59	1.90
60 or more	2.00

At the end of the next term of enrollment, a student on academic probation who fails to attain either the above cumulative standard or a 2.0 GPA for that term may be dismissed for one year.

Note: Biddle Institute guidelines will apply for Biddle Freshman Program Students and Sit Lux Scholars (See the University College/Biddle Institute section of this *Catalog*).

The first dismissal may be appealed. If successfully appealed, the student must either earn a semester GPA of at least 2.00 or achieve the cumulative GPA required for the number of credit hours attempted (as outlined in the preceding chart). Students failing to meet one of these standards after appeal may be dismissed. Dismissed students can appeal to attend summer school (see below).

Students must apply for re-admission for the semester in which they plan to return to the University.

Any first-semester freshman who earns two or more **F grades** at midterm of their first semester may be assigned mandatory intrusive advising conferences by the appropriate College Dean. Attendance logs with notes on the meeting will document the student's commitment to academic success. Failure to attend these conferences and/or to activities assigned by the advisor will jeopardize any appeal regarding future sanctions later in a student's career, including application for readmission under the Phoenix Policy.

Undergraduate Academic Sanctions

Probation

Any student who fails to meet the requirements of the Academic Standards scale is placed on Academic Probation and limited to a maximum of 13 hours during fall or spring and a maximum of six hours in the summer. The College Dean or an academic advisor may make an exception to this policy on an individual basis as deemed appropriate. A student is not allowed to appeal probationary status.

Students on probation will be assigned an advisor from their College to engage in bi-monthly intrusive advising conferences. (Undeclared students are assigned an advisor from the University College.) Attendance logs with notes on the meetings will document the student's commitment to academic success. Failure to attend the mandatory advising conferences or to complete activities assigned by the advisor will jeopardize any appeal regarding future sanctions later in the student's career, including application for readmission under the Phoenix Policy.

In addition, any student who earns less than a 0.8 cumulative Grade Point Average in consecutive semesters will forego probation and be dismissed from the University. A student may appeal the dismissal in writing to the Committee on Academic Standards. If the Committee grants the appeal, the advisor 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 without an opportunity to appeal the decision.

Dismissal

Any student who fails to meet Academic Standards will be dismissed from the University. 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.

Dismissed students may enroll in summer courses at another university for credit but may not enroll at another post-secondary institution to acquire transfer credits during the regular fall or spring semesters.

Dismissed students may petition the Dean of their College for the privilege to have their dismissal lifted for summer school at JCSU in order to retake up to six credits of courses. Failure to earn a grade of **C or** above in these courses will jeopardize a petition to take courses in a subsequent summer session and/or a petition to be readmitted under the Phoenix Policy. Granting this privilege does not change a student's dismissed status nor alter the requirements for applying under the Phoenix Policy, but it may improve a student's performance on the Academic Standards scale in the event she or he is readmitted. Dismissed students can appeal to the Dean of their College for as many summers as they wish.

The Director of Financial Aid, Registrar, Coordinator of Housing Services, Student Account Manager, 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.

Phoenix Policy

The Phoenix Policy is designed to provide former students the privilege of salvaging their academic careers and returning to the institution.

To be eligible for readmission under Phoenix, a student must:

- Have a cumulative GPA below 2.0
- Be separated from the University for at least three years.
- Have not attended another university.
- Have proven capability for academic growth by other means.

If readmitted under the Phoenix Policy, the student will have 36 credit hours to improve their GPA and be in good academic standing. Failure to meet this standard after 36 hours will result in dismissal from the University with no opportunity to petition for readmission. Students readmitted under the Phoenix Policy are limited to a maximum of 13 credit hours in the semester they are readmitted or six semester hours in summer school. Students readmitted under this policy are required to meet at least twice each month with a teacher-advisor from their College (or an advisor in University College if they have not declared a major) for intrusive advising conferences. Attendance logs with notes on the meetings will document the student's commitment to academic success.

To earn readmission under Phoenix, students must complete the process for an academic appeal, including a personal statement, meet all the deadlines outlined in the *Catalog*, and must sign the Phoenix contract before readmission. The statement must demonstrate that the student has engaged in appropriate personal developmental and/or enhancement activities during the period of absence (e.g., employment, military service, and volunteer/community service). Attendance at another university does not constitute appropriate development, and students readmitted under Phoenix cannot transfer hours from another university. Students must not have been convicted of crimes which, if repeated, might endanger the University community.

Readmission under Phoenix is not a guarantee of eligibility for federal financial aid or university scholarships and awards.

Graduate Academic Sanctions

The following requirements relate to an MSW student's academic and professional performance. These requirements and the termination policy are included in the *Social Work Graduate Student Handbook* and are reviewed with the student during his or her admission into the program.

1. Academic Performance: All students entering the JCSU MSW program are expected to actively engage in their academic classes and to put forth their best effort. The academic standards for successful completion of the JCSU MSW program include the following criteria:
   a. All students enrolled in the JCSU MSW program must maintain a minimum cumulative grade point average of 3.0 to remain in good academic standing. A student whose grade point average falls below a 3.0 will be placed on probation and given one semester to bring his or her semester grade point average up to the required standard.
   b. A maximum of two **C final** course grades are allowed in the program. In the event that an MSW student earns a third **C** in a graduate social work course, he or she will be terminated from the program.
   c. A final grade lower than a C will not count as successful completion in any graduate social work course. Any student earning a failing grade will be placed on probation and must retake the course in which a substandard grade was earned. Note that repeating a required course will prevent students from progressing through the curriculum as scheduled. Successfully passing a course re-taken with a B or better will allow the student to progress through the MSW program. However, in the event that a student receives a grade lower than a C for a second time, they will be terminated from the program.
2. Professional Performance: Students enrolled in the MSW Program at JCSU are subject to the regulations found in the *Johnson C. Smith Student Handbook*, the National Association of Social Workers (NASW) Code of Ethics and are expected to abide by the relevant standards in the North Carolina Code of Laws. These procedures and guidelines should be upheld both in the classroom, the university context, and in assigned field placements. Upon admission into the JCSU MSW program, social work students are required to sign a statement agreeing to abide by all relevant regulations and the NASW Code of Ethics.

   A student may be terminated from the social work program if a documented violation of the above-referenced requirements has occurred. A student may be placed on probation or suspended temporarily from a field internship placement pending the outcome of any identified violations. A violation may include, but is not limited to, the following:
   a. Academic dishonesty, including plagiarism and cheating;
   b. Failure to maintain a 3.0 (B) average;
   c. Earning a third **C for** a course grade;
   d. Commission of acts or behaviors that violate the ethics of the social work profession as defined in the professional Code of Ethics and State law governing social workers;
   e. Conviction of an offense that involves moral turpitude, including child or adult abuse or neglect, or a felonious offense;
   f. Documented problems in behavior or performance, which raise questions from the faculty or field instructor about the student's suitability for professional social work. Such problems could include, but are not limited to, the following behaviors:
      i. Inappropriate behaviors and/or communications with client(s);
      ii. Forced or coerced sexual behavior with client(s);
      iii. Sexual activity with client(s) including, but not limited to, kissing, fondling, or sexual intercourse;
      iv. Physical aggression, such as hitting, spanking, or slapping, directed at client(s), student(s), faculty or staff member(s);
      v. Physical or emotional threats directed toward client(s), student(s), faculty or staff member(s);
      vi. Acceptance of gifts or money (not considered standard payment for services) from client(s). Students shall not ask for, or accept, gifts from client(s);
      vii. Illegal or unethical behavior that limits or takes away client(s)' rights or results in financial, material, or emotional loss for client(s) or gain for the social work student;
      viii. Sexual harassment of client(s).

When a student's performance does not meet these expectations, the Social Work MSW Program Director or a member of the graduate social work faculty may request a review by the entire graduate Social Work faculty of the identified policy violation. The student is notified in writing by the MSW Program Director of the concerns and provided with an opportunity to present his or her understanding and explanation of the situation. Students who elect not to participate in the review will be subject to dismissal from the program.

Students who participate in the review process may face alternative courses of action that may include, but are not limited to, developing an action plan to address the problem, being placed on probation, taking a temporary leave of absence, or being dismissed from the JCSU MSW program. Students who participate in the review process will not automatically have their academic violation decisions overturned. Rather, presentation of the student's grievance will be considered on the grounds of the arguments presented and the circumstances of their academic violation. If a decision is made to dismiss the student, they will be given a letter detailing the rationale behind the decision.

MSW students have the right to appeal decisions made through the review process. Students who wish to appeal a decision made during a graduate social work review may file a formal appeal with the Dean of the School of Social Work.

University Honors

A Dean's List, consisting of students who have earned a GPA of 3.0 or higher, is published each year. Only students who are registered for a minimum of 15 credit hours and have not received an incomplete grade for the semester in question will be considered. Students who have earned a GPA of 4.0, have a minimum of 15 semester hours, and have not received an Incomplete for the semester in question are designed as Presidential Scholars. These names are also published yearly.

Graduation

All graduation requirements must be completed and officially documented in the Office of the Registrar for a student to participate in the University's graduation activities. A student with a financial balance may participate in commencement but will not receive his or her diploma. The Office of the Registrar will hold a diploma for any student who has completed his or her degree requirements for one year after conferral. After such time, the diploma will be purged and a reissue request with payment will be required.

Attendance Policy

Johnson C. Smith University has no official attendance policy; however, because class attendance is a vital part of the educational process, students are encouraged to attend classes regularly and promptly.

Johnson C. Smith University Honor Code

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

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

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

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

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

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

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

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

Dress Guidelines

Shirts/tops must be worn at all times while in public or the University's common areas. Attire must not display obscene, profane, lewd, illegal, or offensive images or words. Dress must be in good taste and appropriate for the occasion or setting. Sleepwear or head wraps shall not be worn while in public, in the University's common areas, or at University-sponsored activities or events. No visible underwear or undergarments should be shown in public or in any common area of the University or University-sponsored activities or events. The exception to this policy is for residence hall fire drills and other evacuation.

For formal events, the University adheres to a gender-neutral dress policy. Such events include, but are not limited to, formal dining events, pageants, and those which, when announced, indicate that dress guidelines apply. Students who fail to comply with these guidelines for such events will be denied admission.

- Dress pants or dress skirts.
- Collared shirts or blouses.
- Ties, if worn, must be dark in color.
- Dress shoes must be appropriately formal and dark in color.
- Religious headwear, if worn, must be dark in color.
- Artificial body adornments/jewelry and body art alterations are a personal choice. Designated officers of the University reserve

the right to ask a student to remove or cover anything deemed inappropriate for formal events.

For Baccalaureate, Commencement, and any other event at which graduation gowns are worn, pants or skirts that show below the hem of the gown must be dark in color; collared shirts that show above the neckline of the gown must be white.

Policy on Disruptive Behavior

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

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

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

Course Examinations

Semester or Term Examinations

All students are required to take the final examination in each course for which he or she is properly enrolled. Exceptions to this rule are granted by the Department Chair and Deans. The final examination must not account for more than 25% of a course's final grade. Failure to take a final examination does not guarantee a grade of I in a course.

Mid-Semester Test

All students are required to take the mid-semester test(s) in each course for which he or she is properly enrolled unless otherwise specified by the instructor.

Policy on Incompletes

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

If the instructor and student agree that an Incomplete is appropriate, the instructor will complete a Record of Incomplete Form when the grade is submitted. This form documents the reason for the incomplete grade, the requirements for resolving it, and the date by which it must be resolved. This date may not exceed six weeks into the next semester (three weeks into the next term for students in the Evening and Online Program) or one calendar year (for students receiving an Incomplete **grade in** courses related to their Senior Investigative Paper). The original copy of this communication must be submitted to the Office of the Registrar, with copies going to the student and the instructor.

An instructor may request a deadline extension by submitting a request to the Office of the Registrar. This deadline may not exceed three consecutive semesters or the student's anticipated graduation date, whichever is earlier.

Resolving an Incomplete

When a student completes the requirements specified on the Record of Incomplete Form, the instructor must submit the appropriate grade.

A student who does not remove the grade within the timeframe specified above will receive the alternate grade assigned by the instructor.

All incomplete grades must be removed prior to any student graduating from the University.

Repeating of Courses

Except in cases specifically and explicitly outlined in course and program descriptions, 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 may not retake a failed JCSU course(s) at another college or university without prior approval from his or her College Dean. This exception may not exceed a total of 13 credit hours throughout the duration of the students' academic catalog in which he or she entered.

Dropping Courses

A student may drop a course during the drop period and receive a letter grade of W.

Abandoning a Course(s)

A student who simply stops attending a class, after initial attendance, may receive a failing grade for the course and will be financially responsible for all charges associated with the course(s). Abandoning a class may impact a student's eligibility for federal financial aid.

Withdrawals

Student Withdrawal Policy

Official Withdrawal

Students may officially withdraw from the University up to the last day designated on the Academic Calendar to drop classes. Before initiating the withdrawal process, students should consult with their advisor to discuss the reason(s) for the withdrawal and develop a plan for degree completion. To withdraw from the University, a student must obtain an Official Withdrawal Form from the Office of the Registrar or download one from the JCSU web portal. The student should complete the form and submit it to the Office of the Registrar where it is placed in the student's permanent record. Failure to properly withdraw from the University may result in a grade of **F** for all courses in which the student was enrolled that semester.

Medical Withdrawal

When issues related to a student's health prevent him or her from continuing, it is the intent of the university to provide a mechanism whereby the student may withdraw from their studies and return to the university when able. In those circumstances where a student's health cause a student to pose a threat to others or significantly pose a threat to themselves, this policy allows the University to involuntarily withdraw a student from the university.

This policy applies to all undergraduate and graduate students at Johnson C. Smith University and is applicable for the entirety of the academic calendar, including summer semester. Procedures established by the University Health Center, Division of Health and Wellness and the Department of Athletics will be followed to determine the need for a Medical Withdrawal and/or impact of medical issues for student's re-enrollment.

Medical Withdrawal Procedures

1. Students who seek to withdraw from the University due to a physical or mental health condition must contact the Director of Health Services, Dean of the Division of Health and Wellness, or the Department of Athletics, Team Sports Doctor to discuss their intention to medically withdraw.
    a. All students should be aware that a medical withdrawal may impact financial aid adjustments and should contact the Office of Financial Aid separately to discuss concerns.
2. If a medical withdrawal is an appropriate option based on the student's meeting with the University doctor, Dean of the Division of Health and Wellness, Team doctor or designee, the students will be advised to submit a Medical Withdrawal Request form, which may be obtained from the JCSU Web Portal.
    a. If the student's health condition is being managed by a clinician or medical provider outside of the University, the treating provider(s) must complete the bottom of the withdrawal form with dates of service and information regarding the student's date to return to the University. In addition, the form must contain the student and provider's signature for the purpose of verifying that the condition warrants consideration for a full medical withdrawal. Any information not provided may cause a delay or inability to make the appropriate health-related determination upon student's return.
3. Students who are granted a withdrawal after the close of the add-drop period because of physical or mental health will receive a "W" for all courses attempted during that semester or sub-term.
4. In situations where there are unresolved issues related to a student's behavior/conduct and/or financial obligation to the university, a hold may be placed on the student record at the time of withdrawal.
5. Undergraduate and Graduate students receiving any financial aid should consult with the Office of Financial Aid about the potential financial impact of withdrawing. Any adjustments to the student's account will be made in accordance with university policy.

Involuntary Withdrawal Process

1. The University may involuntarily withdraw a student or place conditions for continued attendance when, as a result of a student's health condition, any or all of the following exist:
    a. The student threatens the safety of others;
    b. The student causes or threatens to cause significant property damage;
    c. The student significantly disrupts the activities of the Johnson C. Smith University community.
2. The Dean of the Division of Health and Wellness will consult with the appropriate medical and/or psychological resources and may involuntarily withdraw a student from the University or place conditions on the students continued enrollment.
3. If a student is involuntarily withdrawn from the University, the Dean of the Division of Health and Wellness, in consultation with appropriate campus resources, will decide the length of separation from the University and describe the conditions under which the student may seek to return. The Office of the Registrar will place a Medical Withdrawal Hold on the student's record until the student has been granted readmission.
4. Students involuntarily withdrawn from class after the add-drop period will receive a W for all courses attempted during that semester.

Re-enrollment from a Medical Withdrawal

It is the University's intention to support students in a successful return to the university community when physical or mental health has necessitated withdrawal. Therefore, students readmitted to the University after a medical withdrawal will follow the following procedures:

1. Students wishing to return to the university following medical withdrawal should complete the following steps, ideally 45 days prior to the semester start date:
    a. Notify the Director of the University Health Center, Dean of Health and Wellness, or Department of Athletics or designee of his or her desire to return to the university.
    b. Submit a copy of a medical release form to the Director of Health Center, Dean of Health and Wellness, or Department of Athletics, Compliance Officer.
    c. Address any holds that may have been placed on their account by contacting the appropriate office(s) that may have placed a hold.
2. Policies related to academic progress and standards may be considered in determining the readiness to return.
3. Students are encouraged to meet with supportive resources including Director of the University Health Center, Dean of Health and Wellness, and/or Department of Athletics or designee.

Administrative Withdrawal Policy

Current Balances

Any student who has not paid or does not expect to have sufficient funding to cover his or her outstanding account balance prior to the financial clearance deadline on the Academic Calendar may be subject to the Administrative Withdrawal Policy and Academic Withdrawal. To complete the financial clearance process, the Office of Student Accounts payment.

Examples of acceptable financial sources include:

- Any combination of approved student loans,
- Approved parent loans,
- An accepted University Payment Plan: monthly payment plan contract and down payment has been made,
- Documented federal and state aid.

If the student is not able to demonstrate a financial plan, he or she will be administratively withdrawn (i.e., the student will not be allowed to attend classes, rehearsals, auditions or participate in any other University student activities.) In addition, he or she will not be allowed to move into a Residence H use a meal plan.

If a student is reported as attending a course(s), they will be academically withdrawn from the course and receive a **W** on the official academic transcript.

Outstanding Balances from Prior Semester

A student with an outstanding balance from a prior semester will not be allowed to register for the next semester until the prior outstanding balance has been paid. If a student is registered prior to having the prior balance hold placed on their account, the student is subject to the Administrative Withdrawal Policy.

Outstanding Balances during the Semester

If the student's financial aid eligibility changes or if the student's financial awards require recalculation due to a change in the student's course schedule, the student will be responsible for the balance created on their student account. If the student does not receive financial aid or withdraws prior to receiving their financial aid, all outstanding charges, including books and other fees, will be the student's financial responsibility.

It has been and remains the policy of Johnson C. Smith University to withhold diplomas, degrees, official transcripts students with any outstanding debts to the University. This policy includes, but is not limited to, amounts owed in satisfaction of tuition, loan agreements, fees, and charges, as well as monies owed for occupancy in residences and food service. No student with an outstanding balance, including library fines, will be allowed to receive their diploma or degree during the commencement. Any student who does not fulfill the financial commitments to which they agreed may be subject to the Administrative Withdrawal Policy.

Hold Policy

Students with outstanding financial obligations to the university (e.g., fine, tuition, materials, or financial aid) may have a hold placed on educational records. If a student has a hold, s/he will not be able to request or receive an official transcript of his/her academic record.

Holds may also be placed if a student fails to provide documentation (e.g. official transcripts, proof of identification, immunization records, judicial information, etc.) to complete their academic and/or student record. A hold may be placed if a student has failed to meet academic standards established by University policy, student housing policy, or State Immunization requirements.

All university holds may prohibit students from registering for a subsequent semester.

Transfer of Credit

United States Transcripts

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 following regional accrediting organizations and TRACS and offer courses equivalent to those at JCSU:
   a. Accrediting Commission for Community and Junior Colleges (ACCJC)
   b. Higher Learning Commission (HLC)
   c. Middle States Commission on Higher Education (MSCHE)
   d. New England Commission on Higher Education (NECHE)
   e. Northwest Commission on Colleges and Universities (NWCCU)
   f. Southern Association of Colleges and Schools Commission on Colleges (SACSCOC)
   g. WASC Senior College and University Commission (WSCUC)
   h. Transnational Association of Christian Colleges and Schools (TRACS)
2. The student must secure approval of transfer credit in writing from instructors, advisors, Chairs of the Departments at JCSU, and the Office of the Registrar by obtaining the proper signature on a Transfer of Credit form before enrolling in the course. The form can be obtained from the Office of the Registrar and, after being properly executed, should be returned there. Elective credits may be received for certain courses that do not correspond to any offered at JCSU, provided approval is first received from the appropriate Department Chair and Registrar.
3. Approved courses in which the student receives a grade of C or better are transferable. Quality points and grades are not transferable; credit hours are transferable. Credit will not be accepted for courses where a grade below **C was** earned.
4. Typically, no more than 15 hours may be transferred during a given semester.
5. The maximum number of credit hours an undergraduate student may take in any consortium or transient period is fifteen. If an undergraduate transfer student is approved to take course work at another university in a consortium and/or or as a transient, he or she is still required to complete a minimum of 25% of their credit hours at Johnson C. Smith University.

International Transcripts

Academic transcripts submitted to the Office of the Registrar for evaluation should be certified original documents. Documents in a language other than English must be accompanied by an official English translation. Students requesting credit for specific JCSU course equivalencies need to include detailed course descriptions (in English) with their transcript or evaluations from a nationally recognized educational evaluation service for consideration (e.g. WES or IEE).

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 three (3) or above will be accepted for college credit. Students may receive additional credit hours if scores are four (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.

International Baccalaureate Credits

JCSU recognizes the International Baccalaureate Diploma Program. Examinations of the International Baccalaureate Program (IB) will be awarded college credit and advanced placement in the areas considered equivalent to Johnson C. Smith University courses provided the student earns a four (4) or higher. JCSU recognizes the following courses from the IB subject groups:

- Group 1 (Best Language) – Language A1
- Group 2 (Second Language) – Modern Languages, Classical Languages

- Group 3 (Individuals and Societies) – Business and Management, Economics, Geography, History, Philosophy, Psychology, Social Anthropology
- Group 4 (Experimental Sciences) – Biology, Chemistry, Physics
- Group 5 (Mathematics) – Mathematics HL, Computer Science
- Group 6 (Arts) – Visual Arts, Music, Theatre Arts

Acceptable scores will be determined by the respective department(s). Each subject will be awarded elective or general education credit and will be equivalent to one semester of credit or four semester hours. Awarding credit towards the major is at the discretion of the Department Chair. The maximum number of IB credit hours a student can earn toward fulfilling graduation requirements is 16.

Placement Tests

Placement tests are administered by the University to students in Mathematics, Spanish, French, and the Natural Sciences. Students achieving required competency levels on one or more examinations will be placed in upper level courses in that disciple or exempted from enrolling in selected University required courses.

Grade Reports

A student may view his or her midterm or final grade by logging into the JCSU Web Portal. In general, grades can be viewed by advisors and students in the JCSU Web Portal. Only semester final grades are permanently recorded.

Permanent Records Folder

The permanent records folder includes but are not limited to:

- application for admissions,
- the original copies of all registration forms,
- drop/add forms,
- Incomplete removal,
- transcript evaluations,
- official transcripts,
- name change documents,
- proof of identification,
- grade changes and
- application for degree.

Advanced Placement Examination Equivalency Chart

AP Examination	JCSU Course(s) Equivalents	Number of Credit Hours Received
Art History	Humanities Electives	6
Studio Art	Humanities Electives	3
Biology	BIO 143 and BIO 144	8
Calculus AB	MTH 231 (score of 3 or above) MTH 232 (score of 4 or 5 only)	3
Calculus BC	MTH 231-MTH 232 (score of 3 or above) one-hour MTH elective (score of 4 or 5 only)	6
Chemistry	CHE 131, 111, and CHE 132, 112	8
Computer Science A	CSC 131	3
Computer Science AB	CSC 131 and 230	6
Macroeconomics	ECO 231	3
Microeconomics	ECO 232	3
ENG Language and Composition	ENG 131 and 296	6
ENG 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	6
Physics B	NSC 140	4
Physics C (Mechanical)	PHY 243	4
Physics C (Electricity and Magnetism)	PHY 244	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

Transcripts

Official transcript requests can be made through the National Student Clearinghouse at www.studentclearinghouse.com (https://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 Office of the Registrar. The classifications are:

- **Seniors:** Students who have, unconditionally, at least 90 credit hours of coursework.
- **Juniors:** Students who have, unconditionally, at least 60 credit hours of coursework.
- **Sophomores:** Students who have, unconditionally, at least 30 credit hours of coursework.

- **Freshmen:** All students, not registered as special, who have less than 30 hours of coursework.

Family Educational Rights and Privacy Act (FERPA)

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

Parents and guardians have certain rights with respect to their children's education records. However, under FERPA, these rights transfer to the student when he or she reaches the age of 18 or attends a school beyond the high school level. At JCSU, a student's education record consists of:

- Permanent Academic Record Folders and Transcript of Grade Student Personnel Records,
- Disciplinary Records,
- Student Accounts (Business and Financial Affairs),
- Financial Aid Records,
- Medical Records,
- Admissions Records,
- Counseling Records,
- Placement Records, and
- Academic Advisement Records.

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

Student Records

Student record information is confidential and private. In accordance with both federal law (FERPA) and University policy, the University does not release student record information without prior written consent of the student. The one exception to this is that the University may release "directory information" items without prior student consent. Directory information is defined as that information which would not generally be considered harmful or an invasion of privacy if disclosed. Designated directory information at Johnson C. Smith University includes the following:

- Name
- Address (local, permanent residence and electronic mail)
- Telephone number
- Class level (semester class or level: first-year, sophomore, junior, senior, etc.)
- Major
- Student activities
- Dates of attendance
- Enrollment status (full-time, part-time, or not enrolled)
- Date of graduation
- Degrees and awards received.

Students who do not wish this information made public must complete a Request to Withhold Directory Information Form located on the JCSU web portal and submit it to the Office of the Registrar. The Office of the Registrar will notify other University offices of such request. Students understand that if they withhold directory information, it will not be released to anyone unless the health or safety of an individual is involved.

Record of Immunization Law

Students enrolled in more than four credit hours and who are taking any classes which begin before 5 p.m. Monday through Friday, are required to provide valid documentation of immunization, compliant with North Carolina State Law (NC G.S. § 130A-155.1; NC G.S. § 130A-152). The statute applies to all students except for students residing off-campus and registering for any combination of:

- Evening Courses
- Weekend Courses
- Online Courses
- No more than four-day credit hours in on-campus courses

If at any time the above student changes to: on-campus courses, a course load more than four credit hours, on-campus residence, and/or enrollment in day-time courses, a Certificate of Immunization or record of immunization must be presented on or before the date the person first registers for the semester.

Student Grievance Process

Grievance procedures are available to students to ensure a prompt and equitable resolution of complaints concerning academic and non-academic issues. Please see the section on Written Grievance Process.

Online and Hybrid Courses at JCSU

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

The Learning Management System (LMS) employed by the University is CANVAS.

Students who register for online and/or hybrid courses must be financially cleared at the University for the semester/term in which the course is being offered. Upon financial clearance, students are assigned a unique email and password, and Student Identification Number. Only those students who officially register for a given course are uploaded to CANVAS. Once uploaded, students may be required to log to their University email to accept an invitation to join some, but not all, courses. Logging into CANVAS is the only method of accessing actual coursework for an online or hybrid class. The same process is required for computer-assisted courses, where instructors want to use electronic resources for classroom instruction. Upon entering an online/hybrid course, students have access to the Online Student Handbook that addresses the expectations of academic integrity.

Intellectual Property and Copyright Policy

For specific information on ownership of materials, compensation, copyright issues, patents, and the use of revenue derived from the creation and production of all intellectual property, see the Johnson C. Smith University Policy Manual on Intellectual Property and Copyright Policy. The policy was approved as amended by the Board of Trustees of Johnson C. Smith University in accordance with Board Resolution Number EAC 11-4-16.

Academic Programs

At Johnson C. Smith University, the educational program is continuously under review, and so experimental courses/programs are offered. The University offers the Liberal Studies Program and four academic Colleges/Schools: The College of Business and Professional Studies (which includes the School of Social Work), the College of Liberal Arts; and the College of Science, Technology, Engineering, and Mathematics. Through its academic units, the University confers four types of degree: The Bachelor of Arts, the Bachelor of Science, the Bachelor of Social Work, and the Master of Social Work.

Although it does not house any academic majors or minors, the University College is a coequal college of the university and provides academic enhancement, enrichment, and support opportunities to all students. As such, it is a critical part of the University's commitment to student success and a valuable resource for all students who are seeking to excel or who need occasional help and support.

College	Department	Degrees	Program Type[1]
College of Business and Professional Studies	Business Administration and Public Leadership	Business Administration (B.S.)	Accounting (C), Economics (m), Entrepreneurial Studies (m), Finance (C), International Business (C), Management (C), Management Information Systems (C), Marketing (C), Public Leadership (m), Retail Management (C)
College of Business and Professional Studies	Health and Human Performance	Sport Management (B.S.), Public Health (B.S.)	Exercise and Sport Science (m), Fitness and Wellness Management (m), Health Communication (m), Public Health (M, m), Sport Management (M, m), School Health (m), Sports Coaching (m), Sports Medicine (m)
The College of Business and Professional Studies	The School of Social Work	Social Work (B.S.W), Social Work (M.S.W.)	Social Work (M, m, L)
College of Liberal Arts	Arts and Humanities	Dance (B.A.), English (B.A. — No longer accepting new majors), Music (B.A.), Spanish, (B.A. — No longer accepting new majors)	Arabic (m), Chinese (m), Dance (m), English (M, m), Ethics (m), French (m), Music (M, m), Philosophy (m), Religion (m), Spanish (M, m)
College of Liberal Arts	Social Sciences and Interdisciplinary Studies	Criminology (B.A.), Cultural Studies (B.A.), History (B.A. — No longer accepting new majors), Interdisciplinary Studies (B.A.), Political Science (B.A.)	Africana Studies, Criminology (M, m), Cultural Studies (m, m), Cyber-Intelligence and Technology (m), Global Studies (m), History (M, m), Interdisciplinary Studies (M, m), Political Science (M, m), Pre-Law (m), Sociology (m)
College of Liberal Arts	Rhetoric and Communication Studies	Communication Arts (B.A.), Visual and Performing Art (B.A. — No longer accepting new majors)	Animation (m), Communication Arts (M, m), Fine Art (m), Film (C), Graphic Art (C), Sound Art (C) (m), Studio Art (C), Theatre (C, m), Visual and Performing Arts (M)
College of Science, Technology, Engineering and Mathematics (STEM)	Computer Science, Engineering, and Mathematics	Computer Engineering (B.S.), Computer Science/ Information Systems (B.S.), Information Systems Engineering (B.S.), Mathematics (B.S.)	Bioninformatics (m), Computer Engineering (M), Computer Science (M, m), Cyber Security (m), Data Science (m), Mathematics (M, m), Mathematical Finance (C),
College of Science, Technology, Engineering and Mathematics (STEM)	Natural and Behavioral Sciences	Biology (B.S.), Chemistry (B.S.), Psychology (B.A.), Mathematics (B.S.)	Biology (M, m), Chemistry (M, m), Psychology (M, m), Sustainability (m)

[1] Concentration [C]
Licensure [L]
Major & Minor [M]
Minor Only [m]

The University reserves the right to alter, revise, or eliminate any academic program it deems necessary.

Liberal Studies

The Liberal Studies Program is a constitutive part of the Johnson C. Smith University educational experience. In line with the institution's mission, the program is designed to graduate students whose skills allow them to communicate effectively, think critically, and learn independently as well as collaboratively. Considering the vision of the university as a Premier Independent Urban University, the Liberal Studies Program also provides exposure to a number of areas that allow students to engage with the world at large and that help them to answer fundamental questions about their own identity and their place in the world.

The Liberal Studies Program consists of two elements. The required courses in the Foundations improve students' proficiency and ease with skills that are *Prerequisites for* life-long professional success and personal satisfaction. The Pillars, the second element of the Liberal Studies Program, constitute a distributional collection of requirements that allow flexibility and choice. While the Pillars are both supported and pervaded by the skills that are the main focus of the Foundations, the Pillars provide engagement with diverse ways of knowing the world. Immersion into various disciplines and fields of knowledge enables students to appreciate how questions about the world, about self, about traditions and values can be answered in different ways. Students will have opportunities to discover the way(s) in which they, as individuals, can best make sense of the world and how they can articulate this meaning to themselves and to others.

Liberal Studies Course Designation Key

- LSF: Foundations course
- LSP. Pillars course

Foundations Requirements

- CS: Computers in Society;
- HP. Health and Physical Education;
- MT: Mathematics;
- NL: Non-Native Language;
- SS: Smith Seminar;
- RH: Rhetoric

Pillars Requirements

- HU: Humanities;
- IG: Integrated Studies/Global Studies;
- NS: Natural Sciences;
- SB: Social and Behavioral Sciences;
- VP. Visual, Performing, and Physical Arts

Foundations

Unless exempted through placement testing, students are required to complete the course requirements listed below. The common objective for each is to enable students to acquire confidence in skills that are necessary for life-long professional success and personal satisfaction.

Computers in Society (3 hours)

CSC 131 Computers in Society
3.00 credit hours
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.

Health and Physical Education (3 hours)

HED 132 Personal Health and Wellness
3.00 credit hours
HED 132- Personal Health and Wellness Three Credit Hours A lecture and physical activity course focusing on topics such as Preventive health care, nutrition, physical activity, coping in today's Society, decision making, diseases, drugs, love and the human life Cycle.

PED 131 Aerobic Fitness
3.00 credit hours
PED 131 Aerobic Fitness Three credit hours This course incorporates the basic principles of cardiovascular conditioning through low and high impact moves and intensities. Classes will include kickboxing, boot camp, step aerobics, and circuit training, combined with stretching, muscle toning and abdominal work. This course will be part lecture and part activity to promote overall physical fitness and wellness. Students will learn to participate in aerobic combinations helping to improve their cardiovascular system, have a better understanding of weight control, determine their body composition and current cardiorespiratory and muscular fitness levels, and select a safe and appropriate aerobic program. This course satisfies the Foundation requirement in the Liberal Studies Program.

PED 136 Physical Fitness and Wellness
3.00 credit hours
PED 136 Physical Fitness and Wellness Three credit hours This course is designed for students to participate in physical activity. It involves the interaction and participation of aerobic fitness and conditioning exercises that emphasize cardiovascular endurance, muscular endurance, muscular strength, body composition, flexibility and stress management through yoga practice. The course promotes healthy living that encompasses wellness and science-based approach towards the field of nutrition, exercise, health promotion and disease prevention. This course satisfies the Foundation requirement in the Liberal Studies Program.

Mathematics (3 hours)

MTH 131 College Algebra
3.00 credit hours
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 133 Survey of Practical Applica of Math
3.00 credit hours
MTH 133: Survey of Practical Applications of Mathematics 3 credit hours This course explores practical applications of mathematics in daily life. Students are introduced to linear, quadratic, exponential, and logarithmic functions and some of their many applications. Students are exposed to fundamental principles of probability and descriptive statistics including regression. students also learn how to construct and interpret graphical representations of data. Boolean logic, Venn diagrams, and basic principles of mathematical finance are also covered. Word problems are used extensively to help develop problem-solving and critical-thinking skills that can be routinely applied in daily life. Whenever possible, technology (including calculators and software applications) are used to illuminate the concepts covered in the course and assist problem solving.
Prerequisites: MTH 130 or placement

MTH 137 Precalculus I
3.00 credit hours
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.
Prerequisites: MTH 131 or by placement or consent of Department

MTH 138 Precalculus II
3.00 credit hours
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.
Prerequisites: MTH 137 or by placement or consent of Department

MTH 231 Calculus I
3.00 credit hours
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.
Prerequisites: MTH 138 or by placement

MTH 232 Calculus II
3.00 credit hours
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.
Prerequisites: MTH 231

The University-Wide Non-Native Language Requirement

All JCSU students are required to satisfy the 131-132 sequence of a non-native language either by passing or placing out of the courses. All students who have studied a non-native language prior to matriculating are recommended to take a placement examination in that language. According to their scores, students will be placed in the 131, 132, 231, 232 sequence of the language studied. Students who place in 231 or 232 will have satisfied the non-native language requirement of the General Education 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 non-native languages as electives. The language requirement can be met by one of these sequences:

Code	Title	Hours
ARA 131 & ARA 132	Elementary Arabic I and Elementary Arabic II	6
CHI 131 & CHI 132	Elementary Chinese I and Elementary Chinese II	6
FRE 131 & FRE 132	Elementary French I and Elementary French II	6
GER 131 & GER 132	Elemenatary German I and Elementary German II	6
GER 135	Intens Intro German	6
ITA 131 & ITA 132	Elementary Italian I and Elementary Italian II	6
ITA 135	Intensive Introductory Italian	6
LAT 131 & LAT 132	Elementary Latin I and Elementary Latin II	6
LAT 135	Intensive IntroductoryLatin	6
SPA 131 & SPA 132	Elementary Spanish I and Elementary Spanish II	6

Students who wish to satisfy the language requirement with a language other than those listed may take the equivalent of 131 and 132 at another college or university and submit them as transfer courses via the procedures outlined above.

Non-Native Language (6 credit hours)

ARA 131 Elementary Arabic I
3.00 credit hours
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.

SPA 132 Elementary Spanish II
3.00 credit hours
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.
Prerequisites: SPA 131 or placement by examination

CHI 131 Elementary Chinese I
3.00 credit hours
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
3.00 credit hours
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.
Prerequisites: CHI 131 or placement by examination

FRE 131 Elementary French I
3.00 credit hours
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
3.00 credit hours
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.
Prerequisites: FRE 131 or placement by examination

GER 131 Elemenatary German I
3.00 credit hours
GER 131 - Elementary German I Three Credit Hours This course is designed for students without prior knowledge of German. We will begin the survey of German vocabulary and grammar to develop the skills of reading, listening, writing and speaking German. In addition, we will begin to learn the German culture.

GER 132 Elementary German II
3.00 credit hours
GER 132 Elementary German II Three credit hours This course continues the introduction to German. We will learn additional vocabulary and grammar to broaden our ability to read, understand, speak, and write German.
Prerequisites: GER 131

ARA 132 Elementary Arabic II
3.00 credit hours
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.
Prerequisites: ARA 131 or placement by examination

ITA 131 Elementary Italian I
3.00 credit hours
ITA 131 Elementary Italian I Three credit hours This course is designed for students without prior knowledge of Italian. We will begin the survey of Italian vocabulary and grammar to develop the skills of reading, listening, writing and speaking Italian. In addition, we will begin to learn about the Italian culture. There are no
Prerequisites: for this course
Liberal Studies Foundation: NF ITA 132

ITA 132 Elementary Italian II
3.00 credit hours
ITA 132 Elementary Italian II Three credit hours This course continues the introduction to Italian. We will learn additional vocabulary and grammar to broaden our ability to read, understand, speak and write Italian.
Prerequisites: ITA 131
Liberal Studies Foundation: NF

ITA 132 Elementary Italian II
3.00 credit hours
ITA 132 Elementary Italian II Three credit hours This course continues the introduction to Italian. We will learn additional vocabulary and grammar to broaden our ability to read, understand, speak and write Italian.
Prerequisites: ITA 131
Liberal Studies Foundation: NF

ITA 135 Intensive Introductory Italian
6.00 credit hours
ITA 135 Intensive Introductory Six credit hours This intensive course covers Elementary Italian I and Elementary Italian II in one semester. It provides and introduction to Italian by emphasizing vocabulary and grammar to develop the skills of reading, listening, writing and speaking Italian. In addition, we will begin to learn about the Italian culture.
Liberal Studies Foundation: NF

LAT 131 Elementary Latin I
3.00 credit hours
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
3.00 credit hours
LAT132 Elementary Latin II Three 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 135 Intensive IntroductoryLatin
6.00 credit hours
LAT 135 Intensive Introductory Latin 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.

SPA 131 Elementary Spanish I
3.00 credit hours
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.

Smith Seminar (3 hours)

SMS 100 Smith Seminar
3.00 credit hours
SMS 100 – Smith Seminar Three Credit Hours This course is designed to meet the needs of first year students at Johnson C. Smith University, including entering freshman as well as transfer students. The course aims to foster academic success, facilitate student engagement and connection with JCSU experience, and to prepare and assist students in their personal growth and development as they forge intellectual and professional identities. This course satisfies a foundation requirement in Liberal Studies curriculum.

Rhetoric (9 hours): Public Speaking (3 hours), Composition (3 hours) and Academic Research (3 hours)

COM 130 Public Speaking and Communication
3.00 credit hours
COM 130 Public Speaking and Communication Three credit hours A practical communication course in public speaking and professional communication in various public and professional settings and platforms. (Formerly COM 130 Fundamentals of Speech). Note: Students must receive a grade of C or higher.

ENG 131 Composition
3.00 credit hours
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.

RHC 133 Academic Research
3.00 credit hours
RHC 133 Academic Research Three credit hours This course introduces a variety of academic writing styles from various disciplines to develop rhetorical skills in writing clear, purposeful, and effective prose in an academic context. Students will learn how to develop an effective research question/thesis, conduct a literature review, compile an annotated bibliography and outline, and produce an APA-formatted research paper grounded in this research. The course focuses on developing analytical reading skills in an academic context, as well as critical thinking and written communication skills related to conceiving and executing an investigative research paper. Students must receive a grade of C or higher.
Prerequisites: ENG 131

Pillars

Students are required to complete the requirement for each of the Pillars by choosing from among the courses listed within a Pillar. In addition, students are required to complete an additional three (3) credit hours by selecting courses from any of the five Pillars. The common objective for the Pillars is to introduce students to various traditions and fields of inquiry that human beings continue to use to explain, organize, and interpret the world and their place in it.

Some major programs may require students to take particular courses within some or all of the pillars for reasons of program accreditation. Students are encouraged to have detailed conversations with their academic advisor about how to make the best choice(s) that satisfy both student interest and requirements within a given major.

Humanities (3 hours)

Completion of this requirement enables students to understand the human condition as it is expressed in various media, such as, for example, writing, art, and music. An introduction to the working methods of philosophers, historians, literary critics, or other practitioners in related areas enables students to appreciate the ways in which the humanities attempt to answer important questions. Students gain knowledge and acquire vocabulary to help them frame appropriate questions, formulate theses, and analyze these to assess their validity and purpose.

CST 231 Intro to Cultural Theory
3.00 credit hours
CST 231 Introduction to Cultural Theory Three credit hours This course introduces students to a range of theories and interpretive strategies central to the field of cultural studies. Topics include: defining and contesting “popular” culture, race and representation, gender and sexuality, Marxism, structuralism and post-structuralism, postmodernism and post-colonial theory.
Prerequisites: CST 131

CST 234 Introduction to Pop Culture
3.00 credit hours
CST Intro to Popular Culture Three Credit Hours Drawing on work in the field of Cultural Studies, this course introduces students to a variety of theoretical approaches to the study of popular culture. Students will survey a range of definitions and theories related to mass media and popular culture that focus on issues of ideology, power, and identity formation across a variety of sites, including film, television, popular music, social media, and digital gaming,
Prerequisites: CST 131 or Co-Requisite CST 231

CST 332 Rapsody's Eve and Hip-Hop Feminism
3.00 credit hours
CST 332 Rapsody's Eve and Hip-Hop Feminism Three Credit Hours In this course, students will explore the roots and routes of hip-hop feminism through Rapsody's 2019 release EVE. Eve's tracklist features tracks title with names of significant black women through history. Through critical readings, discussion, and multimedia expression, we will examine the history behind Rapsody's artistic representation of these women. This course features a particular focus on the roots of feminist thought among Black North Carolinians, including examination of the legacies of North Carolina artist and thinks like Nina Simone, Anna Jula Cooper, and Roberta Flack. Additionally, students will look at hip-hop's history to engage with albums from women hip hoppers in multiple eras. Using critical reading and listening skills, students will present original research on hip-hop history, hip-hop feminist criticism, and critical theory.

ENG 232 Studies in World Literature
3.00 credit hours
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).
Prerequisites: ENG 132

ENG 296 Topics in English
3.00 credit hours
This course provides a sophomore-level examination of a particular topic in language or literature. The course may be repeated for credit in cases where students take courses in different topics.
Prerequisites: a grade of C or better in ENG 131 or equivalent placement

ENG 320 The Arthurian Cycle: Early Material
1.00 credit hours
ENG 320: The Arthurian Cycle: The Early Material to the Romances Once credit hour An examination of the Arthurian Tradition's origins and development from the Welsh Triads, the Mabinogion, and Gawain and the Green Knight, through Geoffrey of Monmouth and Chretien de Troyes .

ENG 321 The Arthurian Cycle: Mallory
1.00 credit hours
ENG 321: The Arthurian Cycle: Mallory One credit hour An examination Mallory's Le Morted'Arthur, its sources, and historical context.

ENG 322 The Arthurian Cycle: Later Interpr.
1.00 credit hours
ENG 322 C: The Arthurian Cycle: Later Interpretations One credit hour An examination of post-Mallory interpretations of the Arthurian cycle, which may include Tennyson, T. H. White, J. R. R. Tolkien, and the film Excalibur .

ENG 323 Writing for Social Media: Short Frm
1.00 credit hours
ENG 323: Writing for Social Media: Short Form One credit hour An examination of short form writing for Social Media (e.g., memes and Twitter). This includes both an examination of this kind of writing, the practice and application of this kind of writing, and the ethics involved in this kind of writing (e.g., who has the right to an image used in a meme).

ENG 324 Writing for Social Media:Standard
1.00 credit hours
ENG 324: Writing for Social Media: Standard Form One credit hour An examination of standard writing for Social Media (e.g., Facebook posts, blog posts, and comments found appended to articles-- like news reports). This includes both an examination of this kind of writing, the practice and application of this kind of writing, and the ethics involved in this kind of writing (e.g., cyberbullying).

ENG 325 Writing for Social Media: Long Form
1.00 credit hours
ENG 325: Writing for Social Media: Long Form One credit hour An examination of long form writing for Social Media (e.g., full length articles designed for socially driven sites like The Huffington Post). This includes both an examination of this kind of writing, the practice and application of this kind of writing, and the ethics involved in this kind of writing (e.g., "link -bait" headlines, how and when should online writers be paid).

ENG 331 Advanced Composition
3.00 credit hours
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.
Prerequisites: ENG 234

ENG 333 British Literature
3.00 credit hours
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.
Prerequisites: ENG 234 or consent of instructor

ENG 334 British Literature II
3.00 credit hours
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.
Prerequisites: ENG 234 or consent of instructor

ENG 335 American Literature
3.00 credit hours
ENG 335-336 American Literature Three credit hours each A survey of American literature from selected works of the Colonial Period to the present time. (Offered Alternate Years)
Prerequisites: ENG 234 or consent of instructor

ENG 336 American Literat II
3.00 credit hours
ENG 335-336 American Literature Three credit hours each A survey of American literature from selected works of the Colonial Period to the present time. (Offered Alternate Years)
Prerequisites: ENG 234 or consent of instructor

ENG 337 Creative Writing
3.00 credit hours
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 350 Dark Age & Medieval Lit of Britain
1.00 credit hours
ENG 350: The Dark Age and Medieval Literature of Britain One Credit Hour A study of the canonical works of literature in Old and Middle English.

ENG 351 Eng Ren Writers other than Shakespe
1.00 credit hours
ENG 351: English Renaissance Writers other than Shakespeare One Credit Hour A study of Shakespeare's contemporaries in the English Renaissance.

ENG 352 English Civil War, Restor. & Englig
1.00 credit hours
ENG 352: The English Civil War, The Restoration and the Enlightenment One Credit Hour A study of English speaking writers on both sides of the Atlantic from the period of the English Civil War through the Englightenment period.

ENG 353 Romantic and Gothic Literature
1.00 credit hours
ENG 353 Romantic & Gothic Literature One Credit Hour A study of the English Romantics, the Transcendentalists, and writers of the Gothic.

ENG 354 Abolitionist Liter Ameri Civil War
1.00 credit hours
ENG 354: Abolitionist Literature and the American Civil War One Credit Hour A study of slave narrative tradition and the literature surrounding the American Civil War.

ENG 355 The Gilded Age
1.00 credit hours
ENG 355 The Guilded Age One Credit Hour A study of American writing following the Civil War.

ENG 357 1st World War and Lost Generation
1.00 credit hours
ENG 357: The First World War and the Lost Generation One Credit Hour A study of the World War I writers and the writers of the Lost Generation that came after, and wrote in response to, World War I.

ENG 358 The Harlem Renaissance
1.00 credit hours
ENG 358: The Harlem Renaissance Once Credit Hour A study of the Jazz Age and the writers of the Harlem Renaissance.

ENG 359 The Modernists
1.00 credit hours
ENG 359: The Modernist One Credit Hour A study of the Modernist Movement, as it expressed itself on both sides of the Atlantic.

ENG 360 The Postmodernists
1.00 credit hours
ENG 360: The Postmodernists One credit hour A study of the Postmodernist Movement, as it expressed itself on both sides of the Atlantic.

ENG 361 Contemporary Literatures
1.00 credit hours
ENG 361: Contemporary Literatures One credit hour A study of recent and contemporary works in English from the English speaking world.

ENG 362 Global Slave Narratives
3.00 credit hours
ENG-362-Global Slave Narratives Three Credit Hours This course introduces students to 18th and 19th Century Slave Narratives, autobiographical accounts written by slaves themselves about their experiences of capture, abuse, defiance, and survival within the confines of the peculiar insitution known as slavery. The first hand accounts emanate from counties like Cuba, Puerto Rico, Jamaica, the Dominican Republic,Haiti, the United States, and countries on the African continent. Liberal Studies Pillar: . HU

LS 130 ID: African-American & Other Cul Tr
3.00 credit hours
LS 130 African -American and Other Cultural Traditions Three credit hours African-American and Other Cultural Traditions 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.

MTH 134 Mathematics and Culture
3.00 credit hours
MTH 134 Mathematics and Culture Three credit hours This course explores how mathematics is expressed globally and how it is shaped in different societies (i. e. numbering systems, nature, patterns, art, customs, activities). The topic of Ethnomathematics will be highlighted.

MUS 131 Introduction to Music Literature
3.00 credit hours
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.)

PHI 131 Introduction to Philosophy
3.00 credit hours
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.)

REL 231 Introduction to the Old Testament
3.00 credit hours
REL 231 Introduction to the Old Testament Three Credit Hours This course is a survey of the literature of the Hebrew Bible with readings from the law, prophets and other writings. Emphasis is placed on the use of literary, methodologies that contemporary scholars use to understand Old Testament literature.

REL 232 Introduction to the New Testament
3.00 credit hours
REL 232 Intro to the New Testament Three Credit Hours This course is a survey of the literature of first-century Christianity with readings from the gospels, Acts, and the Pauline and pastoral letters. Topics include the literary structure, audience, and religious perspective of the writings, as well as the historical and cultural context of the early Christian community. Students are introduced to the critical methodologies that contemporary scholars use to understand New Testament literature.

VPD 432 Dance as an Art Form
3.00 credit hours
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.

VPS 233 Art Appreciation
3.00 credit hours
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)

VPT 232 Introduction to Theatre
3.00 credit hours
VPT 232 Introduction to Theatre Three credit hours Study of the theatre as an art form. This course is designed to develop an appreciation of theatre, practicing performance criticism, and studying theatre production processes. (Formerly DRA 232)

Integrated Studies, Global Studies, and Emergent Fields (3 hours)

Completion of this requirement enables students to appreciate the synergy that global perspectives/subjects and different disciplines can bring to a field of inquiry. An introduction to the theoretical and methodological framework of the disciplines studied leads students to understand how theoretical underpinnings determine a discipline's perspective and also how, for emergent studies, there is always need to identify and articulate the theoretical grounding(s) in order to both recognize and creatively approach and solve new problems or questions.

ACC 230 Accounting for Non-Business Majors
3.00 credit hours
ACC 230- Accounting for Non-Business Majors Three credit hours This course introduces Accounting as a language of business for non-business majors. Communication of financial information through financial statements and their major components will be the focus of this course. Students will be exposed to a basic analysis of financial information.
Prerequisites: MTH 131 or higher

ARA 196 Introductory Topic in Arabic
3.00 credit hours
ARA 196 Introductory Topics in Arabic Three credit hours This course provides a freshman-level introduction to a particular topic in Arabic language or literature. The course may be repeated for credit in cases where students take courses in different topics. This course may, at times, be cross-listed with ENG 196.
Prerequisites: A grade of C or better in ENG 131 or ARA 131 or equivalent placement

ARA 296 Topics in Arabic
3.00 credit hours
ARA 296 Topics in Arabic Three credit hours This course provides a sophomore-level examination of a particular topic in Arabic language or literature. The course may be repeated for credit in cases where students take courses in different topics. The four-credit version includes a lab that that examines the topic through Arabic-language texts. This course may, at times, be cross-listed with ENG 296. In addition to these requirements, permission of the instructor may be required for the four-credit version of the course.
Prerequisites: A grade of C or better in ENG 131 or ARA 131 or equivalent placement

BRC 135 Integrated Research and Bibl Method
3.00 credit hours
BRC 135 Integrated Research Three Credit Hours The course examines the theoretical relationship between thought, reading, and writing. with specific attention to ways this relationship underlies learning. Students will receive practical training in special methods and materials of research using theoretical principles to integrate research and documentation source materials. Interdisciplinarity, research topic choice and development, bibliographic selection, and research writing based on interpretive reading will be the primary content focus. This course will be used as a gateway to writing and transitioning students into their respective majors with emphasis on future Senior Thesis and development editing, and revision (using various formats). Upon completion, students should be able to produce a bibliographic and methods tools. In addition, students will reinforce the fields and library research, including the skills of summarization, paraphrasing, and quoting source material.

BRC 230 Topics in Minority Studies Colorism
3.00 credit hours
Topics in Minority Studies

BUS 100 Introduction to Business
3.00 credit hours
BUS 100 Introduction of Business Three Credit Hours This Introduction to Business course explains the world of businesses and their owners, employees, and customers. Emphasis will be given to social responsibility, sustainability, economies of scale, and globalization. Basic business concepts, careers, and the interrelationships and complexities of businesses will be studied, analyzed, and evaluated.

CHI 296 Topics in Chinese
3.00 credit hours
CHI 296 Topics in Chinese Three to Four Credit Hours This course provides a sophomore-level examination of a particular topic in Chinese language or literature. The course may be repeated for credit for cases where students take courses in different topics. The four credit section includes a lab section that examines the topic through Chinese-language texts. This course may, at times, be cross-listed with ENG 296. In addition, a grade of C or better in CHI132, equivalent placement, or permission of the instructor for four credit version of the course.
Prerequisites: A grade of C or better in ENG 131 or CHI 131 or equivalent placement

CSC 133 Web Design
3.00 credit hours
CS 133- Web Design Three Credit Hours This course will cover the basis of Web page and Web site Design. Students will be able to develop platform-independent sites using HTML and CSS.

CSC 134 Computer Science Principles
3.00 credit hours
CSC 134 Computer Science Principles Three credit hours This course introduces students to the foundational concepts of the field and challenges them to use computer science as a platform to positively impact their community. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts both locally and globally. NSP. IG
Prerequisites: None

CSC 236 Intro to Medical Informatics
3.00 credit hours
CSC 236 Intro to Medical Informatics Three credit hours The field of Medical Informatics deals with the storage, retrieval and use of information in health care and medicine. In addition to fundamental principles this course will introduce students to the electronic health records, decision support systems, security issues, information retrieval, bioinformatics, public health informatics, imaging informatics, nursing informatics and consumer health informatics. Upon completion of the course, the students will be able to explain Healthcare data management, electronic medical records, Health IT software, computerized ECG, EEG and EMG, computer assisted medical imaging, and Magnetic Resonance.
Prerequisites: CSC 131
Liberal Studies Pillar: IG

CST 321 Critical Race Theory
3.00 credit hours
CST 321 Critical Race Theory Three Credit Hours This course will examine the political debates in the U.S. over Critical Race Theory (CRT). Students will engage the theoretical routes of CRT as a legal theory to develop a clear definition of its inception and reception. After examining Critical Race Theory proper, students will parse the ways in which CRT now circulates both the Right and the Left to examine the ways in which CRT is deployed in the popular sphere. As such students will also engage the subtle differences between Critical Race Theory - a theoral of legal deconstruction - and Critical Race Studies - a broader academic Interdisplinary perspective.
Prerequisites: RHC 133

CST 232 Introd to Critical Studies in Race
3.00 credit hours
CST 232 Intro to Critical Studies in Race Three Credit Hours Drawing on the work in the field of Critical Studies, this course introduces students to a variety of theoretical approaches to the study of race in the United States. Students will survey the history of Critical Studies in Race in their various philosophical formations. After a historical survey of the field, students will identify how Critical Studies in Race engages the historical scope of various disciplines that critically engage race in popular culture, economics, law, and criminal justice.
Prerequisites: CST 131 or Co-Requisite CST 231

CST 233 Intro to Gender and Sexual Studies
3.00 credit hours
CST 233 Intro to Gender and Sexuality Studies Three Credit Hours This course will provide an overview and analysis of gender and sexuality, focusing on exploring the relationship between gender, gender roles, sexuality, and global social institutions (the economy, family, religion, education). Focus will be given to social institutional changes and social movements.
Prerequisites: CST 131 or Co-Requisite CST 231

ETH 131 Introduction to Ethics
3.00 credit hours
ETH 131 Introduction to Ethics Three Credit Hours This course explores the basic sources and methodologies of selected systems of ethical reasoning from a global perspective and applies them to contemporary problems in individuals and social ethics. This course is cross-listed as PHI 234. There are no
Prerequisites: for this course

HED 336 Death and Dying
3.00 credit hours
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 337 Environmental Health
3.00 credit hours
HED 337 Environmental Health Three credit hours This course examines the physical, chemical, and biological factors external to a person and all the related factors impacting behaviors. It encompasses the assessment and control of those environmental factors that can potentially affect health as they relate to preventing disease and creating health-supportive social and cultural environments

HED 435 Epidemiology
3.00 credit hours
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 439 Queer Studies
3.00 credit hours
HED 439 Queer Studies Three Credit Hours In this course, students will explore the field of queer studies- its relationship to both the lives of lesbian, gay, bisexual, and transgender (LGBT) people and to understanding of broader culture and society. Particular attention will be given to the relationships between discrimination and oppression, and health and wellness. Health disparities in the LGBT population will also be explored. Issues will be explored using interdisciplinary approaches that incorporate the intersecting questions of race, class, gender, and nationality alongside sexuality and gender identity. We will cultivate analytical tools developed out of feminist and LGBT political movements.
Prerequisites: ENG 131

HIS 131 World Civilizations to 1500
3.00 credit hours
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 1500 to present
3.00 credit hours
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.

IDS 296 Sole Food: Digestible Sneaker Cultr
3.00 credit hours
IDS 296: Sole Food: Digestible Sneaker Culture Three Credit Hours This course addresses societal ills, life and identity within that culture, and explores the overall impact and phenomenon of sneakers on a global level. Whether an aficionado of sneaker culture or a contentious observer of the culture, this course examines the true essence of all things sneaker culture. Fulfills the Integrated Studies, Global Studies, Emergent Fields Pillar.
Prerequisites: ENG 131

MTH 135 Mathematics and Personal Finance
3.00 credit hours
MTH 135: Mathematics and Personal Finance 3 credit hours This course explores techniques in successful management of personal finances. Through application of mathematical and critical thinking skills and concepts, it encompasses a broad coverage of basic financial planning and decision making, taxes, managing savings, purchasing a home, the impact of credit, investments and saving for retirement.
Prerequisites: MTH 130 or placement

MTH 233 Mathematics and Speadsheets
3.00 credit hours
MTH 233 Mathematics and Spreadsheets Three Credit Hours This course explores how to use a spreadsheet to enter and analyze data, set up mathematical formulas, and use various mathematical, statistical, financial, and logical functions and formatting for calculating, forecasting, presenting, and integrating data.
Prerequisites: MTH 130 or placement; CSC 131 or equivalent
Liberal Studies Pillar: IG

PLS 235 Global Leadership
3.00 credit hours
This course is designed to introduce students to key concepts and figures of leadership and lead ship development within an international context. As our world becomes more interconnected, it is increasingly important for students to know the leadership paradigms enacted in other nations as well as understand the profiles of some of the planet’s most influential leaders of the present age. This course will take an in-depth look at notions such as emotional health; empowerment theory; organization communication; and the deity complex to examine contemporary figures of global import. This course is reading and writing intensive and may involve international travel. There are no
Prerequisites: or requirements for this course

REL 131 Survey of the Great Living Religion
3.00 credit hours
REL 131 Survey of the Great Living Religions Three credit hours A study of the world!s living religions, including those of Africa, in light of their historical development, beliefs, practices, and contemporary importance.
Liberal Studies Pillar: IG

REL 337 Islam in America
3.00 credit hours
REL 337 Islam in America Three Credit Hours After a brief review of the emergence and development of Islam as a global religion, this course will explore the history of Islam in the United States, taking note especially of the relationship between global Islam and tge Nation of Islam, and the effects of post- September 11th "War on Terror" for the Islamic communities of the United States.
Prerequisites: REL 131

Natural Sciences (4 hours)

Completion of this requirement enables students to understand how the tools of physical and natural scientists, the scientific method, are

used to answer important questions. Students learn to understand basic principles of science and its accompanying technology, to locate and evaluate information about any area of science and technology, and to demonstrate an ability to use scientific methods. Students also will apply their understanding of science and technology to analyze current societal problems and evaluate some of the ethical problems raised by the sciences and by technology.

BIO 143 Intro to Biology I
4.00 credit hours
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.

CHE 131 General Chemistry I
3.00 credit hours
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. Three lectures a week.
Prerequisites: Placement in MTH 137 or higher or passing score on departmental placement exam, or approval of department head

CHE 111 General Chemistry I Laboratory
1.00 credit hours
CHE 111 General Chemistry Laboratory I One credit hour Laboratory course to accompany Chemistry 131. Three hours of lab per week.
Corequisites: CHE 131 or consent of department

CHE 132 General Chemistry II
3.00 credit hours
CHE 132 General Chemistry II Three credit hours A continuation of Chemistry 131. Three lectures a week.
Prerequisites: CHE 131
Corequisites: CHE 112 or consent of department

CHE 112 General Chemistry II Laboratory
1.00 credit hours
CHE 112 General Chemistry Laboratory II One credit hour Laboratory course to accompany Chemistry 132. Three hours of lab per week.
Prerequisites: CHE 111 and 131
Corequisites: CHE 132 or consent of department

NSC 140 Studies in the Natural Sciences
4.00 credit hours
NSC 140- Studies in the Natural Sciences Four Credit Hours In this course students learn about selected areas of the natural science while being guided in the use of scientific procedure and the practice of scientific thinking to collect and analyze data related to selected phenomena. Professional ethics in science and technology is also discussed. This course meets in a classroom setting three hours per week, with up to an additional three hours per week in a lab setting.
Prerequisites: MTH 130 or placement in a higher math

PHY 241 General Physics
4.00 credit hours
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.
Prerequisites: A grade of C or higher in Math 138 or consent of the Department

PHY 243 Mechanics
4.00 credit hours
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.
Prerequisites: A grade of C or higher in Math 231 or consent of the Department

PHY 244 Electrodynamics
4.00 credit hours
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.
Prerequisites: A grade of C or higher in PHY243 and Math 232 or consent of the Department

Social and Behavioral Sciences (3 hours)

Completion of this requirement enables students to understand and evaluate social structures that humans have created to organize the social world in which they live. An introduction to the working methods of social and behavioral scientists enables students to recognize, analyze, and evaluate a variety of social scientific evidence as they learn to apply various analytical approaches, including inductive, deductive, and normative processes. The result is an understanding of the depth and scope of the human experience, helping students to explain how and why humans act and think the way they do and to provide meaningful and substantive context for the intellectual study of the varieties of human experiences from the individual to the collective and the private to the public.

COM 252 Interpersonal Communication
3.00 credit hours
COM 252 Interpersonal Communication Three credit hours The course introduces students to the theory and practice of interpersonal communication, the ultimate goal being to help them develop more effective communication skills in their personal and professional lives. Emphasis is placed on relational communication in personal, social, professional and cultural contexts. Topics include areas such as emotions, communicating with family, communicating at work, verbal and nonverbal communication, listening, and relationship development, maintenance and dissolution.

ECO 230 Economics for Non-Bus and Eco Major
3.00 credit hours
ECO 230-Economics for Non Business & Economics Majors Three credit hours This is an economics course which is designed for students who may or may not be majoring in Business Administration and Economics. The objective of this course is to provide the basic foundation of our economic system in terms of how our economic system determines what to produce, how to produce,and how to distribute the resulting products. This course does not require any
Prerequisites: .

HED 335 Minority Health Problems & Issues
3.00 credit hours
HED 335 Minority Health Three credit hours Problems and Issues 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.

HIS 135 History the United States to 1865
3.00 credit hours
HIS 135 History of the United States to 1865 Three credit hours A study of the United States from European colonization to 1865.

HIS 136 History of the US Since 1865
3.00 credit hours
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.

POL 100 Introduction to Political Science
3.00 credit hours
POL 100- Introduction to Political Science Three Credit Hours This course is an intro-level Political Science course and is designed to be the first exposure to Political Science for students-majors as well as non-majors. It is an introduction to the study of political behavior, processes and institutions. Course includes a discussion and comparison of political ideas, theories, systems and policies. Focus on analysis of political problems on a national and global level, as well as a definition of central concepts. This course is proposed to accommodate the new Liberal Studies program under the pillar Social and Behavioral Sciences. This course will be offered in multiple sections every semester, with no
Prerequisites: .

POL 131 American Government
3.00 credit hours
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 Intro to Political Analysis
3.00 credit hours
POL-230 Intro to Political Analysis Three Credit Hours An introductory study and application of the concepts and methods necessary for an analysis of the political system. (Fall Semester Only)
Prerequisites: POL 131 or permission of instructor

PSY 131 General Psychology I
3.00 credit hours
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.

PLS 135 Principles of Mentoring
3.00 credit hours
PLS 135 Principles of Mentorship Three Credit Hours This course will explore various environments as socio-cultural artifacts. It will serve as an orientation to the mentorship and service and is designed for individuals interested in being involved in youth work. In particular, the course will examine issues and trends within education and other social service professions. Students will contemplate major theories of mentorship and service, as well as historic and contemporary philosophies on mentorship. Further, the course will provide a broad overview of social service professional trajectories, wherein students will learn about the roles of teachers, school leaders, as well as non-profit and social service manager. There are no
Prerequisites: or requirements for this course

Visual, Performing, and Physical Arts (3 hours)

Completion of this requirement enables students to understand, interpret, and evaluate the many ways in which human beings make meaning through non-verbal and per formative means, such as dance and theater. In addition to learning about the tradition of visual and performing arts, students also have opportunities to learn how the human body is used to express meaning and to communicate this meaning to others.

PED 130 Argentine Tango
3.00 credit hours
PED 130 Argentine Tango Dance Three Credit Hours This course will focus on the basics of the Argentine Social Dance known as Tango, and the physical conditioning required to participate in it. It will include the history and roots of the music and the dance. It will also address the etiquette and customs that surround the social dance. No
Prerequisites: are required

PED 135 Rhythm and Dance
3.00 credit hours
Rhythm and Dance Three Credit Hours This course will focus on introducing all levels of students to the practical understand of and participation in various dance forms and creative movement. It will encourage positive self/body awareness, promoting health and encouraging the development of cognitive and intuitive skills as well as increased well –being Finally, it will increase students' global awareness of the role of dance in culture through writing and analysis. This course is accessible for all levels of movers. Prior dance experience is not a This will satisfy the Visual, Performing, and Physical Arts Pillar.
Prerequisites: for this course

PED 138 Yoga: Union of Mind and Body
3.00 credit hours
PED 138 Yoga: Union of Mind & Body Three Credit Hours This course will explore the many dimensions of yoga. Students are introduced to the ancient discipline of personal development that balances body, mind, and spirit. It has three components: an introduction to the history, practice and philosophy of classical yoga & its goals which students explore through study of anatomy & physiology, reading and inquiry; stress management methods; practice of Hatha yoga postures, focused breathing and various forms of medication.

VPD 131 Dance for Non Majors
3.00 credit hours
VPD 131 Dance for Non-Majors Three Credit Hours The purpose of Dance for Non-Majors is to provide the student with an introduction to, or review of, the technique and vocabulary of two or more genres of dance. This course satisfies the Visual, Performing, and Physical Arts Pillar. There are no prequisites for this introductory course. Students will be required to follow a dress properly, and physically participate in class daily. The course may also include written work.

VPD 224 African Dance
2.00 credit hours
VPD 224 African Dance Two credit hours The course provides an introduction to dances, music, and cultures of various regions in Africa with an emphasis on learning authentic dances and their historical and cultural contexts. Students develop strength, aerobic stamina, coordination, flexibility, and rhythmic sophistication by working with master drummers.

VPG 341 Digital Photographic Tech I
3.00 credit hours
VPG 341 Digital Photographic Techniques I Three credit hours This is an introductory course to color photography in a digital photographic environment. Through the use of Adobe Photoshop, archival printing,. and their own personal cameras, students learn to treat the computer as if it were a darkroom. Students should start the class with an understanding of camera basics and photography as a medium.

Liberal Studies Curriculum

Code	Title	Hours
Foundations		
Computers in Society		
CSC 131	Computers in Society	3
Health and Physical Education		
Select three hours from the following:		3
HED 132	Personal Health and Wellness	
PED 131	Aerobic Fitness	
PED 136	Physical Fitness and Wellness	
Mathematics		
Select three hours from the following:		3
MTH 131	College Algebra	
MTH 133	Survey of Practical Applica of Math	
MTH 137	Precalculus I	
MTH 138	Precalculus II	
MTH 231	Calculus I	
MTH 232	Calculus II	
Non-Native Language (must take both 131 & 132 in chosen language)		
Select six hours from the following:		6
ARA, CHI, FRE, GER, ITA, LAT, or SPA		
Smith Seminar		
SMS 100	Smith Seminar	3
Rhetoric (must take all three courses)		
COM 130	Public Speaking and Communication	3
ENG 131	Composition	3
RHC 133	Academic Research	3
Pillars		
Humanities		
Select three hours from the following:		3
ENG 232	Studies in World Literature	
ENG 296	Topics in English	
ENG 320	The Arthurian Cycle: Early Material (one credit each)	
ENG 321	The Arthurian Cycle: Mallory (one credit each)	
ENG 322	The Arthurian Cycle: Later Interpr. (one credit each)	
ENG 323	Writing for Social Media: Short Frm (one credit each)	
ENG 324	Writing for Social Media:Standard (one credit each)	
ENG 325	Writing for Social Media: Long Form (one credit each)	
ENG 331	Advanced Composition	
ENG 333	British Literature	
ENG 334	British Literature II	
ENG 335	American Literature	
ENG 336	American Literat II	
ENG 337	Creative Writing	
ENG 350	Dark Age & Medieval Lit of Britain (one credit each)	
ENG 351	Eng Ren Writers other than Shakespe (one credit each)	
ENG 352	English Civil War, Restor. & Englig (one credit each)	
ENG 353	Romantic and Gothic Literature (one credit each)	
ENG 354	Abolitionist Liter Ameri Civil War (one credit each)	
ENG 355	The Gilded Age (one credit each)	
ENG 356	The Victorians (one credit each)	
ENG 357	1st World War and Lost Generation (one credit each)	
ENG 358	The Harlem Renaissance (one credit each)	
ENG 359	The Modernists (one credit each)	
ENG 360	The Postmodernists (one credit each)	
ENG 361	Contemporary Literatures (one credit each)	
ENG 362	Global Slave Narratives	
LS 130	ID: African-American & Other Cul Tr	
MTH 134	Mathematics and Culture	
MUS 131	Introduction to Music Literature	
PHI 131	Introduction to Philosophy	
REL 231	Introduction to the Old Testament	
REL 232	Introduction to the New Testament	
VPD 432	Dance as an Art Form	
VPS 233	Art Appreciation	
VPT 232	Introduction to Theatre	
Integrated Studies, Global Studies, Emergent Fields		
Select three hours from the following:		3
ACC 230	Accounting for Non-Business Majors	
ARA 196	Introductory Topic in Arabic	
ARA 296	Topics in Arabic	
BRC 135	Integrated Research and Bibl Method	
BRC 230	Topics in Minority Studies Colorism	
BUS 100	Introduction to Business	
CHI 196	Special Topics in Chinese	
CHI 296	Topics in Chinese	
CSC 133	Web Design	
CSC 134	Computer Science Principles	
CSC 236	Intro to Medical Informatics	
HED 336	Death and Dying	
HED 435	Epidemiology	
HED 337	Environmental Health	
HED 439	Queer Studies	
HIS 131	World Civilizations to 1500	
HIS 132	World Civilizations 1500 to present	
IDS 296	Sole Food: Digestible Sneaker Cultr	
MTH 135	Mathematics and Personal Finance	
PLS 235	Global Leadership	
REL 131	Survey of the Great Living Religion	
REL 337	Islam in America	
Natural Sciences		
Select four hours from the following:		4
BIO 143	Intro to Biology I	
BIO 144	Intro to Biology II:	
BIO 240	Human Anatomy and Physiology	
CHE 131/111	General Chemistry I	
CHE 132/112	General Chemistry II	
NSC 140	Studies in the Natural Sciences	
PHY 241	General Physics	

PHY 242	General Physics	
PHY 243	Mechanics	
PHY 244	Electrodynamics	
Social and Behavioral Sciences		
Select three hours from the following:		3
COM 252	Interpersonal Communication	
ECO 230	Economics for Non-Bus and Eco Major	
HED 335	Minority Health Problems & Issues	
HIS 135	History the United States to 1865	
HIS 136	History of the US Since 1865	
POL 100	Introduction to Political Science	
POL 131	American Government	
POL 230	Intro to Political Analysis	
PSY 131	General Psychology I	
PLS 135	Principles of Mentoring	
Visual, Performing, Physical Arts		
Select three hours from the following:		3
PED 130	Argentine Tango	
PED 135	Rhythm and Dance	
PED 138	Yoga: Union of Mind and Body	
PED 130	Argentine Tango	
VPD 131	Dance for Non Majors	
VPD 224	African Dance	
VPG 341	Digital Photographic Tech I	
Electives from the Pillars		
Select three credits from the courses listed above		3
Total Hours		**46**

Honors Program

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

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

Academic Support

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

University and Community Service

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

In 2013-2014 Academic Year, community service was eliminated as a graduation requirement for any JCSU student. However, students are encouraged to actively engage with the internal and external community through volunteerism. The University offers two venues by which students can enhance their leadership abilities: University Service and Community Service. Additionally, instructors may include community service as a course requirement, and Departments may include it as a requirement for Honors programming. Students who have a deeper interest in community service and leadership are encouraged to take courses that focus on leadership. Each of these courses contains an application-based laboratory experience that highlights community engagement. A repository of community service opportunities is maintained in the College of Arts and Letters.

University Service

University Service is defined as those activities designed to enhance students' leadership development, as well as provide a means by which they can employ those learnings in the service of their fellow students and the University. University Service activities may include, but are not limited to, service on the Judicial Board or participation as a University Ambassador (including Miss JCSU and members of the Royal Court), and Orientation Student Leader.

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.

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 elective courses, leads to a bachelor's degree. The courses in the Major may come from more than one Department but may not be less than thirty or should not be more than seventy hours of credit, including all required support courses, excluding general education (Liberal Studies) program courses. A support course is one deemed complementary to or a Prerequisite for one or more courses in the major course set. In some cases, in order to comply with the University's mission that students "demonstrate competence in their chosen fields" and according to the prevailing national academic standards, programs have been approved by the faculty to require additional credit hours in the major.

Note: Graduation will be governed by the catalog under which students first enrolled in the institution and if they graduate within a period of five years. Otherwise, the current requirements must be met.

The University offers the following Majors:

- Biology and Chemistry Double Major (p. 76)
- Biology Major (p. 77)
- Business Administration Major (p. 91)
- Chemistry Major (p. 78)
- Communication Arts Major (p. 51)
- Computer Engineering (CE) Major (p. 62)
- Computer Science/Information Systems (CS/IS) Major (p. 71)
- Criminology Major (p. 56)
- Cultural Studies Major (p. 56)
- Dance Major (p. 45)
- Economics Major (p. 93)
- English Major (p. 46)
- History Major (p. 58)
- Information Systems Engineering (ISE) Major (p. 72)
- Interdisciplinary Studies Major (p. 59)
- Mathematics Major (p. 73)
- Mathematics with Pre-Math Finance Concentration Major (p. 74)
- Music Major - Performance Concentration (p. 48)
- Political Science Major (p. 59)
- Psychology Major (p. 79)
- Public Health Major (p. 102)
- Social Work Major (p. 114)
- Spanish Major (p. 49)
- Sport Management Major (p. 103)
- Visual and Performing Arts Major (p. 52)

Declaration of Major

It is recommended that students declare a Major no later than the end of the Fall Semester of their sophomore year so Department Chairs will have adequate opportunities to observe and advise students while there is enough time to make necessary program adjustments. This plan enables students to find major areas that are most beneficial and of the greatest interest to them. Application for the Major should be done online. Any student who has earned 60 hours or above, and has not declared his or her major, will be subject to a Major Declaration hold. Students should familiarize themselves with any requirements or *Prerequisites* of majors they are interested in so that their ability to freely declare their major is not unnecessarily delayed.

The Senior Investigative Paper

Senior Investigative Paper is required of every student for graduation. Faculty members from a student's major serve as advisors in its preparation. The details of scheduling and exact requirements vary from Department to Department and, as such, the paper may take various forms, including but not limited to papers, portfolios, and projects. Typically, students begin topic formulation, research design, preliminary research, and literature searches in their junior year. Students receive detailed information on the paper's requirements in their Major from their advisors and other faculty members.

Double Majors

Students must have a cumulative GPA of a 2.5 on his or her JCSU transcript to declare a double major. Students who pursue a double major *from two different departments* must complete all requirements for both majors. Students with a double major have two methods for fulfilling the Senior Investigative Paper Requirement:

1. The student completes two Senior Investigative Papers.
2. The student completes a single Senior Investigative Paper that satisfies both departments. Students wishing to pursue this option must secure the approval, in writing, from both major advisors and the chairs of both departments. A letter recording the approval of each the advisors and chairs for the joint project, which will include the broad outlines of the project and how it will satisfy the requirements of both majors, shall be placed on file in the Office of the Registrar. It is the responsibility of the major advisor(s) to, in conjunction, produce the letter, obtain the needed signatures, and submit the document to the Office of the Registrar. It is recommended, but not required, that readers be chosen in each department and that the students and departments in question keep a copy of the signed approval letter on file.
   In cases where the two majors are housed *in the same department,* the procedure for submitting a single paper will be determined at the departmental level. A statement from the department chair, approving a single Senior Investigative Paper, will be submitted to the Office of the Registrar.

Minors

Students may elect to minor in an area but are not required to do so. A Minor is a field of study outside the Major that requires a minimum of fifteen semester credits and a maximum of twenty-one.

Application for Minor

It is recommended that students who wish to declare a Minor do so no later than the end of the Fall Semester of their junior year. This enables a Department Chair to assist students in selecting the most appropriate courses from the Minor area to supplement the Major concentration and the student's goals. Declarations of Minors should be submitted online after consulting with the academic advisor and department chair.

Changing of a Minor

A student may change a minor online. The academic advisor and department chair should be consulting in changes of a minor.

Concentrations

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

Degrees and Graduation Requirements

Degrees

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

Degrees with Latin Honors

To graduate *Cum Laude*, a student must have spent at least forty-eight career hours in residence at the University and have earned a Grade Point Average between 3.0 and 3.49. To graduate *Magna Cum Laude*, a student must have spent at least three years in residence at the University, earned a Grade Point Average of 3.5 to 3.69, and have received no final grade below a **C**. To graduate *Summa Cum Laude*, a student must have spent at least three years in residence at the University, earned a Grade Point Average of 3.70 to 4.00, and have received no final grade below a **C**.

Posthumous Degree

The University may grant undergraduate and graduate degrees posthumously. If a college determines that a deceased student has completed sufficient coursework to be awarded a degree, the college dean (or designee) has the authority to grant the degree posthumously. A student may be considered a candidate for a posthumous degree when the following requirements are met. Posthumous degrees may be awarded at the undergraduate and graduate level.

Requirements for Nomination

1. A student must have been in good standing with the institution at the time of death. Good standing is defined as not having any of the following statuses: academic probation, academic dismissal, disciplinary suspension or expulsion.
2. The student must have been enrolled at the time of death (summer sessions excluded) or their continuous enrollment was interrupted by their injury, illness, deployment, or other extenuating circumstances.
3. An undergraduate student must have earned 90 undergraduate credits
4. A graduate student must be within 75% of degree completion.
5. The college in which the student was enrolled recommends the awarding of a posthumous degree with support from the department chair and the dean.

Nomination/Approval Process

1. Any university student, faculty, or staff member can suggest a candidate be considered for a posthumous degree. This request must be made to the Council of Deans by February 1 for consideration.
2. The student's degree audit file will be used to verify the program and progress toward degree completion. The Office of the Registrar will notify the Council of Deans of the student's eligibility for the posthumous degree.
3. The department chair or dean of the college in which the student was enrolled makes the formal recommendation of the candidate for a posthumous degree in the form of a written request to the Council of Deans. The request must include the name of the student, the degree/program to be awarded, and the recommended semester for degree conferral.
4. If approved by the Council of Deans:
    a. The Council of Deans will notify appropriate university personnel (e.g., registrar, president's office, and other administrative personnel).
    b. The Registrar (or designee) will inform the immediate family of the university's decision and desire to recognize the student (This process will be kept confidential until and unless approved at all levels). If the family desires to represent the student and receive the diploma at a commencement ceremony. This information is required for planning purposes. If the family does not wish to attend the commencement ceremony, the diploma will be mailed to the requested address.
5. A posthumous degree will be printed in the commencement program. If the family chooses not to participate, this award may still be read during the ceremony (unless the family specifically request the information is omitted).
6. Post the degree as posthumous to the student's record.

Graduation

Application for Degree

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

General Requirements

Candidates for the bachelor's degree must complete at least 122 credit hours; earn a minimum overall Grade Point Average of 2.00; earn a minimum grade of **C** in any course that counts toward the major; satisfy all requirements of the curriculum in the Liberal Studies; the Senior Investigative Paper. Candidates for a Master in Social Work should refer to the MSW requirement section of this catalog.

Catalog Requirement

Graduation will be governed by the catalog under which students first enrolled in the institution and if they graduate within a period of five years. Otherwise, the current requirements must be met. This regulation will be subject to such additional conditions that may be established by the decisions of the Educational Policies Committee and approved by the faculty and University administration.

Residence Requirements

The minimum residence requirement for the bachelor's degree is that the last thirty-two hours of the total hours required to graduate from any academic programs at Johnson C. Smith University.

Student Responsibility

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

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

Summer School

Admission

JCSU offers one traditional six-week Summer Session each year that is open to individuals who are eligible in at least one of the following categories:

1. Persons desiring to take college courses for self-improvement
2. Students completing requirements for degrees at other colleges (Statement of approval from a designated official must be presented if credit is to be transferred)
3. Students completing requirements for degrees at JCSU
4. High school graduates intending to pursue a degree at JCSU or another institution (They must apply for admission to the regular University program through the Office of Admissions at JCSU or the institution to which the credit will be transferred)
5. In-service teachers who desire to upgrade, renew, or convert their certificates

6. Veterans eligible under Public Law No. 91-219 of the Congress of the United States to take training in an approved institution (JCSU is certified by the Veterans' Administration to provide training.)

Applications for non-JCSU students should be submitted to the Office of Admissions. JCSU students should be advised, registered, and have financial clearance through the regular JCSU process.

Students interested in summer school in the Evening and Online Program, should refer to the Metropolitan College of Professional Studies Evening and Online.

Fees

Tuition for students is based on the number of credits enrolled.

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

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

Financial Aid

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

Course Offerings

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

Academic Colleges

- College of Business and Professional Studies (p. 88)
- College of Liberal Arts (p. 43)
- College of Science, Technology, Engineering, and Mathematics (STEM) (p. 60)
- University College (p. 86)

College of Liberal Arts

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

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

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

Degrees with Honors

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

Majors

- Communication Arts Major (p. 51)
- Criminology Major (p. 56)
- Cultural Studies Major (p. 56)
- Dance Major (p. 45)
- English Major (p. 46)
- History Major (p. 58)
- Interdisciplinary Studies Major (p. 59)
- Music Major - Performance Concentration (p. 48)
- Political Science Major (p. 59)
- Spanish Major (p. 49)
- Visual and Performing Arts Major (p. 52)

Minors

- African-American and African Studies Minor (p. 45)
- Animation Minor (p. 51)
- Arabic Minor (p. 45)
- Chinese Minor (p. 45)
- Communication Arts Minor (p. 52)
- Criminology Minor (p. 56)
- Cultural Studies Minor (http://catalog.jcsu.edu/university-catalog/academic-colleges/college-liberal-arts/social-sciences-and-interdisciplinary-studies/cultural-studies-minor/)
- Cyber-Intelligence and Technology Minor (p. 57)
- Dance Minor (p. 46)
- English Minor (p. 47)
- Ethics Minor (p. 57)
- Fine Arts Minor - Emphasis in Graphic Design (p. 52)
- French and Francophone Studies Minor (p. 48)
- French Minor (p. 48)
- Global Studies Minor (p. 58)
- History Minor (p. 59)
- Music Minor (p. 49)
- Philosophy Minor (p. 49)
- Photography Minor (p. 52)
- Political Science Minor (p. 59)
- Pre-Law Minor (p. 60)

- Religion Minor (p. 49)
- Sociology Minor (p. 60)
- Sound Art Minor (p. 52)
- Spanish Minor (p. 50)
- Theatre Minor (p. 52)
- Women, Gender, and Sexuality Studies Minor (http://catalog.jcsu.edu/university-catalog/academic-colleges/college-liberal-arts/social-sciences-and-interdisciplinary-studies/women-gender-and-sexuality-studies-minor/)

Arts and Humanities

The Department of Arts and Humanities offers courses in Fine Arts (Music and Dance), Literature, Languages (Arabic, French, Italian, Latin, Spanish and other language courses), and Religion, many of which meet course requirements in the Liberal Studies Program or as general electives.

Mario Bahena (2010)
Chair, Department of Arts and Humanities
Associate Professor of Spanish
Department of Arts and Humanities
B.A., 2001, Loyola University, Chicago
M.A., 1996, Mississippi State University
Ph.D., 2010, Indiana University

Matthew M. DeForrest (2004)
Interim Director of the Edward E. Crutchfield Center for Integrated Studies
Professor of English
Department of Arts and Humanities
B.A., 1990, Boston University
M.A., 1991, University College, Dublin, Ireland
Ph.D., 1996, Boston University

Amos H. Etukudoh (1993)
Coordinator of French
Assistant Professor of Foreign Languages
Department of Arts and Humanities
B.A., 1974, Saint Augustine
M.A., 1978, UNC - Chapel Hill
M.A., 1979, UNC - Chapel Hill
Ph.D., 1992, UNC - Chapel Hill

Adelheid Eubanks-Rundholz (2009)
Professor of Foreign Languages
Department of Arts and Humanities
M.A., 1987, Washington University
Ph.D., 1994, Washington University

Jemayne L. King (2006)
Adjunct Associate Professor of English
Department of Arts and Humanities
Department of Social Science and Interdisciplinary Studies
B.A., 2000, Elizabeth City State University
M.A., 2001, Virginia State University
Ph.D., 2020, Indiana University of Pennsylvania

Jasleen Kohli (2012)
Assistant Professor of Spanish
Department of Arts and Humanities
M.A., 1997, Jawaharlal Nehru University, New Delhi, India
M.A., 1999, Complutense University
Ph.D., 2004, University of California, Riverside

Kendal Mobley (2014)
Associate Professor of Religion
Department of Arts and Humanities
B.A., 1984, Charleston Southern University
M.Th., 1996, Boston University
M.Div., 1997, Southern Baptist Theological Seminary
D.Th., 2004, Boston University

Aman Nadhiri (2009)
Associate Professor of Arabic and English
Department of Arts and Humanities
B.A., 1998, Morehouse College
M.A., 2001, University of North Carolina-Chapel Hill
Ph.D., 2009, University of North Carolina-Chapel Hill

Jaclyn O'Toole (2014)
Assistant Professor of Dance
Department of Arts and Humanities
B.A., 2007, Coker College
M.F.A., 2010, Florida State University

Katrina Watterson (2014)
Assistant Professor of Spanish
Department of Arts and Humanities
B.A., 1992, Southern University – Baton Rouge
M. A., 1996, Louisiana State University
Ph.D., 2011, Louisiana State University

Shawn-Allyce White (2010)
Associate Professor of Music and Choir Director
Department of Arts and Humanities
B.M., 1990, Syracuse University
M.M., 1995, Yale University
D.M.A., 2008, University of Kentucky

Majors

- Dance Major (p. 45)
- English Major (p. 46)
- Music Major - Performance Concentration (p. 48)
- Spanish Major (p. 49)

Minors

- African-American and African Studies Minor (p. 45)
- Arabic Minor (p. 45)
- Chinese Minor (p. 45)
- Dance Minor (p. 46)
- English Minor (p. 47)
- French and Francophone Studies Minor (p. 48)
- French Minor (p. 48)
- Music Minor (p. 49)
- Philosophy Minor (p. 49)
- Religion Minor (p. 49)
- Spanish Minor (p. 50)

African-American and African Studies Minor

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

Requirements

An African-American Studies minor is required to take 18 to 21 credit hours of courses, depending on *Prerequisites* for the electives chosen, with an overall grade point average of 2.5 to complete their minor. These courses consist of a Required Core of 9 credit hours and 9 credit hours consisting of one course each from each of the three Groups listed below (e.g., a student must take AAS 495 Special Topics in Africana Studies, HIS 238 Modern Latin America, HIS 239 Plantation Societies in America, HIS 337 West Africa, HIS 339 Topics African American History II, HIS 432 Southern Africa, HIS 435 Northern Africa, or PSY 331 Black Psychology to satisfy the Group I requirement). Other courses may be deemed appropriate with the approval of the student's advisor and Department Chair. African American Studies minors must also complete the following coursework and earn at least a grade of **C** in each course.

Code	Title	Hours
Required Core		
AAS 231	Intro to Africana Studies	3
HIS 237	Introduction to Africa	3
HIS 338	Topics African-American History I	3
Additional Electives		
Group 1: History and Culture		
Select three credit hours:		3
AAS 495	Special Topics in Africana Studies	
HIS 238	Modern Latin America	
HIS 239	Plantation Societies in America	
HIS 337	West Africa	
HIS 339	Topics African American History II	
HIS 432	Southern Africa	
HIS 435	Northern Africa	
PSY 331	Black Psychology	
Group II: Language, Literature and the Arts		
Select three credit hours:		3
AAS 495	Special Topics in Africana Studies	
COM 433	The African-American Press	
ENG 494	Afro-American Literat: 1920 t Prese	
ENG 495	African American Literature	
MUS 130	Intro to African American Music	
VPS 134	African American Art	3.00
VPT 330	African- American Film History	3.00
Group III: Politics, Economics, Health		
Select three credit hours:		3
AAS 495	Special Topics in Africana Studies	
ECO 432	Economic Development	
HED 335	Minority Health Problems & Issues	
POL 332	Third World Politics	
POL 339	Black Political Thought	
Total Hours		**24**

Arabic Minor

A minor in Arabic consists of a minimum of 21 credit hours; 12 credit hours of Language-Centered courses, and 9 credit hours of Culture-Centered courses.

Minors in Arabic must earn a grade of **C** or better in all courses counting toward the minor.

Code	Title	Hours
Language-Centered Courses		
ARA 232	Intermediate Arabic II	3
ARA 331	Advanced Arabic I	3
ARA 332	Advanced Arabic II	3
ARA 450	Conversational Arabic	3
Culture-Centered Courses		
Select nine hours of the following:		9
ARA 296	Topics in Arabic	
ARA 395/495	Field Study in Arabic Country	
ARA 451	Business Arabic	
ARA 489	Topics in Digital Storytelling	
ARA 496	Special Topics in Arabic	
Total Hours		**21**

Chinese Minor

The minor in Chinese is designed to recognize competency in Chinese Language and Culture. A Minor in Chinese consists of 18 Credit Hours in Chinese beyond CHI 231 Intermediate Chinese I. Minors in Chinese must earn a grade of **C** or better in all minor courses.

Dance Major

The Dance Major Program provides studio-based and theory-based instruction in both Western European and African derived dance forms, in preparation for careers or graduate study in dance. **Admission to the Dance Major is by audition only. This includes students already matriculating in other majors, such as Visual & Performing Arts, who desire to change to the Dance Major.**

Students must comply with all University requirements for graduation, including the General Education requirements and Senior Paper. The student must earn at least a grade of C in the required courses for the major and their *Prerequisites*.

A Dance major is required to take 52 credit hours of courses. These courses consist of a Required Core of 48 credit hours and four additional credit hours taken from a selection of courses listed below. A minimum of 122 is required for graduation.

Dance majors must earn at least a grade of **C** in each course.

Code	Title	Hours
Core Requirements		
VPD 125	Dance Conditioning	2
VPA 230	Seminar Pract in the Vis & Perf art	3
VPA 231	Seminar Practicum in VPA II	3
VPD 223	Concert Dance I	3
VPD 224	African Dance	2
VPT 232	Introduction to Theatre	3
VPD 233	Ballet II	3
VPD/PED 332	Kinesiology	3
VPD 333	Modern I	3
VPD 334	Jazz I	3
VPD 335	Modern II	3
VPD 432	Dance as an Art Form	3
VPD 433	Dance Composition	3
VPD 434	Ballet III	3
or VPD 435	Modern III	
VPD 235	Dance Production	3.00
VPA 330	Jr. Sem: Portfolio & Proj. Develop	3
VPA 430	Sr. Sem: Final Proj & Paper	3
Total Hours		**49**

Dance Minor

A Dance minor is required to take 22 credit hours of courses, including a 4-credit hour Biology Requirement, as listed below. The Biology Requirement may be used to satisfy the student's General Education requirement.

Dance minors must complete this coursework and earn at least a grade of **C** in each course.

Code	Title	Hours
Biology Requirement		
BIO 143	Intro to Biology I	4
Dance Requirements		
VPD 223	Concert Dance I	3
VPD 224	African Dance	2
VPD 332	Kinesiology	3
VPD 333	Modern I	3
VPD 334	Jazz I	3
VPD 432	Dance as an Art Form	3
VPD 433	Dance Composition	3
Total Hours		**24**

English Major

Degree with Honors in English and Spanish

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

Eligibility

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

Application

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

Program Requirements

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

Option One: Honors Thesis

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

Option Two: Community-Based Honors Project

The Honors Project is a community-based and service-oriented project that provides students with the tools to inform themselves of what it means to be citizens of this city, this country, this world, of this University. The project has three points of focus: engaged citizenship, technology, and presentation. These are described below.

Engaged Citizenship

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

Technology

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

Presentation

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

An English major is required to take between 40 and 45 credit hours of courses to complete their major. These courses consist of 25 credit hours of Required Courses, 15 credit hours consisting of one course each from each of the five Groups listed below (e.g., a student must take either ENG 330 Chaucer, ENG 339 Shakespeare, or ENG 430 Milton to

satisfy the Group I requirement). ENG 296 Topics in English, ENG 489 Topics in Digital Storytelling, ENG 496 Special Topics in English-ENG 497 Special Topics in English-ENG 498 Special Topics in English, and ENG 499 Independent Study may be used to satisfy these group requirements, if the topic offered applies to the time period or discipline examined by a group. Depending on the student's foreign language placement, an additional six hours from the Intermediate Level Language requirement may be required. In addition, an English Major's choice of courses, especially in the case of VPT 437 Practical Shakespeare, may require students to take additional courses as *Prerequisites*.

This program is currently in teach out and is not accepting new majors.

Code	Title	Hours
Required Courses		
ENG 234	English Language, Litera & Literacy	3
ENG 235	English Methods	1
ENG 350	Dark Age & Medieval Lit of Britain	1
ENG 351	Eng Ren Writers other than Shakespe	1
ENG 352	English Civil War, Restor. & Englig	1
ENG 353	Romantic and Gothic Literature	1
ENG 354	Abolitionist Liter Ameri Civil War	1
ENG 355	The Gilded Age	1
ENG 356	The Victorians	1
ENG 357	1st World War and Lost Generation	1
ENG 358	The Harlem Renaissance	1
ENG 359	The Modernists	1
ENG 360	The Postmodernists	1
ENG 361	Contemporary Literatures	1
ENG 339	Shakespeare	3
or VPT 437	Practical Shakespeare	
ENG 439	Principles of Literary Criticism	3
ENG 490	Senior Seminar	3
Focus Areas		
Group 1: A Focus on a Single Author		
Select one of the following:		3
ENG 330	Chaucer	
ENG 339	Shakespeare [1]	
ENG 430	Milton	
Group II: A Focus on a Single Movement or Period		
Select one of the following:		3
ENG 427	Southern Literature	
ENG 431	Eng Lit of Restoration & 18th Cent	
ENG 435	Studies in Romantic Literature	
ENG 436	Studies in Victorian Literature	
ENG 437	Contemporary Literature	
Group III: A Focus on a Single Genre		
Select one of the following:		3
ENG 238	Elements of Fiction	
ENG 349	Memoir	
ENG 426	The Contemporary Graphic Novel	
ENG/VPT 433	Modern Drama	
ENG 440	The British Novel	
ENG 441	The American Novel	
VPT 437	Practical Shakespeare [2]	
Group IV: A Focus on a Single Topic		
Select one of the following:		3
ENG 338	Literature & Media for Adolescents	
ENG 362	Global Slave Narratives	
ENG 412	Classical Rhetoric	
ENG 494	Afro-American Literat: 1920 t Prese	
ENG 495	African American Literature	
ENG 432	The Bible as Literature	
ENG 491	The English Language	
ENG 493	Modern English Grammar	
ENG 320 & ENG 321 & ENG 322	The Arthurian Cycle: Early Material and The Arthurian Cycle: Mallory and The Arthurian Cycle: Later Interpr.	
VPF 233	Film Criticism	
Group V: A Focus on Production		
Select one of the following:		3
COM 231	Media Writing	
COM 240/ ENG 233	Business Writing	
ENG 331	Advanced Composition	
ENG 337	Creative Writing	
ENG 392	Screen Writing	
ENG 346	Fiction Writing Workshop	
ENG 347	Creative Nonfiction Writing	
ENG 410	Theory & Prac. Professional Writing	
ENG 323 & ENG 324 & ENG 325	Writing for Social Media: Short Frm and Writing for Social Media:Standard and Writing for Social Media: Long Form	
ENG 450	JCSU Publications Workshop	
Total Hours		**40**

1 ENG 339 Shakespeare may be used to satisfy this requirement only if VPT 437 Practical Shakespeare is used to satisfy the Shakespeare requirement

2 *Prerequisite* for VPT 437 Practical Shakespeare: VPT 232 Introduction to Theatre or VPT 233 Acting with a C or better. Note: VPT 437 Practical Shakespeare may be used to satisfy this requirement only if ENG 339 Shakespeare is used to satisfy the Shakespeare requirement

Intermediate Level Language Requirement

All English Majors must complete a second year of foreign language beyond the General Education requirement. While this usually requires that the student take 6 Credit Hours of coursework, this can also be satisfied by placement exam.

English Minor

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

French and Francophone Studies Minor

To obtain a Minor in French, a student must complete 18 credit hours in courses that cover topics in French Africa, African Diaspora, Caribbean and Asian issues in French or English. Students majoring in French will also be granted French and Francophone Minor if they take six classes in French and Francophone Studies-related topics in our department or some from other departments. However, these classes from other departments will not count toward their French Major, unless approved by the French language advisor.

French Minor

To obtain a minor in French, a student must complete 18 credit hours beyond FRE 231 Intermediate French I. Minors in French must earn a grade of **C** or better in all courses counting toward the minor.

Music Major - Performance Concentration

A Music major with a Concentration in Performance is required to take between 51 and 56 credit hours of courses. All Music Performance majors must take a Required Core of 37 credit hours. Students with an Emphasis in Voice must take an additional 19 credit hours of Voice Emphasis Requirements, for a total of 56 credit hours. Students with an Emphasis in Piano must take an additional 18 credit hours Piano Emphasis Requirements, for a total of 55 credit hours. Students with an Emphasis in Instrumental must take an additional 14 credit hours in Instrumental Requirements, for a total of 51 credit hours. Other courses may be deemed appropriate with the approval of the student's advisor and Department Chair.

Music majors with a Concentration in Performance must also complete the following coursework and earn at least a grade of C in each course.

Music Core and Requirements

Code	Title	Hours
Core Requirements		
MUS 113	Piano (Individual)	1
MUS 114	Piano (Individual)	1
MUS 143	Music Theory I	3
MUS 144	Music Theory II	3
MUS 213	Piano (Individual)	1
MUS 243	Music Theory III	3
MUS 244	Music Theory IV	3
MUS 255	Sight Singing/Ear Training I	2
MUS 256	Sight Singing EarTraining II	2
MUS 355	Sight Singing/Ear Training III	2
MUS 356	Sight Singing/Ear Training IV	2
MUS 337	Music History and Literature	3
MUS 338	Music History and Literature	3
MUS 428	Senior Seminar I	3
MUS 429	Senior Seminar II	3
Ensembles [1,2]		8
Emphasis		
Select one emphasis:		14-19
Voice Emphasis (p. 48)		
Piano Emphasis (p. 48)		
Instrumental Emphasis (p. 49)		
Total Hours		**57-62**

[1] Includes MUS 111 University Choir and MUS 112 University Choir, MUS 119 University Swing Choir, MUS 210 University Marching Band, MUS 211 University Symphonic Band, MUS 212 Jazz Ensemble, and MUS 312 Electro Acoustic Music Ensemble

[2] Prerequisite: Audition/Permission of Instructor

Voice Emphasis

Code	Title	Hours
Voice Emphasis Requirements		
MUS 115	Voice(Individual)	1
MUS 116	Voice	1
MUS 215	Voice	1
MUS 216	Voice	1
MUS 220	Opera/Musical Theatre Workshop	1
MUS 250	Vocal Diction Italian	2
MUS 251	Vocal Diction	2
MUS 252	Vocal Diction-German	2
MUS 315	Voice (Individual)	1
MUS 316	Voice (Individual)	1
MUS 321	Vocal Pedagogy	3
MUS 326	Song Literature	2
MUS 415	Voice (Individual)	1
MUS 416	Voice (Individual)	1
Total Hours		**20**

Piano Emphasis

Code	Title	Hours
Piano Emphasis Requirements		
MUS 213	Piano (Individual)	1
MUS 214	Piano (Individual)	1
MUS 250	Vocal Diction Italian	2
MUS 251	Vocal Diction	2
MUS 252	Vocal Diction-German	2
MUS 313	Piano (Individual)	1
MUS 314	Piano (Individual)	1
MUS 324	Piano Pedagogy	2
MUS 327	Piano Literature	2
MUS 365	Piano Accompanying	2
MUS 413	Piano (Individual)	1
MUS 414	Piano (Individual)	1
Total Hours		**18**

Note: Students majoring in Performance with an Emphasis in Piano may choose a minor in foreign languages to replace the MUS 250 Vocal Diction Italian, MUS 251 Vocal Diction, and MUS 252 Vocal Diction-German requirements.

Instrumental Emphasis

Code	Title	Hours
Instrumental Emphasis Requirements		
Freshman-Level Principal Instrument Courses		2
Sophomore-Level Principal Instrument Courses		2
Junior-Level Principal Instrument Courses		2
MUS 328	Instrumental Literature (May be repeated once.)	2
MUS 329	Instrumental Pedagogy (May be repeated once.)	2
MUS 330	Symphonic/Chamber Music Literature (May be repeated once.)	2
Senior-Level Principal Instrument Courses		2
Total Hours		**14**

Music Minor

A Music minor is required to take 20 credit hours of courses. These courses consist of a Required Core of 14 credit hours and eight credit hours of Music Electives, including one Applied Music course (*e.g.*, MUS 113 Piano (Individual)). Other courses may be deemed appropriate with the approval of the student's advisor and Department Chair.

Music minors must also complete the following coursework and earn at least a grade of C in each course.

Code	Title	Hours
Required Core		
MUS 143	Music Theory I	3
MUS 144	Music Theory II	3
MUS 255	Sight Singing/Ear Training I	2
MUS 256	Sight Singing EarTraining II	2
MUS 337	Music History and Literature	3
MUS 338	Music History and Literature	3
Music Electives		
Select six hours of the following:		6
Applied Music: Instrument or Voice		
Music Electives		
Total Hours		**22**

Philosophy Minor

A minor in Philosophy consists of a minimum of 18 Credit Hours, including a 3 Credit Hour *Prerequisite And* 15 Credit Hours.

Minors in Philosophy must earn a grade of **C** or better in all courses counting toward the minor.

Code	Title	Hours
Prerequisite		
PHI 131	Introduction to Philosophy	3
Required Core		
PHI 233	Practical Logic	3
PHI 234	Ethics	3
PHI 337	Major Figures in Philosophy	3
PHI 432	Seminar in Philosophy	3
PLS 236	Critical Thinking	3
Total Hours		**18**

Religion Minor

A minor in Religion consists of between 21 Credit Hours, including three credit hours of *Prerequisites And* 18 Credit hours distributed as follows: Nine Credit Hours of Core Requirements; three credit hours in Non-Christian Religion courses; and six credit hours of Religion electives approved by the advisor.

Minors in Religion must earn a grade of **C** or better in all courses counting toward the minor.

Code	Title	Hours
Prerequisite		
REL 132	Survey of the History of Christiani	3
Required Core		
REL 231	Introduction to the Old Testament	3
or REL 232	Introduction to the New Testament	
REL 236	The History of Christianity in Amer	3
REL 331	Hist. & Theology of Black Church	3
or REL 332	Intro to Liberation Theology	
Non-Christian Religion Courses		
Select three hours of Non-Christian Religion Courses		3
Religion Electives		
Select six hours of Religion Elective Courses		6
Total Hours		**21**

Spanish Major

A Spanish major is required to take 33 credit hours of courses to complete their major. These courses consist of 12 credit hours of required courses, which may be satisfied by placement and three of which may be used to satisfy the General Education requirements; 6 credit hour Language Proficiency Requirement (e.g., a student must take either SPA 330 Spanish Conversation I and SPA 338 Spanish Conversation II or SPA 395 Field of Study in Span. Speak Cntry to satisfy the Language Proficiency Requirement), a 3 credit hour Cultural Proficiency Requirement, a 3 credit hour Writing Proficiency Requirement, a 3 credit hour Afro-Latino Diaspora Requirement, and a 6 credit hour Seminar Requirement. SPA 496 Special Topics in Spanish, SPA 497 Special Topics in Span, SPA 498 Special Topics in Spanish Special Topics and SPA 499 Independent Study Independent Study may be used to satisfy these group requirements, if the topic offered applies to the time period or discipline examined by a group. The remaining fifteen credit hours may be satisfied by any Spanish course beyond SPA 232 Intermediate Spanish II.

This program is currently in teach out and is not accepting new majors.

Degree with Honors in English and Spanish

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

Eligibility

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

Application

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

Program Requirements

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

Option One: Honors Thesis

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

Option Two: Community-Based Honors Project

The Honors Project is a community-based and service-oriented project that provides students with the tools to inform themselves of what it means to be citizens of this city, this country, this world, of this University. The project has three points of focus: engaged citizenship, technology, and presentation. These are described below.

Engaged Citizenship

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

Technology

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

Presentation

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

Code	Title	Hours
Required Courses		
SPA 232	Intermediate Spanish II	3
SPA 131	Elementary Spanish I [1]	3
SPA 132	Elementary Spanish II [1]	3
SPA 231	Intermediate Spanish I [2]	3
Language Proficiency Requirement		
Select one of the following:		6
SPA 330 & SPA 338	Spanish Conversation I and Spanish Conversation II	
SPA 395	Field of Study in Span. Speak Cntry	
Culture Proficiency Requirement		
Select one of the following:		3
SPA 334	Latin American Civilization	
SPA 430	Spanish Civilization	
Writing Proficiency Requirement [3]		
Select one of the following:		3
SPA 331	Adv Spanish Grammar,Comp & Convers	
SPA 333	Intro to Spanish Literature	
SPA 334	Latin American Civilization	
SPA 337	Techniques in Translation of Spani	
SPA 430	Spanish Civilization	
SPA 432	Survey of Latin American Literature	
SPA 437	Hispanic Film	
SPA 438	Afro-Hispanic Literature and Cultur	
SPA 439	Don Quixote	
SPA 491	20th Century Hispanic Literature	
SPA 496/497/498	Special Topics in Spanish	
SPA 499	Independent Study	
Afro-Latino Diaspora		
Select one of the following:		3
SPA 367	Gender & Race: US Lat. Literature	
SPA 438	Afro-Hispanic Literature and Cultur	
Seminar Requirements		
SPA 390	Junior Seminar	3
SPA 490	Senior Seminar	3
Total Hours		**33**

1 By Course or Placement. *Note: This course may be used to satisfy General Education Requirements*

2 By Course or Placement.

3 Any course chosen to satisfy the Writing Proficiency Requirement cannot be used to satisfy another requirement for the Spanish Major.

Spanish Minor

A student must complete 18 credit hours beyond SPA 231 Intermediate Spanish I.

Rhetoric and Communications Studies

The course offerings in Rhetoric and Communication Studies include areas that focus ont he study of verbal and professional communication, including introductory courses in verbal and written rhetoric and pre-professional and professional communications, including broadcast journalism, public relations, and video and audio editing.

Leslie Clement-Gutierrez (2005)
Co-Director, Center for Languages, Rhetoric & Culture
Assistant Professor of Spanish
Department of Rhetoric and Communication Studies
B.A., 1998, Spelman College
M.A., 2002, Winthrop University
Ph.D., 2015, Indiana University of Pennsylvania

Charles Easley (2018)
Instructor of Communication Arts
Department of Rhetoric and Communication Studies
B.A., 1991, Hutson-Tillotson College
M.A., 1994, University of Iowa

Gary Guffey (2010)
Assistant Professor of Public Relations
Department of Rhetoric and Communication Studies
B.A., 1983, High Point University
M.B.A., 1985, Wake Forest University
M.A., 2006, Indiana University, Bloomington
Ph.D., 2012, University of Georgia

Cindy J. Kistenberg (2006)
Professor of Communication and Theatre
Department of Rhetoric and Communication Studies
B.A., 1986, University of North Carolina-Chapel Hill
M.A., 1988, University of North Carolina-Chapel Hill
Ph.D., 1992, Louisiana State University

Tiphane Pate (2017)
Manager, Center for the Study of Metacognitive Variables
Instructor of Communication
Department of Rhetoric and Communication Studies
B.A., 2007, Winston Salem State University
M.A., 2009, The Ohio State University

Marsha W. Rhee (2008)
Co-Director, Center for Languages, Rhetoric & Culture
Associate Professor of English
Department of Rhetoric and Communication Studies
B.A., 2001, Jackson State University
M. A., 2003, University of Iowa
Ph.D., 2012, Indiana University of Pennsylvania

Sitara Sadler (2009)
Associate Professor of Video & Film Production
Department of Rhetoric and Communication Studies
B.A., 2005, Johnson C. Smith University
M.F.A., 2008, Academy of Art University

Majors

- Communication Arts Major (p. 51)
- Visual and Performing Arts Major (p. 52)

Minors

- Animation Minor (p. 51)
- Communication Arts Minor (p. 52)
- Fine Arts Minor - Emphasis in Graphic Design (p. 52)
- Photography Minor (p. 52)
- Sound Art Minor (p. 52)
- Theatre Minor (p. 52)

Animation Minor

An Animation minor is required to take 21 credit hours, including 18 credit hours of courses, as listed below, plus three hours of *Prerequisites.*

Animation minors must complete this coursework and earn at least a grade of **C** in each course.

Code	Title	Hours
Required Prerequisite		
VPG 235	Graphic Design I	3
Minor Requirements		
VPG 350	Virtual Environments	3
VPG 352	Motion Capture	3
VPG 354	Machinima	3
VPG 356	3D Character Rigging	3
VPG 433	Animation I	3
VPG 436	Animation II	3
Total Hours		**21**

Communication Arts Major

A Communication Arts major is required to take 48 credit hours of courses. These courses consist of a Required Core of 24 credit hours, 12 credit hours of Communication Requirements chosen from pairs of courses (*e.g.*, majors must take either COM 431 Media Literacy or COM 432 Intercultural Communication), and 12 credit hours of Communication Electives. Other courses may be deemed appropriate with the approval of the student's advisor and Department Chair.

Communication Arts majors must also complete the following coursework and earn at least a grade of **C** in each course.

Code	Title	Hours
Core Requirements		
COM 230	Introduction to Mass Communication	3
COM 231	Media Writing	3
COM 232	Communication Theory	3
COM 238	Audio Production & Programming I	3
COM 239	Video Production & Programming I	3
COM 360	Junior Seminar	3
COM 438	Speaking in the Professions	3
COM 460	Senior Seminar	3
Communication Requirements		
COM 431	Media Literacy	3
or COM 432	Intercultural Communication	
COM 233	Photojournalism I	3
or COM 235	Design I	
COM 330	Reporting	3
or COM 331	Feature Writing	
Select one of the following courses:		3
COM 335	Public Relations I	
COM 336	Public Relations II	
COM 430	Communication Mgmt, Mktg & Research	

Communication Electives	
Select 12 hours of Communication Electives [1]	12
Total Hours	**48**

[1] Students, with assistance from their Communication Arts advisor, should select other Communication Arts courses to complete the remaining 12 hours of major requirements. *Prerequisites Will* vary by course.

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.

Fine Arts Minor - Emphasis in Graphic Design

A Fine Arts minor is required to take 18 credit hours of courses.

Fine Arts minors must complete this coursework and earn at least a grade of C in each course.

Code	Title	Hours
VPG 230	Basic Design	3
VPG 235	Graphic Design I	3
VPS 233	Art Appreciation	3
VPS 332	Drawing	3
VPS 333	Painting I	3
VPG 336	Graphic Design II	3
Total Hours		**18**

Photography Minor

A Photography minor is required to take 21 credit hours of courses, including the 18 credit hours as listed below plus three hours of *Prerequisites*.

Photography minors must complete this coursework and earn at least a grade of C in each course.

Code	Title	Hours
Required Prerequisite		
VPA 230	Seminar Pract in the Vis & Perf art	3
Minor Requirements		
VPG 233	Photojournalism I	3
VPG 340	Photography II	3
VPG 341	Digital Photographic Tech I	3
VPG 342	Alternative Photographic Film Proce	3.00
VPG 434	Graphic Design III	3
VPG 433	Animation I	3
Total Hours		**21**

Sound Art Minor

The Sound Art minor combines the practices of audio and music technologies, electronic music compassion, and collaborative arts. The minor requires 18 credit hours, as listed below.

Sound Art minors must complete this coursework and earn at least a grade of **C** in each course.

Code	Title	Hours
VPM 113	Contemporary Keyboard Skills I	1
VPM 114	Contemporary Keyboard II	1
VPM 132	Foundations of Contemp. Musicianshp	3
VPM 143	Musianship I	3
VPM 219	Composition with Technology	1
VPM 232	Introd to Sound Music Technologies	3
MUS 312	Electro Acoustic Music Ensemble	1
VPM 331	Intro to Music Business	3
VPM 332	Intermediate Sound and Music Techno	3
Total Hours		**19**

Theatre Minor

A Theatre minor is required to take a total of 21 credit hours, consisting of 15 credit hours of courses, as listed below, plus 6 hours of *Prerequisites*.

Theatre minors must complete this coursework and earn at least a grade of C in each course.

Code	Title	Hours
Required Prerequisites		
VPA 230	Seminar Pract in the Vis & Perf art	3
VPA 231	Seminar Practicum in VPA II	3
Minor Requirements		
VPT 232	Introduction to Theatre	3
VPT 233	Acting	3
VPT 333	Drama Workshop	3
VPT 235	Technical Theatre I	3
VPT 236	Technical Theatre II	3
VPT Electives		3
Total Hours		**24**

Visual and Performing Arts Major

This program is currently in teach out and is not accepting new majors.

An audition or portfolio review is required for students to enter the Visual and Performing Arts Major, and can be scheduled by contacting the Department Chair or Administrative Assistant.

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

A major in Visual and Performing Arts consists of 59 program credit hours. In addition, all students must take 46 Credit Hours of Liberal Studies courses, and at least 6 elective hours. A minimum of 122 is required for graduation.

Students must comply with all University requirements for graduation, including the General Education requirements (Liberal Studies Program) and Senior Paper The student must also earn at least a grade of C in the required courses for the Major and their *Prerequisites.*

The interdisciplinary core of 34 Credit Hours exposes students to each of several arts areas: Dance, Theatre, Studio Art, Graphic Art, Film, and Music. It has an entry-level sophomore sequence required of all students. Declaration of Major is contingent upon a successful audition or portfolio review, and continuation beyond sophomore year is contingent upon passing the sophomore sequence of VPA 230 Seminar Pract in the Vis & Perf art-VPA 231 Seminar Practicum in VPA II, developing a plan of study, and presenting an acceptable portfolio or performance piece. The core includes a required junior level seminar, senior capstone seminar, and an internship. A concentration chosen by the student of 24 to 30 Credit Hours, depending on the concentration and its *Prerequisites*, with a required curriculum of six courses will provide specialized upper level training. The concentrations are:

- Film (VPF): video production and editing, screenwriting, etc.
- Graphic Art (VPG): digital, photography, animation, etc.
- Sound Art (VPM): audio and music technologies, sound design, and composition/performance of electronic music
- Studio Art (VPS): painting, drawing, and other studio media
- Theatre (VPT): acting, directing, play analysis, playwriting, production, etc.

A Visual and Performing Arts major, regardless of concentration, is required to take 59 credit hours of courses. These courses consist of a Required Core of 35 credit hours and 24 credit hours in their area of concentration. The Dance Concentration also has a four-credit hour Biology Requirement, which may be satisfied as part of the General Education requirements. Other courses may be deemed appropriate with the approval of the student's advisor and Department Chair. Visual and Performing Arts majors must also complete the following coursework and earn at least a grade of **C** in each course and their prerequisites. A minimum of 122 hours is required for graduation.

The Visual and Performing Arts Program Admissions Policy (VPCA Department)

Program's Response

Students are no longer considered VPA Majors or Minors by simply completing the JCSU Major/Minor Declaration form. The act of declaring VPA as a desired major/minor is the first step for students to begin establishing their intent, concentration, commitment and completion of becoming a member of the VPA Program as a valid recognized major/minor.

The Visual and Performing Arts Program admissions process consists of various measures of evaluation for the purpose of signifying, guiding and projecting a student's academic and creatively intellectual intentions. Once the review has been completed, a decision is made as to whether the student is accepted as a major/minor. Following the completion of the VPA admission requirements, the student is sent a letter of acceptance or denial from the Department Chairperson via hard copy and their student email address.

Every student interested in *majoring in* the Visual and Performing Arts Program is required to complete an application and all other requirements for consideration before receiving admission into the VPA Program. The VPA admission application must be completed before a student can be recognized as a VPA major or minor. (Students who choose a VPA minor are not required to complete the full application requirements. See "Students declaring a minor" section below.

Once the VPA admissions application packet has been completed, the packet is reviewed by the Advisor or the Department Chairperson to ensure it contains all of the required documentation and is then distributed to the Visual and Performing Arts Program admissions process.

Incoming transfer students with a desire to gain admission into the VPA Program must first make an appointment with their Advisor for advisement about their transferable courses, their portfolio review and clarity regarding the admissions application. Some transfer students may already have an accomplished academic history and craft portfolio, which would omit their need to be evaluated in the same manner as a transfer student without these same measures. Transfer students will still need to complete VPA 230 Seminar Pract in the Vis & Perf art/VPA 231 Seminar Practicum in VPA II as VPA core course and VPA admission requirements.

Students declaring a minor in any VPA concentration (Animation, Dance, Photography, Theater and Fine Arts with an emphasis in Graphic Arts) would need to provide the following: ***VPA written application, personal statement, an interview with the advisor and an applicable portfolio or audition documents, as well as the completion of the applicable credit hours.*** The available minors with required credit hours offered in the VPA Program are: Animation (21 credit Hours), Dance (22 Credit Hours), Photography (21 Credit Hours), Theater (21 Credit Hours) and Fine Arts with an emphasis in Graphic Art (18 Credit Hours). These measures are intended to ensure that those minoring in these programs have the experience and aptitude to be successful in the minor.

Students declaring a major in any VPA major will be evaluated based on the following criteria (Sections 1, 2 & 3):

1. **VPA Admission Application:** All students must complete the VPA Application. (VPA Application consists of sections **a-d**, listed below.)
   a. **Interview:** Students will have an appointment to be interviewed either by the VPA Faculty and/or Advisor.
   b. **Personal Statement:** The student's one-page personal statement of intent is to discuss their interest to enter the VPA Program and profession. This statement will be reviewed and evaluated to determine if the student's personal interests are aligned with that of the VPA Program and profession.
   c. **Faculty/Staff Evaluation & Academic Evaluation:** The student is evaluated on their ability to perform academically at satisfactory levels based on their unofficial transcript. (Candidates must have a 2.0 GPA.)
   d. **Audition or Portfolio Review:** Students must complete an audition or portfolio review before gaining admission to the VPA program.

2. **VPA Orientation Program:** Students will be notified at the beginning of the fall semester regarding scheduled date of the VPA Orientation. The orientation is designed to acclimate students to the curriculum, foundation, faculty and tools to succeeding academically, creatively and professionally in the VPA Program and in the VPA profession. If the student transfers into the program after their sophomore year, the student must complete the VPA orientation either the same semester they enroll (if during the fall semester) at JCSU or at the next available scheduled orientation.
3. **VPA 231 Seminar Practicum in VPA II:** Students must complete the VPA 231 Seminar Practicum in VPA II course in the spring of their

sophomore year with a grade of C or better before gaining admission into the VPA Program. If a student is off-sequence or transferred into JCSU during the spring semester, the student must complete VPA 230 Seminar Pract in the Vis & Perf art in the following fall semester, then complete VPA 231 Seminar Practicum in VPA II. This course must be completed in proper sequence or it can cause students an extended matriculation due to improper or delayed completion of this course. Students must complete the required *Prerequisite* VPA 230 Seminar Pract in the Vis & Perf art before they can take VPA 231 Seminar Practicum in VPA II in order to gain admission into the program.

The VPA Termination Policy governs the removal of students from the VPA program if they fail to maintain a 2.0 GPA within the major or minor and a cumulative 2.0 GPA for 3 consecutive semesters. Once a student has been identified as having a cumulative GPA below 2.0, this will begin any necessary review by the advisor to analyze the students' VPA core and concentration scores. If it is found that the student has not achieved the required VPA academic standard, the advisor will begin the VPA termination process.

The Termination Policy Process

1. Conduct a meeting with the student and advisor to discuss academic actions related to the students below standard scores and devise a plan to raise the academic scores.
2. If the GPAs (within major and cumulative) remain below the standards stated above for a second consecutive semester, the student will then meet with the Advisor and the Department Chair to discuss a plan to raise the GPA. At this meeting, the student will be informed that if their GPA does not meet the standards stated above after the third semester, the student will be removed from the VPA Program.
3. If the GPAs (within major and cumulative) remain below the standards stated above for a third consecutive semester, the student will then receive a dismissal letter from the Dean of Arts and Letters concerning their removal from the VPA program.

Following the VPA Admissions or Termination Process, a decision will be delivered to the student by mail. The student will receive a letter of acceptance, denial, or conditional admittance from the Department Chairperson. If accepted into the VPA Program, majors should also understand that they must maintain a 2.0 GPA and a 2.0 cumulative score to remain in the Program.

Students may be accepted on a conditional basis. In these cases, an academic or professional development plan must be established before academic instruction begins. This process affords the student an opportunity to work with an advisor in the VPA Program to identify areas in which the student needs to be nurtured to achieve the appropriate level of academic and professional performance. **These situations may include, but are not limited to:**

- students without a portfolio,
- with a limited portfolio,
- learning disabilities,
- legal ramifications,
- medical constraints and/or
- military affiliations.

If a student is admitted on a conditional basis, an academic success plan is developed between the student, their advisor, Department Chair and proper administrative staff to ensure that appropriate goals and resources are identified to assist the student in achieving the necessary improvements. **These actions may include, but are not limited to:**

- progress reports,
- periodic meetings,
- required study or studio time,
- midterm review, and/or
- academic assessment in all courses between the advisor and student.

If a student is admitted on a non-academic conditional basis, students may be referred to the counseling department or other necessary resources to address their concerns.

This admission and termination process has been developed by the VPA Program to establish, maintain and validate the standard of quality and professional preparation necessary for preparing its majors/minors for either graduate-level learning or professional employment. Students who accept and fulfill this measure of evaluation should recognize that this act of gatekeeping ensures the required level of commitment and dutiful examination of VPA Majors/Minors desire and action to be an artist, scholar and professional resource of creative intelligence.

Visual and Performing Arts Requirements

Code	Title	Hours
Required Core		
MUS 131	Introduction to Music Literature	3
PED 125	Rhythm & Dance	2
or VPD 223	Concert Dance I	
VPA 230	Seminar Pract in the Vis & Perf art	3
VPA 231	Seminar Practicum in VPA II	3
VPA 330	Jr. Sem: Portfolio & Proj. Develop	3
VPA 430	Sr. Sem: Final Proj & Paper	3
VPA 431	Internship in VPA	3
VPF 233	Film Criticism	3
VPG 230	Basic Design	3
VPS 233	Art Appreciation	3
VPT 232	Introduction to Theatre	3
Concentrations		
Select one of the following concentrations:		24
Film Concentration (p. 55)		
Graphic Art Concentration (p. 55)		
Sound Art Concentration (p. 55)		
Studio Art Concentration (p. 55)		
Theatre Concentration (p. 55)		
Total Hours		**56**

Dance Concentration

Code	Title	Hours
Biology Requirement		
BIO 143	Intro to Biology I	4
Dance Requirements		
VPD 332	Kinesiology	3
VPD 233	Ballet II	3
VPD 333	Modern I	3
VPD 334	Jazz I	3

VPD 335	Modern II	3
VPD 432	Dance as an Art Form	3
VPD 433	Dance Composition	3
VPD 434	Ballet III	3
or VPD 435	Modern III	
Additional Dance Electives		15

Film Concentration

Code	Title	Hours
VPF 331	Screenplay Writing for Short Film	3
VPF 333	Electronic Cinematography	3
VPF 334	Production Workshop	3
VPF 431	Documentary Workshop	3
VPF 432	Documentary Workshop II	3
VPF 434	Narrative Workshop I	3
VPF 435	Narrative Workshop II	3
Additional Film Electives		18

Graphic Art Concentration

Code	Title	Hours
VPG 231	Intro to Graphic Production	3
VPG 235	Graphic Design I	3
VPG 336	Graphic Design II	3
VPG 233	Photojournalism I	3
VPG 433	Animation I	3
VPG 434	Graphic Design III	3
VPG 436	Animation II	3
Additional Graphic Arts Courses		21

Sound Art Concentration

Code	Title	Hours
MUS 113	Piano (Individual)	1
MUS 114	Piano (Individual)	1
MUS 143	Music Theory I	3
MUS 312	Electro Acoustic Music Ensemble	1
VPM 219	Composition with Technology [1]	1
VPM 232	Introd to Sound Music Technologies [2]	3
VPM 331	Intro to Music Business [3]	3
VPM 332	Intermediate Sound and Music Techno [4]	3
VPM 432	Advanced Sound and Music Technology	3
VPM 499	Special Topics in VPM [5]	3

1. Formerly MUS 219 Composition With Technology
2. Formerly MUS 232 Introduction To Music Technologies
3. Formerly MUS 331 Intro to Music Business
4. Formerly MUS 332 Survey of Electronic Music
5. Or additional MUS courses for which student is qualified; e.g., music theory, individual instrumental/vocal instruction, etc.

Studio Art Concentration

Code	Title	Hours
VPG 231	Intro to Graphic Production	3
VPG 235	Graphic Design I	3
VPS 332	Drawing	3
VPS 333	Painting I	3
VPS 334	Painting II	3
VPS 432	Figure Drawing	3
VPS 433	Illustration Media	3
VPS 434	Studio Sculpture	3
Additional Studio Art Courses		15

Theatre Concentration

Code	Title	Hours
VPT 233	Acting	3
VPT 237	Play Analysis	3
VPT 333	Drama Workshop	3
VPT 433	Modern Drama	3
VPT 434	Directing	3
VPT 438	Advanced Acting	3.00
VPT 235	Technical Theatre I	3
VPT 236	Technical Theatre II	3
VPT 490	Theatre Practicum [1]	1
Additional Theatre Courses		20

1. VPT 490 Theatre Practicum may be repeated for credit up to a total of 3 credit hours.

Social Science and Interdisciplinary Studies

The Department of Social Science and Interdisciplinary Studies includes programs and coursework in Criminology, Cultural Studies, Interdisciplinary Studies, Political Science, Pre-Law, and Sociology.

Nicola D. Bivens (2008)
Associate Professor of Criminology
Department of Social Science and Interdisciplinary Studies
B.S., 1991, South Carolina State University
M.S., 1997, University of North Carolina-Charlotte
Ed.D., 2005, Nova Southeastern University

Anita Bledsoe-Gardner (2009)
Associate Professor of Criminology
Department of Social Science and Interdisciplinary Studies
B.S., 1995, Mississippi State University
M.S., 1996, Mississippi State University
Ph.D., 2002, Berne University

Erin DiCesare (2013)
Associate Professor of Interdisciplinary Studies
Department of Social Science and Interdisciplinary Studies
B.A., Florida State University, 2004
M.A., Florida State University, 2006
Ph.D., Florida State University, 2010

Helen Adair King (2020)
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Department of Social Science and Interdisciplinary Studies
B.A., 2003, Wake Forest University
M.P.A., 2005, University of North Carolina at Charlotte
M.A., 2014, University of South Carolina
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Terza Lima-Neves (2010)
Chair, Department of Social and Behavioral Sciences
Associate Professor of Political Science
Department of Social Science and Interdisciplinary Studies
B.A., 2000, Providence College-Providence, RI
M.A., 2006, Clark Atlanta University
Ph.D., 2009, Clark Atlanta University

Shawn Miklaucic (2012)
Director, Liberal Studies/Foundations Curriculum
Assistant Professor of Interdisciplinary Studies
Department of Social Science and Interdisciplinary Studies
Department of Arts and Humanities
B.A., 1990, University of Michigan
M.S., 1997, Illinois State University
Ph.D., 2004, University of Illinois, Urbana-Champaign

Keri Petersen (2017)
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Department of Social Science and Interdisciplinary Studies
B.A., 1997, North Carolina State University
M.A., 2001, North Carolina State University

Deborah Quick (1993)
Associate Professor of Sociology
Department of Social Science and Interdisciplinary Studies
B.A., 1980, UNC - Charlotte, NC
M.A., 1984, Vanderbilt University
Ph.D., 1988, Vanderbilt University

Thierno Thiam (2023)
Dean of the College of Liberal Arts
Duke Endowed Professor of Political Science
Department of Social Science and Interdisciplinary Studies

Majors

- Criminology Major (p. 56)
- Cultural Studies Major (p. 56)
- History Major (p. 58)
- Interdisciplinary Studies Major (p. 59)
- Political Science Major (p. 59)

Minors

- Criminology Minor (p. 56)
- Cultural Studies Minor (http://catalog.jcsu.edu/university-catalog/academic-colleges/college-liberal-arts/social-sciences-and-interdisciplinary-studies/cultural-studies-minor/)
- Cyber-Intelligence and Technology Minor (p. 57)
- Ethics Minor (p. 57)
- Global Studies Minor (p. 58)
- History Minor (p. 59)
- Political Science Minor (p. 59)
- Pre-Law Minor (p. 60)
- Sociology Minor (p. 60)
- Women, Gender, and Sexuality Studies Minor (http://catalog.jcsu.edu/university-catalog/academic-colleges/college-liberal-arts/social-sciences-and-interdisciplinary-studies/women-gender-and-sexuality-studies-minor/)

Criminology Major

A Criminology major is required to take 64 credit hours of courses to complete their major, a portion of which may be satisfied by completing General Education requirements. These courses consist of a Required Core of 52 credit hours, a 3 credit hour Statistics Requirement (e.g., a student must take either MTH 136 Introductory Statistics or SOC 233 Statistics Social & Behavioral Sci/PSY 233 Descriptive & Predictive Statistics to satisfy the Statistics Requirement; note that SOC 233 Statistics Social & Behavioral Sci/PSY 233 Descriptive & Predictive Statistics requires an additional 3 credit hour *Prerequisite*), and a 9 credit hours of Social Science Requirement. Other courses may be deemed Criminology electives with the approval of the Criminology Coordinator and Department Chair. A minimum of 122 is required for graduation.

Criminology majors also complete the following course work and earn at least a grade of **C** in each course.

Code	Title	Hours
Required Core		
CRM 131	Introduction to Criminal Justice	3
CRM 233	Ethics in Criminal Justice	3
CRM 237	Juvenile Delinquency	3
CRM 332	Law Enforcement and the Community	3
CRM 335	Institutional Correction	3
CRM 336	Community Based Cor. & Re-entry Prg	3
CRM 339	Criminology	3
CRM 432	Social Research I	3
CRM 433	Social Research II	3
CRM 436	Internship in Criminology	3
CRM 437	American Criminal Courts	3
CRM 490	Senior Paper in Criminology	3
Criminology Electives		12
SOC 131	Principles of Sociology	3
Statistics Requirement		
SOC/PSY 233	Statistics Social & Behavioral Sci	3
or MTH 136	Introductory Statistics	
Social Sciences Requirement		
POL 131	American Government	3
Social Science Electives [1]		6
Total Hours		**63**

[1] Social Science electives from Anthropology, Economics, History, Political Science, Psychology, or Social Work

Criminology Minor

A Minor in Criminology consists of 18 Credit Hours in Criminology, including CRM 131 Introduction to Criminal Justice. Minors in Criminology must earn a grade or above in all courses counting toward the minor.

Cultural Studies Major

A major in Cultural Studies consists of 51 program credit hours. These courses consist of 27 credit hours of Required Core Courses and 24 hours in the Concentration Areas. A minimum of 122 credit hours is required

for graduation. Students must comply with all University requirements for graduation, including General Education requirements (Liberal Studies Program) and Senior Paper. The student must earn at least a grade of C in the required courses for the major.

Code	Title	Hours
Required Core		
CST 131	Introduction to Cultural Studies	3.00
CST 231	Intro to Cultural Theory	3.00
CST 232	Introd to Critical Studies in Race	3.00
CST 233	Intro to Gender and Sexual Studies	3.00
CST 234	Introduction to Pop Culture	3.00
CST 331	Junior Seminar in Cult Studies	3.00
CST 431	Senior Seminar I	3.00
CST 432	Senior Seminar II	3.00
REL 131	Survey of the Great Living Religion	3.00

Concentration Tracks (24 Hours): Students choose one of five concentrations within the major and additional four courses within that concentration from the list of courses below. In addition, they choose four elective courses.

Code	Title	Hours
Critical Studies in Race		
AAS 231	Intro to Africana Studies	3.00
AAS 495	Special Topics in Africana Studies	3.00
CST 321	Critical Race Theory	3.00
ENG 494	Afro-American Literat: 1920 t Prese	3.00
ENG 495	African American Literature	3.00
HIS 237	Introduction to Africa	3.00
HIS 338	Topics African-American History I	3.00
HIS 339	Topics African American History II	3.00
LS 130	ID: African-American & Other Cul Tr	3
POL 235	Contemporary African Politics	3.00
POL 339	Black Political Thought	3.00
PSY 331	Black Psychology	3.00
SPA 438	Afro-Hispanic Literature and Cultur	3.00
VPT 330	African- American Film History	3.00

Code	Title	Hours
Gender and Sexuality		
CST 332	Rapsody's Eve and Hip-Hop Feminism	3.00
HED 232	Human Sexuality and Family Living	3.00
HED 236	Women's Health	3.00
HED 439	Queer Studies	3.00
HIS 392	Women's History	3.00
POL 430	Women in Politics	3.00
PSY 390	Women Race and Class	3.00
SPA 364	Latin American Women Writers	3.00

Code	Title	Hours
Popular Culture		
ENG 426	The Contemporary Graphic Novel	3.00
IDS 296	Sole Food: Digestible Sneaker Cultr	3.00
REL 237	Religious Art and Visual Culture	3.00
SPA 346	Cultural Rootedness:	3.00
SPA 364	Latin American Women Writers	3.00
SPA 383	Intro to Life Writing, Memoir & Bio	3.00
SPA 437	Hispanic Film	3.00
SPA 438	Afro-Hispanic Literature and Cultur	3.00
VPT 330	African- American Film History	3.00

Code	Title	Hours
Religious Studies		
ETH 331	Comparative Religious Ethics	3.00
ETH 333	Social Analysis and Ethical Reflect	3.00
REL 231	Introduction to the Old Testament	3.00
REL 232	Introduction to the New Testament	3.00
REL 237	Religious Art and Visual Culture	3.00
REL 331	Hist. & Theology of Black Church	3.00
REL 332	Intro to Liberation Theology	3.00
REL 335	The Sociology of Religion	3.00
REL 337	Islam in America	3.00

Code	Title	Hours
Generalist Concentration		
Two courses from each of the above concentrations (24 credits total).		

Cyber-Intelligence and Technology Minor

The minor in Cyber-Intelligence and Technology consists of 21 hours, including twelve (12) hours of required courses and nine (9) hours of approved electives (3 hours from CRM; 6 hours from CSC).

All courses require a grade of **C** or higher.

Code	Title	Hours
Required Core		
CRM 131	Introduction to Criminal Justice	3
CRM 231	Foundations of the Intelligence Com	3
CRM 233	Ethics in Criminal Justice	3
CSC 239	GIS Mapping	3
Intelligence Community and Technology Electives		
Select nine hours from the following:		9
CRM 333	Terrorism	
CRM 338	Homeland Security	
CSC 238	Introduction to Information Securit	
CSC 431	Computer and Network Forensics	
CSC 432	Data Mining	
Total Hours		**21**

Ethics Minor

A minor in Ethics consists of a minimum of 18 Credit Hours, including a 3-credit hour prerequisite and 15 credit hours as distributed below.

Minors in Ethics must earn a grade of **C** or better in all courses counting toward the minor.

Code	Title	Hours
Prerequisite		
ETH 131/PHI 234	Introduction to Ethics	3
Required Core		
ETH 231	History of West Social & Polit II	3
ETH 232	History of West Social & Pol I	3
Electives		
Select nine hours from the following:		9
ETH 233	Christian Ethics	
ETH 331	Comparative Religious Ethics	
ETH 333	Social Analysis and Ethical Reflect	
ETH 431	Special Topics in Ethics	
SPM 435	Sport Sociology and Ethics	
SWK 340	Values and Ethics	
COM 445	Journalism Ethics	
PLS 433	Ethical Leadership in a Changing	
Total Hours		**18**

Global Studies Minor

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

Minors in Global Studies must earn a grade of **C** or better in all courses counting toward the minor.

Code	Title	Hours
Select 18 hours from the following:		18
BAF 334	International Finance	
BUS/ECO 233	Business Statistics	
COM 432	Intercultural Communication	
ECO 432	Economic Development	
ECO 438	Environmental Economics	
HED 335	Minority Health Problems & Issues	
HIS 132	World Civilizations 1500 to present	
HIS 237	Introduction to Africa	
HIS 238	Modern Latin America	
HIS 337	West Africa	
HIS 431	Twentieth Century Europe	
HIS 432	Southern Africa	
HIS 435	Northern Africa	
IDS 496	Special Topics	
MGT 438	International Business	
MKT 435	International Marketing	
MKT 331	Principles of Marketing	
POL 230	Intro to Political Analysis	
POL 332	Third World Politics	
POL 334	International Relations	
POL 335	Political Theory	
POL 433	International Organization	
Total Hours		**18**

History Major

A History major is required to take 57 credit hours of courses to complete their major. These courses consist of 27 credit hours of Required History Courses, 3 Credit Hours of United States History Electives, which may require up to an additional 4 credit hours of *Prerequisites*; 3 credit hours of European History Electives, 3 credit hours of Non-Western History Electives; 9 credit hours of Open History Electives, and a 12-credit hour Social Science Requirement, including *Prerequisites That* may satisfy General Education requirements. Other courses may be deemed History electives with the approval of the History Coordinator and Department Chair.

This program is no longer accepting new majors.

History majors must also complete the following coursework and earn at least a grade of C in all required major courses and major prerequisites courses.

Code	Title	Hours
Required History Courses		
HIS 131	World Civilizations to 1500	3
HIS 132	World Civilizations 1500 to present	3
HIS 135	History the United States to 1865	3
HIS 136	History of the US Since 1865	3
HIS 200	Historical Methodology	3
HIS 338	Topics African-American History I	3
HIS 339	Topics African American History II	3
HIS 490	Senior Investigative Paper I	3
HIS 491	Senior Investigative Paper II	3
United States History Electives		
Select three hours from the following:		3
HIS 231	North Carolina History	
HIS 330	American Colonial Civilization	
HIS 331	Public History	
HIS 333	Diplomatic History of the US	
HIS 334	Amer Revolution & Fed: 1776-1820	
HIS 336	Emerg Modern America: 1865-1914	
HIS 392	Women's History	
HIS 393	History of the US in the 20th Cent.	
HIS 433	The Old South	
HIS 434	The New South	
HIS 438	Internship in Public History	
HIS 439	Internship	
European History Electives		
Select three hours from the following:		3
HIS 394	Early Modern Europe: 1350-1789	
HIS 430	Nineteenth Century Europe 1789-1914	
HIS 431	Twentieth Century Europe	
Non-Western History Electives		
Select three hours from the following:		3
HIS 237	Introduction to Africa	
HIS 238	Modern Latin America	
HIS 239	Plantation Societies in America	
HIS 337	West Africa	
HIS 432	Southern Africa	

HIS 435	Northern Africa	
Open History Electives		
Select nine hours of HIS Electives		9
Social Sciences Requirement		
ECO 231	Principles of Macroeconomics	3.00
MTH 132	Finite Math (or Higher or Permission of Instructor)	3
POL 131	American Government	3
SOC 131	Principles of Sociology	3
Total Hours		**57**

History Minor

A Minor in History consists of 18 Credit Hours including HIS 131 World Civilizations to 1500, HIS 132 World Civilizations 1500 to present, HIS 135 History the United States to 1865, and HIS 136 History of the US Since 1865. Minors in History must earn a grade or above in all courses counting toward the minor.

Interdisciplinary Studies Major

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

A major in Interdisciplinary Studies consists of 63 program credit hours. These courses consist of 15 credit hours of Required Core Courses, 30 credit hours in a Major Concentration Area, and 18 credit hours in a Minor Concentration Area. In addition, all students must take 46 Credit Hours of Liberal Studies courses, and at least 6 elective hours. A minimum of 122 credit hours is required for graduation. Students must comply with all the University's requirements for graduation, including the General Education requirements (Liberal Studies Program) and Senior Paper. The student must earn at least a grade of **C** in the required courses for the Major and their prerequisites.

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

Students must comply with all the University's requirements for graduation, including but not limited to the Liberal Studies requirements and Senior Paper.

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

Required Core

The required core of fifteen hours consists of:

Code	Title	Hours
IDS 231	Introduction to Interdiscip. Studie	3
IDS 331	Junior Seminar	3
IDS 431	Senior Capstone I	3
IDS 432	Senior Capstone II	3
PLS 236	Critical Thinking	3
Total Hours		**15**

Political Science Major

A Political Science major is required to take 57 credit hours of courses to complete their major. These courses consist of a Required Core of 30 credit hours, 18 credit hours of Political Science electives, and a 12-credit hour Social Science Requirement. Other courses may be deemed Political Science electives with the approval of the Political Science Coordinator and Department Chair.

Political Science majors must also complete the following coursework and earn at least a grade of **C** in each course.

Code	Title	Hours
Required Core		
POL 100	Introduction to Political Science	3
POL 131	American Government	3
POL 230	Intro to Political Analysis	3
POL 333	Comparative Political Systems	3
POL 334	International Relations	3
POL 335	Political Theory	3
POL 398	Research Methods	3
POL 431	Policy Analysis	3
POL 434	Constitutional Law I	3
POL 499	Senior Paper	3
Political Science Electives		
Select 18 hours from the following:		18
POL 231	State and Local Politics	
POL 235	Contemporary African Politics	
POL 330	Public Administration & Management	
POL 331	Law and Politics	
POL 332	Third World Politics	
POL 339	Black Political Thought	
POL 430	Women in Politics	
POL 432	Seminar in American Politics	
POL 433	International Organization	
POL 435	Civil Rights & Civil Liberties	
POL 437	Foreign Policy	
POL 438	Seminar in Political Theory	
POL 439	Internship	
POL 491	Special Topics in Political Science	
Social Sciences Requirement		
ECO 231	Principles of Macroeconomics	3
HIS 136	History of the US Since 1865	3
SOC 131	Principles of Sociology	3
PSY/SOC 233	Descriptive & Predictive Statistics	3
or MTH 136	Introductory Statistics	
Total Hours		**60**

Political Science Minor

A Minor in Political Science consists of 18 Credit Hours of coursework in Political Science, including POL 131 American Government and POL 230

Intro to Political Analysis. Minors in Political Science must earn a grade of **C or** above for all courses counting toward the minor.

Pre-Law Minor

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

Requirements

A Pre-Law minor is required to take a minimum of 18 credit hours of courses with an overall grade point average of 2.5 to complete their minor. These courses consist of a Required Core of 6 credit hours and 12 credit hours of Pre-Law Electives, listed below. Please note that many of these courses require *Prerequisites*, which may drive up the number of credit hours a student must take to complete the minor. Other courses may be deemed appropriate with the approval of the Pre-Law advisor and Department Chair. Pre-Law minors must also complete the following coursework and earn at least a grade of C in each course.

Code	Title	Hours
Required Courses		
LAW 230	Introduction to Legal Studies	3
LAW 394	LSAT Preparation	3
Pre-Law Electives		
Select 12 hours from the following:		12
ACC 235	Financial & Managerial Account I	
CRM 131	Introduction to Criminal Justice	
CRM 435	Criminal Law	
ENG 331	Advanced Composition	
HIS 135	History the United States to 1865	
HIS 135	History the United States to 1865	
HIS 136	History of the US Since 1865	
PHI 233	Practical Logic	
POL 131	American Government	
POL 331	Law and Politics	
POL 434	Constitutional Law I	
POL 435	Civil Rights & Civil Liberties	
SPM 434	Sport & Law	
Total Hours		**18**

Sociology Minor

A Sociology minor is required to take a minimum of 18 credit hours of courses with an overall grade in each course.

Code	Title	Hours
Required Core		
SOC 131	Principles of Sociology	3
Electives		
Select 15 hours from the following:		15
SOC 133	Introduction Cultural Anthropology	
SOC 233	Statistics Social & Behavioral Sci	
SOC/SWK 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	Development of Social Theories	
SOC 436	Independent Study	
SOC 494	Special Topics	
Total Hours		**18**

College of Science, Technology, Engineering, and Mathematics (STEM)

The College of Science, Technology, Engineering, and Mathematics (STEM) prepares students to enter professional life as informed citizens who are able to communicate effectively, think critically, and demonstrate competence in their field of study. The College endeavors to acquaint students with the substance and methodology of the natural sciences and offers programs that combine Liberal Studies with specialized career-oriented training to prepare them for entry-level positions in education and industry immediately upon graduation. Additionally, students are provided opportunities to sharpen their analytical skills and to further develop leadership and interpersonal skills essential to professional career success.

Pre-Professional Opportunities in the Sciences

Pre-Medical, Pre-Dental, and Pre-Pharmacy Preparation

JCSU offers all courses required for preparation for medical, dental, pharmacy, and other allied health schools. A student may major in any area of study, but the University recommends a Major in Biology or Chemistry. The following Science courses are usually the minimum required for admittance to most medical schools: Biology, two semesters; Chemistry (general and organic), four semesters; and Physics, two semesters. Other specific courses are required by some medical schools. Academic advisors will aid students in arranging their programs.

Majors

- Biology and Chemistry Double Major (p. 76)
- Biology Major (p. 77)
- Chemistry Major (p. 78)
- Computer Engineering (CE) Major (p. 62)
- Computer Science/Information Systems (CS/IS) Major (p. 71)
- Information Systems Engineering (ISE) Major (p. 72)
- Mathematics Major (p. 73)
- Mathematics with Pre-Math Finance Concentration Major (p. 74)
- Psychology Major (p. 79)

Minors

- Bioinformatics Minor (p. 61)
- Bioinformatics Minor (p. 75)
- Biology Minor (p. 78)

- Chemistry Minor (p. 79)
- Computer Engineering Minor (p. 62)
- Computer Science Minor (p. 71)
- Cyber Security Minor (p. 72)
- Data Science Minor (p. 72)
- Mathematics Minor (p. 74)
- Sustainability Minor (p. 79)

Computer Science, Engineering, and Mathematics

This Department houses programs and coursework in Computer Science, Computer Engineering, Data Science, Information Systems, and Mathematics.

Awatif Amin (2001)
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B.S., 1995, Clark Atlanta University
M.S., 1995, Clark Atlanta University

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B.S., 1983, Tsinghua University, China
M.S., 1987, Beijing Institute of Technology, China
Ph.D., 2000, Florida Atlantic University

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Ph.D., 2016, University of Cincinnati

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Ph.D., 1984, Sussex University, England

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B.S., 1983, Florida A & M University
M.Ed., 1989, Florida A & M University
Ph.D., 1997, Florida State University

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B.S., 1980, Andhra University
M.S., 1983, Andhra University
M.A., 1986, The University of Toledo (Ohio)
Ph.D., 1992, The University of Toledo (Ohio)

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Department of Computer Science, Engineering, and Mathematics
B.A., 1995, State University of New York, College at Geneseo
M.S., 1998, Clemson University
Ph.D., 2004, Clemson University

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B.A., 1991, The University of Mississippi
M.S., 1993, The University of Mississippi
Ph.D., 2001, The University of Mississippi

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B.S., 1997, Benedict College
M.B.A., 2006, University of Phoenix

Felesia Stukes (2017)
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B.S., 1998, North Carolina A&T State University
M.S., 2003, UNC Charlotte
Ph.D., 2016, UNC Charlotte

Hampton Wright (2012)
Professor of Mathematics
Department of Computer Science, Engineering, and Mathematics
B.S., 1956, Benedict College
M.S., 1959, Howard University
Ph.D., 1973, North Carolina State University

Bioinformatics Minor

A Minor in bioinformatics requires 19 Credit Hours: 13 credit hours of Bioinformatics Requirements and at least 6 credit hours of Restricted Electives. At least 8 of these hours cannot also be counted toward a student's major(s). Courses marked with an asterisk have prerequisites outside of the core requirements for this minor; see the course descriptions for details. Students enrolled before 2017/2018 will follow the requirements of the minor described in the 2017/2018 catalogue.

A Bioinformatics Minor must complete the following required coursework and electives and earn at least a grade of **C** in each course.

Code	Title	Hours
Bioinformatics Requirements		
BIO 143	Intro to Biology I	4
BIO/CSC 336	Introduction to Bioinformatics	3
CSC 339	Bioinformatics Programming	3
MTH 438	Biostatistics	3
Bioinformatics Restricted Electives		
Select six hours from the following:		6
BIO/CHE 333	Biochemistry I [1]	
BIO 341	Genetics [1]	

BIO/CHE 422	Laboratory Projects in Biology (topic in Bioinformatics/Genomics)	
BIO/CHE 430	Research Problems in Biology (topic in Bioinformatics/Genomics)	
BIO/CSC 433	Exploration in Genomics	
BIO/CSC 435	Special Topics: Bioinformatics	
BIO 434	Introduction to Pharmacogenomics	
CSC 135	Intro to Programming Python	
CSC 432	Data Mining	
CSC 438	Database Processing [1]	
Total Hours		**19**

[1] *Course requires a prerequisite.*

Any of the courses in the minor can be replaced with:

NSC 429 Senior Seminar I (2 Credit Hours) + NSC 419 Senior Seminar II (1 Credit Hour) with a Senior Paper written on a topic in Bioinformatics or Genomics that satisfies the Biology major requirement.

or

CSE 430 Senior Project (3 Credit Hours) on a topic in Bioinformatics or Genomics that satisfies the requirements of the respective majors offered in the Department of Computer Science and Engineering.

Computer Engineering (CE) Major

A Computer Engineering major is required to take 84 credit hours of courses, 8 of which can be applied to the Liberal Studies requirements. These courses consist of 25 credit hour Computer Science core, 27 credit hours of Computer Engineering requirements; 9 credit hours of Restricted Electives; and 23 Credit Hours of Additional Required Courses, 8 credit hours of which may be used for General Education requirements. **If students place into courses lower than the starting courses indicated, they will have to take additional hours to meet these *Prerequisites.* Course *Prerequisites* are described in the course descriptions.** Other courses may be deemed appropriate with the approval of the student's advisor and Department Chair.

Computer Engineering majors must complete the following coursework and earn at least a grade of **C** in each course.

Code	Title	Hours
Computer Science Core		
CSE 138	Intro Computer Science & Engineerin	3
CSC 210	Career Preparation Seminar I	1
CSC 211	Career Preparation Seminar II	1
CSC 241	Computer Programming I with Lab	4
CSC 242	Computer Programming II with Lab	4
CSC 234	Data Structures & Algorithms	3
CSC 332	Computer Networking	3
CSC 333	Computer Organization & Architectur	3
CSE 430	Senior Project	3
Computer Engineering Requirements		
CSE 330	Logic & Digital Circuits	3
CSE 331	Circuit Theory	3
CSE 332	Foundations of Semiconductor Device	3
CSE 334	Electronic Measurement & Design	3
CSE 335	Circuit Theory II	3
CSE 432	Electronics Circuit Design	3
CSE 433	Digital Signal Processing	3
CSE 434	Advanced Electronic Systems	3
CSE 438	Advanced Logic & Microprocessors	3
Restricted Electives		
Select nine hours from the following:		9
CSE 435	Practicum	
CSE 439	Sp Top: Computer Science & Engineer	
CSC 331	Applications Programming	
CSC 334	Introduction to Operating Systems	
CSC 335	Internet Programming	
CSC 336	Introduction to Bioinformatics	
CSC 339	Bioinformatics Programming	
CSC 432	Data Mining	
CSC 433	Explorations in Genomics /Bioinform	
CSC 435	Special Topics in Bioinformatic Alg	
CSC 437	Software Engineering	
CSC 438	Database Processing	
Additional Required Courses		
MTH 231	Calculus I	3
MTH 232	Calculus II	3
MTH 333	Probability & Statistics I	3
MTH 336	Introductory Linear Algebra	3
MTH 433 or MTH 434	Mathematics for Scientists and Eng Differential Equations I	3
PHY 243	Mechanics (Applied to LS Natural Science Pillar requirement)	4
PHY 244	Electrodynamics (Applied to LS Natural Science Pillar requirement)	4
Total Hours		**84**

Computer Engineering Minor

A Minor in Computer Engineering requires 18 credit hours, consisting of 15 credit hours of Computer Engineering Requirements and credit hours of Computer Engineering Electives.

A Computer Engineering Minor must complete the following required coursework and electives and earn at least a grade of **C** in each course.

Code	Title	Hours
Computer Engineering Requirements		
CSE 138	Intro Computer Science & Engineerin	3
CSE 330	Logic & Digital Circuits	3
CSE 331	Circuit Theory	3
CSE 332	Foundations of Semiconductor Device	3
CSE 334	Electronic Measurement & Design	3
Computer Engineering Recommended Electives		
Select three hours from the following:		3
CSE 432	Electronics Circuit Design	
CSE 433	Digital Signal Processing	
CSE 435	Practicum	

CSE 436	Automatic Control Systems	
CSE 438	Advanced Logic & Microprocessors	
CSE 439	Sp Top: Computer Science & Engineer	
Total Hours		**18**

Computer Science and Engineering

Each Department program may be completed in four years each if the student has the required *Prerequisites*. The programs are offered to prepare students for competitive careers and graduate school opportunities in a wide spectrum of the Information Technology profession, including software, hardware, programming, systems analysis, computer networking, telecommunications, robotics and automatic control systems, digital signal processing (DSP), information systems, and digital/analog electronics.

A major in Computer Engineering consists of 67 program credit hours. In addition, all students must take 47 Credit Hours of Liberal Studies courses, and at least 9 elective hours. A minimum of 123 credit hours is required for graduation.

A major in Computer Science/Information Systems consists of 70 program credit hours. In addition, all students must take 46 Credit Hours of Liberal Studies courses, and at least 9 elective hours. A minimum of 125 credit hours is required for graduation.

A major in Information Systems Engineering consists of 67 program credit hours. In addition, all students must take 47 Credit Hours of Liberal Studies courses, and at least 9 elective hours. A minimum of 123 credit hours is required for graduation.

Students must comply with all University requirements for graduation, including the General Education requirements (Liberal Studies Program of 46 credit hours) and Senior Paper. The student must earn at least a grade of C in the required courses for the Major and their *Prerequisites.*

Honors Program

The Department of Computer Science and Engineering offers an Honors Program for students who satisfy the following requirements:

Eligibility

- Have an overall GPA of 3.2 or better
- Have a GPA of 3.5 or better in all courses required for the Major

Requirements

- Participate in a scientific research experience on or off-campus
- Make one scientific presentation at an off-campus event or professional meeting or conference
- Complete a Senior Investigative Paper and receive a grade of **B** or better.

Upon completion of these requirements, a student may graduate with Honors based on the judgment of the Computer Science and Engineering Department faculty.

Minors in the Computer Science and Engineering Department

Each minor consists of 6 courses, totaling 18-19 credit hours. The required courses may have *Prerequisites* or corequisites that are not included in the total hours. **If students place into courses lower than the starting courses indicated, they will have to take additional hours to meet these *Prerequisites.* Course *Prerequisites* are described in the course descriptions.** See the course descriptions for these *Prerequisites* and/or co-requisites.

O

Sabina Otienoburu (2016)
Assistant Professor of Bioinformatics
Department of Computer Science and Engineering
M. Sc., 2005, Karolinska Institutet
Ph.D., 2009, Karolinska Institutet

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

No results were found.

The Department offers Minors in the following areas:

No results were found.

Computer Science (CSC)

CSC 131 Computers in Society
3.00 credit hours
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 133 Web Design
3.00 credit hours
CS 133- Web Design Three Credit Hours This course will cover the basis of Web page and Web site Design. Students will be able to develop platform-independent sites using HTML and CSS.

CSC 134 Computer Science Principles
3.00 credit hours
CSC 134 Computer Science Principles Three credit hours This course introduces students to the foundational concepts of the field and challenges them to use computer science as a platform to positively impact their community. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts both locally and globally. NSP. IG
Prerequisites: None

CSC 135 Intro to Programming Python
3.00 credit hours
CSC 135 Introduction to Programming with Python Three credit hours This course aims to teach basic programming and computational concepts to students with little or no previous coding experience. It introduces core programming basics including data types, control structures, algorithm development, and program design with functions using the Python programming language.
Prerequisites: None

CSC 136 Intro to Network Science
3.00 credit hours
CSC 136 Introduction to Network Science Three credit hours This course introduces students to Network Science with applications for infrastructure, informational, biological, political, and relational emergency management systems. Topics include social network formation, diffusion processes such as epidemics or internet sharing, and techniques such as social network analysis. Through interdisciplinary examples, students learn about key aspects of disaster management networks and basic tools to analyze and visualize them.
Prerequisites: CSC 131

CSC 210 Career Preparation Seminar I
1.00 credit hours
CSC 210 Career Preparation Seminar I Once Credit Hour A seminar format discussion led by CSE faculty on topics in the areas of computer science and engineering. The seminar may include meetings with guest speakers, discussion of assigned readings, exploration of scientific literatures, and reflective writing.
Prerequisites: None

CSC 211 Career Preparation Seminar II
1.00 credit hours
CSC 211 Career Preparation Seminar II One credit hours A seminar format discussion led by CSE faculty on topics in the areas of computer science and engineering. The seminar may include meetings with guest speakers, discussion of assigned readings, exploration of scientific literatures, and reflective writing.
Prerequisites: None

CSC 230 Introduction to Programming
3.00 credit hours
CSC 230 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.
Prerequisites: MTH 131 or higher

CSC 231 Computer Programming I
3.00 credit hours
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 232 Computer Programming II
3.00 credit hours
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
3.00 credit hours
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.
Prerequisites: CSE 138, and MTH 131

CSC 234 Data Structures & Algorithms
3.00 credit hours
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.
Prerequisites: CSC 232

CSC 235 Data Analysis in Research
3.00 credit hours
CSC 235 Data Analysis in Research Three credit hours This course will provide a skill-set to analyze data to make data-driven decisions in biomedical research, the healthcare industry, or business environments. It includes an introduction to research methods, data visualization, and basic statistics using data analysis software. This course satisfies the Integrated Studies, Global Studies, and Emergent Fields pillar requirement in the Liberal Studies curriculum.
Prerequisites: CSC 131 and MATH 131 or higher

CSC 236 Intro to Medical Informatics
3.00 credit hours
CSC 236 Intro to Medical Informatics Three credit hours The field of Medical Informatics deals with the storage, retrieval and use of information in health care and medicine. In addition to fundamental principles this course will introduce students to the electronic health records, decision support systems, security issues, information retrieval, bioinformatics, public health informatics, imaging informatics, nursing informatics and consumer health informatics. Upon completion of the course, the students will be able to explain Healthcare data management, electronic medical records, Health IT software, computerized ECG, EEG and EMG, computer assisted medical imaging, and Magnetic Resonance.
Prerequisites: CSC 131
Liberal Studies Pillar: IG

CSC 238 Introduction to Information Securit
3.00 credit hours
CSC 238 Introduction to Information Security Three Credit Hours
This course provides a background, foundation, and insight into the subject of information security and assurance. The students will have a comprehensive understanding of threats, cryptography, attack detection/response, regulations, and information system risk management.

CSC 239 GIS Mapping
3.00 credit hours
CSC 239 GIS Mapping GIS (Geographic Information Systems) is a computer-based tool that uses spatial (geographic) data to analyze and solve real-world problems. This course is designed to introduce the student to the basic principles and techniques of GIS. The lab material will emphasize GIS data collection, entry, storage, analysis, and output using ArcGIS.

CSC 241 Computer Programming I with Lab
4.00 credit hours
CSC 241: Computer Programming I with Lab Four Credit Hours This course introduce core programming basics, computer program design, flow charts, pseudo codes, and fundamentals of structured and object-oriented programming including data types, control structures, algorithm development, and program design with functions. Course
Prerequisites: This course does not require any pre-requisite

CSC 242 Computer Programming II with Lab
4.00 credit hours
CSC 242: Computer Programming II with Lab Four credit hours This course introduces advanced theory, design and implementation of structured and object-oriented programming languages. In addition, the course is designed to present data flow, control structures, program units and storage management. Course
Prerequisites: Prerequisite: CSC241

CSC 330 Systems Analysis & Design
3.00 credit hours
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.
Prerequisites: CSC 231

CSC 331 Applications Programming
3.00 credit hours
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.
Prerequisites: CSC 234

CSC 332 Computer Networking
3.00 credit hours
CSC 332 Computer Networking Three Credit Hours This course provides an introduction to computer networking technologies, including architectures, protocols and interfaces. The students will have solid understanding of fundamentals of computer networks and major protocols. They will also gain experience in the design and analysis of network protocols through simulation and analytical models.

CSC 333 Computer Organization & Architectur
3.00 credit hours
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.
Prerequisites: CSC 232

CSC 334 Introduction to Operating Systems
3.00 credit hours
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.
Prerequisites: CSC 232

CSC 335 Internet Programming
3.00 credit hours
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.
Prerequisites: CSC 331

CSC 336 Introduction to Bioinformatics
3.00 credit hours
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 Introduction Programming Languages
3.00 credit hours
CSC 337-338 Introduction to Programming Languages Three credit hours This course covers fundamental characteristics, syntax, and structure of several major programming languages, plus formal specifications of syntax, data types, operations, subroutine subprograms, statement types, and program structure, run-time representation of programs and data, program linkage, and data transfer between programs.
Prerequisites: CSC 232

CSC 338 Introduction to Programming Languag
3.00 credit hours
CSC 337-338 Introduction to Programming Languages Three credit hours This course covers fundamental characteristics, syntax, and structure of several major programming languages, plus formal specifications of syntax, data types, operations, subroutine subprograms, statement types, and program structure, run-time representation of programs and data, program linkage, and data transfer between programs.
Prerequisites: CSC 232

CSC 339 Bioinformatics Programming
3.00 credit hours
CSC 339 Bioinformatics Programming Three credit hours This course introduces students to programming for bioinformatics. The Human Genome Project has produced large amount of molecular data currently stored in databases around the world. Students learn how to manipulate sequences and other biological data. Programming languages such as Python, suitable for manipulating textual data and pattern searching, is used to extract, modify, and manipulate data.
Prerequisites: CSC 336 (Cross listed as BIO 336)

CSC 421 Introduction to Theory of Computing
2.00 credit hours
NULL

CSC 422 Introduction to Theory of Computing
2.00 credit hours
NULL

CSC 430 Risk Analysis and Management
3.00 credit hours
CSC 430 Risk Analysis and Management This course is designed to teach students the principles of risk analysis and management. Student will be taught how to employ risk analysis and management principles to create coordinated and fiscally sound uses of resources to minimize, monitor, and control risks. Risks must first be identified before they can be prioritized and managed. Students will be taught risk analysis methods that capture the uncertainty associated with the risk assessment. Students will then explore risk management strategies.

CSC 431 Computer and Network Forensics
3.00 credit hours
CSC 431 Computer and Network Forensics Three Credit Hours This course provides comprehensive understanding of computer and network forensics, including methodology, laws/regulations, and industry standards. The students will learn to use software packages for identifying, analyzing, recreating, investigatin and addressing cyber-based crime.
Prerequisites: CSC 238

CSC 432 Data Mining
3.00 credit hours
CSC 432 Data Mining Three credit hours This course discusses how data mining technologies are used to transform large quantities of data into information to support tactical and strategic decisions in business and bioinformatics. We will discuss applications of data mining technologies in customer relationship management (CRM), direct marketing, ecommerce, finance, and retailing. Although we discuss some workings of the technologies, the focus of the course is learning when and how to use the technologies in business and bioinformatics applications. We approach the material from two perspectives, a business analyst and a bioinformatics specialist. The course is designed primarily for students taking a Minor in Bioinformatics and those concentrating in information systems.
Prerequisites: Consent of the Department

CSC 433 Explorations in Genomics /Bioinform
3.00 credit hours
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,

CSC 434 Network Management
3.00 credit hours
CSC 434 Network Management Three Credit Hours The course will focus on developing skills and necessary knowledge for students to install, manage, and troubleshoot small/medium sized enterprise network. Students will be exposed to practical network management skills in this course. The topics include configuration of various network components of LAN & WAN, installing and configuring client and server machines, configuring network routing, setting up firewalls & network appliances, network commands, monitoring tools, and management tools.

CSC 435 Special Topics in Bioinformatic Alg
3.00 credit hours
CSC 435/BIO 435 Bioinformatics Algorithms Three credit hours This course provides an introduction to the algorithmic techniques applied in bioinformatics. Students learn to use software packages for processing biological information and are able to develop algorithms for sequencing, comparing sequences, finding patterns and structures, motifs, visualizing, and gene prediction. Various algorithms included in this course are exhaustive search, greedy algorithms, dynamic programming algorithms, divide-and-conquer algorithms, and combinatorial pattern matching.
Prerequisites: BIO 336/CSC 336

CSC 436 Topics in Computing
3.00 credit hours
CSC 436 Topics in Computer Science Three credit hours A course designed to expose students to current and new developments in computer science.
Prerequisites: Permission of Department

CSC 437 Software Engineering
3.00 credit hours
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, objects-oriented design, coding and testing,
Prerequisites: CSC 234

CSC 438 Database Processing
3.00 credit hours
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.
Prerequisites: CSC 234

CSC 439 Data Communications
3.00 credit hours
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 teleconferencing fundamentals, ISDN networks and ATM.
Prerequisite or Corequisite: CSC 334

Computer Engineering (CSE)

CSE 138 Intro Computer Science & Engineerin
3.00 credit hours
CSE 138- Introduction to Computer Science and Engineering Three Credit hours The course covers a description of a computer system, relationship between software and hardware, software and hardware configuration, and introduction to logic circuits, electronic circuits and systems, plus a hands-on lab experience.

CSE 330 Logic & Digital Circuits
3.00 credit hours
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.
Prerequisites: MTH 137 or higher, and CSE138

CSE 331 Circuit Theory
3.00 credit hours
CSE 331- Circuit Theory I Three Credit hours The course emphasizes Kirchoff's laws, voltage and current sources, d-c circuit analysis, circuit theorem, 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.
Prerequisites: MTH 231 or higher

CSE 332 Foundations of Semiconductor Device
3.00 credit hours
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.
Prerequisites: CSE 331

CSE 334 Electronic Measurement & Design
3.00 credit hours
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.
Corequisites: CSE 332

CSE 335 Circuit Theory II
3.00 credit hours
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.
Prerequisites: Circuit Theory I CSE 331

CSE 430 Senior Project
3.00 credit hours
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.
Prerequisites: Senior status and permission of the department

CSE 432 Electronics Circuit Design
3.00 credit hours
CSE432- Electronics Circuit Design- Three Credits The course includes operational amplifiers: RC and RF amplifiers; an introduction to pulse circuits, feedback, and oscillators; analog and digital integrates circuits, and VISI technology:
Prerequisites: CSE 332

CSE 433 Digital Signal Processing
3.00 credit hours
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.
Corequisites: CSE 432

CSE 434 Advanced Electronic Systems
3.00 credit hours
CSE 434- Advanced Electronics System- 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.
Corequisites: CSC 432

CSE 435 Practicum
3.00 credit hours
CSE 435 Practicum Three credit hours This course represents an opportunity for students, under the supervision of faculty, to obtain work experience in the areas covered by the Department's academic programs. This can be implemented through internships and/or research projects; 40 hours of work per credit is required. Accordingly, the student must work 120 hours for this three-credit-hour course. May be repeated when the topic varies.
Prerequisites: Consent of Department

CSE 436 Automatic Control Systems
3.00 credit hours
CSE 436 Automatic Control Systems Three credit hours This course includes elements of electronic control systems, open and closed loop control systems, feedback systems, transfer function for control systems, Nyquest criteria and stability of control systems, stabilizing phase lead and phase lag circuits, Bode diagrams, dc and ac control systems, an introduction to digital control systems, and an introduction to digital control systems. The course includes lab experience in the Automatic Control and Robotics Lab.
Prerequisites: CSE 332

CSE 438 Advanced Logic & Microprocessors
3.00 credit hours
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.
Prerequisites: CSE 330

CSE 439 Sp Top: Computer Science & Engineer
3.00 credit hours
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.
Prerequisites: Consent of the department

Mathematics (MTH)

MTH 130 Introduction to College Mathematics
3.00 credit hours
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
3.00 credit hours
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
3.00 credit hours
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.
Prerequisites: MTH 131

MTH 133 Survey of Practical Applica of Math
3.00 credit hours
MTH 133: Survey of Practical Applications of Mathematics 3 credit hours This course explores practical applications of mathematics in daily life. Students are introduced to linear, quadratic, exponential, and logarithmic functions and some of their many applications. Students are exposed to fundamental principles of probability and descriptive statistics including regression. students also learn how to construct and interpret graphical representations of data. Boolean logic, Venn diagrams, and basic principles of mathematical finance are also covered. Word problems are used extensively to help develop problem-solving and critical-thinking skills that can be routinely applied in daily life. Whenever possible, technology (including calculators and software applications) are used to illuminate the concepts covered in the course and assist problem solving.
Prerequisites: MTH 130 or placement

MTH 134 Mathematics and Culture
3.00 credit hours
MTH 134 Mathematics and Culture Three credit hours This course explores how mathematics is expressed globally and how it is shaped in different societies (i. e. numbering systems, nature, patterns, art, customs, activities). The topic of Ethnomathematics will be highlighted.

MTH 135 Mathematics and Personal Finance
3.00 credit hours
MTH 135: Mathematics and Personal Finance 3 credit hours This course explores techniques in successful management of personal finances. Through application of mathematical and critical thinking skills and concepts, it encompasses a broad coverage of basic financial planning and decision making, taxes, managing savings, purchasing a home, the impact of credit, investments and saving for retirement.
Prerequisites: MTH 130 or placement

MTH 136 Introductory Statistics
3.00 credit hours
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.
Prerequisites: MTH 131 or by placement

MTH 137 Precalculus I
3.00 credit hours
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.
Prerequisites: MTH 131 or by placement or consent of Department

MTH 138 Precalculus II
3.00 credit hours
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.
Prerequisites: MTH 137 or by placement or consent of Department

MTH 231 Calculus I
3.00 credit hours
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.
Prerequisites: MTH 138 or by placement

MTH 232 Calculus II
3.00 credit hours
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.
Prerequisites: MTH 231

MTH 233 Mathematics and Speadsheets
3.00 credit hours
MTH 233 Mathematics and Spreadsheets Three Credit Hours This course explores how to use a spreadsheet to enter and analyze data, set up mathematical formulas, and use various mathematical, statistical, financial, and logical functions and formatting for calculating, forecasting, presenting, and integrating data.
Prerequisites: MTH 130 or placement; CSC 131 or equivalent
Liberal Studies Pillar: IG

MTH 311 Junior Seminar I
1.00 credit hours
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
1.00 credit hours
MTH 312 Junior Seminar II One credit hour This course continues the facilitation of the writing of the Senior Investigative Paper. It further enhances students' skills in developing mathematical research topics and the use of mathematical presentation tools.

MTH 330 Modern Geometry
3.00 credit hours
MTH 330 Modern Geometry Three credit hours Logical structure and use of Euclidean geometry. The relationship of Euclidean geometry to other geometries.
Prerequisites: Mathematics 231 or consent of Department

MTH 331 Calculus III
3.00 credit hours
Infinite sequences and series: parametric equations and polar coordinates; vextors and geometry of space; functions of several variables, limits, and continuity; partial dervatives; and applications.
Prerequisites: MTH 232

MTH 332 Calculus IV
3.00 credit hours
MTH 332 Calculus IV Three credit hours Multiple integration; cylindrical and spherical coordinates; vector fields; line integrals; and Green's theorem in the plane. Surface area and surface integrals. Divergence Theorem.
Prerequisites: MTH 331

MTH 333 Probability & Statistics I
3.00 credit hours
MTH 333 Probability and Statistics I Three credit hours Elementary data analysis techniques, elements of probability theory, and analysis of random variables.
Prerequisites: Mathematics 232 or consent of the Department

MTH 334 Probability & Statistics II
3.00 credit hours
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.
Prerequisites: Mathematics 333 or consent of the Department

MTH 335 Introductory Abstract Algebra
3.00 credit hours
MTH 335 Introductory Abstract Algebra Three credit hours Elementary set theory and logic. Mappings, groups, rings, integral domains, fields, and polynomials.
Prerequisites: Mathematics 231 or consent of Department

MTH 336 Introductory Linear Algebra
3.00 credit hours
MTH 336 Introductory Linear Algebra Three credit hours Systems of linear equations, vector spaces, linear transformations, theory and applications of matrices and determinants.
Prerequisites: MTH 231 or consent of department

MTH 337 Mathematics for Elem Sch Teachers I
3.00 credit hours
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. Three lectures per week.
Prerequisites: MTH 132

MTH 338 Math For Elem School Teachers II
3.00 credit hours
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. Three lectures per week.
Prerequisites: MTH 337

MTH 339 Advanced Linear Algebra
3.00 credit hours
MTH 339 Advanced Linear Algebra Three credit hours This course evaluates eigenvalues, eigenvectors, diagonalization, symmetric matrices, linear transformations, kernel and range, inverse linear transformations, similarity, applications in: differential equations, geometry, least squares fitting to data and approximation problems, Fourier series, quadratic forms, LU-decomposition, approximating eigen values, complex numbers, modules, complex conjugates, complex vector spaces, and unitary and normal and Hermitian matrices
Prerequisites: MTH 336

MTH 362 Applications of Mathematics
3.00 credit hours
MTH 362 Applications of Mathematics Three credit hours This course is designed to cover various applications of mathematics including topics of finance, sets, and Venn diagrams, basic logic; permutations and combinations; mathematics in art and music; spreadsheets; problem solving/critical thinking (including games and puzzles); number systems; and math and culture.
Prerequisites: MTH 232

MTH 411 Senior Seminar I
1.00 credit hours
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.
Prerequisites: Consent of the department

MTH 412 Senior Seminar II
1.00 credit hours
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.
Prerequisites: Consent of the department

MTH 414 Prep for Standardized Testing
1.00 credit hours
MTH 414 Preparation for Standardized Testing One credit hour Preparation for standardized tests such as MFAT, subject GRE, and Praxis II-Mathematics Content. Topics include test anxiety and testtaking strategies, as well as a review of topics from math major courses.
Prerequisites: MTH 331, 333, 335, 336, and a declared Mathematics or Mathematics Education Major or consent of the Department
Corequisites: /

MTH 415 Independent Study in Mathematics
1.00 credit hours
MTH 415, 416 Independent Study in Mathematics One credit hour each In-depth study of areas of mathematics consistent with student interest and career objectives. Written reports are required.
Prerequisites: Advanced standing and consent of Department

MTH 416 Independent Study in Mathematics
1.00 credit hours
NULL

MTH 430 Topics in Analysis
3.00 credit hours
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.
Prerequisites: MTH 331 and 335

MTH 432 History and Foundations of Math
3.00 credit hours
MTH 432 History and Foundations of Math Three credit hours History of mathematics through creative problem solving. Set theory in the development of modem analysis algebra and geometry, proofs, techniques, and methods. Pioneers of mathematics.
Prerequisites: MTH 232

MTH 433 Mathematics for Scientists and Eng
3.00 credit hours
MTH 433 Mathematics for Scientists and Engineers Three Credit Hour Fundamental concepts and methods in applied mathematics. Topics covered include systems of linear equations and matrices, infinite series, complex numbers and variables, LaPlace transforms, differential and integral equations, Fourier Transforms, and Inverse Fourier Transforms. Applications in physics and engineering.
Prerequisites: MTH 336 and 434

MTH 434 Differential Equations I
3.00 credit hours
MTH 434 Differential Equations I Three credit hours Elementary techniques of solving ordinary differential equations. Applications in the biological and physical sciences. Three lectures per week.
Prerequisites: MTH 232

MTH 435 Transforms
3.00 credit hours
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.
Prerequisites: MTH 434

MTH 436 Differentials Equations II
3.00 credit hours
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
3.00 credit hours
MTH 437 Complex Variables Three credit hours Complex numbers, complex functions, and roots in the complex plane, transformation and linear mapping, limits and continuity, analytic and harmonic functions, Cauchy-Riemann equations, branches of functions, exponential and trigonometric functions, complex integrals, Taylor and Lauren series, singularities, zeroes and poles, residues, and definite integrals.
Prerequisites: MTH 331

MTH 438 Biostatistics
3.00 credit hours
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.
Prerequisites: MTH 231

MTH 439 Topics in Algebra
3.00 credit hours
MTH 439 Topics in Algebra Three credit hours Topics on semi-groups and groups, rings, integral domains, finite fields, modules over ring, and vector spaces over fields.
Prerequisites: MTH 335

MTH 442 Numerical Methods
3.00 credit hours
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. Three Lectures per week.
Prerequisites: MTH 232 and CSC 232

MTH 462 Topics in Number Theory
3.00 credit hours
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. Three lectures per week.
Prerequisites: MTH 335

MTH 490 Internship in Mathematics
3.00 credit hours
MTH 490 Internship in Mathematics Three credit hours A supervised internship in a professional environment that exposes the student to how mathematics is applied to solve real-world problems, as well as enabling students to interact with mathematicians in a setting other than the classroom. The student is required to formally present a detailed description of his/her experiences.
Prerequisites: Consent of the Department

MTH 492 Materials & Methods H School Math
3.00 credit hours
MTH 492 Materials and Methods in High School Mathematics Three credit hours The course acquaints students with pedagogical issues in teaching mathematics and enhances their ability to make decisions in a secondary school environment. The course fully supports the state and national standards for secondary school teachers in that it follows a curriculum that covers methods and strategies for teaching essential mathematical concepts to secondary school teachers.
Prerequisites: MTH 232, 335 and 336

MTH 494 Teaching Elementary Mathematics
3.00 credit hours
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 ommunity Block.
Prerequisites: Admission to Teacher Education

MTH 497 Special Topics in Mathematics
0.00 credit hours
MTH 497-498-499 Special Topics in Mathematics One, Two, or Three credit hours A course focusing on a specific topic designed to provide advanced study in an area of special interest in mathematics. The course serves as a restricted elective course and can be repeated upon Departmental approval.
Prerequisites: Consent of Department

MTH 498 Special Topics in Mathematics
3.00 credit hours
MTH 497-498-499 Special Topics in Mathematics One, Two, or Three credit hours A course focusing on a specific topic designed to provide advanced study in the area of special interest in mathematics. This course will serve as a restricted elective course and can be repeated upon departmental approval.
Prerequisites: Departmental approval

MTH 499 Special Topics in Mathematics
3.00 credit hours
MTH 499 Special Topcs - 1,2, or 3 credits 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.
Prerequisites: Departmental Approval

Computer Science Minor

A Minor in computer science provides the technology skills and understanding required of every professional in today's workforce. It will teach basic programming and software engineering skills, project management skills, and increase computer competency. Students may choose their electives to obtain an emphasis in databases, networking, web programming, systems programming, data mining, and cyber security. These skills can complement any area of study as technology has emerged in virtually all employment areas in today's world.

A Minor in computer science consists of at least 18 credit hours of computer science courses, including 15 credit hours of required courses, 3 credit hours of computer science electives.

A Computer Science Minor must complete the following required coursework and electives and earn at least a grade of **C** in each course.

Code	Title	Hours
Computer Science Minor Requirements		
CSC 135	Intro to Programming Python	3
CSC 241	Computer Programming I with Lab	4
CSC 242	Computer Programming II with Lab	4
CSC 234	Data Structures & Algorithms	3
CSC 210	Career Preparation Seminar I	1
Computer Science Recommended Electives		
Select three hours from the following:		3
CSC 238	Introduction to Information Securit	
CSC 332	Computer Networking	
CSC 334	Introduction to Operating Systems	
CSC 335	Internet Programming	
CSC/BIO 336	Introduction to Bioinformatics	
CSC 339	Bioinformatics Programming	
CSC 431	Computer and Network Forensics	
CSC 432	Data Mining	
CSC/BIO 435	Special Topics in Bioinformatic Alg	
CSC 438	Database Processing	
Total Hours		**18**

Computer Science/Information Systems (CS/IS) Major

A Computer Science/Information Systems major is required to take 79 credit hours of courses, 3 of which can be applied to the Liberal Studies requirements. These courses consist of 25 credit hour Computer Science core; 21 credit hours of Computer Science Requirements; 18 credit hours of Accounting, Business and Marketing Requirements; 9 credit hours of Restricted Electives, and 6 credit hours of Mathematics Requirements some of which may be used for General Education requirements. **If students place into courses lower than the starting courses indicated, they will have to take additional hours to meet these *Prerequisites*. Course *Prerequisites* are described in the course descriptions.** Other courses may be deemed appropriate with the approval of the student's advisor and Department Chair.

Computer Science/Information Systems majors must also complete the following coursework and earn at least a grade of **C** in each course.

Code	Title	Hours
Computer Science Core		
CSE 138	Intro Computer Science & Engineerin	3
CSC 210	Career Preparation Seminar I	1
CSC 211	Career Preparation Seminar II	1
CSC 241	Computer Programming I with Lab	4
CSC 242	Computer Programming II with Lab	4
CSC 234	Data Structures & Algorithms	3
CSC 332	Computer Networking	3
CSC 333	Computer Organization & Architectur	3
CSE 430	Senior Project	3
Computer Science Requirements		
CSC 233	Introduction to Discrete Structures	3
CSC 238	Introduction to Information Securit	3
CSC 330	Systems Analysis & Design	3

CSC 331	Applications Programming	3
CSC 334	Introduction to Operating Systems	3
CSC 335	Internet Programming	3
CSC 438	Database Processing	3
Accounting, Business, and Marketing Requirements		
ACC 235	Financial & Managerial Account I	3
ACC 236	Financial and Managerial Account II	3
BAF 330	Business Finance	3
ECO 231	Principles of Macroeconomics	3
MGT 333	Principles of Management	3
MKT 331	Principles of Marketing	3
Restricted Electives		
Select nine hours from the following:		9
CSE 439	Sp Top: Computer Science & Engineer	
CSC 230	Introduction to Programming	
CSE 330	Logic & Digital Circuits	
CSC 437	Software Engineering	
CSC 432	Data Mining	
CSE 435	Practicum	
CSC 336	Introduction to Bioinformatics	
CSC 339	Bioinformatics Programming	
CSC 433	Explorations in Genomics /Bioinform	
CSC 435	Special Topics in Bioinformatic Alg	
MTH 232	Calculus II	
Mathematics Requirements		
MTH 136	Introductory Statistics	3
MTH 231	Calculus I (can also count towards Liberal Studies Requirements)	3
Total Hours		**79**

Cyber Security Minor

A Minor in Cyber Security requires 18 Credit Hours: 9 credit hours of Cybersecurity Requirements and 9 credit hours of Restricted Electives.

A Cyber Security Minor must complete the following required coursework and electives and earn at least a grade of **C** in each course.

Code	Title	Hours
Cybersecurity Requirements		
CSC 238	Introduction to Information Securit	3
CSC 332	Computer Networking	3
CSC 431	Computer and Network Forensics	3
Cybersecurity Restricted Electives		
Select nine hours from the following:		9
CSE 433	Digital Signal Processing	
CSC 332	Computer Networking	
CSC 333	Computer Organization & Architectur	
CSC 334	Introduction to Operating Systems	
CSC 335	Internet Programming	
CSC 336	Introduction to Bioinformatics	
CSC 430	Risk Analysis and Management	
CSC 434	Network Management	
CSC 439	Data Communications	
Total Hours		**18**

Data Science Minor

A Minor in Data Science requires 18 Credit Hours: 9 credit hours of Data Science Requirements and 9 credit hours of Restricted Electives. Students are encouraged to select the nine elective credit hours focused around a thematic interest area in which data science will be applied. Special considerations will be made to tailor the program to a diverse audience with varying levels of experience.

A Data Science Minor must complete the following required coursework and electives and earn at least a grade of **C** in each course.

Required Courses (9 Credit Hours)

Code	Title	Hours
DSC 130	Introduction to Data Science	3
DSC 131	Intro to Programming for Data	3
DSC 132	Data Visualization & Communication	3

Restricted Electives (9 Credit Hours)

Code	Title	Hours
CSC 136	Intro to Network Science	3
CSC 239	GIS Mapping	3
CSC 432	Data Mining	3
DSC 133	Responsible Artificial Intelligence	3.00
DSC 430	Advanced Data Sciene	3
CSE 430	Senior Project CSE 430 Senior Investigative Project on a topic in Data Science that satisfies the requirements of the respective majors offered in the Department of Computer Science and Engineering. This course can be replaced with a senior paper sequence of 3 credit hours from another major with a topic in Data Science, with the approval of the CSE Department.	3
DSC 435	Data Science Practicum	3
DSC 439	Special Topics in Data Science	3.00
MTH 233	Mathematics and Speadsheets	3
One of the following Statistics Courses		
BUS 233	Business Statistics	3
MTH 136	Introductory Statistics	3
MTH 438	Biostatistics	3
PSY 233	Descriptive & Predictive Statistics	3

Information Systems Engineering (ISE) Major

An Information Systems Engineering major is required to take 84 credit hours of courses, 8 of which can be applied to the Liberal Studies requirements. These courses consist of 25 credit hour Computer Science core; 15 credit hours of Computer Science Requirements; 18 credit hours of Computer Engineering Requirements; 9 credit hours of Restricted Electives; and 17 Credit Hours of Mathematics and Physics Requirements, some of which may be used for Liberal Studies requirements. Other courses may be deemed appropriate with the approval of the student's advisor and Department Chair. **If students place into courses lower than the starting courses indicated, they will have to**

take additional hours to meet these *Prerequisites.* Course *Prerequisites* are described in the course descriptions.

Information Systems Engineering majors must complete the following coursework and earn at least a grade of **C** in each course.

Code	Title	Hours
Computer Science Core		
CSE 138	Intro Computer Science & Engineerin	3
CSC 210	Career Preparation Seminar I	1
CSC 211	Career Preparation Seminar II	1
CSC 241	Computer Programming I with Lab	4
CSC 242	Computer Programming II with Lab	4
CSC 234	Data Structures & Algorithms	3
CSC 332	Computer Networking	3
CSC 333	Computer Organization & Architectur	3
CSE 430	Senior Project	3
Computer Engineering and Computer Science Requirements		
CSE 330	Logic & Digital Circuits	3
CSE 331	Circuit Theory	3
CSE 332	Foundations of Semiconductor Device	3
CSE 334	Electronic Measurement & Design	3
CSE 335	Circuit Theory II	3
CSE 432	Electronics Circuit Design	3
CSC 238	Introduction to Information Securit	3
CSC 331	Applications Programming	3
CSC 335	Internet Programming	3
CSC 334	Introduction to Operating Systems	3
CSC 438	Database Processing	3
Restricted Electives		
Select nine hours from the following:		9
CSE 433	Digital Signal Processing	
CSE 434	Advanced Electronic Systems	
CSE 435	Practicum	
CSE 436	Automatic Control Systems	
CSE 438	Advanced Logic & Microprocessors	
CSE 439	Sp Top: Computer Science & Engineer	
CSC 230	Introduction to Programming	
CSC 233	Introduction to Discrete Structures	
CSC 335	Internet Programming	
CSC 336	Introduction to Bioinformatics	
CSC 339	Bioinformatics Programming	
CSC 433	Explorations in Genomics /Bioinform	
CSC 435	Special Topics in Bioinformatic Alg	
CSC 437	Software Engineering	
Mathematics and Physics Requirements		
MTH 136	Introductory Statistics	3
MTH 231	Calculus I	3
MTH 232	Calculus II	3
PHY 241	General Physics (also counts in the Liberal Studies Natural Sciences Pillar)	4
or PHY 243	Mechanics	
PHY 242	General Physics (also counts in the Liberal Studies Natural Sciences Pillar)	4
or PHY 244	Electrodynamics	
Total Hours		**84**

Mathematics Major

A Mathematics major is required to take 58 credit hours of courses, 11 of which can be applied to the Liberal Studies requirements. These courses consist of up to 34 credit hours of Mathematics Core Requirements, 15 credit hours of Mathematics Requirements, and 9 credit hours of Mathematics Electives. Other courses may be deemed appropriate with the approval of the student's advisor and Department Chair. **If students place into courses lower than the starting courses indicated, they will have to take additional hours to meet these *Prerequisites*. Course *Prerequisites* are described in the course descriptions.**

Mathematics majors must also earn at least a grade of **C** in each course.

Mathematics majors may take PHY 243 Mechanics-PHY 244 Electrodynamics as courses under the Natural Sciences pillar of the liberal studies program (including as part of the six hours students may select from all of the Pillars). MTH 231 Calculus I or MTH 232 Calculus II can be counted as meeting the Core Mathematics requirement.

Mathematics Majors are required to develop a Senior Investigative Paper. Its formal development begins when the student has reached senior standing and completed both the core 200 and 300 level courses in Mathematics and the Liberal Studies requirements in rhetoric and speech. The Senior Investigative Paper in Mathematics and Mathematics Education is written and presented while enrolled in MTH 411 Senior Seminar I and MTH 412 Senior Seminar II.

Code	Title	Hours
Mathematics Core		
CSC 231	Computer Programming I	3
MTH 231	Calculus I	3
MTH 232	Calculus II	3
MTH 331	Calculus III	3
MTH 332	Calculus IV	3
MTH 333	Probability & Statistics I	3
MTH 335	Introductory Abstract Algebra	3
MTH 336	Introductory Linear Algebra	3
MTH 411	Senior Seminar I	1
MTH 412	Senior Seminar II	1
MTH 414	Prep for Standardized Testing	1
MTH 432	History and Foundations of Math	3
PHY 243	Mechanics	4
Mathematics Requirements		
MTH 311	Junior Seminar I	1
MTH 312	Junior Seminar II	1
MTH 430	Topics in Analysis	3
MTH 434	Differential Equations I	3
MTH 439	Topics in Algebra	3
PHY 244	Electrodynamics	4
Mathematics Electives		
Select nine hours from the following:		9
CSC 232	Computer Programming II	
CSC 234	Data Structures & Algorithms	

MTH 330	Modern Geometry	
MTH 334	Probability & Statistics II	
MTH 442	Numerical Methods	
MTH 462	Topics in Number Theory	
MTH 497	Special Topics in Mathematics	
MTH 498	Special Topics in Mathematics	
MTH 499	Special Topics in Mathematics	
Total Hours		**58**

Mathematics Minor

A minor in mathematics consists of at least 18 credit hours of mathematics courses at the 200 level or above. These courses include 12 credit hours of Mathematics Minor Requirements (including six hours of *Prerequisites That* may be satisfied by placement). Other courses may be deemed appropriate with the approval of the student's advisor and Department Chair. **If students place into courses lower than the starting courses indicated, they will have to take additional hours to meet these *Prerequisites*.** Course *Prerequisites Are* described in the course descriptions**.**

Mathematics minors must also earn at least a grade of **C** in each course.

Code	Title	Hours
Mathematics Minor Requirements		
MTH 231	Calculus I	3.00
MTH 232	Calculus II	3
MTH 333	Probability & Statistics I	3
MTH 336	Introductory Linear Algebra	3
Total Hours		**12**

Mathematics with Pre-Math Finance Concentration Major

A Mathematics with Pre-Math Finance Concentration major is required to take 85 credit hours of courses, 11 of which can be applied to the Liberal Studies requirements. These courses consist of up to 34 credit hours of Mathematics Core Requirements, 15 credit hours of Mathematics Requirements, and nine credit hours of Mathematics Electives. Other courses may be deemed appropriate with the approval of the student's advisor and Department Chair. **If students place into courses lower than the starting courses indicated, they will have to take additional hours to meet these *Prerequisites*. Course *Prerequisites* are described in the course descriptions.**

Mathematics with Pre-Math Finance Concentration majors must also earn at least a grade of **C** in each course.

Code	Title	Hours
Mathematics Core		
CSC 231	Computer Programming I	3
MTH 231	Calculus I	3
MTH 232	Calculus II	3
MTH 331	Calculus III	3
MTH 332	Calculus IV	3
MTH 333	Probability & Statistics I	3
MTH 335	Introductory Abstract Algebra	3
MTH 336	Introductory Linear Algebra	3
MTH 411	Senior Seminar I	1
MTH 412	Senior Seminar II	1
MTH 414	Prep for Standardized Testing	1
MTH 432	History and Foundations of Math	3
PHY 243	Mechanics	4
Mathematics Requirements		
MTH 311	Junior Seminar I	1
MTH 312	Junior Seminar II	1
MTH 430	Topics in Analysis	3
MTH 434	Differential Equations I	3
MTH 439	Topics in Algebra	3
PHY 244	Electrodynamics	4
Mathematics Electives		
Select nine hours from the following:		9
CSC 232	Computer Programming II	
CSC 234	Data Structures & Algorithms	
MTH 330	Modern Geometry	
MTH 442	Numerical Methods	
MTH 462	Topics in Number Theory	
MTH 497	Special Topics in Mathematics	
MTH 498	Special Topics in Mathematics	
MTH 499	Special Topics in Mathematics	
Pre-Finance Requirements		
ACC 235	Financial & Managerial Account I	3
ACC 236	Financial and Managerial Account II	3
BAF 330	Business Finance	3
BAF 431	Investments	3
ECO 231	Principles of Macroeconomics	3
ECO 232	Principle of Microeconomics	3
ECO 335	Microeconomic Theory	3
ECO 336	Macroeconomic Theory	3
MTH 334	Probability & Statistics II	3
Total Hours		**85**

Natural and Behavioral Sciences

The Department of Natural and Behavioral Sciences includes coursework in Biology, Chemistry, Pre-Medicine, Psychology, and Sustainability.

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B.S., 2006, University of North Carolina at Greensboro
Medical Technology Program, 2006, Wake Forest Baptist Medical Center
M.S., 2011, University of North Carolina at Greensboro
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B.A., 2001, North Carolina State University
Ph.D., 2011, Clark Atlanta University

Timothy Champion (1988)
Chair, Department of Natural and Behavioral Sciences

Professor of Chemistry
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B.S., 1983, UNC - Chapel Hill
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Ed.D., 1975, University of Massachusetts
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M.S., 1983, University of Georgia
Ph.D., 1988, University of Georgia

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Ph.D., 2005, Virginia Tech

Angela Michelle White (2023)
Dean of the University College
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M.S. in Biology, the North Carolina Agricultural and Technical State University
Ph.D. In Curriculum and Instruction North Carolina State University

Majors

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Minors

- Bioinformatics Minor (p. 75)
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Bioinformatics Minor

A Minor in bioinformatics requires 19 Credit Hours: 13 credit hours of Bioinformatics Requirements and at least 6 credit hours of Restricted Electives. At least 8 of these hours cannot also be counted toward a student's major(s). Courses marked with an asterisk have prerequisites outside of the core requirements for this minor; see the course descriptions for details. Students enrolled before 2017/2018 will follow the requirements of the minor described in the 2017/2018 catalogue.

A Bioinformatics Minor must complete the following required coursework and electives and earn at least a grade of **C** in each course.

Code	Title	Hours
Bioinformatics Requirements		
BIO 143	Intro to Biology I	4
BIO/CSC 336	Introduction to Bioinformatics	3
CSC 339	Bioinformatics Programming	3
MTH 438	Biostatistics	3
Bioinformatics Restricted Electives		
Select six hours from the following:		6
BIO/CHE 333	Biochemistry I [1]	
BIO 341	Genetics [1]	
BIO/CHE 422	Laboratory Projects in Biology (topic in Bioinformatics/Genomics)	
BIO/CHE 430	Research Problems in Biology (topic in Bioinformatics/Genomics)	
BIO/CSC 433	Exploration in Genomics	
BIO/CSC 435	Special Topics: Bioinformatics	
BIO 434	Introduction to Pharmacogenomics	
CSC 135	Intro to Programming Python	
CSC 432	Data Mining	

CSC 438	Database Processing [1]	
Total Hours		**19**

[1] *Course requires a prerequisite.*

Any of the courses in the minor can be replaced with:

NSC 429 Senior Seminar I (2 Credit Hours) + NSC 419 Senior Seminar II (1 Credit Hour) with a Senior Paper written on a topic in Bioinformatics or Genomics that satisfies the Biology major requirement.

or

CSE 430 Senior Project (3 Credit Hours) on a topic in Bioinformatics or Genomics that satisfies the requirements of the respective majors offered in the Department of Computer Science and Engineering.

Biology and Chemistry Double Major

A Biology and Chemistry double major is required to take 91 and 95 credit hours of courses. These courses include an 8 credit hour Introductory Biology Core; between 12 and 16 credit hours of Biology core courses, which must include at least one course from the Cell and Molecular Biology, Organismal Biology, and Population Biology categories; a minimum of 9 credit hours, consisting of three BIO or appropriate approved course at or above the 300 level; 7 credit hours of Seminar requirements; 35 credit hours of Chemistry Requirements; up to 9 credit hours of Mathematics, which includes 6 credits hours of Prerequisites that may be satisfied by department; 8 credit hours in Physics requirements; and 3 credit hours of Computer Science requirements. Other courses may be deemed appropriate with the approval of the student's advisor and Department Chair. **If students place into courses lower than the starting courses indicated, they will have to take additional hours to meet these *Prerequisites.* Course *Prerequisites are* described in the course descriptions.**

Biology and Chemistry double majors may take BIO 143 Intro to Biology I, BIO 144 Intro to Biology II::, CHE 111 General Chemistry I Laboratory and CHE 131 General Chemistry I, CHE 112 General Chemistry II Laboratory and CHE 132 General Chemistry II, PHY 241 General Physics, and/or PHY 242 General Physics as courses under the Natural Sciences pillar of the liberal studies program (including as the six hours students may select from all of the pillars). MTH 231 Calculus I or MTH 232 Calculus II can be counted as meeting the Core Mathematics requirement.

Biology and Chemistry double majors must also earn at least a grade of **C** in each course.

Code	Title	Hours
Introduction Biology Core		
BIO 143	Intro to Biology I	4
BIO 144	Intro to Biology II:	4
Biology Core		
Students will select one course from eachof the following categories:		12-16
Cell and Molecular Biology		
BIO 241	Cell Biology	
BIO 336	Introduction to Bioinformatics	
Organismal Biology		
BIO 245	Human Anatomy and Physiology II	
BIO 249	Human Anatomy and Physiology I	
BIO 247	Zoology	
BIO 248	Botany	
BIO 340	Integrated Physiology	
Population Biology		
BIO 242	Ecology	
BIO 247	Zoology	
BIO 248	Botany	
Advanced Biology Requirement		
Biology majors must complete nine credit hours at or above the 300 level, chosen in consultation with an advisor that are not used to satisfy other major requirements. These courses may include non-BIO courses if approved by the advisor.		9
Chemistry Requirements		
Select 35 hours of Chemistry Requirements:		35
CHE 111	General Chemistry I Laboratory	
CHE 112	General Chemistry II Laboratory	
CHE 131	General Chemistry I	
CHE 132	General Chemistry II	
CHE 221	Laboratory in Organic Chemistry I	
CHE 222	Laboratory in Organic Chemistry II	
CHE 231	Organic Chemistry I	
CHE 232	Organic Chemistry II	
CHE 333	Biochemistry I	
CHE 325	Analytical Chemistry and Instr I	
CHE 326	Analytical Chemistry and Inst II	
CHE 335	Analytical Chemistry and Instr I	
CHE 336	Anal. Chem & Inst. II	
CHE 423	Sel. Experiment in Physical Chem.	
CHE 424	Selected Experiment in Phy Chem	
CHE 411	Select Experiments in Physical Chem	
CHE 412	Select Exper in Physical Chemistry	
CHE 431	Physical Chemistry I	
CHE 432	Physical Chemistry II	
Seminar Requirements		
NSC 218	Sophomore Seminar I	1
NSC 219	Sophomore Seminar II	1
NSC 318	Junior Seminar I	1
NSC 319	Junior Seminar II	1
NSC 429	Senior Seminar I	2
NSC 419	Senior Seminar II	1
Mathematics Requirements		
MTH 231	Calculus I	3
MTH 232	Calculus II	3
or MTH 438	Biostatistics	
Physics Requirements		
Select one of the following:		8
PHY 241 & PHY 242	General Physics and General Physics	
PHY 243 & PHY 244	Mechanics and Electrodynamics	
Computer Science Requirement		

Any Computer Science course above the CSC 131 Computers in Society level	3
Total Hours	**88-92**

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 receive rigorous individualized advisement from their Major advisor in choosing core and advanced Biology courses will best fit their needs.

Biology majors may take BIO 143 Intro to Biology I, BIO 144 Intro to Biology II:, CHE 111 General Chemistry I Laboratory and CHE 131 General Chemistry I, CHE 112 General Chemistry II Laboratory and CHE 132 General Chemistry II, PHY 241 General Physics, and/or PHY 242 General Physics as courses under the Natural Sciences pillar of the liberal studies program (including as the six hours students may select from all of the pillars). MTH 231 Calculus I or MTH 232 Calculus II can be counted as meeting the Core Mathematics requirement.

A Biology major is required to take a minimum of 71 credit hours of courses; as noted above, 13 hours of this may count towards the Liberal Studies requirements. These courses include an 8 credit hour Introductory Core; between 12 and 16 credit hours of Biology Core courses, which must include at least one course from the Cell and Molecular Biology, Organismal Biology, and Population Biology categories; a minimum of 9 credit hours, consisting of three BIO or appropriate approved courses at or above the 300 level; 7 credit hours of Seminar Requirements; 21 credit hours of Chemistry Requirements; 6 credit hours of Mathematics, and 8 credit hours Physics Requirements. **If students place into courses lower than the starting courses indicated, they will have to take additional hours to meet these *Prerequisites*. Course *Prerequisites* are described in the course descriptions.** Other courses may be deemed appropriate with the approval of the student's advisor and Department Chair.

The Biology Degree with Honors

Eligibility

- Have an overall GPA of 3.3 or higher
- Have a GPA of 3.3 or higher in all courses required for the major

Requirements

- 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 completing the requirements to the satisfaction of the faculty, a student may graduate with Honors or High Honors based on the judgment of the Biology Faculty.

Biology majors must also earn at least a grade of **C** in each course.

Code	Title	Hours
Introductory Core		
BIO 143	Intro to Biology I	4
BIO 144	Intro to Biology II:	4
Biology Core		
Students will select one course from each of the cores and one additional course drawn from any of the cores		12-16
Cell and Molecular Biology Core		
BIO 241	Cell Biology	
BIO 336	Introduction to Bioinformatics	
Organismal Biology Core		
BIO 245	Human Anatomy and Physiology II	
BIO 249	Human Anatomy and Physiology I	
BIO 247	Zoology	
BIO 248	Botany	
BIO 340	Integrated Physiology	
Population Biology Core		
BIO 242	Ecology	
Advanced Biology Requirement		
Biology majors must complete nine credit hours at or above the 300 level, chosen in consultation with an advisor that are not used to satisfy other major requirements. These courses may include non-BIO courses if approved by the advisor.		9
Seminar Requirements		
NSC 218	Sophomore Seminar I	1
NSC 219	Sophomore Seminar II	1
NSC 318	Junior Seminar I	1
NSC 319	Junior Seminar II	1
NSC 429	Senior Seminar I	2
NSC 419	Senior Seminar II	1
Chemistry		
CHE 111	General Chemistry I Laboratory	1
CHE 112	General Chemistry II Laboratory	1
CHE 131	General Chemistry I	3
CHE 132	General Chemistry II	3
CHE 221	Laboratory in Organic Chemistry I	2
CHE 222	Laboratory in Organic Chemistry II	2
CHE 231	Organic Chemistry I	3
CHE 232	Organic Chemistry II	3
CHE 333	Biochemistry I	3
Mathematics Requirements		
MTH 231	Calculus I	3
MTH 232	Calculus II	3
or MTH 438	Biostatistics	
Physics Requirements		
PHY 241	General Physics	4
PHY 242	General Physics	4
Total Hours		**71-75**

Note: Higher Level Physics courses may be used as substitutes for these courses.

Additional Recommended Courses

Additional courses may be recommended by the Major advisor in order for a student to meet requirements for graduate and professional programs or for a particular job market of interest to the student.

Biology Minor

A Biology minor is required to take a minimum of 18 credit hours of courses. These courses include an 8-credit hour Introductory Core; and an additional 10 credit hours of Biology courses above the 100 level, which may require additional *Prerequisites*. Please note that NSC 218 Sophomore Seminar I Sophomore Seminar I, NSC 219 Sophomore Seminar II Sophomore Seminar II, NSC 318 Junior Seminar I Junior Seminar I, NSC 319 Junior Seminar II Junior Seminar II, NSC 419 Senior Seminar II Senior Seminar II, and NSC 429 Senior Seminar I Senior Seminar I may not be used to qualify for a Biology Minor. Other courses may be deemed appropriate with the approval of the student's advisor and Department Chair. **If students place into courses lower than the starting courses indicated, they will have to take additional hours to meet these *Prerequisites*. Course *Prerequisites* are described in the course descriptions.**

Biology minors must also earn at least a grade of **C** in each course.

Code	Title	Hours
Introductory Core		
BIO 143	Intro to Biology I	4
BIO 144	Intro to Biology II:	4
Biology Electives		
Select 10 credit hours of Biology courses above the 100-level		10
Total Hours		**18**

Chemistry Major

A Chemistry major is required to take up to 59 credit hours of courses. These courses include 38 credit hours of Chemistry Requirements; 7 credit hours of Seminar Requirements; up to 6 credit hours of Mathematics, which includes 6 credit hours of *Prerequisites that* may be satisfied by placement; and 8 credit hours Physics Requirements. Other courses may be deemed appropriate with the approval of the student's advisor and Department Chair. **If students place into courses lower than the starting courses indicated, they will have to take additional hours to meet these *Prerequisites.* Course *Prerequisites are* described in the course descriptions.**

Chemistry Honors Degree

Eligibility

- Have an overall GPA of 3.3 or higher
- Have a GPA of 3.3 or higher in all courses required for the major

Requirements

- 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 completing the requirements to the satisfaction of the faculty, a student may graduate with Chemistry Honors or Chemistry High Honors based on the judgment of the Chemistry Faculty.

Chemistry majors must also earn at least a grade of **C** in each course.

Chemistry majors may take CHE 111 General Chemistry I Laboratory and CHE 131 General Chemistry I, CHE 112 General Chemistry II Laboratory and CHE 132 General Chemistry II, PHY 241 General Physics, and/or PHY 242 General Physics as courses under the Natural Sciences pillar of the Liberal Studies program (including as the six hours students may select from all of the pillars). MTH 231 Calculus I or MTH 232 Calculus II can be counted as meeting the Liberal Core Mathematics requirement.

Code	Title	Hours
Chemistry Requirements		
CHE 111	General Chemistry I Laboratory	1
CHE 112	General Chemistry II Laboratory	1
CHE 131	General Chemistry I	3
CHE 132	General Chemistry II	3
CHE 221	Laboratory in Organic Chemistry I	2
CHE 222	Laboratory in Organic Chemistry II	2
CHE 231	Organic Chemistry I	3
CHE 232	Organic Chemistry II	3
CHE 333	Biochemistry I	3
CHE 325	Analytical Chemistry and Instr I	2
CHE 326	Analytical Chemistry and Inst II	2
CHE 335	Analytical Chemistry and Instr I	3
CHE 336	Anal. Chem & Inst. II	3
CHE 423	Sel. Experiment in Physical Chem.	2
CHE 424	Selected Experiment in Phy Chem	2
CHE 431	Physical Chemistry I	3
CHE 432	Physical Chemistry II	3
Seminar Requirements		
NSC 218	Sophomore Seminar I	1
NSC 219	Sophomore Seminar II	1
NSC 318	Junior Seminar I	1
NSC 319	Junior Seminar II	1
NSC 429	Senior Seminar I	2
NSC 419	Senior Seminar II	1
Mathematics Requirements		
MTH 231	Calculus I	3
MTH 232	Calculus II	3
or MTH 438	Biostatistics	
Physics Requirements		
Select one of the following:		8
PHY 241 & PHY 242	General Physics and General Physics	
PHY 243 & PHY 244	Mechanics and Electrodynamics	
Total Hours		**62**

Restricted STEM Elective (3 Credit Hours)

Three credit hours selected from: any biology, chemistry, mathematics, computer science, and computer engineering course numbered 200 or higher.

Chemistry Minor

A Minor in Chemistry requires a minimum of 18 Credit hours of Chemistry courses that must begin with CHE 111 General Chemistry I Laboratory, CHE 112 General Chemistry II Laboratory, CHE 131 General Chemistry I, and CHE 132 General Chemistry II. Eight credit hours of Physics are also required for the minor. NSC 219 Sophomore Seminar II, NSC 318 Junior Seminar I, NSC 319 Junior Seminar II, NSC 429 Senior Seminar I and NSC 419 Senior Seminar II may not be used to qualify for the Chemistry minor.

Other courses may be deemed appropriate with the approval of the student's advisor and Department Chair. **If students place into courses lower than the starting courses indicated, they will have to take additional hours to meet these *Prerequisites*. Course *Prerequisites are* described in the course descriptions.**

Chemistry minors must also earn at least a grade of **C** in each course counted in the minor.

Code	Title	Hours
Chemistry Requirements		
CHE 111	General Chemistry I Laboratory	1
CHE 112	General Chemistry II Laboratory	1
CHE 131	General Chemistry I	3
CHE 132	General Chemistry II	3
Chemistry courses		10
Physics Requirements		
Select eight credit hours of Physics coursework		8
Total Hours		**26**

Math Prerequisites

Code	Title	Hours
MTH 137	Precalculus I	3
MTH 138	Precalculus II	3

Psychology Major

A Psychology major is required to take 47 credit hours of courses to complete their major. These courses consist of a Required Core of 22 credit hours, a Mathematics Requirement of 3 credit hours (which may be satisfied as a part of the General Education requirements), a 4 credit hour Biology Requirement (which may be satisfied as a part of the General Education requirements), and 18 hours from the cafeteria categories (one course from each category and two additional courses from any category). Other courses may be deemed Psychology electives with the approval of the Psychology Coordinator and Department Chair. A minimum of 122 is required for graduation.

Psychology majors must also complete the following coursework and earn at least a grade of **C** in each course.

Code	Title	Hours
Required Core		
All majors must take the following seven courses.		
PSY 131	General Psychology I	3
PSY 132	Research Psychology	3
PSY 233	Descriptive & Predictive Statistics	3
PSY 234	Inferential Statistics	3
PSY 340	Experimental Research Methods	4
PSY 430	Senior Seminar I	3
PSY 437	Senior Seminar II	3
Mathematics Requirement		
MTH 131	College Algebra (or Higher)	3
Biology Requirement		
BIO 143	Intro to Biology I	4
Cafeteria Categories		
Select one course (three credit hours) from each of the following categories and two additional courses (six credit hours) that can be from any category for a total of 18 credit hours:		18
Category 1: Clinical and Health Psychology		
PSY 231	Psychology of Adjustment	
PSY 332	Health Psychology	
PSY 392	Physiological Psychology	
PSY 432	Abnormal Psychology	
PSY 434	Introduction to Clinical Psychology	
CSC/BIO 336	Introduction to Bioinformatics	
Category 2: Applied Psychology		
PSY 334	Quantitative & Qualitative Resch Me	
PSY 336	Consumer Behavior	
PSY 337	Industrial/Organizational Psycholog	
PSY 339	Principle Psychological Measurement	
PSY 435	Theoretical Psychology	
Category 3: Developmental and Educational Psychology		
PSY 230	Psychology of the Exceptional	
PSY 235	Psychology of Childhood	
PSY 237	Psychology of Adolescence	
PSY 239	Educational Psychology	
PSY 330	Psychology of Learning	
Category 4: Sociocultural and Personality Psychology		
PSY 331	Black Psychology	
PSY 338	Personality Theory	
PSY 390	Women Race and Class	
PSY 431	Social Psychology	
Additional Psychology Electives (Optional)		
PSY 315 - PSY 335	Special Topics in Psychology [1]	
PSY 433	Internship in Psychology	
PSY 416 - PSY 436	Independent Research in Psychology	
Total Hours		**47**

[1] Can be used to meet the six additional hours of psychology courses.

Sustainability Minor

The Sustainability minor is a flexible program open to all majors. Students will be exposed to various concepts of sustainability and modern sustainable practices that can be used to address current issues affecting society, organizations, and the world. The Minor requires 18 credit hours distributed as follows: 6 hours of core courses and 12 hours of restricted electives selected from the following themes:

1. Earth, Climate and Environmental Systems Technology
2. Business and Economic Development
3. Policy Analysis and Political Systems
4. Human Health, Societies and Social Systems

No more than 6 credit hours from any one theme may be applied towards the minor. The core sequence includes SUS 230 Principles of Sustainability and SUS 231 Advanced Sustainability.

To earn the Minor in Sustainability, students must earn a grade of **C** or better in all courses counting toward the minor.

Code	Title	Hours
Core Requirements		
SUS 230	Principles of Sustainability	3
SUS 231	Advanced Sustainability	3
Themes		
Select 12 hours of restricted electives from the following themes. No more than six credit hours from any one theme may be applied towards the minor.		12
Earth, Climate and Environmental Systems		
BIO 143	Intro to Biology I	
BIO 144	Intro to Biology II:	
BIO 242	Ecology	
CHE 131	General Chemistry I	
CHE 132	General Chemistry II	
CHE 335/325	Analytical Chemistry and Instr I	
NSC 220	Introduction to Lab Research/Instru	
ECO 438	Environmental Economics	
Technology, Business and Economic Development		
ACC 230	Accounting for Non-Business Majors	
BUS 100	Introduction to Business	
BUS 233	Business Statistics	
BUS 433	Business and Economic Research	
COM 240	Business Writing	
COM 432	Intercultural Communication	
CSE 138	Intro Computer Science & Engineerin	
CSC 230	Introduction to Programming	
CSC 231	Computer Programming I	
CSC 232	Computer Programming II	
CSC 238	Introduction to Information Securit	
ECO 230	Economics for Non-Bus and Eco Major	
ECO 231	Principles of Macroeconomics	
ECO 232	Principle of Microeconomics	
ECO 332	Urban & Regional Economics	
ECO 334	Interna Economics & Social Problems	
ECO 432	Economic Development	
ECO 438	Environmental Economics	
MGT 333	Principles of Management	
MGT 335	Leadership & Organizational Change	
MGT 339	Small Business Management	
MGT 436	Organizational Behavior and Design	
MGT 438	International Business	
MKT 331	Principles of Marketing	
MKT 350	Consumer Behavior	
MKT 431	Supply Chain Management	
MKT 435	International Marketing	
Policy Analysis and Political Systems		
POL 100	Introduction to Political Science	
POL 131	American Government	
POL 230	Intro to Political Analysis	
POL 331	Law and Politics (Offered in alternate years)	
POL 332	Third World Politics (Offered in alternate years)	
POL 333	Comparative Political Systems (Spring Semester Only)	
POL 334	International Relations (Fall Semester Only)	
POL 335	Political Theory (Offered in alternate years)	
POL 431	Policy Analysis	
POL 433	International Organization (Offered in alternate years)	
POL 435	Civil Rights & Civil Liberties (Offered in alternate years)	
POL 436	Bureaucracy and Organizational Beh (Offered in alternate years)	
POL 437	Foreign Policy	
GEO 131	Introduction to Geography	
Human Health, Societies and Social Systems		
COM 256	Health Communication Course	
CSC 336	Introduction to Bioinformatics	
CSC/BIO 433	Explorations in Genomics /Bioinform	
CRM 230	Crime and Society	
HED 231	Health and Nutrition	
HED 232	Human Sexuality and Family Living	
HED 233	Community Health	
HED 334	Program Planning and Evaluation	
HED 335	Minority Health Problems & Issues	
HED 337	Environmental Health	
HED 435	Epidemiology	
HED 437	Applications in Health Communicatio	
HED 438	Soc. & Behav Aspects of Global Hlth	
PSY 337	Industrial/Organizational Psycholog	
PSY 431	Social Psychology	
SWK 239	Introduction to Social Work	
SWK 334	Human Behavior and the Social Env I	
SWK 335	Human Behavior and the Social Envir	
SWK 431	Social Work Research Methods	
SWK 432	Social Work With Groups	
SWK 437	Community Organization	
SOC 131	Principles of Sociology	
SOC 238	Social Problems	
Total Hours		**18**

Natural Science and Mathematics

Students who are interested in being more competitive for entrance to graduate school or professional scientific programs (i.e., Medical or Dental School) may wish to consider a double major in Biology and Chemistry.

A major in Mathematics consists of 58 program credit hours. In addition, all students must take 46 Credit Hours of Liberal Studies courses, and at least six elective hours. A minimum of 122 is required for graduation.

A major in Mathematics, with a concentration in Pre-Mathematical Finance consists of 85 program credit hours. In addition, all students must take 46 Credit Hours of Liberal Studies courses, and at least 6 elective hours. A minimum of 126 is required for graduation.

A major in Biology consists of 71 program credit hours. In addition, all students must take 46 Credit Hours of Liberal Studies courses, and at least 6 elective hours. A minimum of 123 is required for graduation.

A major in Chemistry consists of 59 program credit hours. In addition, all students must take 46 Credit Hours of Liberal Studies courses, and at least six elective hours. A minimum of 122 is required for graduation.

A double major in Biology and Chemistry consists of 91-95 program credit hours, depending on course choices. In addition, all students must take 46 Credit Hours of Liberal Studies courses, and at least six elective hours. A minimum of 130 is required for graduation.

Students must comply with all University requirements for graduation, including the General Education requirements (Liberal Studies Program of 46 credit hours) and Senior Paper. The student must earn at least a grade of C in the required courses for the Major and their *Prerequisites.*

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 with concentration in Pre-Mathematical Finance.

The major program leads to a Bachelor of Science Degrees in Mathematics and Mathematics with a concentration in Pre-Mathematical Finance.

Mathematics Placement

Students entering the University for a major with a specific math requirement without college-level mathematics credit will typically enroll in MTH 131 College Algebra or MTH 133 Survey of Practical Applica of Math unless Advanced Placement. 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 MTH 133 Survey of Practical Applica of Math, or it may allow the student to enroll in MTH 137 Precalculus I or a higher course. Students not planning on a major with a specific math requirement may satisfy the math requirement of the Liberal Studies program by taking MTH 133 Survey of Practical Applica of Math. 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 Precalculus I andMTH 138 Precalculus II) as *Prerequisite Courses* before starting the Calculus sequence.

Early Mathematics Honors Certificate

The requirements for an Early Mathematics Honors Certificate must be completed in the first four semesters of enrollment. These are:

- Be selected for Honors Mathematics sections in introductory courses based on Mathematics placement and demonstrated interest
- Complete two Honors sections of Mathematics courses with an average of 3.0 or higher (At least one course must be at the 200 level)
- Participate in an established Mathematics club and/or Mathematics honor society.
- Upon completion of the requirements, a student may receive a Dean's Certificate for Honors in Early Mathematics. Students completing three courses in Mathematics with this average may receive a Dean's Certificate for High Honors in Early Mathematics.

Mathematics Honors Degree

Eligibility

- Have an overall GPA 3.0 or better
- Complete the Calculus sequence, Introductory Linear Algebra, and Introductory Abstract Algebra with a GPA of 3.3 or better before being selected for participation in the Mathematics Honors Degree Program
- Be recommended by a Department faculty member
- Be selected to the program by a committee appointed by the Department

Requirements

- Complete an Honors project in one of the following courses: MTH 430 Topics in Analysis, MTH 432 History and Foundations of Math, or MTH 439 Topics in Algebra majors. A committee appointed by the Department must approve each project. 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.

Natural Science

The Department awards Bachelor of Science Degrees in Biology and Chemistry.

Entering freshmen majoring in one of the sciences are required to take an entrance exam prior to their admission to the major curriculum. This exam is prepared and graded by JCSU Science faculty, and the results discussed with each student. Final placement is decided by the Chair after due consideration of student performance on the entrance exam, discussion with other Science faculty, and possible consideration of other factors such as SAT scores and high school grades.

Natural Science Courses

There are a number of course offerings that come under the general heading of NSC. NSC 218 Sophomore Seminar I-NSC 219 Sophomore Seminar II, NSC 318 Junior Seminar I-NSC 319 Junior Seminar II, NSC 419 Senior Seminar II, and NSC 429 Senior Seminar I are courses taken by Science majors in fulfilling the Senior Investigative Paper requirement.

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

No results were found.

The Department offers Minors in the following areas:

No results were found.

Natural Science (NSC)

NSC 110 Introduction to Lab Research
1.00 credit hours
NSC 110 Introduction to Laboratory Research One credit hour A brief introduction to the nature and practice of laboratory research in the natural sciences. The nature of scientific inquiry, the formulation of research questions, the role of the scientific literature, and laboratory record keeping are some of the topics covered. For elective credit only.

NSC 130 Introduction to College Science
3.00 credit hours
NSC 130 Introduction to College Science Three credit hours An overview of the content and processes of science. Focuses on process skills and basic science concepts. For elective credit only.

NSC 140 Studies in the Natural Sciences
4.00 credit hours
NSC 140- Studies in the Natural Sciences Four Credit Hours In this course students learn about selected areas of the natural science while being guided in the use of scientific procedure and the practice of scientific thinking to collect and analyze data related to selected phenomena. Professional ethics in science and technology is also discussed. This course meets in a classroom setting three hours per week, with up to an additional three hours per week in a lab setting.
Prerequisites: MTH 130 or placement in a higher math

NSC 218 Sophomore Seminar I
1.00 credit hours
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. One contact hour per week plus attendance at departmental seminars. Crosslisted as CHE 218-9 and BIO 218-9
Prerequisites: total of 8 hours from Biology, Chemistry or Physics or permission of department

NSC 219 Sophomore Seminar II
1.00 credit hours
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. One contact hour per week plus attendance at departmental seminars. Crosslisted as CHE 218-9 and BIO 218-9
Prerequisites: total of 8 hours from Biology, Chemistry or Physics or permission of department

NSC 220 Introduction to Lab Research/Instru
2.00 credit hours
NSC 220 Introduction to Laboratory Research Instrumentation Two credit hours Introduction to the operating principles, theoretical basis, and data interpretation skills related to selected laboratory instrumentation. Includes both lectures and labs. For elective credit only

NSC 310 Responsible Research Seminar
1.00 credit hours
NSC 310 Responsible Research Seminar One credit hour The ethical and practical considerations involved in conducting research. General ethical guidelines are developed and illustrated by case studies of scientific fraud drawn from the original literature. Other topics that may be covered are copyright infringement, proper crediting of work in publications, publication choices (paper, patent, etc.), animal and human subject use, and the impact of information technology on the responsible conduct of research.
Prerequisites: Consent of the Department

NSC 318 Junior Seminar I
1.00 credit hours
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. 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.
Prerequisites: Junior standing or permission of department

NSC 319 Junior Seminar II
1.00 credit hours
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. 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.
Prerequisites: Junior standing or permission of department

NSC 419 Senior Seminar II
1.00 credit hours
NSC 419 Senior Seminar II One credit hour Independent investigation into the selected topic of the Senior Paper. Emphasis is placed on the skills necessary to produce a written paper, typically in the format of a journal article, plus present a seminar on the SIP topic. Attendance at Natural Sciences Seminars is required. This is the final course in the Senior Investigative Paper Sequence.
Prerequisites: NSC 429 or consent of Department

NSC 429 Senior Seminar I
2.00 credit hours
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.
Prerequisites: NSC 329 or CHE 329 or BIO 329 or consent of department

Mathematics (MTH)

MTH 130 Introduction to College Mathematics
3.00 credit hours
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
3.00 credit hours
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
3.00 credit hours
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.
Prerequisites: MTH 131

MTH 133 Survey of Practical Applica of Math
3.00 credit hours
MTH 133: Survey of Practical Applications of Mathematics 3 credit hours This course explores practical applications of mathematics in daily life. Students are introduced to linear, quadratic, exponential, and logarithmic functions and some of their many applications. Students are exposed to fundamental principles of probability and descriptive statistics including regression. students also learn how to construct and interpret graphical representations of data. Boolean logic, Venn diagrams, and basic principles of mathematical finance are also covered. Word problems are used extensively to help develop problem-solving and critical-thinking skills that can be routinely applied in daily life. Whenever possible, technology (including calculators and software applications) are used to illuminate the concepts covered in the course and assist problem solving.
Prerequisites: MTH 130 or placement

MTH 134 Mathematics and Culture
3.00 credit hours
MTH 134 Mathematics and Culture Three credit hours This course explores how mathematics is expressed globally and how it is shaped in different societies (i. e. numbering systems, nature, patterns, art, customs, activities). The topic of Ethnomathematics will be highlighted.

MTH 135 Mathematics and Personal Finance
3.00 credit hours
MTH 135: Mathematics and Personal Finance 3 credit hours This course explores techniques in successful management of personal finances. Through application of mathematical and critical thinking skills and concepts, it encompasses a broad coverage of basic financial planning and decision making, taxes, managing savings, purchasing a home, the impact of credit, investments and saving for retirement.
Prerequisites: MTH 130 or placement

MTH 136 Introductory Statistics
3.00 credit hours
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.
Prerequisites: MTH 131 or by placement

MTH 137 Precalculus I
3.00 credit hours
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.
Prerequisites: MTH 131 or by placement or consent of Department

MTH 138 Precalculus II
3.00 credit hours
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.
Prerequisites: MTH 137 or by placement or consent of Department

MTH 231 Calculus I
3.00 credit hours
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.
Prerequisites: MTH 138 or by placement

MTH 232 Calculus II
3.00 credit hours
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.
Prerequisites: MTH 231

MTH 233 Mathematics and Speadsheets
3.00 credit hours
MTH 233 Mathematics and Spreadsheets Three Credit Hours This course explores how to use a spreadsheet to enter and analyze data, set up mathematical formulas, and use various mathematical, statistical, financial, and logical functions and formatting for calculating, forecasting, presenting, and integrating data.
Prerequisites: MTH 130 or placement; CSC 131 or equivalent
Liberal Studies Pillar: IG

MTH 311 Junior Seminar I
1.00 credit hours
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
1.00 credit hours
MTH 312 Junior Seminar II One credit hour This course continues the facilitation of the writing of the Senior Investigative Paper. It further enhances students' skills in developing mathematical research topics and the use of mathematical presentation tools.

MTH 330 Modern Geometry
3.00 credit hours
MTH 330 Modern Geometry Three credit hours Logical structure and use of Euclidean geometry. The relationship of Euclidean geometry to other geometries.
Prerequisites: Mathematics 231 or consent of Department

MTH 331 Calculus III
3.00 credit hours
Infinite sequences and series: parametric equations and polar coordinates; vextors and geometry of space; functions of several variables, limits, and continuity; partial dervatives; and applications.
Prerequisites: MTH 232

MTH 332 Calculus IV
3.00 credit hours
MTH 332 Calculus IV Three credit hours Multiple integration; cylindrical and spherical coordinates; vector fields; line integrals; and Green's theorem in the plane. Surface area and surface integrals. Divergence Theorem.
Prerequisites: MTH 331

MTH 333 Probability & Statistics I
3.00 credit hours
MTH 333 Probability and Statistics I Three credit hours Elementary data analysis techniques, elements of probability theory, and analysis of random variables.
Prerequisites: Mathematics 232 or consent of the Department

MTH 334 Probability & Statistics II
3.00 credit hours
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.
Prerequisites: Mathematics 333 or consent of the Department

MTH 335 Introductory Abstract Algebra
3.00 credit hours
MTH 335 Introductory Abstract Algebra Three credit hours Elementary set theory and logic. Mappings, groups, rings, integral domains, fields, and polynomials.
Prerequisites: Mathematics 231 or consent of Department

MTH 336 Introductory Linear Algebra
3.00 credit hours
MTH 336 Introductory Linear Algebra Three credit hours Systems of linear equations, vector spaces, linear transformations, theory and applications of matrices and determinants.
Prerequisites: MTH 231 or consent of department

MTH 337 Mathematics for Elem Sch Teachers I
3.00 credit hours
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. Three lectures per week.
Prerequisites: MTH 132

MTH 338 Math For Elem School Teachers II
3.00 credit hours
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. Three lectures per week.
Prerequisites: MTH 337

MTH 339 Advanced Linear Algebra
3.00 credit hours
MTH 339 Advanced Linear Algebra Three credit hours This course evaluates eigenvalues, eigenvectors, diagonalization, symmetric matrices, linear transformations, kernel and range, inverse linear transformations, similarity, applications in: differential equations, geometry, least squares fitting to data and approximation problems, Fourier series, quadratic forms, LU-decomposition, approximating eigen values, complex numbers, modules, complex conjugates, complex vector spaces, and unitary and normal and Hermitian matrices
Prerequisites: MTH 336

MTH 362 Applications of Mathematics
3.00 credit hours
MTH 362 Applications of Mathematics Three credit hours This course is designed to cover various applications of mathematics including topics of finance, sets, and Venn diagrams, basic logic; permutations and combinations; mathematics in art and music; spreadsheets; problem solving/critical thinking (including games and puzzles); number systems; and math and culture.
Prerequisites: MTH 232

MTH 411 Senior Seminar I
1.00 credit hours
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.
Prerequisites: Consent of the department

MTH 412 Senior Seminar II
1.00 credit hours
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.
Prerequisites: Consent of the department

MTH 414 Prep for Standardized Testing
1.00 credit hours
MTH 414 Preparation for Standardized Testing One credit hour Preparation for standardized tests such as MFAT, subject GRE, and Praxis II-Mathematics Content. Topics include test anxiety and testtaking strategies, as well as a review of topics from math major courses.
Prerequisites: MTH 331, 333, 335, 336, and a declared Mathematics or Mathematics Education Major or consent of the Department
Corequisites: /

MTH 415 Independent Study in Mathematics
1.00 credit hours
MTH 415, 416 Independent Study in Mathematics One credit hour each In-depth study of areas of mathematics consistent with student interest and career objectives. Written reports are required.
Prerequisites: Advanced standing and consent of Department

MTH 416 Independent Study in Mathematics
1.00 credit hours
NULL

MTH 430 Topics in Analysis
3.00 credit hours
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.
Prerequisites: MTH 331 and 335

MTH 432 History and Foundations of Math
3.00 credit hours
MTH 432 History and Foundations of Math Three credit hours History of mathematics through creative problem solving. Set theory in the development of modem analysis algebra and geometry, proofs, techniques, and methods. Pioneers of mathematics.
Prerequisites: MTH 232

MTH 433 Mathematics for Scientists and Eng
3.00 credit hours
MTH 433 Mathematics for Scientists and Engineers Three Credit Hour Fundamental concepts and methods in applied mathematics. Topics covered include systems of linear equations and matrices, infinite series, complex numbers and variables, LaPlace transforms, differential and integral equations, Fourier Transforms, and Inverse Fourier Transforms. Applications in physics and engineering.
Prerequisites: MTH 336 and 434

MTH 434 Differential Equations I
3.00 credit hours
MTH 434 Differential Equations I Three credit hours Elementary techniques of solving ordinary differential equations. Applications in the biological and physical sciences. Three lectures per week.
Prerequisites: MTH 232

MTH 435 Transforms
3.00 credit hours
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.
Prerequisites: MTH 434

MTH 436 Differentials Equations II
3.00 credit hours
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
3.00 credit hours
MTH 437 Complex Variables Three credit hours Complex numbers, complex functions, and roots in the complex plane, transformation and linear mapping, limits and continuity, analytic and harmonic functions, Cauchy-Riemann equations, branches of functions, exponential and trigonometric functions, complex integrals, Taylor and Lauren series, singularities, zeroes and poles, residues, and definite integrals.
Prerequisites: MTH 331

MTH 438 Biostatistics
3.00 credit hours
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.
Prerequisites: MTH 231

MTH 439 Topics in Algebra
3.00 credit hours
MTH 439 Topics in Algebra Three credit hours Topics on semi-groups and groups, rings, integral domains, finite fields, modules over ring, and vector spaces over fields.
Prerequisites: MTH 335

MTH 442 Numerical Methods
3.00 credit hours
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. Three Lectures per week.
Prerequisites: MTH 232 and CSC 232

MTH 462 Topics in Number Theory
3.00 credit hours
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. Three lectures per week.
Prerequisites: MTH 335

MTH 490 Internship in Mathematics
3.00 credit hours
MTH 490 Internship in Mathematics Three credit hours A supervised internship in a professional environment that exposes the student to how mathematics is applied to solve real-world problems, as well as enabling students to interact with mathematicians in a setting other than the classroom. The student is required to formally present a detailed description of his/her experiences.
Prerequisites: Consent of the Department

MTH 492 Materials & Methods H School Math
3.00 credit hours
MTH 492 Materials and Methods in High School Mathematics Three credit hours The course acquaints students with pedagogical issues in teaching mathematics and enhances their ability to make decisions in a secondary school environment. The course fully supports the state and national standards for secondary school teachers in that it follows a curriculum that covers methods and strategies for teaching essential mathematical concepts to secondary school teachers.
Prerequisites: MTH 232, 335 and 336

MTH 494 Teaching Elementary Mathematics
3.00 credit hours
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 ommunity Block.
Prerequisites: Admission to Teacher Education

MTH 497 Special Topics in Mathematics
0.00 credit hours
MTH 497-498-499 Special Topics in Mathematics One, Two, or Three credit hours A course focusing on a specific topic designed to provide advanced study in an area of special interest in mathematics. The course serves as a restricted elective course and can be repeated upon Departmental approval.
Prerequisites: Consent of Department

MTH 498 Special Topics in Mathematics
3.00 credit hours
MTH 497-498-499 Special Topics in Mathematics One, Two, or Three credit hours A course focusing on a specific topic designed to provide advanced study in the area of special interest in mathematics. This course will serve as a restricted elective course and can be repeated upon departmental approval.
Prerequisites: Departmental approval

MTH 499 Special Topics in Mathematics
3.00 credit hours
MTH 499 Special Topcs - 1,2, or 3 credits 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.
Prerequisites: Departmental Approval

University College

University College is dedicated to the instruction and academic achievement of first and second year students. The college is home to all University students who are undecided or undeclared on a major degree program of study. The college includes an academic division for the organization of the Foundations Liberal Studies faculty; an administrative division for the management of student academic achievement and support programs and services; and the Biddle Institute, which provides intrusive academic and support services to students admitted using Non-cognitive and Metacognitive criteria, and manages the University's comprehensive research on these topics.

- Biddle Institute (p. 86)
- First-Year Experience (p. 87)
- Foundations Liberal Studies (p. 88)

Biddle Institute

The Biddle Institute is composed of freshmen whose admissions profile denotes non-cognitive indicators for college success. The Institute provides intrusive academic support and conducts Strength Awareness Training for its students, while also connecting in-classroom learning to out-of-class experiences. The Biddle Institute has three components, the Biddle Freshman Program (BFP), the Sit Lux Scholars Initiative, and the Center for the Study of Metacognitive Variables (CMV) research think-tank.

Biddle Freshman Program (BFP)

The Biddle Freshman Program (BFP) is generally a two-semester program for freshmen students who receive enhanced support to ensure successful matriculation. The JCSU Office for Admissions considers a student's SAT/ACT scores, high school GPA, and non-cognitive indicators (such as commitment and engagement) when determining a student's eligibility to participate in the program.

BFP students participate in academic advising through the Biddle Institute. BFP students are strongly encouraged to participate in the mentoring and tutoring components, which may be mandated based on academic performance.

BFP participants are limited to a maximum number of credit hours during their enrollment in the program. Typical BFP students take 12-13 credit hours, or up to 18 termed course credit hours, drawn from required courses of the Liberal Studies curriculum. Credit hours are limited during the student's enrollment to increase the likelihood of academic success. A BFP student may petition to enroll in up to fifteen credits per semester based on placement assessments. Choir and band students are approved to add those classes associated with these activities as necessary.

- The BFP student entering the university with a career/cumulative high school GPA below 2.0 must enroll in the Bridge to Biddle Pre-Semester Session held before the semester classes begin.
- During the Pre-Semester Session, BFP students must successfully complete the enrolled 4-6 credit hours. Failure to attend and successfully complete all Pre-Semester Session activities, as well as failure to obtain a passing grade of a "C" or better in each of the enrolled Pre-Semester Session courses, may result in dismissal from the University.
- The BFP student delays declaration of a major until earning a 2.5 career/cumulative GPA after the first semester or earning a 2.0 career/cumulative GPA after the second semester.
- After the BFP student has earned a 2.0 career/cumulative GPA or better at the end of the second semester, the student is released from the Biddle Institute Guidelines. A released student may declare a major and is subject to the University's Undergraduate Academic Standards Scale.
- A BFP participant who fails to obtain a 1.8 career/cumulative GPA or greater at the end of the second semester will be dismissed from the University.
- A BFP participant who earns a career/cumulative GPA of more than 1.8, but less than a 2.0 at the end of two semesters will be allowed to continue in the Biddle Freshman Program for a third semester.
- After the third semester, a BFP student who earns a 2.0 career/cumulative GPA or better will be released from the Biddle Institute Guidelines and is subject to the University's Undergraduate Academic Standards Scale. The student may declare a major.
- After the third semester, a BFP student who fails to earn a 2.0 career/cumulative GPA will be dismissed from the university.
- Academic dismissal from the Biddle Freshman Program is not subject to appeal.
- A dismissed BFP student may not enroll in subsequent matriculating terms of the University (unless otherwise permitted by the University College Dean). A BFP student dismissed following the fall or spring semester may petition to enroll in summer school. A BFP student dismissed following the fall or spring semester may petition for reinstatement after building the career/cumulative GPA to 2.0 in summer school.

- A BFP student dismissed immediately following the Bridge to Biddle Pre-Semester Session may not enroll in subsequent matriculating terms of the University or summer school (unless otherwise permitted by the University College Dean). A BFP student dismissed immediately following the Bridge to Biddle Pre-Semester Session may petition to enroll in a subsequent Bridge to Biddle Pre-Semester Session, if the dismissed BFP student has not enrolled in another post-secondary institution during the dismissal period. A BFP student dismissed immediately following the Bridge to Biddle Pre-Semester Session for a second time will be ineligible to participate in a Biddle Institute program.

Center for the Study of Metacognitive Variables (CMV)

The Center for the Study of Metacognitive Variables (CMV) is a research think-tank. Its primary mission is to understand if non-cognitive and metacognitive skills (such as grit, perseverance, or motivation) can predict college success, and if so, which particular skills can do so best. At its core, the center's work focuses on access to higher education. In addition, the center's efforts help to improve teaching and learning. The center relies on the talents of Faculty Fellows and Undergraduate Research Fellows, and its work is supported with grant funds.

Sit Lux Scholars Initiative

The Sit Lux Scholars Program is designed to be a two-semester initiative and serves first-time freshmen admitted to the University based solely on non-cognitive and metacognitive factors. The program mirrors components of the BFP and is distinguished by its required academic support programming, which include a bridge experience to the Fall semester, on-campus residence, academic advising, academic tutoring, and peer mentoring. This group of students receive enhanced academic support and assistance and is assigned to intrusive advisors who work very closely with classroom instructors. Sit Lux Scholars also participate in co-curricular activities and are expected to meet specific academic goals during their freshman year at the University. Failure to meet these goals will result in dismissal from the University.

- Sit Lux Scholars are required to enroll in the JCSUBridge to Biddle Pre-Semester Session, held before the semester classes begin.
- During the Pre-Semester Session, Sit Lux students must successfully complete the enrolled 4-6 credit hours. Failure to attend and successfully complete all Pre-Semester Session activities, as well as failure to obtain a passing grade of a "C" or better in each of the enrolled Pre-Semester Session courses, may result in dismissal from the University.
- Sit Lux Scholars take a limited number of credit hours during enrollment in the program. Typical Sit Lux Scholars take 12-13 semester credit hours, or up to 18 termed course credit hours, drawn from required courses of the Liberal Studies curriculum. Choir and band students are approved to add those classes associated with these activities as necessary.
- Sit Lux Scholars delay declaration of a major until earning a 2.5 career/cumulative GPA after the first semester or earning a 2.0 career/cumulative GPA after the second semester.
- After the Sit Lux student has earned a 2.5 career/cumulative GPA or better at the end of the first semester and has not withdrawn from any courses, the student may enroll into 15 credit hours in the second semester.
- After a Sit Lux Scholar has earned a 2.0 career/cumulative GPA or better at the end of the second semester, the student is released from the Biddle Institute Guidelines/Sit Lux Contract and is subject to the University's Undergraduate Academic Standards Scale. The student may declare a major.
- A Sit Lux Scholar who fails to obtain a 1.8 career/cumulative GPA or greater after two semesters will be dismissed from the University.
- A Sit Lux Scholar who earns a career/cumulative GPA of more than 1.8, but less than 2.0 at the end of two semesters will continue in the Sit Lux Scholars Program for a third semester.
- After the third semester, a Sit Lux Scholar who fails to obtain a 2.0 career/cumulative GPA or greater will be dismissed from the University.
- Sit Lux Scholars who fail to comply with the Biddle Institute Guidelines/Sit Lux Contract obligations may be dismissed from the University.
- Dismissal from the Sit Lux Scholars Program is not subject to appeal.
- A Sit Lux Scholar dismissed following the fall or spring semester may not enroll in subsequent matriculating terms of the University (unless otherwise permitted by the University College Dean). A Sit Lux Scholar dismissed following the fall or spring semester may petition to enroll in summer school. A Sit Lux Scholar dismissed following the fall or spring semester may petition for reinstatement after building the career/cumulative GPA to 2.0.
- A Sit Lux Scholar dismissed immediately following the Bridge to Biddle Pre-Semester Session may not enroll in subsequent matriculating terms of the University or summer school (unless otherwise permitted by the University College Dean). A Sit Lux Scholar dismissed immediately following the Bridge to Biddle Pre-Semester Session may petition to enroll in a subsequent Bridge to Biddle Pre-Semester Session, if the dismissed Sit Lux Scholar does not enroll in another post-secondary institution during the dismissal period. A Sit Lux Scholar dismissed immediately following the Bridge to Biddle Pre-Semester Session for a second time will be ineligible to participate in a Biddle Institute program.

First-Year Experience

The First-Year Experience division is responsible for students' successful transition to the University, enrichment of academic skills, and career development. The division coordinates orientation and retention programs, academic support services, and professional programs. While the orientation programs serve students who are entering the institution, the academic achievement support and professional development programs target all students at the University. In addition, the division manages The Hub, which is an academic achievement and support resource that houses Student Support Services (SSS), STEM Resource Center, the Center for Languages, Rhetoric & Culture (LRC), Career Services, and Nationally Competitive Scholarships.

Student Support Services (SSS)

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

homeless youths, students who are in foster care or aging out of it, or who are otherwise disconnected.

Services provided by the SSS program include:

- Academic tutoring to enable students to complete post-secondary courses, which may include instruction in reading, writing, study skills, mathematics, science, and other subjects;
- Advice and assistance in post-secondary course selection;
- Providing students with information on both the full range of federal student financial aid programs and benefits (including federal Pell Grant awards and loan forgiveness) and resources for locating public and private scholarships;
- Assistance in completing financial aid applications, including the Free Application for Federal Student Aid (FAFSA);
- Education or counseling services designed to improve the financial and economic literacy of students, including financial planning for post-secondary education; and
- Activities designed to assist students in applying for admission to graduate and professional school programs and in obtaining financial assistance to attend.

SSS also provides individualized counseling for personal, career, and academic information, activities, and instruction designed to acquaint students with career options; exposure to cultural events and academic programs; and breaks, attending to students who are homeless or who are in foster care or aging out it.

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

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

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

Foundations Liberal Studies

The Foundations Liberal Studies division delivers the core curriculum of the general education framework. It is designed to strengthen students' competencies as critical thinkers, capable writers, and cogent speakers. Courses also promote students' development as lifelong learners and global leaders. The division manages the academic experience for all students who are undecided about a major degree program of study. It is organized into three departments of faculty. First, the Department of Computation and Technology include faculty representing Computer Science and Mathematics. Second, the Department of Leadership and Personal Development involve faculty responsible for Health and Physical Education, Leadership and Career Development, and Smith Seminar Academic Orientation. Finally, the Department of Rhetoric and Culture include Faculty of Communication, English, and Foreign Language.

Liberal Studies Course Designation Key

- LSF: Foundations course
- LSP: Pillars course

Foundations Requirements:

- CS: Computers in Society
- HP: Health and Physical Education
- MT: Mathematics
- NL: Non-Native Language
- SS: Smith Seminar
- RH: Rhetoric

Pillars Requirements:

- HU: Humanities
- IG: Integrated Studies/Global Studies
- NS: Natural Sciences
- SB: Social and Behavioral Sciences
- VP: Visual, Performing, and Physical Arts

The College of Business and Professional Studies

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

The College of Professional Studies is comprised of the Departments of Business Administration and Public Leadership, the Department of Health and Human Performance, and the School of Social Work. Students may earn a Bachelor of Arts, Bachelor of Science, a Bachelor of Social Work, and a Master of Social Work.

Majors

- Business Administration Major (p. 91)
- Economics Major (p. 93)
- Public Health Major (p. 102)
- Social Work Major (p. 114)
- Sport Management Major (p. 103)

Minors

- Entrepreneurial Studies Minor (p. 94)
- ESport and Gaming Management Minor (p. 101)
- Exercise and Sport Science Minor (p. 101)
- Fitness and Wellness Management Minor (p. 101)
- Health Communication Minor (p. 101)
- Physical Education Minor (p. 102)
- Public Health Minor (p. 102)
- Public Leadership Studies Minor (p. 94)

- School Health Minor (p. 103)
- Sport Management Minor (p. 103)
- Sports Coaching Minor (p. 104)
- Sports Medicine Minor (p. 104)

Graduate Programs

- Advanced Standing Social Work Program (p. 113)
- MSW Part-Time Program (p. 113)
- Two-Year Master in Social Work Program (p. 116)

Business and Public Leadership

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

- The Bachelor of Science in Business Administration with concentrations in Accounting, 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 and rigorous learning experience that will produce socially conscious graduates who are prepared to pursue advanced study and/or compete effectively in the changing global economy.

A major in Business Administration consists of 61-70 program credit hours. In addition, all students must take 46 Credit Hours of Liberal Studies courses, and at least 6-15 electives hours. A minimum of 122 credit hours are required for graduation.

A major in Economics consists of 64 program credit hours. In addition, all students must take 46 Credit Hours of Liberal Studies courses, and at least 12 electives hours. A minimum of 122 credit hours are required for graduation.

Students must comply with all University requirements for graduation, including the General Education requirements, and Senior Paper. The student must earn at least a grade of C in the required courses for the Major and their *Prerequisites*.

In addition to the Liberal Studies requirements, each student is expected to complete 46 hours of Business core courses, including one three-hour international course offered by the Business Department. All Business Administration and Economics Majors must complete the Business Administration core sequence. Caveat Statement: The Math requirements may change based on the students' Math Placement results. Consult with the departmental advisors for further information.

Business Administration and Economics Honors Program

Eligibility

Sophomores and Juniors with a cumulative GPA of 3.4 or above are eligible to apply for the Honors Program. Students must maintain a GPA of 3.4 or above to remain in the program.

Requirements

Higher Level Math Requirement

In addition, Honors students are required to take one additional math class above the required six hours (excluding MTH 133 Survey of Practical Applica of Math and MTH 136 Introductory Statistics). Students may elect to take MTH 137 Precalculus I or higher.

Honors Academic Enhancement Requirement

In addition to their coursework, students hoping to graduate with Honors in Business Administration or Economics must successfully complete **three of the six strands** of the Business Administration and Economics Honors Academic Enhancement Program. The six strands of the Business Administration and Economics Honors Academic Enhancement Programs are:

- Corporate Connectivity: Students must attend at least 4 corporate events per academic year sponsored by the Business and Economic Department, The Metropolitan College of Professional Studies, and/or the Center for Career & Professional Development.
- Honor Society Participation: Students must join, maintain good standing and actively participate in Delta Mu Delta Business Honor Society
- Global Perspectives: Students must participate in at least one program that includes travel either abroad or domestically (NY Markets trip, CIBER Case Competition, China Cultural Center Exchange program, etc.)
- Volunteer/Service: Students must complete 80 hours of community or campus volunteer service. This may include participation in activities such as volunteering to serve during events such as the M&F Bank Small Business Conference, held in the New Science Center, or working on an ongoing, volunteer basis with a non-profit entity such as the Thurgood Marshall Fund or the local Food Bank.
- Undergraduate Research: Students actively participate in research in collaboration with faculty (across the campus). The research must produce either a publishable article, poster, or presentation.
- Leadership Development: Students actively participate in student leadership on campus. This could be in the form of starting or serving as an officer of a club on campus, or participating in GBAC or other elected office.

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Ph.D., 1998, Florida State University

Majors

- Business Administration Major (p. 91)
- Economics Major (p. 93)

Minors

- Public Leadership Studies Minor (p. 94)

Business Administration (BUS)

BUS 100 Introduction to Business
3.00 credit hours
BUS 100 Introduction of Business Three Credit Hours This Introduction to Business course explains the world of businesses and their owners, employees, and customers. Emphasis will be given to social responsibility, sustainability, economies of scale, and globalization. Basic business concepts, careers, and the interrelationships and complexities of businesses will be studied, analyzed, and evaluated.

BUS 233 Business Statistics
3.00 credit hours
BUS 233 Business Statistics Three credit hours Principles of applied business statistics, collection, tabulation, classification, presentation of business and economic data. Cross-listed with ECO 233
Prerequisites: MTH 132 or Higher

BUS 234 Quant Meth in Business
3.00 credit hours
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. Cross-listed with ECO 233
Prerequisites: BUS 233, or permission of instructor

BUS 336 Elements of Business Law
3.00 credit hours
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.
Prerequisites: ENG 132

BUS 339 Management Information Systems
3.00 credit hours
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 Presentation
1.00 credit hours
BUS 410 Professional Preparation One credit hour Provides help in surfacing, organizing, and assessing information that will be useful in job hunting efforts, as well as coaching in resume writing, interviewing skills, image building, and action planning.

BUS 433 Business and Economic Research
3.00 credit hours
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
3.00 credit hours
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.
Prerequisites: ACC 236, MGT 334, ECO 232, BUS 234, BUS 330, BUS 339, MKT 331

BUS 450 Research and Case Analysis
3.00 credit hours
BUS 450 Research and Case Analysis Three Credit Hours This course uses case analysis research methodology to teach students how to bring together their knowledge of the functional areas of business administration (management, marketing, accounting, finance, and economics) to analyze the strengths, weaknesses, opportunities, and threats (SWOT analysis) of companies in different business situations. Student will be taught to make recommendations to the company based on their analysis. Each student will also select a company that they will analyze in their senior paper in BUS 455.
Prerequisites: ACC 236, BUS 233, ECO 231, MGT 333, MKT 331, ECO 232 and BAF 330

BUS 455 Business Policy: Senior Inves.Paper
3.00 credit hours
BUS 455: Business Policy: The Senior Investigative Paper Three Credit Hours This course deals with conducting research to analyze a company under conditions of uncertainty. Each student researches the company they selected in BUS450 to write a Senior Paper that integrates the knowledge acquired in the functional areas of business administration (management, marketing, accounting, finance, and economics) to conduct a SWOT analysis and provide recommendations based on it. The paper is done under the supervision of a faculty member.
Prerequisites: BUS 450

BUS 460 Senior Paper
3.00 credit hours
BUS 460 Senior Paper Three credit hours Students will write an investigative paper based upon the research proposal developed in the The paper will be done under the supervision of a faculty person.
Prerequisite: BUS 433.
Prerequisites: course

BUS 480 Business Analytics
3.00 credit hours
BUS 480 Business Analytics Three Credit Hours This course will introduce ways in which enterprises, such as private entities, non-profits, and governments, that can use data to gain insights and make better decisions. Emphasis on analyzing data related to business operations, finance, accounting, market response, customer segmentation, customer targeting, brand positioning and pricing and promotion decisions, etc., will all be studies in critical thinking and strategic planning to relate to other discipline and functions. Also, explanatory, and predictive models, optimization, and simulation will be included to influence business decision and possible profitable actions.
Prerequisites: MTH 131 or MTH 133, MGT 333, ECO 231, MKT 331 ACC 235, BAF 330

BUS 490 Internship
3.00 credit hours
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. Only one period of internship is permitted.
Prerequisites: Six hours of Business Administration courses

Economics (ECO)

ECO 230 Economics for Non-Bus and Eco Major
3.00 credit hours
ECO 230-Economics for Non Business & Economics Majors Three credit hours This is an economics course which is designed for students who may or may not be majoring in Business Administration and Economics. The objective of this course is to provide the basic foundation of our economic system in terms of how our economic system determines what to produce, how to produce,and how to distribute the resulting products. This course does not require any
Prerequisites: .

ECO 231 Principles of Macroeconomics
3.00 credit hours
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.
Prerequisites: MTH 132 or higher or the permission of the instructor

ECO 232 Principle of Microeconomics
3.00 credit hours
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.
Prerequisites: Econ 231or permission of the instructor

ECO 233 Economic Statistics
3.00 credit hours
ECO 233 Economic Statistics Three credit hours Principles of applied business statistics, collection tabulation, classification, and presentation of business and economic data. Cross-listed with BUS 233
Prerequisites: MTH 132 or higher, excluding MTH 133 and MTH 136

ECO 332 Urban & Regional Economics
3.00 credit hours
NULL

ECO 334 Interna Economics & Social Problems
3.00 credit hours
ECO 334 International Economics and Social Problems Three Credit Hours A comprehensive view of the international field of exchange, production and distribution.
Prerequisites: ECO 232

ECO 335 Microeconomic Theory
3.00 credit hours
ECO 335 Microeconomic Theory Three Credit Hours Examination of value and distribution theory, including the theory of consumer behavior and theory of firms.
Prerequisites: ECO 231 and ECO 232

ECO 336 Macroeconomic Theory
3.00 credit hours
ECO 336- Macroeconomic Theory- Thee Credit Hours An analysis of the national income level, employment and price levels.
Prerequisites: ECO 335

ECO 431 Industrial Org & Regulation of Bus
3.00 credit hours
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.
Prerequisites: ECO 336

ECO 432 Economic Development
3.00 credit hours
ECO 432 Economic Development Three Credit Hours A study of the economics of underdeveloped countries with major concentration on African countries.
Prerequisites: ECO 335 and ECO 336 or permission of instructor

ECO 437 Public Finance
3.00 credit hours
ECO 437- Public Finance Three Credits An economic analysis of the rationale for public expenditures and taxation. Externalities, pollution and public policy, income redistribution and public welfare, and cost benefi analysis, taxation and state policy, state and local finance and fiscal federalism.
Prerequisites: ECO 232 or permission of instructor

ECO 438 Environmental Economics
3.00 credit hours
ECO 438 Environmental Economics Three Credit Hours This course focuses on the use of economics in understanding pollution, congestion, conservation, and other environmental problems. Relevant economic models such as pricing schemes, damage functions, and benefit-cost analysis are studied. Pollution taxes, regulations, marketable permits, and subsidies considered in designing alternative in the incentive system are also studied, as well as non-market decision making as an alternative in the area of public policy.
Prerequisites: ECO 232 or permission of instructor

Business Administration Major

A Business Administration major is required to take 46 credit hours of courses. These courses consist of a Required Core of 43 credit hours and three credit hours of International Business. In addition, Business Administration majors must take a concentration in Accounting (21 credit hours), Finance (18 credit hours), International Business (24 credit hours),

Management (15 credit hours), Management Information Systems (21 credit hours), Marketing (18 hours), or Retail Management (18 hours). Other courses may be deemed appropriate with the approval of the student's advisor and Department Chair. If students place into courses lower than the starting courses indicated, they will have to take additional hours to meet these *Prerequisites*. Course *Prerequisites* are described in the course descriptions. Business Administration majors must also complete the following coursework and earn at least a grade of C in each course. A minimum of 122 is required for graduation.

Code	Title	Hours
Required Core [1]		
ACC 235	Financial & Managerial Account I	3
ACC 236	Financial and Managerial Account II	3
BAF 330	Business Finance	3
BUS 233	Business Statistics	3
BUS 234	Quant Meth in Business	3
BUS 336	Elements of Business Law	3
BUS 339	Management Information Systems	3
BUS 410	Professional Presentation	1
BUS 450	Research and Case Analysis	3
BUS 455	Business Policy: Senior Inves.Paper	3
ECO 231	Principles of Macroeconomics	3
ECO 232	Principle of Microeconomics	3
MGT 333	Principles of Management	3
MGT 336	Business Communication	3
MKT 331	Principles of Marketing	3
International Business Electives		
Select three hours from the following:		3
BAF 334	International Finance	
ECO 334	Interna Economics & Social Problems	
MGT 438	International Business	
Concentration		
Select one of the following concentrations:		15-21
Accounting (p. 92)		
Finance (p. 92)		
International Business (p. 92)		
Management (p. 93)		
Management Information Systems (p. 93)		
Marketing (p. 93)		
Retail Management (p. 93)		
Total Hours		**61-67**

[1] MTH 132 Finite Math or higher is a prerequisite for all Business Administration and Economic core courses, excluding MTH 133 Survey of Practical Applica of Math and MTH 136 Introductory Statistics.

Accounting Concentration

Code	Title	Hours
ACC 335	Intermediate Financial Acct I	3
ACC 336	Intermediate Financial Acct II	3
ACC 339	Cost Accounting	3
ACC 435	Advanced Accounting	3
ACC 437	Federal Income Tax Analysis I	3
ACC 439	Auditing	3
ACC 431	Accounting Information Systems	3
Total Hours		**21**

Note: Students planning to concentrate in Accounting should register for ACC 235 Financial & Managerial Account I in the Fall Semester of their sophomore year to maintain proper sequencing in their Accounting courses. Failure to do so may require more than four years to complete the course requirements.

Finance Concentration

Code	Title	Hours
BAF 331	Money and Banking	3
BAF 430	Corporate Finance	3
BAF 431	Investments	3
BAF 432	Financial Institutions and Markets	3
BAF 334	International Finance	3
or ECO 334	Interna Economics & Social Problems	
Select one of the following:		3
ACC 335	Intermediate Financial Acct I	
BAF 339	Risk Management and Financial Plan	
BAF 332	Commercial Bank Management	
BAF 333	Financial Statement Analysis	
Total Hours		**18**

International Business Concentration

Code	Title	Hours
BAF 334	International Finance	3
ECO 334	Interna Economics & Social Problems	3
MKT 435	International Marketing	3
Select one Intermediate Foreign Language I: [1]		3
SPA 231	Intermediate Spanish I	
FRE 231	Intermediate French I	
CHI 231	Intermediate Chinese I	
Select one Intermediate Foreign Language II: [2]		3
SPA 232	Intermediate Spanish II	
FRE 232	Intermediate French II	
CHI 232	Intermediate Chinese II	
Select one Advanced Foreign Language: [3]		3
SPA 331	Adv Spanish Grammar,Comp & Convers	
FRE 333	Adv Studies in Fre Convers, Gra & C	
CHI Advanced		
Total Hours		**18**

[1] The equivalent of JCSU's 231 language course.
[2] The equivalent of JCSU's 232 language courses.
[3] The equivalent of JCSU's 333 language courses.

Note: The Foreign Language courses taken to satisfy the requirements of the International Business Concentration may be applied to the completion of a language major or minor.

Management Concentration

Code	Title	Hours
MGT 334	Human Resources Management	3
MGT 335	Leadership & Organizational Change	3
MGT 339	Small Business Management	3
MGT 436	Organizational Behavior and Design	3
MGT 440	Total Quality Management	3
Total Hours		**15**

Management Information Systems Concentration

Code	Title	Hours
CSC 231	Computer Programming I	3
CSC 233	Introduction to Discrete Structures	3
CSC 330	Systems Analysis & Design	3
CSC 332	Computer Networking	3
CSC 333	Computer Organization & Architectur	3
CSC 334	Introduction to Operating Systems	3
MTH 231	Calculus I	3
Total Hours		**21**

Marketing Concentration

Code	Title	Hours
MKT 334	Principles of Retailing	3
MKT 335	Fundamentals of Selling	3
MKT 432	Managerial Marketing	3
Select three of the following:		9
MKT 332	Advertising	
MKT 350	Consumer Behavior	
MKT 430	Marketing Channels	
MKT 435	International Marketing	
Total Hours		**18**

Retail Management Concentration

Code	Title	Hours
MKT 334	Principles of Retailing	3
MKT 335	Fundamentals of Selling	3
MKT 336	Retail Buying and Merchandising	3
MKT 334	Principles of Retailing	3
Select two of the following:		6
MKT 350	Consumer Behavior	
MKT 430	Marketing Channels	
MKT 431	Supply Chain Management	
MKT 435	International Marketing	
Total Hours		**18**

Training

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Subheading

1. one
2. two
3. three

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- b1
- b2
- b3

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Links

JCSU (https://www.jcsu.edu)

University Catalog (p. 4)

Registrar (registrar@jcsu.edu)

Economics Major

An Economics major is required to take up to 70 credit hours of courses. These courses consist of a Required Core of 55 credit hours, up to 6 credit hours based on the major's Math placement, 3 credit hours of International Economics Electives, and 6 credit hours of Economics Electives. If students place into courses lower than the starting courses indicated, they will have to take additional hours to meet these prerequisites. Course prerequisites are described in the course descriptions. Other courses may be deemed appropriate with the approval of the student's advisor and Department Chair. A minimum of 122 credit hours are required for graduation.

This program is currently in teach out and is not accepting new majors.

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

Code	Title	Hours
Prerequisite		
MTH 132	Finite Math (up to 6 credit hours based on the major's Math placement) [1]	3
Required Core		
ACC 235	Financial & Managerial Account I	3
ACC 236	Financial and Managerial Account II	3
BAF 330	Business Finance	3
BAF 331	Money and Banking	3
BUS 336	Elements of Business Law	3
BUS 339	Management Information Systems	3
BUS 410	Professional Presentation	1
BUS 450	Research and Case Analysis	3
BUS 455	Business Policy: Senior Inves.Paper	3
ECO 231	Principles of Macroeconomics	3
BUS 234	Quant Meth in Business	3.00
ECO 232	Principle of Microeconomics	3
ECO/BUS 233	Economic Statistics	3
ECO 334	Interna Economics & Social Problems	3
ECO 335	Microeconomic Theory	3
ECO 336	Macroeconomic Theory	3

MGT 333	Principles of Management	3
MGT 336	Business Communication	3
MKT 331	Principles of Marketing	3
International Economics Electives		
Select three hours from the following:		3
BAF 334	International Finance	
MGT 438	International Business	
MKT 435	International Marketing	
Economics Electives		
Select six hours from the following:		6
BAF 432	Financial Institutions and Markets	
ECO 432	Economic Development	
ECO 437	Public Finance	
ECO 438	Environmental Economics	
BAF 431	Investments	
Total Hours		**67**

[1] MTH 132 Finite Math or higher is a prerequisite for all Business Administration and Economic core courses, or higher, excluding MTH 133 Survey of Practical Applica of Math and MTH 136 Introductory Statistics.

Public Leadership Studies Minor

A minor in Public Leadership Studies consists of 21 Credit Hours, distributed as follows.

Minors in Public Leadership Studies must earn a grade of **C** or better in all courses counting toward the minor.

Code	Title	Hours
Public Leadership Studies Requirements		
PLS 131	Introduction to Public Leadership	3
PLS 235	Global Leadership	3
PLS 231	Interpersonal Leadership Developmen	3.00
PLS 236	Critical Thinking	3
PLS 331	Organizational Leadership Developme	3
or PLS 332	Diversity Leadership in Organizat	
PLS 430	Classic Figures and Theories	3
PLS 433	Ethical Leadership in a Changing	3
Total Hours		**21**

Entrepreneurial Studies Minor

A minor in Entrepreneurial Studies consists of a minimum of 18 Credit Hours.

Minors in Entrepreneurial Studies must earn a grade of **C** or better in all courses counting toward the minor.

Code	Title	Hours
Entrepreneurial Studies Requirements		
ENT 231	Intro to Entrepreneurship	3
ENT 335	Entrepreneurial Marketing	3
ACC 235	Financial & Managerial Account I	3
ENT 330	Innovative Thinking	3
ENT 334	Funding Your Business Venture	3
Select one elective from the following:		3
BUS 233	Business Statistics	
BUS 336	Elements of Business Law	
ACC 334	Not-For-Profit Accounting	
MKT 334	Principles of Retailing	
MKT 335	Fundamentals of Selling	
PLS 234	Personal Branding	
ENT 490	Special Topics	
ENT 331	Business Innovations	3.00
Total Hours		**21**

Health and Human Performance

The Department of Health and Human Performance offers programs that lead to a Bachelor of Science Degree in Public Health or Sport Management. The Department seeks to accomplish the following goals: to prepare students for careers in health promotion, public health, sport management, and related areas and to prepare students for further study in their selected fields.

The Department houses Health and Physical Education courses that meet requirements in the Liberal Studies Program or as general electives. Students in other departments may satisfy the Health and Physical Education Foundation Requirement by satisfactorily completing HED 132 Personal Health and Wellness, PED 136 Physical Fitness and Wellness or PED 131 Aerobic Fitness.

Note: PED 026 Adapted Physical Education is an adaptive physical activity course for students with a temporary or permanent disability. Enrollment in the course is contingent upon permission from a physician and/or the inability of the student to participate in the regular activity courses.

All Public Health majors must take BIO 143 Intro to Biology I. All Sport Medicine minors must take BIO 143 Intro to Biology I.

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 First Aid, AED, and CPR.

A major in Public Health consists of 59 program credit hours. In addition, all students must take 46 Credit Hours of Liberal Studies courses, and at least 6 elective hours. A minimum of 122 is required for graduation.

A major in Sport Management consists of 54 program credit hours. In addition, all students must take 46 Credit Hours of Liberal Studies courses, and at least 6 elective hours. A minimum of 122 is required for graduation.

Students must comply with University requirements for graduation, including the General Education requirements, Senior Paper, and senior level proficiency exam. Students must earn at least a grade of **C** in the required courses for the major and their *Prerequisites*.

The Honors Program

Honor students in the Department of Health and Human Performance will be provided with enriching experiences that 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:

Eligibility

- Must possess a 3.0 Grade Point Average
- Must obtain and maintain membership in Phi Epsilon Kappa Fraternity

Requirements

- Must participate in the Department's student major organization
- Must obtain and maintain membership in a professional organization of his or her choice
- Must attend at least one approved conference for a professional organization in his or her discipline
- Must participate in collaborative opportunities offered by the Department, including workshop presentations and professional development activities available through the Department's Career Network Institute.

B

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Department of Health and Human Performance
B.S., 1986, Kent State University
M.A., 1990, Kent State University
Ph.D., 1995, Kent State University

G

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Department of Leadership and Personal Development
B.S., 1968, University of Madras
M.S., 1971, University of Michigan - Ann Arbor
Ph.D., 1997, UNC - Greensboro

L

BerNadette Lawson-Williams (2003)
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

Robert Lindsey (2006)
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B.A., 1992, Washington University in St. Louis
M.A.E.S, 1996, University of Missouri - Columbia
Ph.D., 2000, University of Florida

M

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Chair, Health and Human Performance
Professor of Health Education
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B.S., 1996, University of Memphis
M.S., 1999, University of Memphis
Ph.D., 2004, University of Alabama

Majors

- Public Health Major (p. 102)
- Sport Management Major (p. 103)

Minors

- ESport and Gaming Management Minor (p. 101)
- Exercise and Sport Science Minor (p. 101)
- Fitness and Wellness Management Minor (p. 101)
- Health Communication Minor (p. 101)
- Physical Education Minor (p. 102)
- Public Health Minor (p. 102)
- School Health Minor (p. 103)
- Sport Management Minor (p. 103)
- Sports Coaching Minor (p. 104)
- Sports Medicine Minor (p. 104)

Health (HED)

HED 131 Personal Health
3.00 credit hours
HED 131 Personal Health* Three Credit Hours A lecture courses 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.

HED 132 Personal Health and Wellness
3.00 credit hours
HED 132- Personal Health and Wellness Three Credit Hours A lecture and physical activity course focusing on topics such as Preventive health care, nutrition, physical activity, coping in today's Society, decision making, diseases, drugs, love and the human life Cycle.

HED 230 Introduction to Health Education
3.00 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
3.00 credit hours
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
3.00 credit hours
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
3.00 credit hours
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
3.00 credit hours
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 become certified in First Aid and CPR.

HED 235 Drugs and Drug Education
3.00 credit hours
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 236 Women's Health
3.00 credit hours
HED 236 Women's Health Three credit hours This course explores the field of women's health and its relationship to both the lives of women and to understanding broader culture and society.It is designed to give the student a basic scientific understanding of the major differences between the sexes, the influence these differences have on illness and health outcomes, and the implications for policy, medical research, and health care.

HED 310 Independent Study
1.00 credit hours
HED 310, 320, & 330 Independent Study One - Three credit hours A course designed to provide intensive work in an area of special interest or a required topic in health education. This course is available to qualified students upon recommendations from their academic advisor and the instructor related to the topic.

HED 320 Independent Study
3.00 credit hours
HED 310, 320, & 330 Independent Study One - Three credit hours A course designed to provide intensive work in an area of special interest or a required topic in health education. This course is available to qualified students upon recommendations from their academic advisor and the instructor related to the topic.

HED 330 Independent Study
3.00 credit hours
HED 310, 320, & 330 Independent Study One - Three Credit Hours A course designed to provide intensive work in an area of special interest or a required topic in health education. This course is available to qualified students upon recommendations from their academic advisor and the instructor related to the topic.

HED 332 Health Ed & Phy Act in Elem Schools
3.00 credit hours
HED 332 Health Education & Physical Activity in the Elementary Schools Three Credit Hours This course is designed to assist students in developing knowledge and skills in planning curricula, defining, instructional objectives, and writing lesson plans to enhance their effectiveness in teaching health education and physical activity content at the elementary school level (FORMERLY HED 322).

HED 333 School Health Problems
3.00 credit hours
HED 333 School Health Problems Three credit hours This course is designed to provide the student with a working knowledge of the Coordinated School Health Program in schools and the major health issues affecting today's students. Techniques for identifying problem areas, designing and implementing change strategies, and evaluating the results are also a part of this course.

HED 334 Program Planning and Evaluation
3.00 credit hours
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 & Issues
3.00 credit hours
HED 335 Minority Health Three credit hours Problems and Issues 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
3.00 credit hours
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 337 Environmental Health
3.00 credit hours
HED 337 Environmental Health Three credit hours This course examines the physical, chemical, and biological factors external to a person and all the related factors impacting behaviors. It encompasses the assessment and control of those environmental factors that can potentially affect health as they relate to preventing disease and creating health-supportive social and cultural environments

HED 338 Junior Seminar Health Research I
3.00 credit hours
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 395 Human Lactation
3.00 credit hours
HED 395 Human Lactation Three Credit Hours The didactic component of the lactation program provides students comprehensive breastfeeding and human lactation eduction. Students will be provided with the basic medical sciences as well as public health and social work perspectives, including consideration of equity, population and program-based applications associated with human lactation. Attendance at breastfeeding conferences and other pre-approved coursework will also be an important part of each student experience. Enrollment into the course by permission only.

HED 396 Human Lactation II
3.00 credit hours
HED 396 Human Lactation II Three credit hours Continuation of HED 395. The didactic component of the lactation provides students comprehensive breastfeeding and human lactation education. Students will be provided with the basic medical sciences as well as public health and social work perspectives, including consideration of equity, population and program-based applications associated with human lactation.
Prerequisites: HED 395, Human Lactation

HED 430 Senior Seminar: Health Research II
3.00 credit hours
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
3.00 credit hours
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
3.00 credit hours
HED 434 Methods and Materials in Teaching Health Education Three credit hours This course is designed to provide the student with the opportunity to develop knowledge and competencies in the use of effective methods of teaching health education and the effective use of resources. Best practices as they relate to the National Health Education Standards, the North Carolina Standard Course of Study, and educational technology are also a part of this course.
Prerequisites: Health Education 333
Corequisites: EDU 312 (must be taken concurrently)

HED 435 Epidemiology
3.00 credit hours
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
3.00 credit hours
HED 436 Health Administration Three credit hours Introductory course to health administration. Background of health care, health policy, the healthcare delivery system, health care access, health finance, the pharmaceutical industry, and ethics will be explored.

HED 437 Applications in Health Communicatio
3.00 credit hours
HED 437 Applications in Health Communications Three credit hours A course designed to introduce the student to the many facets of health communication. Understanding of theoretical frameworks in health, health literacy, and levels of communication will be explored. Practical experience in design and production of health educational materials utilizing health communication channels will be required.

HED 438 Soc. & Behav Aspects of Global Hlth
3.00 credit hours
This course covers the behavioral, social, and cultural aspects of health and disease. Students learn how behavioral and social theories are relevant to health promotion and disease prevention efforts and in relevant to health promotion and disease prevention efforts in behavior-based safety efforts. They also learn how factors protect or erode health at multiple levels (including individual, community, societal, and global levels) and how interventions are developed to improve health by addressing critical factors at each of these levels. The course also addresses the roles of culture, race, and ethnicity in the conceptualization of health and illness.

HED 439 Queer Studies
3.00 credit hours
HED 439 Queer Studies Three Credit Hours In this course, students will explore the field of queer studies- its relationship to both the lives of lesbian, gay, bisexual, and transgender (LGBT) people and to understanding of broader culture and society. Particular attention will be given to the relationships between discrimination and oppression, and health and wellness. Health disparities in the LGBT population will also be explored. Issues will be explored using interdisciplinary approaches that incorporate the intersecting questions of race, class, gender, and nationality alongside sexuality and gender identity. We will cultivate analytical tools developed out of feminist and LGBT political movements.
Prerequisites: ENG 131

HED 490 Special Topics in Health
3.00 credit hours
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.

HED 495 Lactation Practicum
3.00 credit hours
HED 495 Lactation Practicum Three Credit Hours The clinical component of the lactation programs provides students with practical experiences related to the mother and child and includes direct observation, competency attainment, and supervised practice within inpatient and outpatient settings. It involves student experiential sharing and topic review, shadowing, and attendance at meetings. All student will complete at least 300 hours of clincical lactation experience. Enrollment into the course by permission only. Course may be repeated for credit.
Prerequisites: HED 395, Human Lactation

HED 496 Lactation Practicum II
3.00 credit hours
HED 496 Lactation Practicum II Three Credit Hours Continuation of HED 495. The clinical component of the lactation program provides students with practical experiences related to the mother and child and includes direct observation, competency attainment, and supervised practice within inpatient and outpatient settings. It involves student experiential sharing and topic review, shadowing, and attendance at meetings. All students will complete at least 300 hours of clinical lactation experience. Enrollment into the course by permission only. Course may be repeated for credit.
Prerequisites: HED 495, Lactation Practicum

Physical Education (PED)

PED 020 Beginner Tennis
2.00 credit hours
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
2.00 credit hours
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
2.00 credit hours
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
2.00 credit hours
PED 023 Advanced Beginner Swimming Two Credit Hours This is a swimming course designed to teach students basic swimming skills. *This course satisfies the Liberal Studies Requirement.
Prerequisites: PED 022 or must be able to swim 30 feet on the back and front, or permission of the instructor

PED 024 Intermediate Swimming
2.00 credit hours
PED 024 Intermediate Swimming Two credit hours This course provides the student with the opportunity to develop a high level of proficiency in the American crawl, back crawl, and elementary backstroke.
Prerequisites: PED 023 or permission of the instructor

PED 025 Intermediate Tennis
2.00 credit hours
PED 025 Intermediate Tennis Two credit hours This course affords the student the opportunity to develop more advanced strokes such as the volley, overhead shot, drop shot, and lob. It also allows the student to be in actual dual match competition in a smaller class setting. *This course satisfies the Liberal Studies requirement.
Prerequisites: PED 020 or permission of the instructor

PED 026 Adapted Physical Education
2.00 credit hours
PED 026 Adapted Physical Activity Two credit hours This is a course in conditioning and sport activities designed for those with temporary or permanent physical disabilities that prevent participation in regular activity classes. A student must have permission from a physician before participating in this course. *The course satisfies the Liberal Studies requirement.

PED 120 Weight Training
2.00 credit hours
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
2.00 credit hours
PED 121 Outdoor Pursuits Two credit hours The purpose of this course is to enhance students 'knowledge of several outdoor, recreational, and physical activities such as hiking, canoeing, cycling, Nordic skiing, alpine skiing, and skin diving.

PED 122 Volleyball & Softball
2.00 credit hours
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.

PED 123 Basketball & Soccer
2.00 credit hours
PED 123 Basketball and Soccer Two credit hours This course is designed to introduce the student to the basic skills, strategies, and rules of basketball and soccer.

PED 124 Team Sports
2.00 credit hours
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 & Dance
2.00 credit hours
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
2.00 credit hours
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
2.00 credit hours
PED 127 Recreational Games Two credit hours This course is designed to introduce the student to skills, strategies, and rules of a variety of lifetime sports such as bowling, shuffleboard, handball, badminton, track and field, and archery. The activities offered are determined each semester the course is offered. *The course satisfies the Liberal Studies requirement.

PED 128 Yoga, Stress Management & Relaxatio
2.00 credit hours
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
2.00 credit hours
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
Prerequisites: for this course

PED 130 Argentine Tango
3.00 credit hours
PED 130 Argentine Tango Dance Three Credit Hours This course will focus on the basics of the Argentine Social Dance known as Tango, and the physical conditioning required to participate in it. It will include the history and roots of the music and the dance. It will also address the etiquette and customs that surround the social dance. No
Prerequisites: are required

PED 131 Aerobic Fitness
3.00 credit hours
PED 131 Aerobic Fitness Three credit hours This course incorporates the basic principles of cardiovascular conditioning through low and high impact moves and intensities. Classes will include kickboxing, boot camp, step aerobics, and circuit training, combined with stretching, muscle toning and abdominal work. This course will be part lecture and part activity to promote overall physical fitness and wellness. Students will learn to participate in aerobic combinations helping to improve their cardiovascular system, have a better understanding of weight control, determine their body composition and current cardiorespiratory and muscular fitness levels, and select a safe and appropriate aerobic program. This course satisfies the Foundation requirement in the Liberal Studies Program.

PED 135 Rhythm and Dance
3.00 credit hours
Rhythm and Dance Three Credit Hours This course will focus on introducing all levels of students to the practical understand of and participation in various dance forms and creative movement. It will encourage positive self/body awareness, promoting health and encouraging the development of cognitive and intuitive skills as well as increased well –being Finally, it will increase students' global awareness of the role of dance in culture through writing and analysis. This course is accessible for all levels of movers. Prior dance experience is not a This will satisfy the Visual, Performing, and Physical Arts Pillar.
Prerequisites: for this course

PED 136 Physical Fitness and Wellness
3.00 credit hours
PED 136 Physical Fitness and Wellness Three credit hours This course is designed for students to participate in physical activity. It involves the interaction and participation of aerobic fitness and conditioning exercises that emphasize cardiovascular endurance, muscular endurance, muscular strength, body composition, flexibility and stress management through yoga practice. The course promotes healthy living that encompasses wellness and science-based approach towards the field of nutrition, exercise, health promotion and disease prevention. This course satisfies the Foundation requirement in the Liberal Studies Program.

PED 138 Yoga: Union of Mind and Body
3.00 credit hours
PED 138 Yoga: Union of Mind & Body Three Credit Hours This course will explore the many dimensions of yoga. Students are introduced to the ancient discipline of personal development that balances body, mind, and spirit. It has three components: an introduction to the history, practice and philosophy of classical yoga & its goals which students explore through study of anatomy & physiology, reading and inquiry; stress management methods; practice of Hatha yoga postures, focused breathing and various forms of medication.

PED 224 Methods of Teaching Dance
2.00 credit hours
The techniques of teaching and learning the methods and techniques of teaching rhythm and dance. (Formerly PED 224 DANCE)

PED 230 Foundations of Physical Edu & Sport
3.00 credit hours
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
3.00 credit hours
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 234 Sport Skills & Techniques
3.00 credit hours
PED234 Sport Skills and Techniques Three Credit Hours This course will introduce students to the fundamentals of instructing sports techniques and skills in an instructional setting. The course will expose students to dual, individual, and team sports. It will also enable students the opportunity to learn and apply the rules of each sport in a practical setting.

PED 235 SPORTS OFFICIATING
3.00 credit hours
PED 235 Sports Officiating Three 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 236 Theory and Practice of Coaching
3.00 credit hours
PED 236 Theory and Practice of Coaching Three 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 237 Introduction to Athletic Training
3.00 credit hours
This course is intended to introduce students to the profession of athletic training and sports medicine; The history and development of the profession and the concept of the sports medicine team, function, career opportunities and professional standards of the national (NATA), as well as medical terminology. Students will be required to complete a 50 hour clinical observation.

PED 238 Introduction to Exercise Science
3.00 credit hours
This course gives an overview of the foundation of exercise science and the professions in physical education and sport. The course is designed to enable the students to understand the exercise sciences as fields of academic study and programs as well as professional applications. In addition, this course enables students to discriminate among these contexts and relate them by applying relevant knowledge and appropriate theoretical perspectives. It also explores the foundation of exercise physiology and how the cardiovascular, metabolic and neuromuscular systems respond during exercise.

PED 239 Exercise Prescription
3.00 credit hours
This course provides students with the recommendations and rationale necessary to design fitness programs for healthy adults and special populations. In addition, the course will explore the application of specificity, overload, and progression as well as provide an overview of acute program variables, changes made in a program, selection of exercises, how to determine frequency, and exercise sequence. Students will learn exercise program design based on underlying principles and concepts developed for very specific training goals and match these goals with the necessary program design to achieve desired results. The course also addresses how to add variation to a training program with weight loads, repetitions and sets, intensity, volume, and rest period lengths. (3 credits) **
Prerequisites: PED 126 (Physical Fitness)

PED 310 Independent Study
3.00 credit hours
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 320 Independent Study
3.00 credit hours
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 330 Independent Study
3.00 credit hours
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
3.00 credit hours
PED 332 Kinesiology and Biomechanics Three credit hours This course reinforces student knowledge of anatomy and provides the student with the opportunity to develop competencies essential to analyzing physical activity performance. A laboratory experience is included. (Prerequisite for BIO 240 is BIO 142 or 143.)
Prerequisites: BIO 240

PED 335 Methods & Materials of Tech Pre-Sch
3.00 credit hours
PED 335 Methods and Materials of Teaching Pre-School Through Three Credit Hours 6th Grade Physical Education 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
3.00 credit hours
PED 336 Adapted Physical Education Pedagogy Three Credit Hours This course is designed to provide the student 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 338 Junior Seminar
3.00 credit hours
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 341 Measurement & Evaluation in HP
3.00 credit hours
PED 341 Measurement and Evaluation in Human Performance Three Credit Hours This course is designed to develop an understanding of measurement and evaluation concepts of health and human performance, with a special focus on the analysis and interpretation of data in different environments.
Prerequisites: MTH 132

PED 431 Met & Mat Teach Gr 7-12 Gr PE
3.00 credit hours
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.
Corequisites: EDU 312 (must be taken concurrently)

PED 432 Exercise Physiology
4.00 credit hours
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. BIO 143 or permission of the instructor.
Prerequisites: BIO 240 and PED 332 (can be taken concurrently)

PED 437 Athletic Injury Care and Prevention
3.00 credit hours
PED 437: Athletic Injury Care and Prevention Three credit hours This course provides an introduction to the care and prevention of athletic injuries. Topics covered include: pathology of injury, injury recognition and evaluation, care and treatment of injuries, protective equipment, environmental concerns, nutrition, psychological considerations, and administration as related to the practice of providing athletic care. A laboratory experience is included.
Prerequisites: BIO 143;
Prerequisite or Corequisite: BIO 240

PED 438 Program Design in Fitness & Wellnes
3.00 credit hours
PED 438 Program Design in Fitness & Wellness Three Credit Hours This course gives stsudents the basic skills necessary to develop and implement fitness and wellness programming for health clubs, implement fitness and wellness programming for health clubs, recreation facilities, YMCAs, and Boys and Girls Clubs. Emphasis is replaced on management, programming, and leadership procedures specifically for the fitness and wellness professional. Students receive detailed insight on how to design and monitor programs that are safe and effective for all individuals. Students demonstrate both a thorough understanding and pratical application of exercise theorgy, training effects, program design, and assessment procedures of fitness and wellness programming.
Prerequisites: PED 239

PED 490 Special Topics in PE/SPM
3.00 credit hours
PED 490 Special Topics in Physical Education and Sport Management One, Two or 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.

ESport and Gaming Management Minor

A minor in Esports and Gaming Management consists of 21 credit hours as outlined below. The three credit hour elective course must be approved in advance by the minor program advisor.

Minors must earn at least a grade of "C" in each course counted in the minor.

Code	Title	Hours
Esports and Gaming Management Requirements		
ESG 230	Introduction to Esports & Game Mgt	3
ESG 331	Esports Business and Trends [1]	3
ESG 332	Esports Events and Gaming Managemen [1]	3
ESG 430	Esports and Gaming Technology [1]	3
ESG 435	Esports and Gaming Internship [1]	3
MKT 331	Principles of Marketing [2]	3
Electives		3
Total Hours		**21**

[1] *Prerequisite:* ESG 230 Introduction to Esports & Game Mgt

[2] *Prerequisite:* MTH 132 Finite Math or higher (excluding MTH 133 Survey of Practical Applica of Math and MTH 136 Introductory Statistics)

Exercise and Sport Science Minor

An Exercise and Sport Science minor is required to take up to 25 credit hours of courses, of which BIO 143 Intro to Biology I may be used to satisfy General Education requirements. Other courses may be deemed appropriate with the approval of the student's advisor and Department Chair.

The Exercise and Sport Science minors must also complete the following coursework and earn at least a grade of C in each course.

Code	Title	Hours
Exercise and Sport Science Requirements		
BIO 143	Intro to Biology I	4
BIO 240	Human Anatomy and Physiology	4
PED 232	Psychomotor Development	3
PED 238	Introduction to Exercise Science	3
PED 332	Kinesiology	3
PED 341	Measurement & Evaluation in HP	3
PED 432	Exercise Physiology	4
Total Hours		**24**

Fitness and Wellness Management Minor

A Fitness and Wellness Management minor is required to take 21 credit hours of courses, of which PED 136 Physical Fitness and Wellness may be used to satisfy General Education requirements. Other courses may be deemed appropriate with the approval of the student's advisor and Department Chair.

Fitness and Wellness Management minors must also complete the following coursework and earn at least a grade of C in each course.

Fitness and Wellness Management Requirements

Code	Title	Hours
Fitness and Wellness Management Requirements		
PED 136	Physical Fitness and Wellness	3
HED 231	Health and Nutrition	3
PED 239	Exercise Prescription	3
SPM 333	Sport Facility & Event Mgt	3
SPM 337	Mgt of Phys Adm & Sports Programs	3
PED 341	Measurement & Evaluation in HP	3
PED 438	Program Design in Fitness & Wellnes	3
Total Hours		**21**

Health Communication Minor

The Health Communication minor will consist of 18 credits hours. Faculty from the Department of Health and Human Performance and the Department of Visual, Performing and Communication Arts will teach and advise students who minor in Health Communication.

Students who minor in Health Communication will need to earn a C or better in all of the required courses in the minor.

Code	Title	Hours
Health Communication Minor Core Requirements		
HED 230	Introduction to Health Education	3
HED 437	Applications in Health Communicatio	3
COM 432	Intercultural Communication	3
COM 439	Special Topic in Communication Arts	3
Health Communications Electives		
Select six hours from the following:		6
HED 233	Community Health	
HED 335	Minority Health Problems & Issues	
COM 252	Interpersonal Communication	
COM 438	Speaking in the Professions	
HED 438	Soc. & Behav Aspects of Global Hlth	
Total Hours		**18**

Physical Education Minor

A Physical Education minor is required to take 18 credit hours of courses, including 15 credit hours of Physical Education Requirements and at least 3 credit hours of Physical Education Electives. Other courses may be deemed appropriate with the approval of the student's advisor and Department Chair. If students place into courses lower than the starting courses indicated, they will have to take additional hours to meet these prerequisites. Course prerequisites are described in the course descriptions.

Physical Education minors must also complete the following coursework and earn at least a grade of C in each course.

Code	Title	Hours
Physical Education Requirements		
PED 335	Methods & Materials of Tech Pre-Sch	3
PED 431	Met & Mat Teach Gr 7-12 Gr PE	3
PED 336	Adapted Physical Education	3
PED 234	Sport Skills & Techniques	3
SPM 337	Mgt of Phys Adm & Sports Programs	3
Recommended Electives		
Select three hours from the following:		3
PED 332	Kinesiology [1]	
PED 432	Exercise Physiology [1]	
PED 230	Foundations of Physical Edu & Sport	
PED 224	Methods of Teaching Dance	
Total Hours		**18**

[1] BIO 143 Intro to Biology I is a *Prerequisite* for PED 432 Exercise Physiology & PED 332 Kinesiology

Public Health Major

A Public Health major is required to take 59 credit hours of courses, of which BIO 143 Intro to Biology I may be used to satisfy the General Education Requirement. Other courses may be deemed appropriate with the approval of the student's advisor and Department Chair.

Public Health majors must also complete the following coursework and earn at least a grade of C in each course.

Code	Title	Hours
Public Health Requirements		
BIO 143	Intro to Biology I	4
BIO 240	Human Anatomy and Physiology	4
HED 230	Introduction to Health Education	3
HED 231	Health and Nutrition	3
HED 232	Human Sexuality and Family Living	3
HED 233	Community Health	3
HED 234	Healthful Living	3
HED 235	Drugs and Drug Education	3
HED 334	Program Planning and Evaluation	3
HED 335	Minority Health Problems & Issues	3
HED 336	Death and Dying	3
HED 337	Environmental Health	3
HED 338	Junior Seminar Health Research I	3
HED 430	Senior Seminar: Health Research II	3
HED 433	Internship	3
HED 435	Epidemiology	3
HED 436	Health Administration	3
HED 437	Applications in Health Communicatio	3
HED 438	Soc. & Behav Aspects of Global Hlth	3
Total Hours		**59**

Public Health Minor

A Public Health minor is required to take 18 credit hours of courses, including 15 credit hours of Public Health Requirements and 3 credit hours of Public Health Electives. Other courses may be deemed appropriate with the approval of the student's advisor and Department Chair. **If students place into courses lower than the starting courses indicated, they will have to take additional hours to meet these *Prerequisites.* Course *Prerequisites* are described in the course descriptions.**

Community Heath minors must also complete the following coursework and earn at least a grade of C in each course.

Code	Title	Hours
Public Health Requirements		
HED 233	Community Health	3
HED 334	Program Planning and Evaluation	3
HED 337	Environmental Health	3
HED 435	Epidemiology	3
HED 436	Health Administration	3
Public Health Electives		
Select three hours from the following:		3
HED 231	Health and Nutrition	
HED 232	Human Sexuality and Family Living	
HED 234	Healthful Living	
HED 235	Drugs and Drug Education	
HED 335	Minority Health Problems & Issues	
HED 336	Death and Dying	

HED 438	Soc. & Behav Aspects of Global Hlth	
Total Hours		**18**

School Health Minor

A School Heath minor is required to take 18 credit hours of courses, including 15 credit hours of School Health Requirements and 3 credit hours of School Health Electives. Other courses may be deemed appropriate with the approval of the student's advisor and Department Chair. If students place into courses lower than the starting courses indicated, they will have to take additional hours to meet these prerequisites. Course prerequisites are described in the course descriptions.

School Heath minors must also complete the following coursework and earn at least a grade of C in each course.

Code	Title	Hours
School Health Requirements		
HED 230	Introduction to Health Education	3
HED 234	Healthful Living	3
HED 332	Health Ed & Phy Act in Elem Schools	3
HED 333	School Health Problems	3
HED 434	Methods and Materials in Teaching	3
Recommended Electives		
Select three hours from the following:		3
HED 235	Drugs and Drug Education	
HED 231	Health and Nutrition	
HED 232	Human Sexuality and Family Living	
HED 335	Minority Health Problems & Issues	
HED 336	Death and Dying	
HED 337	Environmental Health	
HED 438	Soc. & Behav Aspects of Global Hlth	
Total Hours		**18**

Sport Management Major

A Sport Management major is required to take up to 54 credit hours of courses. These courses consist of a Sport Management core of 12 credit hours; a General Management Core of 12 to 15 credit hours, depending on Math placement; and a Professional Sport Management core of 30 credit hours. Other courses may be deemed appropriate with the approval of the student's advisor and Department Chair. **If students place into courses lower than the starting courses indicated, they will have to take additional hours to meet these *prerequisites*. Course *Prerequisites* are described in the course descriptions.** A minimum of 122 is required for graduation. PED 230 Foundations of Physical Edu & Sport **can be substituted for** SPM 230 Introduction to Sport Management**.**

Sport Management majors must also complete the following coursework and earn at least a grade of C in each course.

Code	Title	Hours
The Sport Management Core		
SPM 230	Introduction to Sport Management	3
SPM 337	Mgt of Phys Adm & Sports Programs	3
SPM 338	Management Research Methods I	3
SPM 430	Sport Management Research MethodsII	3
The General Management Core		
ACC 235	Financial & Managerial Account I	3
MKT 331	Principles of Marketing	3
MKT 334	Principles of Retailing	3
MKT 335	Fundamentals of Selling	3
The Professional Sport Management Core		
SPM 233	Sport Practicum	3
SPM 331	Sport Marketing	3
SPM 333	Sport Facility & Event Mgt	3
SPM 334	Sport Finance and Economics	3
SPM 339	Sports Information	3
SPM 340	Leadership & Governance in Sports	3
SPM 433	Internship	3
SPM 434	Sport & Law	3
SPM 435	Sport Sociology and Ethics	3
SPM 436	Sports Psychology	3
Total Hours		**54**

Recommended Electives

Code	Title	Hours
MGT 333	Principles of Management	3
MGT 334	Human Resources Management	3
PED 235	SPORTS OFFICIATING	3
PED 236	Theory and Practice of Coaching	3

Sport Management Minor

A Sport Management minor is required to take 18 credit hours of courses. These courses consist of a Sport Management core of 15 credit hours, 3 credit hours of Sport Management electives. Other courses may be deemed appropriate with the approval of the student's advisor and Department Chair. **If students place into courses lower than the starting courses indicated, they will have to take additional hours to meet these *Prerequisites*. Course *Prerequisites* are described in the course descriptions.**

Sport Management minors must also complete the following coursework and earn at least a grade of C in each course.

Code	Title	Hours
Sport Management Core		
SPM 230	Introduction to Sport Management	3
SPM 233	Sport Practicum	3
SPM 331	Sport Marketing	3
SPM 433	Internship	3
SPM 434	Sport & Law	3
Sport Management Electives		
Select three hours from the following:		3
SPM 337	Mgt of Phys Adm & Sports Programs	
SPM 333	Sport Facility & Event Mgt	
SPM 334	Sport Finance and Economics	
SPM 339	Sports Information	
SPM 436	Sports Psychology	
Total Hours		**18**

Sports Coaching Minor

A Sports Coaching minor is required to take 19 credit hours of courses. Other courses may be deemed appropriate with the approval of the student's advisor and Department Chair.

Sports Coaching minors must also complete the following coursework and earn at least a grade of C in each course.

Code	Title	Hours
Sports Coaching Core		
PED 234	Sport Skills & Techniques	3
PED 236	Theory and Practice of Coaching	3
SPM 337	Mgt of Phys Adm & Sports Programs	3
PED 332	Kinesiology [1]	3
PED 237	Introduction to Athletic Training	3
SPM 436	Sports Psychology	3
SPM 434	Sport & Law	3
Total Hours		**21**

[1] BIO 143 Intro to Biology I is *Prerequisite* (Optional BIO 240 Human Anatomy and Physiology or BIO 245 Human Anatomy and Physiology II & BIO 249 Human Anatomy and Physiology I)

Sports Medicine Minor

A Sports Medicine minor is required to take 21 credit hours of courses, of which BIO 143 Intro to Biology I may be used to satisfy General Education requirements. As a part of these course requirements, students are required to complete 100 hours of clinical observation with a certified athletic trainer (50 hours in PED 237 Introduction to Athletic Training and 50 hours in PED 437 Athletic Injury Care and Prevention). Other courses may be deemed appropriate (such as PSY 131 General Psychology I) with the approval of the student's advisor and Department Chair. If students are placed into courses lower than the starting courses indicated, they will have to take additional hours to meet these prerequisites. Course prerequisites are described in the course descriptions.

Sports Medicine minors must also complete the following coursework and earn at least a grade of C in each course.

Code	Title	Hours
Sports Medicine Core		
PED 432	Exercise Physiology [1]	4
PED 237	Introduction to Athletic Training [2,3]	3
PED 437	Athletic Injury Care and Prevention [2,4]	3
PED 332	Kinesiology [1]	3
SPM 436	Sports Psychology [5]	3
BIO 240	Human Anatomy and Physiology [1]	4
Total Hours		**20**

[1] BIO 143 Intro to Biology I is a prerequisite or co-requisite for PED 237 Introduction to Athletic Training, and is a prerequisite for BIO 240 Human Anatomy and Physiology & PED 432 Exercise Physiology & PED 332 Kinesiology-(Optional- BIO 249 Human Anatomy and Physiology I & BIO 245 Human Anatomy and Physiology II accepted in lieu of BIO 240 Human Anatomy and Physiology)

[2] Minimum of 100 observational hours (50 per class) with certified athletic trainer in PED 237 Introduction to Athletic Training & PED 437 Athletic Injury Care and Prevention

[3] CPR/FirstAid certification required before completing PED 237 Introduction to Athletic Training

[4] BIO 240 Human Anatomy and Physiology is a co-requisite for PED 437 Athletic Injury Care and Prevention

[5] HED 231 Health and Nutrition is required for SPM majors since Sport Psychology is in the major curriculum

School of Social Work

The School of Social Work is an academic unit designed to focus on the undergraduate and graduate disciplines of the field of social work. The school not only is the hub for the study of the discipline, but serves as a research and training center for social work-related issues. It is responsible for the degree offered by the university in the area of social work and stands alone from a college.

Its mission is to administratively and organizationally oversee the BSW and MSW programs for continued excellence in their academic, research and outreach endeavors in and out of the JCSU community. The school is a catalyst for projecting the collective accrediting standards, including values and ethics of the profession, as approved by its nationally accrediting body, the Council on Social Work Education (CSWE).

Kai Burkins (2012)
MSW Field Director and Assistant Professor of Social Work
The School of Social Work
B.A., 1999, South Carolina State University, Orangeburg, SC
M.S.W., 2000, University of South Carolina, Columbia, SC

Helen T. Caldwell (1993)
Associate Dean, School of Social Work
Associate Professor of Social Work
The School of Social Work
B.A., 1973, Jackson State University
M.S.W., 1974, Rutgers University
Ph. D., 2006, Jackson State University

James T. Freeman (2013)
Associate Professor of Social Work
The School of Social Work
MSW, 1999, University of Pittsburgh
Ph.D., 2013, Morgan State University

Kareema Gray (2017)
Assistant Professor of Social Work
The School of Social Work
B.A., 1994, Lafayette College
M.S.W., 2003, University of Georgia
Ph.D., 2009, University of Georgia

Melvin Herring (2014)
Associate Professor of Social Work
The School of Social Work
B.S., 1994, North Carolina Agricultural and Technical State University
M.S.W., 2006, University of North Carolina-Charlotte
Ph.D., 2013 University of North Carolina at Greensboro

Tamara Keondra Hicks (2016)
Visiting Assistant Professor of Social Work
The School of Social Work

B.A., 1996, Spelman College
M.S.W., 2005, University of North Carolina at Chapel Hill
Ph.D., 2016, University of North Carolina at Chapel Hill

Dezette Johnson (2003)
Assistant Professor of Social Work
The School of Social Work
B.S.W., 1987, East Carolina University
M.S.W., 1990, Norfolk State University
Ph.D., 2006, Norfolk State University

David Luciano (2013)
Assistant Professor of Social Work
The School of Social Work
B.A. 1987, The City College of the City University of New York (CUNY)
J.D., 1990, The State University of New York (SUNY) Buffalo Law School
MSW, 2000, New York University
Ph.D., 2012, New York University

LaSonya Townsend (2014)
Assistant Professor of Social Work
The School of Social Work
B.S.W., 2003, North Carolina State University
M.S.W., 2005, University of North Carolina at Charlotte
D.S.W., 2013, Capella University

Lisa Workman Pullin (2011)
Chair, Department of Social Work
Associate Professor of Social Work
The School of Social Work
B.A., 1992, The University of Akron
M.S., 1997, Case Western Reserve University
Ph.D., 2006, Norfolk State University

Majors

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Masters

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Social Work

BSW Program

The mission of the Baccalaureate of Social Work program (BSW) within the School of Social Work at Johnson C. Smith University (JCSU) is to prepare social work graduates who engage in generalist level culturally competent practice with individuals and families, small groups, organizations, and communities.

The University's undergraduate Social Work Program has three goals:

- To prepare students for entry-level generalist social work practice at all system levels that affords them the opportunity to use knowledge, skills, values, and ethics
- To prepare students to advocate for policies to ensure social and economic justice and effective service delivery to all at risk and vulnerable populations, both locally and globally
- To prepare students for professional development through course assignments, guest lectures, attendance and participation at professional conferences and through engagement in research

Students must comply with all University requirements for graduation, including the General Education requirements, Senior Paper, and senior level proficiency exam. The student must earn at least a grade of **C** in the required courses for the Major and their *Prerequisites*.

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

Admission Policies and Procedures

Students wishing to become a Social Work major must apply to the program for admission. Admission to the School of Social Work undergraduate department will be held two times during the academic year—once during the fall semester and once during the spring semester.

A complete admissions packet must be submitted to the Chair of the Social Work Department at least one week prior to the scheduled interview. For students enrolled in the non-traditional (Metropolitan College of Professional Studies) program of study, a complete admissions packet must be submitted to the designated social work faculty in the Metropolitan College of Professional Studies, who will then forward their admissions' packet to the Chair of the Social Work Department.

Students will not be granted an admission's interview unless everything in the requirements section (#1 - 6) has been completed. No exceptions.

Students will not be granted credit for social work courses based on their life experience or previous work experience.

All potential Social Work majors must:

- Successfully complete SWK 239 Introduction to Social Work with a grade of "**C**" or better;
- Have a GPA of 2.5 or better;
- Submit a completed, formal application, provided by the department, following the semester of the completion of SWK 239 Introduction to Social Work;
- Submit three letters of recommendation or the recommendation checklist provided by the Department of Social Work. Two letters must be from faculty who are not JCSU Social Work faculty; the others can be from a mentor, volunteer/community service supervisor, or employer. The Department will provide the recommendation checklist form;
- Attach a current copy of your unofficial JCSU transcripts;
- Complete a scheduled interview with the Social Work faculty (Admissions Committee).

MSW Program

The mission of the Master of Social Work (MSW culturally competent practice with individuals and families, small groups, organizations and communities, generalist culturally competent practice with individuals and families, small groups, organizations and communities.

The MSW program at JCSU will prepare graduates who:

- Share a common foundation based on advanced generalist social work practice.

- Demonstrate leadership in culturally competent social work practice.
- Participate in student-faculty opportunities to produce culturally competent research.

Admission Policies and Procedures

Students applying to the MSW program at Johnson C. Smith University must have an undergraduate degree with a liberal arts foundation from a regionally accredited college or university or be in the final semester of completing their degree within the year of application to the MSW program.

Students applying for the MSW program at Johnson C. Smith University must provide:

- Official transcript(s) from all undergraduate colleges or universities attended to document that they have an undergraduate degree with a liberal arts foundation from a regionally accredited college or university or be in the final academic year of completing their degree so that they can begin the MSW program in the next academic year. (Applicants without this credential will not be considered for admission);
- a JCSU Graduate School application;
- a written MSW application, including a 3-5-page narrative that describes the strengths, challenges, career goals, experience related to social work, reasons for seeking an MSW, and understanding of cultural diversity and cultural competence;
- three letters of reference to include:
  a. references from undergraduate faculty and field director (for BSW grads) if the undergraduate degree has been completed within the past three years or
  b. references from an employer and other knowledgeable community persons who can speak to the individual's ability for social work with diverse populations if the undergraduate degree has been completed in four or more years.

Any applicant seeking admission to advanced standing must have completed a BSW within the last 5 years from a program accredited by the Council on Social Work Education or be in the process of completing their BSW degree within the academic year of their application to the MSW program. (Applicants without this credential will not be considered for admission to the advanced standing program.) Only BSW graduates with a cumulative GPA of at least 3.0 (on a 4.0 scale) are eligible for the advanced standing program.

Applicants for regular admission to the JCSU MSW program should have a minimum grade point average of B (3.0 on a 4.0 scale or the equivalent). All applicants, regardless of grade point average, will have admission packets considered in their entirety.

Students whose grade point average is below a B average:

- may be provisionally considered for the MSW two-year program based on the Admission Committee review of their entire application packet;
- will be required to interview with the MSW faculty to discuss the program and the applicant's specific interests and abilities within the field;
- should address academic issues in written application; and
- will be required to maintain a **B** average in their first year of the program and be granted full admission contingent upon their first-year academic performance.

Please note that other applicants may be required to have an interview to discuss their application at the discretion of the Admissions Committee.

The Admissions Committee will review, assess, and recommend students for admission based on identified criteria and using an internal formal rating scale for each identified criterion.

Applications will be divided among the MSW faculty for initial review. The faculty member assigned will review all application materials, including academic and non-academic information and references. He or she may contact applicants via telephone to initiate contact and discuss the applicant's interest in the program. The faculty member will invite applicants to attend the next scheduled open house.

The Admissions Committee will meet to review applications for admission. Upon recommendation by the Admissions Committee, students will be admitted to the two-year, part-time, or the advanced standing program. All applicants will be notified by mail of the results of their application.

Any student entering the MSW program may request the opportunity to test out of any of the first-year courses, including the summer advanced standing-specific bridge course. Upon request of the student, he or she will be given a comprehensive exam developed by the instructor of the course for which the request is made. Upon demonstrating appropriate mastery of the material, the student will be recognized as having satisfied that course requirement. The student will have an opportunity to take an additional elective to satisfy completion of the required credit hours for the program.

For transfer students, the criteria are stated below:

- Transfer credits will be considered only from a CSWE accredited MSW program.
- Transfer credits of up to 12 hours maximum from the first-year curriculum: HBSW, Policy, Research and electives in which a grade of B or better will be considered.
- Only courses taken within the past five years from the date of entry will be considered.

For any course for which transfer credits are being considered, the student must submit syllabi, written materials, copies of tests, and a letter from the Dean/Program Director indicating that the student left the program in good standing.

MSW degree-seeking students may not take courses elsewhere for transfer credit.

The faculty member with primary teaching responsibility in the curriculum area will review the course material for the course in which the transfer credits are being considered and recommend to the Admissions Committee whether the course is equivalent to that offered by JCSU.

The University offers both a two-year program and an advanced standing program for the MSW. The two-year program is for individuals who have completed an undergraduate degree from a regionally accredited college or university in a discipline other than social work and for those who have completed a BSW more than five years prior to their application to the MSW program. The advanced standing curriculum is for individuals who have completed a BSW within the five years prior to their application for the MSW program.

All applicants regardless of grade point average will have admission packets considered in their entirety. Applicants for regular admission to

the JCSU MSW program should have a minimum grade average of B (3.0 on a 4.0 scale or the equivalent). Applicants for the two-year program whose grade point average is below a B average:

- may be provisionally considered based on the Admission Committee review of their entire application packet;
- will be required to interview with the MSW faculty to discuss the program and the applicant's specific interests and abilities within the field;
- should address academic issues in a written application; and
- will be required to maintain a B average in their first year of the program and be granted full admission contingent upon their first-year academic performance.

Applicants for advanced standing whose grade point average is below a B average:

- may be provisionally considered based on the Admission Committee review of their entire application packet if their undergraduate grade point average was at least a C+ (2.5 on a 4.0 scale or the equivalent) overall and a B (3.0 on a 4.0 scale or the equivalent) in their social work courses;
- will be required to interview with the MSW faculty to discuss the program and the applicant's specific interests and abilities within the field;
- should address academic issues in written application; and
- will be required to maintain a B average in the advanced standing summer term of the program in order to be granted full admission contingent upon their first-year academic performance;
- May be recommended for faculty consideration of a transfer into the two-year program if their average is below a 3.0 at the end of the summer term.

*Note: Other applicants may be required to have an interview to discuss their application at the discretion of the Admissions Committee.

Policies Regarding Field, Academic Probation and Automatic Dismissal from the MSW Program

All students entering the JCSU MSW program are expected to actively engage in their academic classes and to put forth their best effort. In addition, students are required to maintain the following academic standards for successful completion of the JCSU MSW program:

1. All students enrolled in the JCSU MSW program must maintain a minimum cumulative grade point average of 3.0 to remain in good academic standing in the MSW program. A student whose grade point average falls below a 3.0 will be placed on probation and given one semester to bring his or her semester grade point average up to the required standard. A student who is a conditional admission must have a cumulative GPA of 3.0 at the end of his or her first year in order to continue to the second year.
2. A maximum of two C final course grades are allowed in the program. In the event that an MSW student earns a third C or lower final course grade in a graduate social work course, he or she will be terminated from the program.
3. A final grade lower than a C will not count as successful completion in any graduate social work course. Any student earning a failing grade will be placed on probation, and must retake the course in which a substandard grade was earned. However, repeating a required course will prevent students from progressing through the curriculum as scheduled. Successfully passing a course re-taken with a B or better will allow the student to progress through the MSW program. However, in the event that a student receives a grade lower than a C for a second time, they will be terminated from the program.
4. If a student earns a final course grade of C or below in a field education course (SWK 611 Field Prac. & Int Seminar I, SWK 612 Field Practice and Integ Sem II, SWK 711 Advan Field Prac. & Int. Sem III or SWK 712 Adv. Field Practice and Int. Sem IV), he or she will automatically be terminated from the program.
5. Unless a student withdraws from the program prior to the official University withdrawal date or receives an official medical withdrawal, the student must complete all courses to be considered for academic credit. If a student stops attending classes but does not officially withdraw, he or she will receive a final grade of FN for each course. A student who receives final grades of FN will not be able to be readmitted to the MSW program.

Students enrolled in the MSW Program at Johnson C. Smith University are expected to fully adhere to the National Association of Social Workers (NASW) Code of Ethics (http://www.socialworkers.org/pubs/code/code.asp) and are expected to abide by the relevant standards in the North Carolina Code of Laws. These procedures and guidelines should be upheld both in the classroom, the university context, the community, and assigned field placements. Upon admission into the JCSU MSW program, social work students are required to sign a statement agreeing to abide by all relevant regulations and the NASW Code of Ethics.

Termination from the Program

Students enrolled in the MSW Program at Johnson C. Smith University are subject to the regulations found in the *Johnson C. Smith Student Handbook* and the standards specified in the National Association of Social Workers (NASW) Code of Ethics. Social work students are required to sign a statement agreeing to abide by all relevant regulations and the NASW Code of Ethics.

A student may be terminated from the social work program if a documented violation of the above-referenced requirements has occurred. A violation may include, but is not limited to the following:

1. Academic dishonesty, including plagiarism and cheating;
2. Repeating a Field Course: A MSW student is **not** allowed to repeat any failed field course. No graduate student who sustains a single failing grade in the field practicum will be retained in the program.
3. Failure to maintain a 3.0 (B) average
4. Earning a third C or lower for a course grade;
5. If a student who is on probation repeats a course and receives a grade lower than a C for a second time, he or she will be terminated from the program. If that student receives a C in the repeated course and it is the student's third C in the program, he or she will be terminated from the program.
6. Commission of acts or behaviors which violate the ethics of the social work profession as defined in the professional Code of Ethics and State law governing social workers;
7. Conviction of an offense that involves moral turpitude, including child or adult abuse or neglect, or a felonious offense.

Documented problems in behavior or performance, which raise questions from the faculty or field instructor about the student's suitability for professional social work. Such problems could include, but are not limited to, the following behaviors:

- Inappropriate behaviors and/or communications with client(s);
- Forced or coerced sexual behavior with client(s);

- Sexual activity with client(s) including, but not limited to, kissing, fondling, or sexual intercourse;
- Physical aggression, such as hitting, spanking, or slapping, directed at client(s), student(s), faculty or staff member(s);
- Physical or emotional threats directed toward client(s), student(s), faculty or staff member(s);
- Acceptance of gifts or money (not considered standard payment for services) from client(s). Students shall not ask for, or accept, gifts from client(s);
- Illegal or unethical behavior that limits or takes away client(s)' rights or results in financial, material, or emotional loss for client(s) or gain for the social work student; and/or
- Sexual harassment of client(s).
- Lack of commitment to the values and ethics of the social work profession
- Exhibiting professional inappropriateness
- Substance misuse or abuse
- Confidentiality violations (social media etc.)
- Disrespect toward faculty, field instructors, clients, and professional staff and colleagues.
- Inability to establish and maintain positive and constructive interpersonal relationships with clients and field instructors
- Inability to perform professional duties due to personal problems
- Refusal to accept and follow through on field place assignments
- Inability to accept constructive feedback from field instructor and or Field Faculty
- Attendance problems or failure to communicate with field instructor about schedule difficulties
- Consistent lateness
- Inability to meet deadlines or complete work
- Inability to apply professional skills and knowledge gained through classroom learning to field experience
- Violating the NASW Code of Ethics or the JCSU Student handbook
- Failure to meet a field placement learning contract
- Students who must be reassigned to another agency due to issues related to student performance will be given only one other field placement opportunity.
- Student attempts to follow through with the field internship improvement plan but does not show progress or satisfactorily meet the conditions of the plan within the specified time frame or students that does not demonstrate the potential to successfully complete the terms of the plan. The student is terminated from the placement and will receive a failing grade and will not continue on in the program.
- If a student is absent one time without notifying the Field Instructor, the Field Instructor shall discuss the unacceptable behavior and create a written action plan. The action will state if the student is absent from placement without notice a second time, the student will be terminated from the placement.

When a student's performance does not meet expectations according to these policies, the Social Work MSW Program Director or a member of the graduate social work faculty may request a review by the entire graduate social work faculty of the identified policy violation. The student is notified by the MSW Program Director of the concerns and provided with an opportunity to present his or her understanding and explanation of the situation. Students who elect not to participate in the review may be subject to immediate dismissal from the program.

Students who participate in the review process may face alternative courses of action which may include, but are not limited to, developing an action plan to address the problem, being placed on probation, taking a temporary leave of absence, or being permanently dismissed from the JCSU MSW program. However, students who participate in the review process will not automatically have their academic violation decisions overturned. Rather, the presentation of the students' grievance will be considered on the grounds of the arguments presented, and the circumstances of their academic or nonacademic violation. If a decision is made to dismiss the student, he or she will be given a letter detailing the rationale behind the decision of dismissal.

Graduate social work students have the right to appeal decisions made through the review process. Students who wish to appeal a decision made during a graduate social work review may file a formal appeal with the Dean of The School of Social Work. If a student wants to file an appeal of a decision by the MSW faculty concerning a dismissal, the matter moves up the academic chain to the respective School Dean. A decision by the School Dean is final.

National Honor Society and President's List

MSW students who are able to maintain an overall GPA of 3.5 or higher for consecutive semesters are able to apply for The National Phi Alpha MSW Graduate Chapter Honor Society. Students are eligible to apply after their first year and are usually inducted in the spring semester.

MSW Students Eligible for President's List

The criteria for an MSW student to be selected for the President's List is as follows: Only MSW students who have maintained a cumulative 4.0 (A) average for their first 24 academic hours of coursework in their graduate social work program will be eligible for the President's List.

Gerontology Scholars

The Gerontology Scholars program offers specialized elective courses and field placements in social work with older adults. All JCSU MSW students are required to take three electives and complete 500 clock hours of field placement during their final year in the program. Specifically, the Gerontology Scholars will take three gerontology related electives and do their advanced year field placements in programs and agencies that focus on geriatric services or work with older adults who could benefit from a social worker who has knowledge and skills in gerontology. These scholars will also participate in an aging-related applied research project.

Major

No results were found.

Masters

No results were found.

Social Work

SWK 234 Introduction to Gerontology
3.00 credit hours
SWK 234 Introduction to Gerontology Three credit hours This course offers a survey of biological, psychological, and social perspectives and research relevant to the study of human aging. In addition, students are introduced to concepts and entry-level skills that are applicable for human services to the elderly. (Co-listed as SOC 234). (Offered Alternate Semesters)

SWK 239 Introduction to Social Work
3.00 credit hours
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 300 Introduction to Cultural Competence
3.00 credit hours
SWK 300 Intro to Cultural Competence Three Credit Hours The purpose of Introduction to Cultural Competence is to develop a foundation for becoming culturally competent social workers for generalist practice. Throughout this course, students wll engage in personal and professional reflections of biases that influce social work practice. This course will focus on issues of diversity, oppression and empowerment in a range of client systems within the context of race, culture, class, gender, sexual orientation, age and difference. Ths course also examines issues of bias and generalizations of diverse, cultural groups. Students will develop skills in understanding cultural difference and utilizing the ecological perspective in working with diverse client systems.

SWK 330 Institution of Social welfare
3.00 credit hours
SWK 330 Institution of Social Welfare Three Credit Hours A study 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 331 Child Welfare: Policies & Practices
3.00 credit hours
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
3.00 credit hours
SWK 332 Social Welfare Policy Three credit hours An assessment of history, current issues, programmatic changes and choices that effect social welfare services. (Spring Semester).
Prerequisites: SWK 239

SWK 333 Social Workers in Clinical Settings
3.00 credit hours
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 Env I
3.00 credit hours
SWK 334 Human Behavior and the Social Environment I Three Credit Hours A course that examines human behavior from a normal perspective. Special emphasis on individuals' bio- psychosocial needs and the behavioral consequences when these needs are not met. Open to prospective Social Work Majors Only.
Prerequisites: The successful passage of SWK 239 with a C or better, SOC 131 and PSY 131

SWK 335 Human Behavior and the Social Envir
3.00 credit hours
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. SPRING SEMESTER.
Prerequisites: SWK 334

SWK 338 Special Topics
3.00 credit hours
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 340 Values and Ethics
3.00 credit hours
SWK 340 Social Work Values and Ethics Three credit hours The primary objective of this course is to prepare students to have a competent and comprehensive understanding of the ethics and values that guide professional social work practice. This course focuses on the ethical issues and dilemmas that confront professional social workers in practice with individuals, families, groups, agencies, and communities.

SWK 431 Social Work Research Methods
3.00 credit hours
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.
Prerequisites: SWK 239, PSY 233 or MTH 136

SWK 432 Social Work With Groups
3.00 credit hours
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.
Prerequisites: SWK 239 (Offered Fall Semester)

SWK 433 Social Work Practice I
3.00 credit hours
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. Social Work Seniors only. Fall Semester
Prerequisites: SWK 330, 334, 335, SOC 432, BIO 240, MTH 136 or PSY 233

SWK 434 Social Work Practice II
3.00 credit hours
SWK 434 Social Work Practice II Three Credit Hours This course emphasize 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. Social Work Seniors Only. Fall Semester.
Prerequisites: SWK 330, 334, 335, SOC 432, BIO 240, MTh 136 or PSY 233

SWK 436 Senior Investigative Paper I
3.00 credit hours
SWK 436 SENIOR INVESTIGATIVE PAPER I THREE CREDIT HOURS A course designed for the preparation of the core of the senior investigative paper. Social Work Seniors Only.
Prerequisites: MTH 136 or PSY 233, SWK 431

SWK 437 Community Organization
3.00 credit hours
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

SWK 438 Senior Investigative Paper II
3.00 credit hours
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. Open to Social Work seniors only.
Prerequisites: All general education requirements including MTH 136 or PSY 233 and the successful passage of SWK 239, SWK 330, SWK 332, SWK 334, SWK 335, SWK 279-431, SWK 433, and SWK 436 with a C or better
Corequisites: SWK 451and SWK 492

SWK 450 Social Work Seminar I
3.00 credit hours
SWK 450 Social Work Seminar I Three Credit Hours A course requiring students, as a team, to analyze and interpret problems, data, and assigned materials connect with field experiences in light of established concepts and practice principles previously learned. This course is open to Social Work Seniors only.
Prerequisites: All general education requirements and the successful passage of SWK 239, SWK 3330, SWK 332, SWK334, SWK 431 and SWK 433 with a C or better
Corequisites: SWK 491 and SWK 436

SWK 451 Social Work Seminar II
3.00 credit hours
SWK 451 Social Work Seminar II Three Credit Hours A course requiring students, as a team, to analyze and interpret problems, data, and assigned materials connected with field experiences in light of established concepts and practice principles previously learned. This course is open to Social Work seniors only.
Prerequisites: All general education requirements and the successful passage of SWK 239, SWK 330, SWK 332, SWK 334, SWK 431, SWK 433, SWK 491, and SWK 436 with a C or better
Corequisites: SWK 492 and SWK 438

SWK 491 Field Experience I
6.00 credit hours
SWK 491 Field Experience I Six Credit Hours A field placement course designed to help students acquire first-hand knowledge of social work practices in community agencies through active professional work experiences for two days a week in a pre-selected agency setting. This course will be offered during the fall semester only. This course is open for Social Work seniors only.
Prerequisites: All general education requirements including MTH 136 or PSY 233, and the successful passage of SWK 239, SWK 330, SWK 332, SWK 334, SWK 335, SWK 431, and SWK 433 with a C or better
Corequisites: are SWK 450 and SWK 436

SWK 492 Field Experience II
6.00 credit hours
SWK 492 Field Experience II Six Credit Hours A field placement course designed to help students acquire first hand knowledge of social work practices in community agencies through active professional work experiences for two days a week in a pre-selected agency setting. This course will be offered during the fall semester only.
Prerequisites: All general education requirements including MTH 136 or PSY 233, and the successful passage of SWK 239, SWK 330, SWK 332, SWK 334, SWK 335, SWK 431, SWK 433, SWK 436, SWK 438, and SWK 450 with a "C" or better
Corequisites: are SWK 451 and SWK 438, This course is open for Social Work seniors only

SWK 495 Seminar and Field Experience I
9.00 credit hours
SWK 495 Social Work Seminar and Field Experience I Nine Hours A course requiring students, as a team, to analyze and interpret problems, data, and assigned materials connected with field experiences in light of established concepts and practice principles previously learned. A field placement course designed to help students acquire first-hand knowledge of social work practices in community agencies through active professional work experiences for two days a week in a preselected agency setting. This course is offered during the fall only. This course is open to Social Work Seniors only.
Prerequisites: All general education requirements including MTH 136 or PSY 233 and successful completion of SWK 239, SWK 431, and SWK 433 with a "C" or higher
Corequisites: are SWK 436 and SWK 434

SWK 496 Field Experience & Sem II
9.00 credit hours
SWK 496 Field Seminar and Field Experience II 9 Credits A course requiring students, as a team, to analyze and interpret problems, data, and assigned materials connected with field experiences in light of established concepts and practice principles previously learned. A field placement course designed to help students acquire first-hand knowledge of social work practices in community agencies through active professional work experiences for three to four days a week in a pre-selected agency setting (15-18 hours weekly). This course will be offered during the spring semester only. This course is open to Social Work seniors only.
Prerequisites: All general education requirements including MTH 136 or PSY 233, and the successful completion of SWK 239, SWK 300, SWK 330, SWK 332, SWK 334, SWK 335, SWK 340, SWK 431, SWK 433, SWK 495 with a “C” or higher
Corequisites: are SWK 437

SWK 602 Introduction to Cultural Competence
3.00 credit hours
Graduate School Course: SWK 602 Introduction to Cultural Competence This course will introduce students to social work advocacy strategies for deconstructing institutionalized systems of oppression. Specifically, this course will acquaint students with the social worker’s role in addressing issues of power, privilege, and oppression. From a social justice perspective, students will examine how society creates and sustains opportunities or barriers for culturally diverse populations based on social constructions of race, ethnicity, gender, sexual orientation and age.

SWK 603 Social Problems and Policy
3.00 credit hours
Graduate School Course: SWK 603 This course is designed to provide an introduction to social welfare policy and services i the United States, along with the links between social problems, social policy, and social services. The focus will be on the content and process components of social welfare policy development in legislative, administrative, and interagency areas at the federal, state and local levels. Historic and contemporary responses to social welfare needs in the United States will be included. The global interconnections between the U. S. and the First World countries, Second World Countries and Third Worlds countries in addressing international social problems will be examined.

SWK 604 Human Behavior & the Social Env. I
3.00 credit hours
Graduate School Course: SWK 604 The Human Behavior and the Social Environment I (HSBE I) course is the first in a sequence of two Human Behavior and the Social Environment courses that examine human behavior and the social environment across the lifespan from conception through death and dying. This course focuses on human behavior and the social environment from conception through adolescence, and is designed to examine human behavior from a normal perspective, while gaining an understanding of the environmental factors that both create and influence diversity in human development. This course also emphasizes the biological, psychological, and social needs of human beings and the behavioral consequences that occur when these needs are not met.

SWK 605 Human Behavior & the Social Env. II
3.00 credit hours
Graduate School Course: SWK 605 The Human Behavior and the Social Environment I (HSBE II) course focuses on human behavior from a normal perspective, while gaining an understanding of the environmental factors that both create and influence diversity in human development. This course also emphasizes the biological, psychological, and social needs of human beings and the behavioral consequences that occur when these needs are not met.

SWK 606 Research Methods
3.00 credit hours
Graduate School Course: SWK 606: Research Methods This course is designed to examine the techniques involved in conducting scientific research in social work practice. The measurement of variables, testing of hypotheses and interpretation of findings, will also be applied through theoretical frameworks. Efforts will be made to acquaint students with quantitative data and fundamental concepts of social work research designs. The rationale for the use of certain basic concepts, their applications and the presentation of results through statistical analysis and the effects of relevant variables on research results will be studied. Emphasis will be made to understand “the scientific method” as a canon for guiding the logic of research in social work. Students will acquire knowledge about survey research, sampling, questionnaire construction, and hands on experience in research methodologies through measurement of sociological constructs. Students will become familiar with experimental research designs, field observation, and the statistical analysis of correlational data.

SWK 607 Social Work Data Analysis
3.00 credit hours
Graduate School Course: SWK 607: Social Work Data Analysis This course provides an introduction to the basic methods of statistical analysis that are used in quantitative social work research. The course will focus on the conceptual understanding of univariate, bivariate, and multivariate statistics. Frequency distributions, measures of central tendency, and correlational methods will be assessed as it relates to the formulations of theories that are relevant to social work and evidence based practice. In addition, students will develop the necessary skills that are needed to analyze quantitative data. Skills will be applied using the IBM/ PASW/SPSS Statistical Software Package for the Social Sciences. An emphasis will be made in conducting research that has an empowerment perspective based on culturally competent practice.

SWK 608 Generalist Practice- Indiv, Fam, Gr
3.00 credit hours
Graduate School Course: SWK 608: Generalist Practice with Individuals, Families, and Groups The purpose of this course is to prepare students with foundation knowledge and skills needed for interventions with individuals, families, and small groups. Discussion and practice opportunities will focus on student development of foundation helping skills in generalist practice, including communication, observation, empathy, and assessment.

SWK 609 Generalist Practice with Org & Com.
3.00 credit hours
Graduate School Course: SWK 609 Generalist Practice with Organizations and Communities This course will help students develop foundation knowledge and skills for social work practice with communities and organizations. Content will be included on the contexts in which macro practice occurs, approaches to understanding community and organization systems and interventions helpful in affecting change, solving problems, and improving social functioning within macro level systems.

SWK 610 Bridge Course
3.00 credit hours
Graduate School Course: SWK 610 Bridge Course The purpose of this course is to share with advanced standing students a common platform for foundation knowledge and skills needed for interventions with individuals, families, small groups, organizations, and communities. (advanced standing students only)

SWK 611 Field Prac. & Int Seminar I
3.00 credit hours
Graduate School Course: SWK 611 Field Practice and Integrative Seminar I This course is requires supervision on an agency-based social work field instructor. Students complete a total of 200 hours during the first practicum. On-campus seminars (I and II) taken concurrently with the practicum assist the student in the integration and application of practice theory to their placement learning activities. The Seminar is organized as two part field foundation course for two semesters.

SWK 612 Field Practice and Integ Sem II
3.00 credit hours
Graduate School Course: SWK 612 Field Practice and Integrative Seminar II The field practicum is an educationally directed on-site experience under the supervision on an agency-based social work field instructor. Students complete a total of 200 hours during the second practicum. On-campus seminars (I and II) taken concurrently with the practicum assist the student in the integration and application of practice theory to their placement learning activities. The Seminar is organized as two part field foundation course for two semesters.

SWK 701 Urban Black Families
3.00 credit hours
SWK 701 Urban Black Families Three Credit Hours This advanced practice course will expand the development and application of empowerment and strengths-based interventions for the purpose of creating alternative “Cultural Paradigm” /African centered healing models for clinical practice with African/Black American families. The course will combine a historical overview of African/Black American families with an emphasis on the obstacles they encountered that posed threats to healthy development and family functioning. Shifting the analysis of this oppressed group from an examination based on race to that of culture. Special attention is devoted to unraveling the effects of African cultural legacies, slavery, and institutional racism on urban Black family life. The Black helping tradition and presence of African cultural values in current urban Black life will be explored. Emphasis will be placed on approaches to practice for the liberation of other oppressed and culturally diverse groups and their communities.

SWK 702 Social Work with Immigrants
3.00 credit hours
SWK 702 Social Work with Immigrants Three Credit Hours This course will focus on past, present and future immigration policy in the U.S. In addition, such factors as Race, Culture, Acculturation Level, Language use, and Racism will be explored. Such issues as an immigrant’s loss of cultural identity and language will also be discussed. The migration process for most immigrants is always a difficult process. Immigrants who arrive to the U. S. in search of better educational/job opportunities often have to leave loved ones, behind and often lose social support networks that are vital for survival. How does the host culture treat the new native culture in relation to sharing the American dream? Such topics as The Dream Act, Deportations, Acculturation Stressors and Cultural Humility Models/Assessment will be discussed. How can we as social workers help to promote an Immigration Policy that is both fair and inclusive of all groups?

SWK 703 Critical Theory for Social Work
3.00 credit hours
Critical Theory for Social Work Practice and Research is an elective course designed to provide students with a foundation of various theoretical frameworks and perspectives for engaging in culturally competent social work practice and theoretically grounded applied research. This course will provide students with a basic understanding of theoretical tenants and principles that are both central to and emerging within the field of social work. This course will prepare students to engage in micro and macro social work practice and applied research with individuals, families, and institutions. In addition, this course will develop students’ ability to critically evaluate theories for their cultural relevance.

SWK 704 Caregiving throughout the Life Crse
3.00 credit hours
SWK 704 Caregiving Throughout the Life Course Three Credit Hours The purpose of this elective is to prepare students to assess, plan, and intervene related to care giving with various populations across the life course, using a care sharing model and incorporating multicultural perspectives and culturally competent practices and strategies.

SWK 705 Basic Spanish for Cultural Com SWK
3.00 credit hours
SWK 705 Basic Spanish for Culturally Competent Social Work Practice Three Credit Hours The course will prepare English speaking students to communicate cross-culturally with Latinos and Spanish speaking clients, immigrants and refugees. MSW social work students will learn basic Spanish skills from a Micro, Mezzo and Macro level of practice. Students will learn how speaking a client's native language will help in establishing a therapeutic relationship and promote the client's feeling of self-worth and validation. Students will learn as advanced generalist practice social workers the necessary tools for engaging clients in a second language in order to advance the mission of culturally competent social work practice.

SWK 706 Applied Research I
3.00 credit hours
Graduate School Course: SWK 706 Applied Research I In this first of a two course sequence, students working in small groups will apply the research skills developed in swk 606 to a project they develop along with their professor. Students will develop a research design/study that will be implemented in Applied Research II. etent helping skills in advanced generalist practice.

SWK 707 Applied Research II
3.00 credit hours
Graduate School Course: SWK 707 Applied Research II This second of the two course sequence will provide students with the opportunity to complete a research project/ study based on the research design developed in Applied Research I.

SWK 708 Advance Practice I
3.00 credit hours
Graduate School Course: SWK 708 Advanced Practice I This purpose of this course is to prepare students with advanced knowledge and skills needed for interventions with culturally diverse individuals and families. Discussion and practice opportunities will focus on student development of culturally competent helping skills in advanced generalist practice.

SWK 709 Advanced Pract II
3.00 credit hours
Graduate School Course: SWK 709 Advanced Research II The Advanced Practice II: Social Work with Groups course is designed to teach students how to engage in advanced culturally competent direct practice group work. This course will focus on group ethics, theory, techniques, and processes utilizing culturally competent evidenced-based intervention strategies for group work with children, youth, adults, and families. It will provide culturally competent strategies and practical application of group work for advanced generalist social work practice I.

SWK 710 Advanced Practice III
3.00 credit hours
Graduate School Course: SWK 710 Advanced Practice III The purpose of this course is to prepare students with advanced knowledge and skills needed for interventions with organizations and communities on behalf of culturally diverse individuals, families, and groups. Discussion and practice opportunities will focus on student development of culturally competent helping skills in advanced generalist practice.

SWK 711 Advan Field Prac. & Int. Sem III
3.00 credit hours
Graduate School Course: SWK 711 Advanced Field and Integrative Seminar III This advanced generalist practicum course provides a supervised practicum at an assigned practicum site and a weekly integrative seminar, with an emphasis on advanced culturally competent practice with individuals, families and groups. In the advanced generalist practicum, the student is expected to build upon the practice behaviors from their Foundation year and demonstrate all of the practice behaviors identified for the advanced year. Social Work students complete 250 clock hours within the semester to increase their ability to demonstrate advanced competencies in social work practice. A three-hour class seminar taken concurrently with the student's field placement, builds on the student's advanced social work practice behaviors. Additionally, the student begins to assume greater autonomy, learns to apply the knowledge and skills of practice to more complex situations, and begins to demonstrate leadership as they develop into a professional social worker. Students are required to abide by the NASW Code of Ethics while enrolled in the program. This course is followed by SW 712, Advanced Integrative Seminar IV, within the same agency setting.

SWK 712 Adv. Field Practice and Int. Sem IV
3.00 credit hours
Graduate School Course: SWK 712 Advanced Field Practice and Integrative Seminar IV This course is the second in the sequence of two constituting the social work field education program required of all advanced year students. This advanced generalist practicum course provides a supervised practicum at an assigned practicum site and a weekly integrative seminar, with an emphasis on advanced culturally competent practice with organizations and communities. In the advanced generalist practicum, the student is expected to build upon the practice behaviors from their Foundation year and demonstrate all of the practice behaviors identified for the advanced year. Social Work students complete 250 clock hours within the semester to increase their ability to demonstrate advanced competencies in social work practice. A three-hour class seminar taken concurrently with the student's field placement, builds on the student's advanced social work practice behaviors. Additionally, the student begins to assume greater autonomy, learns to apply the knowledge and skills of practice to more complex situations, and begins to demonstrate leadership as they develop into a professional social worker. Students are required to abide by the NASW Code of Ethics while enrolled in the program.

SWK 713 Psychopathology and Clinical Interv
3.00 credit hours
SWK 713 Psychopathology & Clinical Intervention Three Credit Hours This course is designed to provide an introduction to psychopathology and clinical services in social work. The focus will be on the content and components of the clinical process. Historic and contemporary clinical assessments, interventions, and treatments will be included. Students will learn the social worker's role in assessing, developing, and treating client systems as a clinically trained advanced generalist.

SWK 714 Macro Practice with Older Adults
3.00 credit hours
SWK 714 Macro Practice with Older Adults Three Credit Hours This course provides an overview of macro social work practice in the field of aging. It presents knowledge to assess and intervene with individuals, families, groups, organizations, and communities. Ethical and diversity issues are used to engange in cross-cultural practice at the macro level.

SWK 715 Direct Practice with Older Adults
3.00 credit hours
SWK 715 Direct Practice with Older Adults Three Credit Hours This course offers an intergenerational model of social work practice designed for working with older adults and their families, and the challenges they face. Assessment and intervention strategies are presented (Elective).

SWK 716 Loss and Grief: Individual, Family,
3.00 credit hours
SWK 716 Loss and Grief: Individual, Family, and Cultural Perspective Three Credit Hours This course provides an opportunity for students to explore and understand perceptions and beliefs about death and dying, including how cultural differences influence those experiences. Some of the issues covered include end of life care, loss and bereavement. (Elective)

SWK 799 Emerging Topics
3.00 credit hours
SWK 799 Emerging Topics Course Series (3 Credit Hours) These courses are designed to provide graduate students with learning opportunities and course content that focuses on emerging issues not currently designated as seperate courses.

Advanced Standing Social Work Program

A student completing the Advanced Standing Master in Social Work take 39 credit hours of courses. These courses consist of 30 credit hours of Social Work Requirements; 9 credit hours of Social Work Electives.

Code	Title	Hours
Social Work Requirements		
SWK 602	Introduction to Cultural Competence	3
SWK 607	Social Work Data Analysis	3
SWK 610	Bridge Course	3
SWK 706	Applied Research I	3
SWK 707	Applied Research II	3
SWK 708	Advance Practice I	3
SWK 709	Advanced Pract II	3
SWK 710	Advanced Practice III	3
SWK 711	Advan Field Prac. & Int. Sem III	3
SWK 712	Adv. Field Practice and Int. Sem IV	3
Social Work Electives		9
Total Hours		**39**

MSW Part-Time Program

The MSW part time program provides an alternative for students who prefer a slower paced option and those whose work, family, and life responsibilities cannot be adapted to attend a full 15 academic hours a semester along with a total of 900 clock hours of field internship. The part time program offers students the same 60-hour curriculum over 39 months leading to the MSW degree. Courses are scheduled on Friday evenings (6-9pm) and Saturdays (9am-12pm **and/or** 1-4pm). All courses will run the entire semester in fall and spring with field placements and **one additional courses scheduled** for summer.

Part Time Program MSW Program Breakdown Requirements (39 months)

Course	Title	Hours
First Semester		
Summer		
SWK 608	Generalist Practice- Indiv, Fam, Gr	3
SWK 611	Field Prac. & Int Seminar I	3
	Hours	**6**
Second Semester		
Fall		
SWK 602	Introduction to Cultural Competence	3
SWK 604	Human Behavior & the Social Env. I	3
	Hours	**6**
Third Semester		
Spring		
SWK 605	Human Behavior & the Social Env. II	3
SWK 603	Social Problems and Policy	3
SWK 606	Research Methods	3
	Hours	**9**
Fourth Semester		
Summer		
SWK 609	Generalist Practice with Org & Com.	3
SWK 612	Field Practice and Integ Sem II	3
	Hours	**6**
Fifth Semester		
Fall		
SWK 603	Social Problems and Policy	3
SWK 607	Social Work Data Analysis	3
	Hours	**6**
Sixth Semester		
Spring		
SWK 708	Advance Practice I	3
SWK 709	Advanced Pract II	3
	Hours	**6**
Seventh Semester		
Summer		
SWK 711	Advan Field Prac. & Int. Sem III	3
Elective		3
	Hours	**6**
Eigth Semester		
Fall		
SWK 706	Applied Research I	3
Elective		3
	Hours	**6**
Ninth Semester		
Spring		
SWK 707	Applied Research II	3
SWK 710	Advanced Practice III	3
	Hours	**6**
Tenth Semester		
Summer		
SWK 712	Adv. Field Practice and Int. Sem IV	3
Elective		3
	Hours	**6**
	Total Hours	**63**

Social Work Major

A Social Work major is required to take 122 credit hours of courses. These courses consist of 48 credit hours of Social Work Requirements; 15 credit hours of Social Work Electives; eight credit hours of Biology. Course *Prerequisites* are described in the course descriptions.

Termination from the Bachelor of Social Work (BSW) Program

School of Social Work at Johnson C. Smith University

Student Academic and Professional Requirements and Expectations

All students entering the JCSU BSW program are expected to actively engage in their academic classes and to put forth their best effort. In addition, students are required to maintain the following academic standards for successful completion of the JCSU MSW program:

1. All students enrolled in the JCSU BSW program must maintain a minimum cumulative grade point average of 2.5 to remain in good academic standing in the BSW program. A student whose grade point average falls below a 2.5 will be placed on probation and given one semester to bring his or her semester grade point average up to the required standard.
2. A final grade lower than a C will not count as successful completion in any undergraduate social work course. Any student earning a failing grade will be placed on probation and must retake the course in which a substandard grade was earned. However, a student who receives a grade lower than a C for a second time will be terminated from the program.

Students enrolled in the BSW program at JCSU are expected to fully adhere to the National Association of Social Workers (NASW) Code of Ethics; http://www.socialworkers.org/pubs/code/code.asp and are expected to abide by the relevant standards in the North Carolina Code of Laws. These procedures and guidelines should be upheld in the classroom, in a university context, and in assigned field placements.

Upon admission into the JCSU BSW program, social work students are required to sign a statement agreeing to abide by all relevant regulations and the NASW Code of Ethics.

A student may be terminated from the social work program if a documented violation of the above stated academic and professional requirements and expectations have occurred. A student may be placed on probation or suspended temporarily from a field internship placement, pending the outcome of any identified violations. A violation may include, but is not limited to the following:

1. Academic dishonesty, including plagiarism and cheating.
2. Failure to maintain a 2.5 (C) average.
3. Any student majoring in social work will be automatically dismissed from the major if they fail one of the core or elective social work courses in the social work department two or more times and/or if they fail a total of two core or elective social work courses in the

social work department, regardless of their academic classification. This policy is additionally true for any student who is a pre-social work major.

4. Failing to complete required 440 field placement hours.
5. Receiving a D or below in field placement or field seminar.
6. Withdrawing from the university after the withdrawal deadline and receiving FNs in semester courses.
7. Commission of acts or behaviors that violate the ethics of the social work profession as defined in the professional code of ethics and state law governing social workers.
8. Conviction of an offense that involves moral turpitude, including child or adult abuse or neglect, or a felonious offense.
9. Documented problems in behavior or performance, which raise questions from the faculty or field instructor about the student's suitability for professional social work.
10. Such problems could include, but are not limited to, the following behaviors:
    a. Inappropriate behaviors and/or communications with client(s)
    b. Forced or coerced sexual behavior with client(s).
    c. Sexual activity with client(s) including, but not limited to, kissing, fondling, or sexual intercourse.
    d. Physical aggression, such as hitting, spanking, or slapping, directed at client(s), student(s), faculty, or staff member(s).
    e. Physical or emotional threats directed toward client(s), student(s), faculty, or staff member(s).
    f. Acceptance of gifts or money (not considered standard payment for services) from client(s).
    g. Asking for, or accepting, gifts from client(s).
    h. Illegal or unethical behavior that limits or takes away client's rights or results in financial, material, or emotional loss for client's or gain for the social work student.
    i. Sexual harassment of client(s).

When a student's performance does not meet expectations according to these policies, the BSW program director or a member of the undergraduate social work faculty may request a review by the entire undergraduate social work faculty of the identified policy violation. The student is notified in writing by the BSW program director of the concerns and provided with an opportunity to present his or her understanding and explanation of the situation. Students who elect not to participate in the review will be subject to dismissal from the program. Students who participate in the review process may face alternative courses of action that may include, but are not limited to, developing an action plan to address the problem, being placed on probation, taking a temporary leave of absence, or being dismissed from the JCSU BSW program.

However, students who participate in the review process will not automatically have their academic violation decisions overturned. Rather, presentation of the student's grievance will be considered on the grounds of the arguments presented, and the circumstances of his or her academic violation. If a decision is made to dismiss the student, he or she will be given a letter detailing the rationale behind the decision of dismissal.

Undergraduate social work students have the right to appeal decisions made through the review process. Students who wish to appeal a decision made during a graduate social work review may file a formal appeal with the School of Social Work dean. If a student wants to file an appeal of a decision by the BSW faculty concerning a dismissal, the matter moves up the academic chain to the dean, and the president of the university. A decision by the Office of the President is final. (See copy of **Student Action Log for Undergraduate Academic and Nonacademic Grievances and Appeals** in the University Student handbook.)

Social Work majors must also complete the following coursework and earn at least a grade of **C** in each major course and their prerequisites.

Code	Title	Hours
Social Work Requirements		
SWK 239	Introduction to Social Work	3
SWK 300	Introduction to Cultural Competence	3
SWK 330	Institution of Social welfare	3
SWK 332	Social Welfare Policy	3
SWK 334	Human Behavior and the Social Env I	3
SWK 335	Human Behavior and the Social Envir	3
SWK 340	Values and Ethics	3
SWK 431	Social Work Research Methods	3
SWK 433	Social Work Practice I	3
SWK 434	Social Work Practice II	3
SWK 436	Senior Investigative Paper I	3
SWK 438	Senior Investigative Paper II	3
SWK 495	Seminar and Field Experience I [1]	9
Field Seminar and Field Experience II		9
Social Work Electives		
Select 15 hours from the following:		15
SWK 234	Introduction to Gerontology	
SWK 331	Child Welfare: Policies & Practices	
SWK 333	Social Workers in Clinical Settings	
SWK 338	Special Topics	
SWK 432	Social Work With Groups	
SWK 437	Community Organization	
Biology Requirement		
BIO 143	Intro to Biology I	4
BIO 240	Human Anatomy and Physiology	4
Social Science Requirement		
SOC 131	Principles of Sociology	3
PSY 131	General Psychology I	3
Mathematics Requirement		
PSY 233	Descriptive & Predictive Statistics	3
or MTH 136	Introductory Statistics	
Economics Requirement		
ECO 231	Principles of Macroeconomics	3
Total Hours		**89**

[1] Prerequisite for SWK 450 Social Work Seminar I: Successfully completed and passed all required general education and all Social Work core and elective classes. A cumulative 2.5 grade point average. Must be enrolled in SWK 491 Field Experience I. Traditional students will take SWK 434 Social Work Practice II and SWK 436 Senior Investigative Paper I concurrently
Prerequisite for SWK 451 Social Work Seminar II: Successfully completed and passed all required general education and Social Work core and elective classes. A cumulative 2.5 grade point average. Must be enrolled in SWK 492 Field Experience II. Traditional students will

take SWK 438 Senior Investigative Paper II and a social work elective concurrently.

Two-Year Master in Social Work Program

A student completing the two-year Masters in Social Work take 60 credit hours of courses. These courses consist of 51 credit hours of Social Work Requirements; 9 credit hours of Social Work Electives.

Code	Title	Hours
Social Work Requirements		
SWK 602	Introduction to Cultural Competence	3
SWK 603	Social Problems and Policy	3
SWK 604	Human Behavior & the Social Env. I	3
SWK 605	Human Behavior & the Social Env. II	3
SWK 606	Research Methods	3
SWK 607	Social Work Data Analysis	3
SWK 608	Generalist Practice- Indiv, Fam, Gr	3
SWK 609	Generalist Practice with Org & Com.	3
SWK 611	Field Prac. & Int Seminar I	3
SWK 612	Field Practice and Integ Sem II	3
SWK 706	Applied Research I	3
SWK 707	Applied Research II	3
SWK 708	Advance Practice I	3
SWK 709	Advanced Pract II	3
SWK 710	Advanced Practice III	3
SWK 711	Advan Field Prac. & Int. Sem III	3
SWK 712	Adv. Field Practice and Int. Sem IV	3
Social Work Electives		
Select nine credit hours from the following:		9
SWK 701	Urban Black Families	
SWK 702	Social Work with Immigrants	
SWK 703	Critical Theory for Social Work	
SWK 704	Caregiving throughout the Life Crse	
SWK 705	Basic Spanish for Cultural Com SWK	
SWK 713	Psychopathology and Clinical Interv	
SWK 799	Emerging Topics	
Total Hours		**60**

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Accounting (ACC)

ACC 230 Accounting for Non-Business Majors
3.00 credit hours
ACC 230- Accounting for Non-Business Majors Three credit hours This course introduces Accounting as a language of business for non-business majors. Communication of financial information through financial statements and their major components will be the focus of this course. Students will be exposed to a basic analysis of financial information.
Prerequisites: MTH 131 or higher

ACC 235 Financial & Managerial Account I
3.00 credit hours
ACC 235 Financial and Managerial Accounting I Three Credit Hours This course in Financial and Managerial Accounting 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) and International Financial Reporting Standards (IFRS).
Prerequisites: Math 132 or higher

ACC 236 Financial and Managerial Account II
3.00 credit hours
ACC 236 Financial and Managerial Accounting II Three Credit Hours This second course in Financial and Managerial Accounting will complete the financial information for-profit organizations and introduce fundamental concepts associated with accounting information that is useful to managers and other individuals working inside the business. Emphasis is placed on providing information to managers in their planning, controlling and decision-making functions.
Prerequisites: ACC 235

ACC 334 Not-For-Profit Accounting
3.00 credit hours
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 Acct I
3.00 credit hours
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.
Prerequisites: ACC 235, MTH 132 or MTH 137

ACC 336 Intermediate Financial Acct II
3.00 credit hours
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.
Prerequisites: ACC 335

ACC 339 Cost Accounting
3.00 credit hours
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.
Prerequisites: ACC 236

ACC 431 Accounting Information Systems
3.00 credit hours
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
3.00 credit hours
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.

ACC 436 CPA Review
3.00 credit hours
ACC 436 CPA Review Three credit hours Problems of accounting peculiar to examination leading to CPA Certificate.

ACC 437 Federal Income Tax Analysis I
3.00 credit hours
ACC 437 Federal Income Tax Analysis I Three credit hours An analysis of Federal Income Taxation and its application to individual and organizations
Prerequisites: ACC 336

ACC 438 Federal Income Tax Analysis II
3.00 credit hours
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.
Prerequisites: ACC 437

ACC 439 Auditing
3.00 credit hours
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.
Prerequisites: ACC 336

African American Studies (AAS)

AAS 231 Intro to Africana Studies
3.00 credit hours
AAS 231 Introduction to Africana 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 Special Topics in Africana Studies
3.00 credit hours
AAS 495 Topics in Africana Studies Three credit hours Advanced study of special topics in Africana Studies, usually on an interdisciplinary basis.

Arabic (ARA)

ARA 131 Elementary Arabic I
3.00 credit hours
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
3.00 credit hours
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.
Prerequisites: ARA 131 or placement by examination

ARA 196 Introductory Topic in Arabic
3.00 credit hours
ARA 196 Introductory Topics in Arabic Three credit hours This course provides a freshman-level introduction to a particular topic in Arabic language or literature. The course may be repeated for credit in cases where students take courses in different topics. This course may, at times, be cross-listed with ENG 196.
Prerequisites: A grade of C or better in ENG 131 or ARA 131 or equivalent placement

ARA 231 Intermediate Arabic I
3.00 credit hours
ARA 231 Intermediate Arabic I Three credit hours Emphasis on communicative and writing skills. Short basic readings, conversation, grammar and aspects of culture.
Prerequisites: ARA 132

ARA 232 Intermediate Arabic II
3.00 credit hours
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.
Prerequisites: ARA 231

ARA 296 Topics in Arabic
3.00 credit hours
ARA 296 Topics in Arabic Three credit hours This course provides a sophomore-level examination of a particular topic in Arabic language or literature. The course may be repeated for credit in cases where students take courses in different topics. The four-credit version includes a lab that that examines the topic through Arabic-language texts. This course may, at times, be cross-listed with ENG 296. In addition to these requirements, permission of the instructor may be required for the four-credit version of the course.
Prerequisites: A grade of C or better in ENG 131 or ARA 131 or equivalent placement

ARA 331 Advanced Arabic I
3.00 credit hours
ARA 331 Advanced Arabic I Three credit hours A continuation of ARA 232, featuring more complex texts and a greater focus on composition in the language. Strong emphasis on developing proficiency in oral and written expression.
Prerequisites: ARA 232

ARA 332 Advanced Arabic II
3.00 credit hours
ARA 332 Advanced Arabic II Three credit hours A continuation of ARA 331. Building on the previous course's use of complex texts and enhanced focus on composition in language. Strong emphasis on strengthening students' proficiency in oral and written expression.
Prerequisites: ARA 331

ARA 395 Field Study in Arabic Country
6.00 credit hours
ARA 395/495 Field Study in an Arabic-Speaking Country Six credit hours Two courses taught in sequence that prepare students to conduct fieldwork in an Arabic-speaking country. ARA 395 provides students with an introduction to the cultural, historical, and political overview of the Arabic-speaking world, the realities of living and conducting research abroad, and guidance in crafting a proposal for a research project. In ARA 495, students will conduct fieldwork in an Arabic-speaking country in accordance with their proposal (successful proposal and defense of the project is a The course will culminate with the submission of an essay and a presentation, to be delivered upon the students' return to the University. NOTE: Credit hours of academic program abroad are subject to departmental approval and proper filing in the Registrar's Office prior to departure. Prerequisite: Any introductory Arabic course or permission of coordinator.
Prerequisites: for acceptance into ARA 495)

ARA 450 Conversational Arabic
3.00 credit hours
ARA 450 Conversational Arabic Three credit hours A course focusing on effective communication in formal and informal settings. Students are exposed to both Modern Standard Arabic and Egyptian Colloquial Arabic. Students are expected to be able to participate in sustained conversations with native speakers in both formal and informal settings, making use of both Modern Standard Arabic and Egyptian Colloquial Arabic.
Prerequisites: ARA 332

ARA 451 Business Arabic
3.00 credit hours
ARA 451 Business Arabic Three credit hours A course focusing on effective communication with native speakers in a professional setting. The course prepares students to engage in formal and informal conversations with native speakers in a business setting. Additionally, students are introduced to composing business letters, memos/notes and emails.
Prerequisites: ARA 450

ARA 489 Topics in Digital Storytelling
3.00 credit hours
ARA 489: Topics in Digital Storytelling One, Two, or Three credit hours This course examines digital storytelling within a topical context. Students both study digital narratives and learn how to create their own digital narratives within the context of the course topic. May be repeated for credit so long as the topics are different. May be cross listed with other Digital Storytelling courses.

ARA 495 Field Study in Arab Country
6.00 credit hours
ARA 395/495 Field Study in an Arabic-Speaking Country Six credit hours Two courses taught in sequence that prepare students to conduct fieldwork in an Arabic-speaking country. ARA 395 provides students with an introduction to the cultural, historical, and political overview of the Arabic-speaking world, the realities of living and conducting research abroad, and guidance in crafting a proposal for a research project. In ARA 495, students will conduct fieldwork in an Arabic-speaking country in accordance with their proposal (successful proposal and defense of the project is a The course will culminate with the submission of an essay and a presentation, to be delivered upon the students' return to the University. NOTE: Credit hours of academic program abroad are subject to departmental approval and proper filing in the Registrar's Office prior to departure. Prerequisite: Any introductory Arabic course or permission of coordinator.
Prerequisites: for acceptance into ARA 495)

ARA 496 Special Topics in Arabic
3.00 credit hours
ARA 496 Special Topics in Arabic Three credit hours This course provides a detailed investigation of a special topic in Arabic language or literature. The course may be repeated for credit in cases where students take courses in different topics.
Prerequisites: A grade of C or better in ARA 296

Biology (BIO)

BIO 110 Biology of the Origins of Life
1.00 credit hours
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 143 Intro to Biology I
4.00 credit hours
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 Intro to Biology II:
4.00 credit hours
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. Lecture: 3 hours per week. Laboratory: 3 hours per week.
Prerequisites: BIO 143

BIO 240 Human Anatomy and Physiology
4.00 credit hours
BIO 240 Human Anatomy and Physiology I for Non-Majors 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 covers the histological and physiological aspects of selected human systems. This course does not count as a Credit in both BIO 249 and BIO 240 are not allowed. Lectures: Three hours a week. Laboratory: Two hours a week. Prerequisite: BIO 143 or equivalent.
Prerequisites: for Human Anatomy and Physiology II (BIO 245)

BIO 241 Cell Biology
4.00 credit hours
BIO 241 Cell Biology Four credit hours A detailed study of the structure, organization, physiological activities, and evolution of plant and animal cells. Lectures: three hours a week. Laboratory: three hours a week.
Prerequisites: BIO 143 and 144, CHE 131

BIO 242 Ecology
4.00 credit hours
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. Lectures: three hours a week. Laboratory: four hours a week. Field trips and a student project are included in the laboratory.
Prerequisites: BIO 143 and 144

BIO 245 Human Anatomy and Physiology II
4.00 credit hours
BIO 245 Human Anatomy and Physiology II Four credit hours This is the second course in a two-semester sequence that provides a comprehensive study of the organization of the human body and the physiology of body processes. Cellular biology, histology, lymphatic, circulatory, reproductive, respiratory, digestive, and excretory systems are studied. Throughout the course an emphasis is placed on the interrelationship between structure and function and on the processes that maintain homeostasis, including deviations resulting in homeostatic imbalances. BIO 240 will not serve as a
Prerequisites: . Lectures: Three hours a week. Laboratory: Two hours a week. Prerequisite: BIO 249 and sophomore standing.

BIO 247 Zoology
4.00 credit hours
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. Lecture: 3 hours per week. Laboratory: 3 hours per week.
Prerequisites: BIO 143 and 144

BIO 248 Botany
4.00 credit hours
BIO 248 Botany Four Credit Hours A study of the morphology, physiology, heredity, evolution and introductory taxonomy of plants. Lectures: three hours a week. Laboratory: Four Hours a week
Prerequisites: BIO 143 and 144

BIO 249 Human Anatomy and Physiology I
4.00 credit hours
BIO 249 is the first 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, integumentary, skeletal, muscular, nervous, and endocrine systems are covered. Throughout the course an emphasis is placed on the interrelationship between structure and function and on the processes that maintain homeostatic, including deviations resulting in homeostatic imbalances. This comprehensive course contains both lecture and laboratory component. Student must be Sophomore standing. Credit in Both BIO 249 and BIO 240 is not allowed. Lecture: Three Hours a week. Laboratory: Two hours a week.
Prerequisites: BIO 143 or equivalent

BIO 313 Biochemistry Laboratory I
1.00 credit hours
BIO 313-314 Biochemistry Laboratory I & II One credit hour each Laboratory courses to accompany Biology 333-334. Four hours of laboratory a week.
Prerequisites: CHE 211, 231

BIO 314 Biochemistry Lab II
1.00 credit hours
BIO 313-314 Biochemistry Laboratory I & II One credit hour each Laboratory courses to accompany Biology 333-334. Four hours of laboratory a week.
Prerequisites: CHE 211, 231

BIO 331 Laboratory Techniques
3.00 credit hours
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. CHE 111, 112, 131, and 132. Lecture: one hour a week. Laboratory: three hours a week.
Prerequisites: BIO 241

BIO 332 Literature of the Environment
3.00 credit hours
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.
Prerequisites: Three hours of science credit

BIO 333 Biochemistry I
3.00 credit hours
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. Lectures: three hours a week.
Prerequisites: CHE 231 or consent of the department

BIO 334 Biochemistry II
3.00 credit hours
BIO 334 Biochemistry II Three credit hours A continuation of BIO 333. Lectures: three hours a week.
Prerequisites: Bio 333

BIO 335 Theories and Mechanisms of Evolutio
3.00 credit hours
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
3.00 credit hours
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 337 Parasitology
3.00 credit hours
BIO 337 Parasitology 3 Credit Hours An introduction to parasites of medical importance that cause human disease throughout the world. Discussion of general aspects of parasitology, taxonomy, morphology, life cycles, pathogenesis, and host- parasite relationships of the major parasitic eukaryotes. Parasites of significant medical/ veterinary importance and fundamental mechanism behavior, diagnosis, epidemiology, and control strategies will be emphasized. Lecture: 3 Hours a week.

BIO 340 Integrated Physiology
4.00 credit hours
BIO 340 Integrated Physiology Four credit hours Analyses of processes by which vertebrates and invertebrates maintain, regulate, and perpetuate their structural and functional integrity. Laboratory: three hours a week.
Prerequisites: BIO 241, CHE 231 and 211 Lectures: three hours a week

BIO 341 Genetics
4.00 credit hours
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. Lectures: three hours a week. Laboratory: three hours a week.
Prerequisites: BIO 241 and MTH 137 or higher

BIO 342 Microbiology
4.00 credit hours
BIO 342 Microbiology Four credit hours An introduction to the study of microorganisms. Special emphasis on their relationship to man. Organic Chemistry recommended. Lectures: two hours a week. Laboratory: three hours a week.
Prerequisites: BIO 143 and 144

BIO 346 Molecular Genetics
4.00 credit hours
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. Lectures: three hours a week. Laboratory: three hours a week
Prerequisites: BIO 241 and MTH 137 or higher

BIO 350 Medical Terminology
3.00 credit hours
BIO 350 - Medical Terminology Three Credit Hours An introduction to medical terminology, designed to increase familiarity with medical terms while reviewing basic anatomy and physiology, learning root words, and learning to analyze unknown words.
Prerequisites: BIO240 or BIO249 or BIO245 or Departmental approval

BIO 352 Tropical Diseases
3.00 credit hours
BIO 352 Tropical Diseases Three Credits This course is designed for students with an interest in tropical diseases, their etiology and control. Emerging and Re- emerging tropical diseases of significant importance and fundamental mechanisms like pathogenesis, diagnosis, epidemiology, and control strategies will be discussed.
Prerequisites: BIO 241or BIO 242 or BIO 342 or BIO 337 and/or departmental approval

BIO 411 Seminar
1.00 credit hours
BIO 411-412 Seminar One credit hour Independent work on recent findings of some aspect of biology.
Prerequisites: must be a senior or have approval of the seminar coordinator

BIO 412 Seminar
1.00 credit hours
BIO 411-412 Seminar One credit hour Independent work on recent findings of some aspect of biology.
Prerequisites: must be a senior or have approval of the seminar coordinator

BIO 422 Laboratory Projects in Biology
2.00 credit hours
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. Crosslisted as CHE 422.
Prerequisites: approval by Department Chair

BIO 430 Research Problems in Biology
3.00 credit hours
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.
Prerequisites: approval by Department Chair

BIO 433 Exploration in Genomics
3.00 credit hours
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. Lectures: three hours a week. Cross-listed as CSC 433.
Prerequisites: BIO 336, CSC 336 or Departmental approval

BIO 434 Introduction to Pharmacogenomics
3.00 credit hours
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. Lectures: three hours a week.
Prerequisites: CSC 131, BIO 336 or CSC 336, two semesters of Biology, or Departmental approval

BIO 435 Special Topics: Bioinformatics
3.00 credit hours
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. Lectures: three hours a week. Cross-listed as CSC 435.
Prerequisites: BIO 336 or CSC 336

BIO 490 Internship in Biology
4.00 credit hours
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 491 Special Topics in Biology
0.00 credit hours
BIO 497-498-499-491 Special Topics in Biology One, Two, Three, or Four 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.

BIO 497 Special Topics in Biology
1.00 credit hours
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.

BIO 498 Special Topics in Biology
2.00 credit hours
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.

BIO 499 Special Topics in Biology
3.00 credit hours
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 Administration (BUS)

BUS 100 Introduction to Business
3.00 credit hours
BUS 100 Introduction of Business Three Credit Hours This Introduction to Business course explains the world of businesses and their owners, employees, and customers. Emphasis will be given to social responsibility, sustainability, economies of scale, and globalization. Basic business concepts, careers, and the interrelationships and complexities of businesses will be studied, analyzed, and evaluated.

BUS 233 Business Statistics
3.00 credit hours
BUS 233 Business Statistics Three credit hours Principles of applied business statistics, collection, tabulation, classification, presentation of business and economic data. Cross-listed with ECO 233
Prerequisites: MTH 132 or Higher

BUS 234 Quant Meth in Business
3.00 credit hours
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. Cross-listed with ECO 233
Prerequisites: BUS 233, or permission of instructor

BUS 336 Elements of Business Law
3.00 credit hours
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.
Prerequisites: ENG 132

BUS 339 Management Information Systems
3.00 credit hours
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 Presentation
1.00 credit hours
BUS 410 Professional Preparation One credit hour Provides help in surfacing, organizing, and assessing information that will be useful in job hunting efforts, as well as coaching in resume writing, interviewing skills, image building, and action planning.

BUS 433 Business and Economic Research
3.00 credit hours
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
3.00 credit hours
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.
Prerequisites: ACC 236, MGT 334, ECO 232, BUS 234, BUS 330, BUS 339, MKT 331

BUS 450 Research and Case Analysis
3.00 credit hours
BUS 450 Research and Case Analysis Three Credit Hours This course uses case analysis research methodology to teach students how to bring together their knowledge of the functional areas of business administration (management, marketing, accounting, finance, and economics) to analyze the strengths, weaknesses, opportunities, and threats (SWOT analysis) of companies in different business situations. Student will be taught to make recommendations to the company based on their analysis. Each student will also select a company that they will analyze in their senior paper in BUS 455.
Prerequisites: ACC 236, BUS 233, ECO 231, MGT 333, MKT 331, ECO 232 and BAF 330

BUS 455 Business Policy: Senior Inves.Paper
3.00 credit hours
BUS 455: Business Policy: The Senior Investigative Paper Three Credit Hours This course deals with conducting research to analyze a company under conditions of uncertainty. Each student researches the company they selected in BUS450 to write a Senior Paper that integrates the knowledge acquired in the functional areas of business administration (management, marketing, accounting, finance, and economics) to conduct a SWOT analysis and provide recommendations based on it. The paper is done under the supervision of a faculty member.
Prerequisites: BUS 450

BUS 460 Senior Paper
3.00 credit hours
BUS 460 Senior Paper Three credit hours Students will write an investigative paper based upon the research proposal developed in the The paper will be done under the supervision of a faculty person.
Prerequisite: BUS 433.
Prerequisites: course

BUS 480 Business Analytics
3.00 credit hours
BUS 480 Business Analytics Three Credit Hours This course will introduce ways in which enterprises, such as private entities, non-profits, and governments, that can use data to gain insights and make better decisions. Emphasis on analyzing data related to business operations, finance, accounting, market response, customer segmentation, customer targeting, brand positioning and pricing and promotion decisions, etc., will all be studies in critical thinking and strategic planning to relate to other discipline and functions. Also, explanatory, and predictive models, optimization, and simulation will be included to influence business decision and possible profitable actions.
Prerequisites: MTH 131 or MTH 133, MGT 333, ECO 231, MKT 331 ACC 235, BAF 330

BUS 490 Internship
3.00 credit hours
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. Only one period of internship is permitted.
Prerequisites: Six hours of Business Administration courses

Chemistry (CHE)

CHE 110 Chemistry of the Origins of Life
1.00 credit hours
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 I Laboratory
1.00 credit hours
CHE 111 General Chemistry Laboratory I One credit hour Laboratory course to accompany Chemistry 131. Three hours of lab per week.
Corequisites: CHE 131 or consent of department

CHE 112 General Chemistry II Laboratory
1.00 credit hours
CHE 112 General Chemistry Laboratory II One credit hour Laboratory course to accompany Chemistry 132. Three hours of lab per week.
Prerequisites: CHE 111 and 131
Corequisites: CHE 132 or consent of department

CHE 130 Foundations of Chemistry
3.00 credit hours
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
3.00 credit hours
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. Three lectures a week.
Prerequisites: Placement in MTH 137 or higher or passing score on departmental placement exam, or approval of department head

CHE 132 General Chemistry II
3.00 credit hours
CHE 132 General Chemistry II Three credit hours A continuation of Chemistry 131. Three lectures a week.
Prerequisites: CHE 131
Corequisites: CHE 112 or consent of department

CHE 211 Organic Chemistry I Laboratory
1.00 credit hours
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. Four hours of lab per week.
Prerequisites: CHE 112 and 132
Corequisites: CHE 231 or consent of department

CHE 212 Organic Chemistry Lab II
1.00 credit hours
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. Four hours of lab per week.
Prerequisites: CHE 211 and 231
Corequisites: CHE 232 or consent of department

CHE 221 Laboratory in Organic Chemistry I
2.00 credit hours
Laboratory course to accompany Chemistry 231. An introduction to basic laboratory techniques of organic chemistry plus explorations into organic synthesis, and spectral analysis. Four hours of lab per week.
Prerequisites: CHE 112 and 132
Corequisites: CHE 231 or consent of Department

CHE 222 Laboratory in Organic Chemistry II
2.00 credit hours
CHE 222 Laboratory in Organic Chemistry II Two 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. Four hours of lab per week.
Prerequisites: CHE 221 and 231
Corequisites: CHE 232 or consent of department

CHE 231 Organic Chemistry I
3.00 credit hours
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. Three lectures a week.
Prerequisites: CHE 132

CHE 232 Organic Chemistry II
3.00 credit hours
CHE 232 Organic Chemistry II Three credit hours A continuation of Chemistry 231. Three lectures a week.
Prerequisites: CHE 231

CHE 313 Biochemistry Laboratory I
1.00 credit hours
CHE 313-314 Biochemistry Laboratory I & II One credit hour each Laboratory courses to accompany Chemistry 333-334. Four hours of laboratory a week.
Prerequisites: CHE 211, 231

CHE 314 Biochemistry Laboratory II
1.00 credit hours
CHE 313-314 Biochemistry Laboratory I & II One credit hour each Laboratory courses to accompany Chemistry 333-334. Four hours of laboratory a week.
Prerequisites: CHE 211, 231

CHE 325 Analytical Chemistry and Instr I
2.00 credit hours
CHE 325 Analytical Chemistry and Instrumental Analysis Laboratory I Two credit hours Laboratory course to accompany Chemistry 335. Four hours of laboratory a week.
Prerequisites: CHE 222 and 232 or consent of the Department
Corequisites: CHE 335

CHE 326 Analytical Chemistry and Inst II
2.00 credit hours
CHE 326 Analytical Chemistry and Instrumental Analysis Laboratory II Two credit hours Laboratory course to accompany Chemistry 336. Four hours of laboratory a week.

CHE 333 Biochemistry I
3.00 credit hours
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. Lecture three hours a week.
Prerequisites: CHE 231 or consent of the department

CHE 334 Biochemistry II
3.00 credit hours
CHE 334 Biochemistry II Three credit hours A continuation of CHE 333. Lecture three hours a week.
Prerequisites: CHE 333

CHE 335 Analytical Chemistry and Instr I
3.00 credit hours
CHE 335 Analytical Chemistry and Instrumental Analysis I Three credit hours The theory and practice of analytical measurements using volumetric, gravimetric and instrumental methods. Three lectures a week.
Prerequisites: CHE 222 and 232 or consent of the Department

CHE 336 Anal. Chem & Inst. II
3.00 credit hours
CHE 336 Analytical Chemistry and Instrumental Analysis II Three credit hours A continuation of CHE 335: the theory and practice of analytical measurements using volumetric, gravimetric and instrumental methods.
Prerequisites: CHE 335 and 325 or consent of the

CHE 343 Analytical Chemistry
4.00 credit hours
CHE 343 Analytical Chemistry Four credit hours The theory and practice of analytical measurements as applied to volumetric and gravimetric determinations
Prerequisites: CHE 212

CHE 344 Instrumental Analysis
4.00 credit hours
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. Three lectures and four hours of laboratory a week.
Prerequisites: CHE 212, 232 and 343 or consent of department

CHE 411 Select Experiments in Physical Chem
1.00 credit hours
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 412 Select Exper in Physical Chemistry
1.00 credit hours
CHE 411-412 Selected Experiments in Physical Chemistry One credit hour each Laboratory courses to accompany Chemistry 431-432. Four hours of laboratory a week.

CHE 422 Laboratory Projects in Chemistry
2.00 credit hours
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.
Prerequisites: approval by Department Chair

CHE 423 Sel. Experiment in Physical Chem.
2.00 credit hours
CHE 423 Selected Experiments in Physical Chemistry Two credit hours Laboratory course to accompany Chemistry 431. Four hours of laboratory a week. Crosslisted with PHY 423.
Prerequisites: CHE 112; PHY242 or 244
Corequisites: CHE 431 or PHY 431

CHE 424 Selected Experiment in Phy Chem
2.00 credit hours
CHE 424 Selected Experiments in Physical Chemistry Two credit hours Laboratory course to accompany Chemistry 432. Four hours of laboratory a week Crosslisted with PHY 424.
Prerequisites: CHE 112; PHY242 or 244
Corequisites: CHE 432 or PHY 432

CHE 430 Research Problems in Chemistry
3.00 credit hours
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.
Prerequisites: approval by Department Chair

CHE 431 Physical Chemistry I
3.00 credit hours
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. Lecture three hours a week.
Prerequisites: CHE 132, MTH 231 and PHY 242 or 244

CHE 432 Physical Chemistry II
3.00 credit hours
CHE 432 Physical Chemistry II Three credit hours A continuation of Chemistry 431. Lectures: three hours a week.
Prerequisites: CHE 431

CHE 435 Advanced Organic Chemistry
3.00 credit hours
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. Lecture three hours a week.
Prerequisites: CHE 232

CHE 490 Internship
3.00 credit hours
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 Special Topics in Chemistry
1.00 credit hours
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.

CHE 498 Special Topics
2.00 credit hours
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

CHE 499 Special Topics in Chemistry
3.00 credit hours
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
3.00 credit hours
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
3.00 credit hours
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.
Prerequisites: CHI 131 or placement by examination

CHI 196 Special Topics in Chinese
3.00 credit hours
This course provides a freshman-level introduction to a particular topic in Chinese languageor literature. The course may be repeated for credit in cases where students take courses in different topics. This course may, at times, be cross-listed with ENG 196.
Prerequisites: A grade of C or better in ENG 131 or CHI 131 or equivalent placement

CHI 231 Intermediate Chinese I
3.00 credit hours
CHI 231 Intermediate Chinese I Three credit hours Emphasis on communicative and writing skills. Short basic readings, conversation, grammar and aspects of culture.
Prerequisites: CHI 132

CHI 232 Intermediate Chinese II
3.00 credit hours
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.
Prerequisites: CHI 231

CHI 235 Internship in Chinese
3.00 credit hours
CHI 235 Internship in Chinese Three credit hours One semester of full-time real-life experience in the field where Chinese language students apply their academic knowledge and skills to the workplace. subject to Department approval.
Prerequisites: CHI 232 or permission of instructor

CHI 296 Topics in Chinese
3.00 credit hours
CHI 296 Topics in Chinese Three to Four Credit Hours This course provides a sophomore-level examination of a particular topic in Chinese language or literature. The course may be repeated for credit for cases where students take courses in different topics. The four credit section includes a lab section that examines the topic through Chinese-language texts. This course may, at times, be cross-listed with ENG 296. In addition, a grade of C or better in CHI132, equivalent placement, or permission of the instructor for four credit version of the course.
Prerequisites: A grade of C or better in ENG 131 or CHI 131 or equivalent placement

CHI 395 Field Study in Chinese
6.00 credit hours
CHI 395/495 Field Study in Chinese Six Credit Hours First hand study in of Chinese language, literature, and/or civilization abroad. Credit hours of the academic program abroad subject to Departmental and proper filling in Registrar's Office prior to departure. May be repeated for additional credit.
Prerequisites: Any introductory Chinese course or permission of the Department Chair

CHI 489 Topics in Digital Storytelling
3.00 credit hours
CHI 489: Topics in Digital Storytelling One, Two, Three Credit Hours This course examines digital storytelling within a topical context. Students both study digital narratives and learn how to create their own digital narratives within the context of the course topic. May be repeated for credit so long as the topics are different. Nay be cross listed with other Digital Storytelling courses.

CHI 495 Field Study in Chinese
6.00 credit hours
CHI 395/495 Field Study in Chinese Six Credit Hours First hand study in of Chinese language, literature, and/or civilization abroad. Credit hours of the academic program abroad subject to Departmental and proper filling in Registrar's Office prior to departure. May be repeated for additional credit.
Prerequisites: Any introductory Chinese course or permission of the Department Chair

CHI 496 Special Topics in Chinese
3.00 credit hours
CHI 496 Special Topics in Chinese Three credit hours This course provides a detailed investigation of a special topic in Chinese language or literature. The course may be repeated for credit in cases where students take courses in different topics.
Prerequisites: A grade of C or better in CHI 232, equivalent placement, or permission of the instructor

Communication Arts (COM)

COM 130 Public Speaking and Communication
3.00 credit hours
COM 130 Public Speaking and Communication Three credit hours A practical communication course in public speaking and professional communication in various public and professional settings and platforms. (Formerly COM 130 Fundamentals of Speech). Note: Students must receive a grade of C or higher.

COM 230 Introduction to Mass Communication
3.00 credit hours
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.
Prerequisites: C or better in COM 130

COM 231 Media Writing
3.00 credit hours
COM 231 Media Writing Three credit hours The course teaches the basic techniques of writing and formats widely employed in professional media. Students will study grammar, mechanics, and Associated Press style required for news writing. Required of all majors, preferably in freshman and sophomore years

COM 232 Communication Theory
3.00 credit hours
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.
Prerequisites: COM 230

COM 233 Photojournalism I
3.00 credit hours
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 235 Design I
3.00 credit hours
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
3.00 credit hours
COM 236 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 VPG 236)
Prerequisites: COM 235

COM 237 Broadcast Operations
3.00 credit hours
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 & Programming I
3.00 credit hours
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.
Prerequisites: COM 236 or 237

COM 239 Video Production & Programming I
3.00 credit hours
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.
Prerequisites: COM 236 or 237

COM 240 Business Writing
3.00 credit hours
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 252 Interpersonal Communication
3.00 credit hours
COM 252 Interpersonal Communication Three credit hours The course introduces students to the theory and practice of interpersonal communication, the ultimate goal being to help them develop more effective communication skills in their personal and professional lives. Emphasis is placed on relational communication in personal, social, professional and cultural contexts. Topics include areas such as emotions, communicating with family, communicating at work, verbal and nonverbal communication, listening, and relationship development, maintenance and dissolution.

COM 256 Health Communication Course
3.00 credit hours
COM 256- Health Communication Course Three Credit Hours This course will explain communication in a health context with a focus on both interpersonal and mass media. The course will take a theoretical and practical approach to health communication. Students will learn different health communication theories and apply the theories to real health projects. No
Prerequisites: required

COM 330 Reporting
3.00 credit hours
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.
Prerequisites: COM 231

COM 331 Feature Writing
3.00 credit hours
COM 331 Feature Writing Three credit hours Training and extensive practice in writing feature stories for newspapers and magazines.
Prerequisites: COM 231

COM 332 Editing
3.00 credit hours
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.
Prerequisites: COM 231

COM 334 Journalism & Graphic Design Wrkshop
3.00 credit hours
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
3.00 credit hours
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, COM 336, Public Relations II, focuses on media relations. Minor topics in public relations are subdivided between the two courses, which may be taken in either order.
Prerequisites: COM 231, COM 240 or consent of department

COM 336 Public Relations II
3.00 credit hours
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.
Prerequisites: COM 231, COM 240 or consent of department

COM 337 Media Campaigns
3.00 credit hours
COM 337 Media Campaigns Three credit hours This course provides 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.
Prerequisites: COM 335 or COM 336

COM 339 Video Production & Programming II
3.00 credit hours
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.
Prerequisites: COM 239

COM 342 Digital Design Workshop
3.00 credit hours
COM 342 Digital Design Workshop Three credit hours Advanced study in using concepts in photojournalism and design to enhance students' ability to deliver professional mass media products.
Prerequisites: : COM 233 Photography and COM 235 Design or Permission of Instructor

COM 360 Junior Seminar
3.00 credit hours
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 audiovisual 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
3.00 credit hours
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.
Prerequisites: COM 239

COM 364 Rhetoric & Persuasion
3.00 credit hours
COM 364 Rhetoric and Persuasion Three credit hours A practical course in learning how to build and analyze persuasive messages, both oral and mediated. Includes reasoning and rhetorical analysis: invention of relevant topics, strategic arrangement and delivery appropriate for public and digital mediums. Also includes applied research.
Prerequisites: COM 130

COM 366 Beginning Web Publishing
3.00 credit hours
COM 366 Beginning Web Publishing Three credit hours This course introduces students to website design and purpose-driven content development. The course will focus on the convergence of multi-digital media content using emerging technologies for journalistic and e-commerce activities. Three hours credit. No

COM 367 Social Media Development
3.00 credit hours
COM 367- Social Media Development Three Credit Hours This course analyses current and social media and their future as publishing and business tools. The course prepares students to better understand various internet social media by analyzing their in-depth uses and business models. Three hours credit. No
Prerequisites: .

COM 368 E-Portfolio Design
3.00 credit hours
COM 368- E-Portfolio Three Credit Hours This course allows students to develop an e-portfolio website and understand it's use as basic personal business tool for professional development/communication. The e-portfolio can be used to secure internships, employment and other opportunities of interest. Three hours credit. No
Prerequisites: .

COM 430 Communication Mgmt, Mktg & Research
3.00 credit hours
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
3.00 credit hours
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.
Prerequisites: COM 231

COM 432 Intercultural Communication
3.00 credit hours
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.
Prerequisites: COM 231

COM 433 The African-American Press
3.00 credit hours
COM 433 The African-American Press Three credit hours A history of the African-American press, including an examination of black newspapers.
Prerequisites: Junior or Senior standing

COM 434 Broadcast News Writing & Announcing
3.00 credit hours
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.
Prerequisites: COM 231

COM 435 Audio Workshop
3.00 credit hours
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. Students may substitute certain required courses with the approval of the Department.
Prerequisites: COM 237 and at least one of the following: COM 238 or COM 343 or COM 430

COM 436 Video Workshop
3.00 credit hours
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. Students may substitute certain required courses with the approval of the Department.
Prerequisites: COM 239 or COM 434

COM 437 Sports Broadcasting
3.00 credit hours
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
3.00 credit hours
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.
Prerequisites: C or better in COM 130

COM 439 Special Topic in Communication Arts
3.00 credit hours
COM 439 Special Topics in Journalism, Graphic Design, Public Relations, &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.
Prerequisites: Permission of Department

COM 440 Online Journalism
3.00 credit hours
COM 440 Online Journalism Three Credit Hour Three credit hours Students will learn the basics of reporting, writing and editing for the university student online publication. The class will also work in conjunction with COM 233 Photojournalism, COM 330 Reporting, COM 332 Editing and COM 334 Journalism Workshop to keep the online publication current. Can be repeated once for credit.

COM 445 Journalism Ethics
3.00 credit hours
COM 445 Journalism Ethics Three Credit Hours Study of basic ethical standards and First Amendment rights for journalists in the U.S., examining case studies that cover the issue of libel, plagiarism, fabrication, anonymity, and source confidentiality.

COM 460 Senior Seminar
3.00 credit hours
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.
Prerequisites: Grade of C or better in COM 360

COM 490 Internship in Communication Arts
3.00 credit hours
COM 490 Internship in Journalism, Graphic Design, Public Relations, & 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.
Prerequisites: Permission of instructor and advisor

COM 492 Advanced Communication Research
3.00 credit hours
COM 492- Advanced Communication Research Three Credit Hours Students will work closely with the instructor to conduct a research project. The project will include topic proposal, data collection and analysis. Students will also learn how to present data for research conferences.
Prerequisites: Com 360 and COM 460

COM 499 Independent Study in Communications
3.00 credit hours
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 Intro Computer Science & Engineerin
3.00 credit hours
CSE 138- Introduction to Computer Science and Engineering Three Credit hours The course covers a description of a computer system, relationship between software and hardware, software and hardware configuration, and introduction to logic circuits, electronic circuits and systems, plus a hands-on lab experience.

CSE 330 Logic & Digital Circuits
3.00 credit hours
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.
Prerequisites: MTH 137 or higher, and CSE138

CSE 331 Circuit Theory
3.00 credit hours
CSE 331- Circuit Theory I Three Credit hours The course emphasizes Kirchoff's laws, voltage and current sources, d-c circuit analysis, circuit theorem, 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.
Prerequisites: MTH 231 or higher

CSE 332 Foundations of Semiconductor Device
3.00 credit hours
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.
Prerequisites: CSE 331

CSE 334 Electronic Measurement & Design
3.00 credit hours
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.
Corequisites: CSE 332

CSE 335 Circuit Theory II
3.00 credit hours
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.
Prerequisites: Circuit Theory I CSE 331

CSE 430 Senior Project
3.00 credit hours
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.
Prerequisites: Senior status and permission of the department

CSE 432 Electronics Circuit Design
3.00 credit hours
CSE432- Electronics Circuit Design- Three Credits The course includes operational amplifiers: RC and RF amplifiers; an introduction to pulse circuits, feedback, and oscillators; analog and digital integrates circuits, and VISI technology:
Prerequisites: CSE 332

CSE 433 Digital Signal Processing
3.00 credit hours
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.
Corequisites: CSE 432

CSE 434 Advanced Electronic Systems
3.00 credit hours
CSE 434- Advanced Electronics System- 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.
Corequisites: CSC 432

CSE 435 Practicum
3.00 credit hours
CSE 435 Practicum Three credit hours This course represents an opportunity for students, under the supervision of faculty, to obtain work experience in the areas covered by the Department's academic programs. This can be implemented through internships and/or research projects; 40 hours of work per credit is required. Accordingly, the student must work 120 hours for this three-credit-hour course. May be repeated when the topic varies.
Prerequisites: Consent of Department

CSE 436 Automatic Control Systems
3.00 credit hours
CSE 436 Automatic Control Systems Three credit hours This course includes elements of electronic control systems, open and closed loop control systems, feedback systems, transfer function for control systems, Nyquest criteria and stability of control systems, stabilizing phase lead and phase lag circuits, Bode diagrams, dc and ac control systems, an introduction to digital control systems, and an introduction to digital control systems. The course includes lab experience in the Automatic Control and Robotics Lab.
Prerequisites: CSE 332

CSE 438 Advanced Logic & Microprocessors
3.00 credit hours
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.
Prerequisites: CSE 330

CSE 439 Sp Top: Computer Science & Engineer
3.00 credit hours
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.
Prerequisites: Consent of the department

Computer Science (CSC)

CSC 131 Computers in Society
3.00 credit hours
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 133 Web Design
3.00 credit hours
CS 133- Web Design Three Credit Hours This course will cover the basis of Web page and Web site Design. Students will be able to develop platform-independent sites using HTML and CSS.

CSC 134 Computer Science Principles
3.00 credit hours
CSC 134 Computer Science Principles Three credit hours This course introduces students to the foundational concepts of the field and challenges them to use computer science as a platform to positively impact their community. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts both locally and globally. NSP. IG
Prerequisites: None

CSC 135 Intro to Programming Python
3.00 credit hours
CSC 135 Introduction to Programming with Python Three credit hours This course aims to teach basic programming and computational concepts to students with little or no previous coding experience. It introduces core programming basics including data types, control structures, algorithm development, and program design with functions using the Python programming language.
Prerequisites: None

CSC 136 Intro to Network Science
3.00 credit hours
CSC 136 Introduction to Network Science Three credit hours This course introduces students to Network Science with applications for infrastructure, informational, biological, political, and relational emergency management systems. Topics include social network formation, diffusion processes such as epidemics or internet sharing, and techniques such as social network analysis. Through interdisciplinary examples, students learn about key aspects of disaster management networks and basic tools to analyze and visualize them.
Prerequisites: CSC 131

CSC 210 Career Preparation Seminar I
1.00 credit hours
CSC 210 Career Preparation Seminar I Once Credit Hour A seminar format discussion led by CSE faculty on topics in the areas of computer science and engineering. The seminar may include meetings with guest speakers, discussion of assigned readings, exploration of scientific literatures, and reflective writing.
Prerequisites: None

CSC 211 Career Preparation Seminar II
1.00 credit hours
CSC 211 Career Preparation Seminar II One credit hours A seminar format discussion led by CSE faculty on topics in the areas of computer science and engineering. The seminar may include meetings with guest speakers, discussion of assigned readings, exploration of scientific literatures, and reflective writing.
Prerequisites: None

CSC 230 Introduction to Programming
3.00 credit hours
CSC 230 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.
Prerequisites: MTH 131 or higher

CSC 231 Computer Programming I
3.00 credit hours
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 232 Computer Programming II
3.00 credit hours
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
3.00 credit hours
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.
Prerequisites: CSE 138, and MTH 131

CSC 234 Data Structures & Algorithms
3.00 credit hours
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.
Prerequisites: CSC 232

CSC 235 Data Analysis in Research
3.00 credit hours
CSC 235 Data Analysis in Research Three credit hours This course will provide a skill-set to analyze data to make data-driven decisions in biomedical research, the healthcare industry, or business environments. It includes an introduction to research methods, data visualization, and basic statistics using data analysis software. This course satisfies the Integrated Studies, Global Studies, and Emergent Fields pillar requirement in the Liberal Studies curriculum.
Prerequisites: CSC 131 and MATH 131 or higher

CSC 236 Intro to Medical Informatics
3.00 credit hours
CSC 236 Intro to Medical Informatics Three credit hours The field of Medical Informatics deals with the storage, retrieval and use of information in health care and medicine. In addition to fundamental principles this course will introduce students to the electronic health records, decision support systems, security issues, information retrieval, bioinformatics, public health informatics, imaging informatics, nursing informatics and consumer health informatics. Upon completion of the course, the students will be able to explain Healthcare data management, electronic medical records, Health IT software, computerized ECG, EEG and EMG, computer assisted medical imaging, and Magnetic Resonance.
Prerequisites: CSC 131
Liberal Studies Pillar: IG

CSC 238 Introduction to Information Securit
3.00 credit hours
CSC 238 Introduction to Information Security Three Credit Hours
This course provides a background, foundation, and insight into the subject of information security and assurance. The students will have a comprehensive understanding of threats, cryptography, attack detection/response, regulations, and information system risk management.

CSC 239 GIS Mapping
3.00 credit hours
CSC 239 GIS Mapping GIS (Geographic Information Systems) is a computer-based tool that uses spatial (geographic) data to analyze and solve real-world problems. This course is designed to introduce the student to the basic principles and techniques of GIS. The lab material will emphasize GIS data collection, entry, storage, analysis, and output using ArcGIS.

CSC 241 Computer Programming I with Lab
4.00 credit hours
CSC 241: Computer Programming I with Lab Four Credit Hours This course introduce core programming basics, computer program design, flow charts, pseudo codes, and fundamentals of structured and object-oriented programming including data types, control structures, algorithm development, and program design with functions. Course
Prerequisites: This course does not require any pre-requisite

CSC 242 Computer Programming II with Lab
4.00 credit hours
CSC 242: Computer Programming II with Lab Four credit hours This course introduces advanced theory, design and implementation of structured and object-oriented programming languages. In addition, the course is designed to present data flow, control structures, program units and storage management. Course
Prerequisites: Prerequisite: CSC241

CSC 330 Systems Analysis & Design
3.00 credit hours
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.
Prerequisites: CSC 231

CSC 331 Applications Programming
3.00 credit hours
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.
Prerequisites: CSC 234

CSC 332 Computer Networking
3.00 credit hours
CSC 332 Computer Networking Three Credit Hours This course provides an introduction to computer networking technologies, including architectures, protocols and interfaces. The students will have solid understanding of fundamentals of computer networks and major protocols. They will also gain experience in the design and analysis of network protocols through simulation and analytical models.

CSC 333 Computer Organization & Architectur
3.00 credit hours
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.
Prerequisites: CSC 232

CSC 334 Introduction to Operating Systems
3.00 credit hours
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.
Prerequisites: CSC 232

CSC 335 Internet Programming
3.00 credit hours
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.
Prerequisites: CSC 331

CSC 336 Introduction to Bioinformatics
3.00 credit hours
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 Introduction Programming Languages
3.00 credit hours
CSC 337-338 Introduction to Programming Languages Three credit hours This course covers fundamental characteristics, syntax, and structure of several major programming languages, plus formal specifications of syntax, data types, operations, subroutine subprograms, statement types, and program structure, run-time representation of programs and data, program linkage, and data transfer between programs.
Prerequisites: CSC 232

CSC 338 Introduction to Programming Languag
3.00 credit hours
CSC 337-338 Introduction to Programming Languages Three credit hours This course covers fundamental characteristics, syntax, and structure of several major programming languages, plus formal specifications of syntax, data types, operations, subroutine subprograms, statement types, and program structure, run-time representation of programs and data, program linkage, and data transfer between programs.
Prerequisites: CSC 232

CSC 339 Bioinformatics Programming
3.00 credit hours
CSC 339 Bioinformatics Programming Three credit hours This course introduces students to programming for bioinformatics. The Human Genome Project has produced large amount of molecular data currently stored in databases around the world. Students learn how to manipulate sequences and other biological data. Programming languages such as Python, suitable for manipulating textual data and pattern searching, is used to extract, modify, and manipulate data.
Prerequisites: CSC 336 (Cross listed as BIO 336)

CSC 421 Introduction to Theory of Computing
2.00 credit hours
NULL

CSC 422 Introduction to Theory of Computing
2.00 credit hours
NULL

CSC 430 Risk Analysis and Management
3.00 credit hours
CSC 430 Risk Analysis and Management This course is designed to teach students the principles of risk analysis and management. Student will be taught how to employ risk analysis and management principles to create coordinated and fiscally sound uses of resources to minimize, monitor, and control risks. Risks must first be identified before they can be prioritized and managed. Students will be taught risk analysis methods that capture the uncertainty associated with the risk assessment. Students will then explore risk management strategies.

CSC 431 Computer and Network Forensics
3.00 credit hours
CSC 431 Computer and Network Forensics Three Credit Hours This course provides comprehensive understanding of computer and network forensics, including methodology, laws/regulations, and industry standards. The students will learn to use software packages for identifying, analyzing, recreating, investigatin and addressing cyber-based crime.
Prerequisites: CSC 238

CSC 432 Data Mining
3.00 credit hours
CSC 432 Data Mining Three credit hours This course discusses how data mining technologies are used to transform large quantities of data into information to support tactical and strategic decisions in business and bioinformatics. We will discuss applications of data mining technologies in customer relationship management (CRM), direct marketing, ecommerce, finance, and retailing. Although we discuss some workings of the technologies, the focus of the course is learning when and how to use the technologies in business and bioinformatics applications. We approach the material from two perspectives, a business analyst and a bioinformatics specialist. The course is designed primarily for students taking a Minor in Bioinformatics and those concentrating in information systems.
Prerequisites: Consent of the Department

CSC 433 Explorations in Genomics /Bioinform
3.00 credit hours
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,

CSC 434 Network Management
3.00 credit hours
CSC 434 Network Management Three Credit Hours The course will focus on developing skills and necessary knowledge for students to install, manage, and troubleshoot small/medium sized enterprise network. Students will be exposed to practical network management skills in this course. The topics include configuration of various network components of LAN & WAN, installing and configuring client and server machines, configuring network routing, setting up firewalls & network appliances, network commands, monitoring tools, and management tools.

CSC 435 Special Topics in Bioinformatic Alg
3.00 credit hours
CSC 435/BIO 435 Bioinformatics Algorithms Three credit hours This course provides an introduction to the algorithmic techniques applied in bioinformatics. Students learn to use software packages for processing biological information and are able to develop algorithms for sequencing, comparing sequences, finding patterns and structures, motifs, visualizing, and gene prediction. Various algorithms included in this course are exhaustive search, greedy algorithms, dynamic programming algorithms, divide-and-conquer algorithms, and combinatorial pattern matching.
Prerequisites: BIO 336/CSC 336

CSC 436 Topics in Computing
3.00 credit hours
CSC 436 Topics in Computer Science Three credit hours A course designed to expose students to current and new developments in computer science.
Prerequisites: Permission of Department

CSC 437 Software Engineering
3.00 credit hours
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, objects-oriented design, coding and testing,
Prerequisites: CSC 234

CSC 438 Database Processing
3.00 credit hours
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.
Prerequisites: CSC 234

CSC 439 Data Communications
3.00 credit hours
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 teleconferencing fundamentals, ISDN networks and ATM.
Prerequisite or Corequisite: CSC 334

Criminology (CRM)

CRM 131 Introduction to Criminal Justice
3.00 credit hours
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).

CRM 230 Crime and Society
3.00 credit hours
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.

CRM 231 Foundations of the Intelligence Com
3.00 credit hours
CRM 231 Foundations of the Intelligence Community Three Credit Hours This course provides a foundation, and basic knowledge and understanding of the elements of the intelligence communities. Students will gain a comprehensive understanding and theoretical overview of the history of intelligence, legal and regulatory issues related to intelligence, and sources of information from which intelligence is derived. This course will also employ the creative, analytical, and critical thinking skills needed to assess best practices used by intelligence professionals.

CRM 233 Ethics in Criminal Justice
3.00 credit hours
CRM 233 Ethics and Criminal Justice Three Credit Hours This course is an examination of the relationships between ethics, crime, and justice in American society. The course will focus on ethical responsibilities and limitation in the criminal justice system, the role of law enforcement, agencies, courts, punishment and correctional agencies.
Prerequisites: CRM 131

CRM 237 Juvenile Delinquency
3.00 credit hours
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.
Prerequisites: CRIM 131

CRM 332 Law Enforcement and the Community
3.00 credit hours
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.
Prerequisites: CRIM 131

CRM 333 Terrorism
3.00 credit hours
CRM 333 Terrorism Three credit hours This course offers a foundation for understanding the events of September 11th and their aftermath. Further, this course will challenge students to think critically not only about the harrowing events of the recent past, but also their historical roots. The focus will be on research, investigations, intelligence threats, and policy making that has produced a new understanding about the threat of terrorism and the changing and dangerous nature of the national and international security environment. (Offered Every Year).
Prerequisites: CRM 131

CRM 334 Criminal Investigation
3.00 credit hours
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.
Prerequisites: CRIM 131 or permission of instructor

CRM 335 Institutional Correction
3.00 credit hours
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.
Prerequisites: CRIM 131

CRM 336 Community Based Cor. & Re-entry Prg
3.00 credit hours
CRM 336 Community Based Corrections and Re-Entry Programs Three Credit Hours This course will be an examination of the structure, functions, and effectiveness of community corrections programs including probation, parole, reentry programs. This course will also examine de-institutionalization improvement, community -based treatment centers, community service agencies, work-release programs, and current trends, issues, and challenges in community corrections.
Prerequisites: CRM 130

CRM 338 Homeland Security
3.00 credit hours
CRM 338 Homeland Security Three credit hours This course is a survey of Homeland Security. It will examine natural and technological hazards, including terrorism, which may be a threat to the United States and its territories. Attention will be on events that shape public policy and the various government organizations responsible for Homeland Security. The course will also examine the role of intelligence in mitigating and responding to security threats.
Prerequisites: CRM 131

CRM 339 Criminology
3.00 credit hours
CRIM 339 Criminology Three credit hours An examination of both classical and contemporary theories of crime, its causes, consequences and prevention. Offered Alternate Years.
Prerequisites: SOC 131

CRM 430 Administration of Criminal Justice
3.00 credit hours
CRM 430 Administration of Criminal Justice Organizations Three credit hours Course will examine public administration theories, practice, and principles in the areas of law enforcement, courts, and correctional agencies. Course content varies and is designed to meet current needs and interests in the rapidly changing field of criminal justice administration.
Prerequisites: CRM 130

CRM 432 Social Research I
3.00 credit hours
CRIM 432 Social Research I Three credit hours An introduction to the techniques, and methods of scientific inquiry (part I). This course must be completed with a grade of C or better before enrolling in CRIM 490. (Spring Semester). Prerequisite: SOC 131.
Prerequisites: Nine credit hours of sociology or consent of instructor

CRM 433 Social Research II
3.00 credit hours
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).
Prerequisites: SOC 131 and CRIM 432

CRM 434 Drug Enforcement
3.00 credit hours
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.
Prerequisites: CRIM 131 or permission of instructor

CRM 435 Criminal Law
3.00 credit hours
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.
Prerequisites: CRIM 131 or Law 230

CRM 436 Internship in Criminology
3.00 credit hours
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. Offered every Semester.
Prerequisites: CRIM 131

CRM 437 American Criminal Courts
3.00 credit hours
CRM 437 American Criminal Courts Three Credits This course is an in-depth examination of American jurisprudence, including the history, evolution, and structure of the American criminal courts system. Trends in American Courts systems, such as Domestic Violence and Drug Courts will be addressed. This course will also examine the issues and challenges in the criminal court process.
Prerequisites: CRM 130

CRM 490 Senior Paper in Criminology
3.00 credit hours
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.
Prerequisites: CRIM 131; CRIM 432; CRIM 433

CRM 494 Special Topics:
3.00 credit hours
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.

Cultural Studies (CST)

CST 131 Introduction to Cultural Studies
3.00 credit hours
CST 131 Introduction to Cultural Studies Three credit hours This course introduces students to cultural studies, an interdisciplinary field that examines the ways in which cultural processes and artifacts are produced, circulated, regulated, and consumed. Cultural studies employs diverse analytical and interpretive techniques from a variety of disciplines (including but not limited to literary studies, anthropology, communication, history, philosophy, and others) to examine, contextualize, and explore the ways in which power works to shape culture. Students will survey a range of significant works from the field that critically explore and "read" cultural texts through a variety of lenses (race, class, gender, etc.) and position these texts in broader historical, social, ethical, and political contexts.
Prerequisites: ENG 131

CST 231 Intro to Cultural Theory
3.00 credit hours
CST 231 Introduction to Cultural Theory Three credit hours This course introduces students to a range of theories and interpretive strategies central to the field of cultural studies. Topics include: defining and contesting “popular” culture, race and representation, gender and sexuality, Marxism, structuralism and post-structuralism, postmodernism and post-colonial theory.
Prerequisites: CST 131

CST 232 Introd to Critical Studies in Race
3.00 credit hours
CST 232 Intro to Critical Studies in Race Three Credit Hours Drawing on the work in the field of Critical Studies, this course introduces students to a variety of theoretical approaches to the study of race in the United States. Students will survey the history of Critical Studies in Race in their various philosophical formations. After a historical survey of the field, students will identify how Critical Studies in Race engages the historical scope of various disciplines that critically engage race in popular culture, economics, law, and criminal justice.
Prerequisites: CST 131 or Co-Requisite CST 231

CST 233 Intro to Gender and Sexual Studies
3.00 credit hours
CST 233 Intro to Gender and Sexuality Studies Three Credit Hours This course will provide an overview and analysis of gender and sexuality, focusing on exploring the relationship between gender, gender roles, sexuality, and global social institutions (the economy, family, religion, education). Focus will be given to social institutional changes and social movements.
Prerequisites: CST 131 or Co-Requisite CST 231

CST 234 Introduction to Pop Culture
3.00 credit hours
CST Intro to Popular Culture Three Credit Hours Drawing on work in the field of Cultural Studies, this course introduces students to a variety of theoretical approaches to the study of popular culture. Students will survey a range of definitions and theories related to mass media and popular culture that focus on issues of ideology, power, and identity formation across a variety of sites, including film, television, popular music, social media, and digital gaming,
Prerequisites: CST 131 or Co-Requisite CST 231

CST 321 Critical Race Theory
3.00 credit hours
CST 321 Critical Race Theory Three Credit Hours This course will examine the political debates in the U.S. over Critical Race Theory (CRT). Students will engage the theoretical routes of CRT as a legal theory to develop a clear definition of its inception and reception. After examining Critical Race Theory proper, students will parse the ways in which CRT now circulates both the Right and the Left to examine the ways in which CRT is deployed in the popular sphere. As such students will also engage the subtle differences between Critical Race Theory - a theoral of legal deconstruction - and Critical Race Studies - a broader academic Interdisplinary perspective.
Prerequisites: RHC 133

CST 331 Junior Seminar in Cult Studies
3.00 credit hours
CST 331 Junior Seminar in Cultural Studies Three Credit Hours Students are introduced to models of research and writing in Cultural Studies. Students will be introduced to specific genre requirements or research-based writing through the examination of multiple cultural forms including music, literature, and television. Additionally, students will apply various theoretical frameworks to these cultural objects. In the capstone project for the course, students will develop a research problem, examine the literature, and produce an annotated bibliography, culminating in a formal research prospectus. Successful fulfillment of this course requires that the instructor certify (by signature) that the research prospectus meets established guidelines relating to the integrative nature of the program. Required of all junior level Cultural Studies majors. Students must be classified as juniors or seniors to enroll in this course.
Prerequisites: RHC 133 or consent of instructor

CST 332 Rapsody's Eve and Hip-Hop Feminism
3.00 credit hours
CST 332 Rapsody's Eve and Hip-Hop Feminism Three Credit Hours In this course, students will explore the roots and routes of hip-hop feminism through Rapsody's 2019 release EVE. Eve's tracklist features tracks title with names of significant black women through history. Through critical readings, discussion, and multimedia expression, we will examine the history behind Rapsody's artistic representation of these women. This course features a particular focus on the roots of feminist thought among Black North Carolinians, including examination of the legacies of North Carolina artist and thinks like Nina Simone, Anna Jula Cooper, and Roberta Flack. Additionally, students will look at hip-hop's history to engage with albums from women hip hoppers in multiple eras. Using critical reading and listening skills, students will present original research on hip-hop history, hip-hop feminist criticism, and critical theory.

CST 431 Senior Seminar I
3.00 credit hours
CST 431 Senior Seminar I Three Credit Hours Cultural Studies major are required to develop a Senior Project Proposal utilizing their field of study and the final proposal must be approved by their selected readers and the Senior Paper Faculty. Required of all Cultural Studies majors.
Prerequisites: a grade of C or better in CST 331

CST 432 Senior Seminar II
3.00 credit hours
CST 432 Senior Seminar II Three Credit Hours In this course, students complete their Senior Investigative Project from their approved proposal developed in CST 431: Senior Seminar I. Students will add subsequent research and are required to submit a completed paper or project with proper approval signature and are required to submit a completed paper or project with proper approval signature from their readers, faculty advisor, and department chair for final approval and grade for the course. Students are also required to present their research to the department and campus at large as part of the final submission process. Required of Cultural Studies major.
Prerequisites: a grade of C or better in CST:431

CST 490 Special Topics in Cultural Studies
3.00 credit hours
CST 490 Special Topics in Cultural Studies Three Credit Hours Special Topics in Cultural Studies

Data Science

DSC 130 Introduction to Data Science
3.00 credit hours
Introduction to Data Science Three Credit Hours This course teaches an introduction to data science and the practice of working through the entire data life cycle to inform decisions across various domains. Using real-world data, students will learn the basics of commonly deployed analytical methods and tools including data wrangling, cleaning, sampling, analysis, and visualization. Students will apply strategies to generate knowledge and use data to explore social problems and ethical implications. Upon completion, students will have gained a foundational understanding and related competencies in many facets of effective use of data.
Prerequisites: None

DSC 131 Intro to Programming for Data
3.00 credit hours
DSC 131 Introduction to Programming for Data Science Three credit hours Th course an introduction to basic programming, computational thinking and extraction for data analysis. Using beginner-friendly methods and programs that manipulate different types of data, students will leverage tools and libraries for data programming. Students will also learn to efficiently extract and curate relevant datasets from multiple data storage sources.
Prerequisites: DSC 130

DSC 132 Data Visualization & Communication
3.00 credit hours
DSC 132 Data Visualization and Communication Three credit hours his course introduces key concepts in data exploration, data visualization and visual storytelling. Topics include concepts and methods used in graphical representation of data such as exploration and ethical reporting of data, visual reasoning and basic interactive design methods. Upon completion, students should be able to effectively use graphical tools and presentation skills to communicate insights about data with demonstrated understanding of social implications and context.
Prerequisites: DSC 130

DSC 133 Responsible Artificial Intelligence
3.00 credit hours
DSC 133: Responsible Artificial Intelligence This course provides an introduction to responsible artificial intelligence (AI) and explains where bias in AI systems comes from, who it impacts and how to mitigate it. This course will explore fundamental global challenges and concerns, including accountability, equity, fairness, and transparency in AI systems. Upon completion, students will know the fundamentals and principles of responsible artificial intelligence.
Prerequisites: None
Liberal Studies Pillar: IG

DSC 430 Advanced Data Sciene
3.00 credit hours
DSC 430 Advanced Data Science Three Credit Hours The course explores advanced data science methods, machine learning technologies and design thinking practices. Students will learn to apply these techniques to address key industry problems. Several open-source technologies including python and Jupyter notebooks, and the artificial intelligence platform IBM Watson will be used. Students will learn about different roles in data science teams and the course will prepare those who want to start a career in Data Science. Students that successfully complete course readings, labs and the final exam can earn the IBM Data Science Practitioner digital badge.
Prerequisites: DSC 130 or CSC 235 or MTH 136 or MTH 231 or PSY 233 or BUS 233 or MTH 438

DSC 435 Data Science Practicum
3.00 credit hours
DSC 435 Data Science Practicum Three credit hours In this course, students will engage directly in the use of knowledge from data science and intradisciplinary courses in an industrial, community or research setting. Faculty sponsored practicums require 40 hours on-site or in the classroom per credit hour. Accordingly, the student must 120 hours for this 3-credit hour course.
Prerequisites: Consent of the Department

DSC 439 Special Topics in Data Science
3.00 credit hours
In this course, special topics covering new advances in data science and are selected and offered by the Department. The topic covered by the course may change from one semester to another. May be repeated when the topic varies.

Economics (ECO)

ECO 230 Economics for Non-Bus and Eco Major
3.00 credit hours
ECO 230-Economics for Non Business & Economics Majors Three credit hours This is an economics course which is designed for students who may or may not be majoring in Business Administration and Economics. The objective of this course is to provide the basic foundation of our economic system in terms of how our economic system determines what to produce, how to produce,and how to distribute the resulting products. This course does not require any
Prerequisites: .

ECO 231 Principles of Macroeconomics
3.00 credit hours
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.
Prerequisites: MTH 132 or higher or the permission of the instructor

ECO 232 Principle of Microeconomics
3.00 credit hours
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.
Prerequisites: Econ 231or permission of the instructor

ECO 233 Economic Statistics
3.00 credit hours
ECO 233 Economic Statistics Three credit hours Principles of applied business statistics, collection tabulation, classification, and presentation of business and economic data. Cross-listed with BUS 233
Prerequisites: MTH 132 or higher, excluding MTH 133 and MTH 136

ECO 332 Urban & Regional Economics
3.00 credit hours
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ECO 334 Interna Economics & Social Problems
3.00 credit hours
ECO 334 International Economics and Social Problems Three Credit Hours A comprehensive view of the international field of exchange, production and distribution.
Prerequisites: ECO 232

ECO 335 Microeconomic Theory
3.00 credit hours
ECO 335 Microeconomic Theory Three Credit Hours Examination of value and distribution theory, including the theory of consumer behavior and theory of firms.
Prerequisites: ECO 231 and ECO 232

ECO 336 Macroeconomic Theory
3.00 credit hours
ECO 336- Macroeconomic Theory- Thee Credit Hours An analysis of the national income level, employment and price levels.
Prerequisites: ECO 335

ECO 431 Industrial Org & Regulation of Bus
3.00 credit hours
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.
Prerequisites: ECO 336

ECO 432 Economic Development
3.00 credit hours
ECO 432 Economic Development Three Credit Hours A study of the economics of underdeveloped countries with major concentration on African countries.
Prerequisites: ECO 335 and ECO 336 or permission of instructor

ECO 437 Public Finance
3.00 credit hours
ECO 437- Public Finance Three Credits An economic analysis of the rationale for public expenditures and taxation. Externalities, pollution and public policy, income redistribution and public welfare, and cost benefi analysis, taxation and state policy, state and local finance and fiscal federalism.
Prerequisites: ECO 232 or permission of instructor

ECO 438 Environmental Economics
3.00 credit hours
ECO 438 Environmental Economics Three Credit Hours This course focuses on the use of economics in understanding pollution, congestion, conservation, and other environmental problems. Relevant economic models such as pricing schemes, damage functions, and benefit-cost analysis are studied. Pollution taxes, regulations, marketable permits, and subsidies considered in designing alternative in the incentive system are also studied, as well as non-market decision making as an alternative in the area of public policy.
Prerequisites: ECO 232 or permission of instructor

English (ENG)

ENG 131 Composition
3.00 credit hours
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 232 Studies in World Literature
3.00 credit hours
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).
Prerequisites: ENG 132

ENG 233 Business Writing
3.00 credit hours
ENG 232 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, Litera & Literacy
3.00 credit hours
ENG 234 English Language, Literature, and Literary Three credit hours An introduction to the English major that includes an overview of the study of literature and how the canon (and sub-canons) are formed as well as an introduction to research methods and technological tools available to majors. Required for all English majors.

ENG 235 English Methods
1.00 credit hours
ENG 235: English Methods One Credit Hour This course focuses on the research methods and methodology common to the English Major. Topics include, but are not limited to, MLA and Chicago Manual of Style formats, research methodology, and common reference material and databases. may be repeated twice for credit.

ENG 238 Elements of Fiction
3.00 credit hours
ENG 238 Elements of Fiction Three credit hours Craft-based instruction in specific formal issues of the fiction tradition. Emphasis on structure, narrative design, aesthetics and prose. Assignments will include readings, analysis, exercises, etc.
Prerequisites: for enrollment: ENG 232 or prior consent of instructor

ENG 296 Topics in English
3.00 credit hours
This course provides a sophomore-level examination of a particular topic in language or literature. The course may be repeated for credit in cases where students take courses in different topics.
Prerequisites: a grade of C or better in ENG 131 or equivalent placement

ENG 320 The Arthurian Cycle: Early Material
1.00 credit hours
ENG 320: The Arthurian Cycle: The Early Material to the Romances Once credit hour An examination of the Arthurian Tradition's origins and development from the Welsh Triads, the Mabinogion, and Gawain and the Green Knight, through Geoffrey of Monmouth and Chretien de Troyes .

ENG 321 The Arthurian Cycle: Mallory
1.00 credit hours
ENG 321: The Arthurian Cycle: Mallory One credit hour An examination Mallory's Le Morted'Arthur, its sources, and historical context.

ENG 322 The Arthurian Cycle: Later Interpr.
1.00 credit hours
ENG 322 C: The Arthurian Cycle: Later Interpretations One credit hour An examination of post-Mallory interpretations of the Arthurian cycle, which may include Tennyson, T. H. White, J. R. R. Tolkien, and the film Excalibur .

ENG 323 Writing for Social Media: Short Frm
1.00 credit hours
ENG 323: Writing for Social Media: Short Form One credit hour An examination of short form writing for Social Media (e.g., memes and Twitter). This includes both an examination of this kind of writing, the practice and application of this kind of writing, and the ethics involved in this kind of writing (e.g., who has the right to an image used in a meme).

ENG 324 Writing for Social Media:Standard
1.00 credit hours
ENG 324: Writing for Social Media: Standard Form One credit hour An examination of standard writing for Social Media (e.g., Facebook posts, blog posts, and comments found appended to articles-- like news reports). This includes both an examination of this kind of writing, the practice and application of this kind of writing, and the ethics involved in this kind of writing (e.g., cyberbullying).

ENG 325 Writing for Social Media: Long Form
1.00 credit hours
ENG 325: Writing for Social Media: Long Form One credit hour An examination of long form writing for Social Media (e.g., full length articles designed for socially driven sites like The Huffington Post). This includes both an examination of this kind of writing, the practice and application of this kind of writing, and the ethics involved in this kind of writing (e.g., "link -bait" headlines, how and when should online writers be paid).

ENG 330 Chaucer
3.00 credit hours
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.
Prerequisites: ENG 234 or consent of instructor

ENG 331 Advanced Composition
3.00 credit hours
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.
Prerequisites: ENG 234

ENG 333 British Literature
3.00 credit hours
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.
Prerequisites: ENG 234 or consent of instructor

ENG 334 British Literature II
3.00 credit hours
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.
Prerequisites: ENG 234 or consent of instructor

ENG 335 American Literature
3.00 credit hours
ENG 335-336 American Literature Three credit hours each A survey of American literature from selected works of the Colonial Period to the present time. (Offered Alternate Years)
Prerequisites: ENG 234 or consent of instructor

ENG 336 American Literat II
3.00 credit hours
ENG 335-336 American Literature Three credit hours each A survey of American literature from selected works of the Colonial Period to the present time. (Offered Alternate Years)
Prerequisites: ENG 234 or consent of instructor

ENG 337 Creative Writing
3.00 credit hours
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 & Media for Adolescents
3.00 credit hours
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
3.00 credit hours
ENG 339 Shakespeare Three Credit Hours A study of at least plays (eight in detail).
Prerequisites: ENG 234 or consent of instructor

ENG 346 Fiction Writing Workshop
3.00 credit hours
ENG 346 Fiction Writing Workshop Three credit hours Study in theory and techniques of fiction writing. Taught in the workshop model in which craft classes are coupled with classroom critique of the student's original fiction, followed by revision of his or her own manuscript.

ENG 347 Creative Nonfiction Writing
3.00 credit hours
ENG 347 Creative Nonfiction Writing Workshop Three credit hours Study of the theory and techniques of a variety of creative nonfiction genres as specified by the instructor. These genres could include writing for the web, blogging, travel writing, family genealogy/history writing, and others. Craft classes are combined with workshops of the student's original creative nonfiction, followed by student revision of the manuscript. Assignments include readings, peer critique, and exercises culminating in a publishable piece of original creative nonfiction.
Prerequisites: for enrollment: ENG 234 or prior consent of instructor

ENG 348 Poetry Writing Workshop
3.00 credit hours
ENG 348 Poetry Writing Workshop Three Hours Total Study of the craft of poetry writing. Craft classes are combined with workshops of the student's original creative poetry, followed by student revision of that manuscript. Assignments include readings, peer critique, and exercises culminating in a publishable piece of original poetry.
Prerequisites: for enrollment: ENG 234 or prior consent of instructor

ENG 349 Memoir
3.00 credit hours
ENG 349 Memoir Three Credit Hours Study of Memoir as a genre separate from creative nonfiction. Selected readings specified by the instructor will focus on contemporary memoir published since 2000. Assignments include craft classes, readings, analysis, and workshop, culminating in a publishable pie ce of an excerpt from a memoir.
Prerequisites: for enrollment: ENG 234 or prior consent of instructor

ENG 350 Dark Age & Medieval Lit of Britain
1.00 credit hours
ENG 350: The Dark Age and Medieval Literature of Britain One Credit Hour A study of the canonical works of literature in Old and Middle English.

ENG 351 Eng Ren Writers other than Shakespe
1.00 credit hours
ENG 351: English Renaissance Writers other than Shakespeare One Credit Hour A study of Shakespeare's contemporaries in the English Renaissance.

ENG 352 English Civil War, Restor. & Englig
1.00 credit hours
ENG 352: The English Civil War, The Restoration and the Enlightenment One Credit Hour A study of English speaking writers on both sides of the Atlantic from the period of the English Civil War through the Englightenment period.

ENG 353 Romantic and Gothic Literature
1.00 credit hours
ENG 353 Romantic & Gothic Literature One Credit Hour A study of the English Romantics, the Transcendentalists, and writers of the Gothic.

ENG 354 Abolitionist Liter Ameri Civil War
1.00 credit hours
ENG 354: Abolitionist Literature and the American Civil War One Credit Hour A study of slave narrative tradition and the literature surrounding the American Civil War.

ENG 355 The Gilded Age
1.00 credit hours
ENG 355 The Guilded Age One Credit Hour A study of American writing following the Civil War.

ENG 356 The Victorians
1.00 credit hours
ENG 356: The Victorians One Credit Hour A study of British Victorian writers.

ENG 357 1st World War and Lost Generation
1.00 credit hours
ENG 357: The First World War and the Lost Generation One Credit Hour A study of the World War I writers and the writers of the Lost Generation that came after, and wrote in response to, World War I.

ENG 358 The Harlem Renaissance
1.00 credit hours
ENG 358: The Harlem Renaissance Once Credit Hour A study of the Jazz Age and the writers of the Harlem Renaissance.

ENG 359 The Modernists
1.00 credit hours
ENG 359: The Modernist One Credit Hour A study of the Modernist Movement, as it expressed itself on both sides of the Atlantic.

ENG 360 The Postmodernists
1.00 credit hours
ENG 360: The Postmodernists One credit hour A study of the Postmodernist Movement, as it expressed itself on both sides of the Atlantic.

ENG 361 Contemporary Literatures
1.00 credit hours
ENG 361: Contemporary Literatures One credit hour A study of recent and contemporary works in English from the English speaking world.

ENG 362 Global Slave Narratives
3.00 credit hours
ENG-362-Global Slave Narratives Three Credit Hours This course introduces students to 18th and 19th Century Slave Narratives, autobiographical accounts written by slaves themselves about their experiences of capture, abuse, defiance, and survival within the confines of the peculiar insitution known as slavery. The first hand accounts emanate from counties like Cuba, Puerto Rico, Jamaica, the Dominican Republic,Haiti, the United States, and countries on the African continent. Liberal Studies Pillar: . HU

ENG 364 Irish Literature
3.00 credit hours
ENG 364 Irish Literature Three credit hours A study of Irish literature in English. Varying choice of subject matter from year to year. This course satisfies the Humanities Pillar requirement in the Liberal Studies Program.

ENG 390 Studies in Texuality
3.00 credit hours
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 Screen Writing
3.00 credit hours
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ENG 410 Theory & Prac. Professional Writing
3.00 credit hours
ENG 410 Theory and Practices in Professional Writing (Technical/Scientific) Three credit hours A study of the theory and practice of technical and professional writing. Emphasis is on elements of style, layout, and length.

ENG 412 Classical Rhetoric
3.00 credit hours
ENG 412 Classical Rhetoric Three credit hours A study of rhetorical theory and application of the classical world, as defined by writers like Aristotle and Cicero.

ENG 426 The Contemporary Graphic Novel
3.00 credit hours
ENG 426 The Contemporary Graphic Novel Three Credit Hours This course will explore the contemporary long-form graphic novel by placing it in both it's global and theoretical contexts. Core readings will be selected from works published since 2000. Assignments will include readings, analysis, exercises, etc.

ENG 427 Southern Literature
3.00 credit hours
ENG 427 Southern Literature Three credit hours The study of the poetry, fiction, and drama of the South. Selected readings specified by the instructor will focus on such works as William Faulkner, Eudora Welty, Maya Angelou, Alice Walker, Gwendolyn Brooks, and others. Assignments will include readings, analysis, exercises, etc.

ENG 429 The Teaching of English
3.00 credit hours
ENG 429 The Teaching of English Three credit hours A study of philosophies, materials, and techniques used in teaching language, literature, and composition in grades 7-12

ENG 430 Milton
3.00 credit hours
ENG 430 Milton Three credit hours Selected prose and all the English poems of Milton.

ENG 431 Eng Lit of Restoration & 18th Cent
3.00 credit hours
ENG 431 English Literature of the Restoration and the Eighteenth Century Three credit hours A study of English literature from the Restoration to 1798.
Prerequisites: ENG 234 or consent of instructor

ENG 432 The Bible as Literature
3.00 credit hours
ENG 432 The Bible as Literature Three credit hours A nonsectarian literature course that aims to lead the student — as a lay reader — to an understanding and appreciation of the sacred writings of the Christian tradition as literature. It is a research-oriented course with a strong hermeneutical emphasis as opposed to a text-analysis emphasis.

ENG 433 Modern Drama
3.00 credit hours
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.
Prerequisites: ENG 234 or consent of instructor

ENG 435 Studies in Romantic Literature
3.00 credit hours
ENG 435 Studies in Romantic LIterature Three Credit Hours A detailed study of the Romantic Movement, including the major English poets - Blake, Wordsworth, Coleridge, Byron, Shelley, and Keats - and a broad understanding of the significant prose of the period.
Prerequisites: ENG 234 or consent of instructor

ENG 436 Studies in Victorian Literature
3.00 credit hours
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.

ENG 437 Contemporary Literature
3.00 credit hours
ENG 437 Contemporary Literature Three credit hours Study of outstanding figures of American literature from 1945 to the present. Choice of authors and subjects vary from year to year.

ENG 439 Principles of Literary Criticism
3.00 credit hours
ENG 439 Principles of Literary Criticism Three credit hours Review of the history of Western criticism, study of developments in literary theory, and guided experiences with practical criticism.
Prerequisites: ENG 234 or consent of instructor

ENG 440 The British Novel
3.00 credit hours
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

ENG 441 The American Novel
3.00 credit hours
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.
Prerequisites: ENG 234 or consent of instructor

ENG 450 JCSU Publications Workshop
3.00 credit hours
ENG 450: JCSU Publishing Workshop Three credit hours This course studies the theory and practice of producing documents for publication in physical and digital formats. The class will spend a portion of its time working on one or more projects that will culminate as an official JCSU publication, including but notlimited to the student research journal and the literary magazine.

ENG 476 English Internship
3.00 credit hours
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.
Prerequisites: consent of instructor

ENG 489 Topics in Digital Storytelling
1.00 credit hours
ENG 489: Topics in Digital Storytelling One, Two, or Three credit hours This course examines digital storytelling within a topical context. Students both study digital narratives and learn how to create their own digital narratives within the context of the course topic. May be repeated for credit so long as the topics are different. May be cross listed with other Digital Storytelling courses.

ENG 490 Senior Seminar
3.00 credit hours
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.
Prerequisites: A successful Prospectus Defense

ENG 491 The English Language
3.00 credit hours
ENG 491 A The English Language Thee Credit Hours A study of the principles of language study, with special attention to historical and lingustic forces that have affected the development of the English language. Prerequistie: ENG 234 or consent of instructor.

ENG 493 Modern English Grammar
3.00 credit hours
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.
Prerequisites: ENG 234 or consent of instructor

ENG 494 Afro-American Literat: 1920 t Prese
3.00 credit hours
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.

ENG 495 African American Literature
3.00 credit hours
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.

ENG 496 Special Topics in English
3.00 credit hours
ENG 496-497-498 Special Topics in English One to six credit hours
Detailed investigation of a special topic in language or literature.

ENG 497 Special Topics in English
3.00 credit hours
ENG 496-497-498 Special Topics in English One to six credit hours
Detailed investigation of a special topic in language or literature.
Prerequisites: ENG 234 or consent of instructor

ENG 498 Special Topics in English
3.00 credit hours
ENG 496-497-498 Special Topics in English One to six credit hours
Detailed investigation of a special topic in language or literature.
Prerequisites: ENG 234 or consent of instructor

ENG 499 Independent Study
3.00 credit hours
ENG 496-497-498 Special Topics in English One to six credit hours
Detailed investigation of a special topic in language or literature.
Prerequisites: ENG 234 or consent of instructor

Entreprenurial (ENT)

ENT 231 Intro to Entrepreneurship
3.00 credit hours
ENT231 Intro to Entrepreneurship Three Credit Hours This course teaches students what will be involved in launching and operating a new venture. Using a combination of experiential exercises and case studies, students develop a hand-on understanding of the difficulties associated with launching new ventures. Also includes an introduction to intrapreneurship. Both entrepreneurial and traditional business organiziations seek employees with initiative and an innovative approach. Emphasis on understanding the perspective of the chief executive officer and supporting his/her objectives efficiently. This course is designed to add knowledge and promote one's advancement within a business organization by being a more useful and productive employee. Focus on creating successful business plans.

ENT 330 Innovative Thinking
3.00 credit hours
ENT330 Innovative Thinking Three Hours Provides a myriad of artist-led programs built to offer experiential programs for individuals, teams, groups, and organizations. The coruse is not designed to make you an artist, but rather to instill the critical and innovative thinking that artists apply throughout their creative process. This experiential process of artist-led learning results in behaviors that challenge, connect and stimulate change within yourself and the people you lead.

ENT 331 Business Innovations
3.00 credit hours
ENT 331 Business Innovation Three Credit Hours This course will focus on the discipline of the creative process, its development and managment, and its application within organizations. The course will coordinate with faculty and community organizations to provide students a foundation for creating and developing a business idea. The topics include but are not limited to: multi-disciplinary definitions and theories of creativity and innovation, the development of creative ability and its application and management within organizations, and the development of an individual creative process by exploring mulitiple creative outlets, culminating in a completed creative project.

ENT 334 Funding Your Business Venture
3.00 credit hours
ENT 334 Funding Your Business Venture Three Credit Union This class concentrates on developing a knowledge of the asset classes in early stage funding, both equity and debt, including money from family and friends, crowdfunding, angels (both individual and networks) early and mid-stage venture capital, private equity, incubators (both for profit and not for profit), and debt from venture debt funds and special commerical banks. Much of the class is taught from the entrepreneur's perspective.

ENT 335 Entrepreneurial Marketing
3.00 credit hours
ENT335 Entrepreneurial Marketing Three Credit Hours The purpose of this course is to facilitate students' conceptual knowledge and relevant skills needed to manage marketing activities at both strategic and operational levels. The course will help the University strive for its vision of a risk-oriented, entrepreneurial, independent presence. The course serves to provide students an understanding of the core activities in managing marketing, the uncertainty associated with new digital marketing tools and the role that knowledge and learning play in marketing tactics at the organizational level. In addition, the course will sharpen students' already heightened use of technology with the newly added marketing mix, digital marketing, and develop students' critical thinking skills around how marketing can be explored through unique strategic issues that involve dynamic entrepreneurial businesses.

ENT 490 Special Topics
3.00 credit hours
ENT 490: Special Topics Three Credit Hours Detailed investigation of special topics determined by the instructor, that permits advanced work of an interdisciplinary nature. May be repeated for credit.

Esports and Gaming Management (ESG)

ESG 230 Introduction to Esports & Game Mgt
3.00 credit hours
ESG 230 Introduction to Esports and Gaming Management Three Credit Hours This course wll expose students to the myriad of facets involved n the Esports and gaming industry. Students enrolled n ths course may possess varied levels of experence and knowledge of the Esports and gaming industries. Therefore, necessary to ensure their keen understandiing of more adanced concepts provided through upper level coursework.

ESG 331 Esports Business and Trends
3.00 credit hours
ESG 331 Esports Business & Trends Three Credit Hours This course will introduce students to the structures of an Esports organization and the skills required to manage different stakeholders. Students will gain insight regarding the structures of an organization and how to develop a brand.
Prerequisites: ESG 230

ESG 332 Esports Events and Gaming Managemen
3.00 credit hours
ESG332 Esports Events and Gaming Management Three Credit Hours This course will provide students with the fundamentals of managing small and large scale Esports events. The essential components of building, managing, and closing Esports events and projects will also be discussed.
Prerequisites: ESG230

ESG 430 Esports and Gaming Technology
3.00 credit hours
ESG 430 Esports and Gaming Technology Three Credit Hours This course will introduce students to the devices and technologies utilized in the Esports and gaming industries, particularly those utilized when executing small and large scale events and tournaments. Prerequsite: ESG 230

ESG 435 Esports and Gaming Internship
3.00 credit hours
ESG 435 Esports and Gaming Internship Three Credit Hours This course will provide students with practical experiences working in the Esports and Gaming job market. Each student will be responsible for acquiring 120 contact hours in a supervised esports and/or gaming work environment.
Prerequisites: ESG230, ESG331, ESG332, an ESG 430

Ethics (ETH)

ETH 131 Introduction to Ethics
3.00 credit hours
ETH 131 Introduction to Ethics Three Credit Hours This course explores the basic sources and methodologies of selected systems of ethical reasoning from a global perspective and applies them to contemporary problems in individuals and social ethics. This course is cross-listed as PHI 234. There are no
Prerequisites: for this course

ETH 231 History of West Social & Polit II
3.00 credit hours
ETH 231 History of Western Social and Political Ethics II Three credit hours This course will introduce students to major ethical developments in Western social and political thought from the Pre-Socratics through the Protestant Reformation, including key ideas such as the nature of sovereignty and the source of legitimate authority, the nature of justice, the form of the state, the nature of property, and the nature and rights of citizenship. Although both ETH 231 and 232 are required for the Ethics minor, they do not need to be taken in sequence.
Prerequisites: ETH 131 or permission of instructor

ETH 232 History of West Social & Pol I
3.00 credit hours
ETH 232 History of Western Social and Political Ethics I Three credit hours This course will introduce students to major ethical developments in Western social and political thought from the end of the 16th century to the present, including the shift from monarchy to nation state, the development of social contract theory, capitalism, constitutional government, modern democracy and related concepts of liberty and social equality, and developments of the idea of justice, as well as the ideologies of socialism, fascism, and national socialism. Although both ETH 231 and 232 are required for the Ethics minor, they do not need to be taken in sequence.
Prerequisites: ETH 131 or permission of instructor

ETH 233 Christian Ethics
3.00 credit hours
ETH 233 Christian Ethics Three credit hours The course introduces students to the biblical, theological, and philosophical sources of Christian ethics from a global perspective, and to the most significant approaches to questions of personal and social ethics in the Christian tradition, especially in relation to current social problems.
Prerequisites: ETH 131 or permission of the instructor

ETH 331 Comparative Religious Ethics
3.00 credit hours
ETH 331 Comparative Religious Ethics Three credit hours Students will explore global religious and philosophical perspectives on the meaning of the good life and good society. This course involves a comparative study of social ethics in several world religions, with special attention to selected contemporary issues.
Prerequisites: ETH 131 or permission of instructor

ETH 333 Social Analysis and Ethical Reflect
3.00 credit hours
ETH 333 Social Analysis and Ethical Reflection Three credit hours This course will introduce students to exemplary works of social analysis and cultural criticism from the mid19th century forward, focusing (with a few exceptions) on work grounded in social science that crosses traditional disciplinary boundaries to more fully grasp the ethical crises of modern societies.
Prerequisites: ETH 131 or permission of instructor

ETH 431 Special Topics in Ethics
3.00 credit hours
ETH 431 Special Topics in Ethics Three credit hours This course explores advanced research in specific topics related to ethics. This course can be repeated for credit when the topics change.
Prerequisites: ETH 131 or permission of instructor

Finance (BAF)

BAF 231 Introduction to Financial Planning
3.00 credit hours
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
3.00 credit hours
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
3.00 credit hours
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.
Prerequisites: ACC235-236, ECO 231-232

BAF 332 Commercial Bank Management
3.00 credit hours
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.
Prerequisites: BAF 330 and BAF 331

BAF 333 Financial Statement Analysis
3.00 credit hours
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
3.00 credit hours
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 institution, and the financing of foreign trade and operations. Offered in alternate semesters.
Prerequisites: BAF 330

BAF 335 Cash Management
3.00 credit hours
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.
Prerequisites: BAF 330

BAF 336 Wills, Trust, & Estate Planning
3.00 credit hours
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.
Prerequisites: BUS 335 or BUS 336

BAF 337 Retirement Planning
3.00 credit hours
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.
Prerequisites: BUS 335 or BUS 336

BAF 339 Risk Management and Financial Plan
3.00 credit hours
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.
Prerequisites: BAF 330

BAF 430 Corporate Finance
3.00 credit hours
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.
Prerequisites: BAF 330

BAF 431 Investments
3.00 credit hours
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.
Prerequisites: BAF 330

BAF 432 Financial Institutions and Markets
3.00 credit hours
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.
Prerequisites: BAF 331

BAF 433 Special Topics
3.00 credit hours
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.

BAF 435 General Securities Series 7 Prep
3.00 credit hours
BAF 435 General Securities Series 7 Preparation Course Three Credit Course This is an exam preparation course covering topics related to the General Securities Registered Representative Exam (Series 7). This course will expose students to topics currently covered by the Series 7 examination including (but not limited do) corporate, equity/ fixed - income securities , local/state/federal government, securities, deriviate securities, and investment company products. This course is not affiliated with FINRA, the Series 7, exam provider, and does not exempt students from the examination eligibility requirements. Requirement: students must be enrolled in JCSU or Metropolitan College. The course caters to Business Administration majors with a concentration in Finance or Accounting, but is appropriate for any major with the skill set and desire to pursue a career in finance or insurance.
Prerequisites: BAF 330 or equivalent

French (FRE)

FRE 131 Elementary French I
3.00 credit hours
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
3.00 credit hours
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.
Prerequisites: FRE 131 or placement by examination

FRE 231 Intermediate French I
3.00 credit hours
FRE 231 Intermediate French I Three credit hours Emphasis on communicative and writing skills. Short basic readings, conversation, grammar and aspects of culture.
Prerequisites: FRE 132 or 133 or equivalent

FRE 232 Intermediate French II
3.00 credit hours
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.
Prerequisites: FRE 231 or equivalent

FRE 236 French for Business and Tech
3.00 credit hours
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 resume, writing a business letter, conducting an interview, and making a business presentation in French.
Prerequisites: FRE232 or permission by instructor

FRE 331 Survey of French Literature I
3.00 credit hours
FRE 331: Survey of French Literature and Culture Three credit hours An Introduction to the significant authors and trends in French Literature from the Middle Ages through the Twenty First Century. The Course will be conducted in French.
Prerequisites: FRE 232 or permission of instructor

FRE 332 Survey of French Literature II
3.00 credit hours
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.
Prerequisites: FRE 232 or permissions of instructor

FRE 333 Adv Studies in Fre Convers, Gra & C
3.00 credit hours
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, expose') based on literary selections. Conducted in French.
Prerequisites: FRE232 or permission of instructor

FRE 334 Applied French Phonetics
3.00 credit hours
FRE 334 Applied French Phonetics Three credit hours Formal study of the rules of French pronunciation and their application to modern standard French. Extensive practice in reading and speaking with proper rhythm and intonation.
Prerequisites: FRE 232 or permission of instructor

FRE 390 Junior Seminar
3.00 credit hours
Three Credit Hours Further development of oral and written expression in French. Introuduction to research approaches and techniques in French as well as presentation of major school of literary criticism and textual analysis through applied readings. Generation of a formal research prospects through the development of a research problem, search of literature, and production of an annotated bibliography.
Prerequisites: FRE 331 or FRE 332 or permission of instructor

FRE 430 French Civilization
3.00 credit hours
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.
Prerequisites: FRE 331 or permission of instructor

FRE 432 French Literature of the Renaissanc
3.00 credit hours
FRE 432 French Literature of the Renaissance Three Credit Hours Study of major literary styles and works of the era. Authors studied include Montaigne,DuBeally, Ronsard,and Rabelais. Conducted in French.
Prerequisites: FRE 331 or permission of instructor

FRE 433 French Literature of the 17th Cent.
3.00 credit hours
FRE 433 French Literature of the 17th Century Three Credit Hours Study of major literary works, tracing the movement from Classicism to the Enlightenment. Authors studied include Montesquieu, Voltaire, Diderot, and Rousseau. Conducted in French.
Prerequisites: FRE 331 or permission of the instructor

FRE 434 French Literature of the 18th Cent
3.00 credit hours
French Literature of the 18th Century Three Credit Hours Study of major literary works,tracing the movement from Classicism to the Enlightenment. Authors studied include Motesquieu, Voltaire, Diderot, and Rousseau. Conducted in French.
Prerequisites: FRE 331 or permission of instructor

FRE 436 French Literature of the Twentieth
3.00 credit hours
FRE 436 French Literature of the Twentieth Century Three credit hours Study of major literary works, and their relationship to other disciplines. Authors studied include Gide, Proust, Breton, Saint-Exupéry, Ionesco, Camus, Sartre, and Duras. Conducted in French.
Prerequisites: FRE 331 or permission of instructor

FRE 437 Francophone Literatures
3.00 credit hours
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, Labouansi. Conducted in French.
Prerequisites: FRE 331 or permission of instructor

FRE 438 Francophone Literature of the Maghr
3.00 credit hours
FRE 438 Francophone Literature of the Maghreb Three credit hours Study of major literary works from North Africa focusing on the question of cultural identity. Authors studied include Kateb, Khatibi, Ben Jelloun, Djebar, Memmi, and Chraibi. Conducted in French.
Prerequisites: FRE 331 or permission of instructor

FRE 440 France and the European Union
3.00 credit hours
FRE 440 France Today and the European Union Three credit hours This course will review a brief history of the European integration and a description of the community's institutions, common programs, single market, currency, education and training. How does this new Europe relate to the rest of the world, including the USA? What is the future of this type of union? Examining the issues about the French and the European identity? This course is an intensive practical effort aiming not only at linguistic competency but also at cultural proficiency. We will rely on the online resources and the print media for our resources.
Prerequisites: FRE 232 or permission of instructor

FRE 490 Senior Paper
3.00 credit hours
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. NOTE: Students with an incomplete in French 390 cannot register for this course.
Prerequisites: FRE 331 and 390 or permission of instructor

FRE 496 Special Topics in French
3.00 credit hours
FRE 496-497-498 Special Topics in French Three credit hours Focus on issues related to France and the Francophone World which include themes such as colonial and post-colonial alienation, the struggle for civil rights, race, gender, revolt, the struggle for cultural and political identity, and literary phenomena of significance. May be repeated for credit. Normally taught on a one- time basis; not intended to form a permanent part of the French core. Issues studied may generate topics for the Senior Investigative Research Paper.
Prerequisites: Any 300-level French course or above or permission of instructor

FRE 499 Independent Study
0.00 credit hours
FRE 499 Independent Study One to Three credit hours A planned and structured project cooperatively defined by student and faculty. The student is permitted to complete work in the areas of French language, literature, and/or culture. Students may earn one, two, or three credit hours, based on the scope of work. Multiple enrollments under different projects for a maximum of six credit hours. Open to French and French Education majors.
Prerequisites: Any 300- level French course or above or permission of instructor

Geography (GEO)

GEO 131 Introduction to Geography
3.00 credit hours
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.

Germany (GER)

GER 131 Elemenatary German I
3.00 credit hours
GER 131 - Elementary German I Three Credit Hours This course is designed for students without prior knowledge of German. We will begin the survey of German vocabulary and grammar to develop the skills of reading, listening, writing and speaking German. In addition, we will begin to learn the German culture.

GER 132 Elementary German II
3.00 credit hours
GER 132 Elementary German II Three credit hours This course continues the introduction to German. We will learn additional vocabulary and grammar to broaden our ability to read, understand, speak, and write German.
Prerequisites: GER 131

GER 135 Intens Intro German
6.00 credit hours
GER 135 Intensive Introduction to German Six credit hours This intensive course covers Elementary German I and Elementary German II in one semester. It provides and introduction to German by emphasizing vocabulary and grammar to develop the skills of reading, listening, writing and speaking German. In addition, we will begin to learn about the German culture.

GER 395 Field Study: German-Speaking Cntry
6.00 credit hours
GER 395/495 Field Study in a German-speaking Country Six credit hours First-hand study of the German language, literature, and/or civilization abroad. NOTE: Credit hours of academic program abroad subject to Departmental approval and proper filing in the Registrar!s Office prior to departure.
Prerequisites: Any introductory German course or permission of coordinator

GER 489 Topics in Digital Story Telling
3.00 credit hours
GER 489: Topics in Digital Storytelling One, Two, or Three credit hours This course examines digital storytelling within a topical context. Students both study digital narratives and learn how to create their own digital narratives within the context of the course topic. May be repeated for credit so long as the topics are different. May be cross listed with other Digital Storytelling courses.

GER 495 Field Study in a German-Speaking
6.00 credit hours
GER 395/495 Field Study in a German-speaking Country Six credit hours First-hand study of the German language, literature, and/or civilization abroad. NOTE: Credit hours of academic program abroad subject to Departmental approval and proper filing in the Registrar!s Office prior to departure.
Prerequisites: Any introductory German course or permission of coordinator

Health (HED)

HED 131 Personal Health
3.00 credit hours
HED 131 Personal Health* Three Credit Hours A lecture courses 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.

HED 132 Personal Health and Wellness
3.00 credit hours
HED 132- Personal Health and Wellness Three Credit Hours A lecture and physical activity course focusing on topics such as Preventive health care, nutrition, physical activity, coping in today’s Society, decision making, diseases, drugs, love and the human life Cycle.

HED 230 Introduction to Health Education
3.00 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
3.00 credit hours
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
3.00 credit hours
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
3.00 credit hours
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
3.00 credit hours
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 become certified in First Aid and CPR.

HED 235 Drugs and Drug Education
3.00 credit hours
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 236 Women's Health
3.00 credit hours
HED 236 Women’s Health Three credit hours This course explores the field of women’s health and its relationship to both the lives of women and to understanding broader culture and society.It is designed to give the student a basic scientific understanding of the major differences between the sexes, the influence these differences have on illness and health outcomes, and the implications for policy, medical research, and health care.

HED 310 Independent Study
1.00 credit hours
HED 310, 320, & 330 Independent Study One - Three credit hours A course designed to provide intensive work in an area of special interest or a required topic in health education. This course is available to qualified students upon recommendations from their academic advisor and the instructor related to the topic.

HED 320 Independent Study
3.00 credit hours
HED 310, 320, & 330 Independent Study One - Three credit hours A course designed to provide intensive work in an area of special interest or a required topic in health education. This course is available to qualified students upon recommendations from their academic advisor and the instructor related to the topic.

HED 330 Independent Study
3.00 credit hours
HED 310, 320, & 330 Independent Study One - Three Credit Hours A course designed to provide intensive work in an area of special interest or a required topic in health education. This course is available to qualified students upon recommendations from their academic advisor and the instructor related to the topic.

HED 332 Health Ed & Phy Act in Elem Schools
3.00 credit hours
HED 332 Health Education & Physical Activity in the Elementary Schools Three Credit Hours This course is designed to assist students in developing knowledge and skills in planning curricula, defining, instructional objectives, and writing lesson plans to enhance their effectiveness in teaching health education and physical activity content at the elementary school level (FORMERLY HED 322).

HED 333 School Health Problems
3.00 credit hours
HED 333 School Health Problems Three credit hours This course is designed to provide the student with a working knowledge of the Coordinated School Health Program in schools and the major health issues affecting today's students. Techniques for identifying problem areas, designing and implementing change strategies, and evaluating the results are also a part of this course.

HED 334 Program Planning and Evaluation
3.00 credit hours
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 & Issues
3.00 credit hours
HED 335 Minority Health Three credit hours Problems and Issues 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
3.00 credit hours
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 337 Environmental Health
3.00 credit hours
HED 337 Environmental Health Three credit hours This course examines the physical, chemical, and biological factors external to a person and all the related factors impacting behaviors. It encompasses the assessment and control of those environmental factors that can potentially affect health as they relate to preventing disease and creating health-supportive social and cultural environments

HED 338 Junior Seminar Health Research I
3.00 credit hours
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 395 Human Lactation
3.00 credit hours
HED 395 Human Lactation Three Credit Hours The didactic component of the lactation program provides students comprehensive breastfeeding and human lactation eduction. Students will be provided with the basic medical sciences as well as public health and social work perspectives, including consideration of equity, population and program-based applications associated with human lactation. Attendance at breastfeeding conferences and other pre-approved coursework will also be an important part of each student experience. Enrollment into the course by permission only.

HED 396 Human Lactation II
3.00 credit hours
HED 396 Human Lactation II Three credit hours Continuation of HED 395. The didactic component of the lactation provides students comprehensive breastfeeding and human lactation education. Students will be provided with the basic medical sciences as well as public health and social work perspectives, including consideration of equity, population and program-based applications associated with human lactation.
Prerequisites: HED 395, Human Lactation

HED 430 Senior Seminar: Health Research II
3.00 credit hours
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
3.00 credit hours
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
3.00 credit hours
HED 434 Methods and Materials in Teaching Health Education Three credit hours This course is designed to provide the student with the opportunity to develop knowledge and competencies in the use of effective methods of teaching health education and the effective use of resources. Best practices as they relate to the National Health Education Standards, the North Carolina Standard Course of Study, and educational technology are also a part of this course.
Prerequisites: Health Education 333
Corequisites: EDU 312 (must be taken concurrently)

HED 435 Epidemiology
3.00 credit hours
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
3.00 credit hours
HED 436 Health Administration Three credit hours Introductory course to health administration. Background of health care, health policy, the healthcare delivery system, health care access, health finance, the pharmaceutical industry, and ethics will be explored.

HED 437 Applications in Health Communicatio
3.00 credit hours
HED 437 Applications in Health Communications Three credit hours A course designed to introduce the student to the many facets of health communication. Understanding of theoretical frameworks in health, health literacy, and levels of communication will be explored. Practical experience in design and production of health educational materials utilizing health communication channels will be required.

HED 438 Soc. & Behav Aspects of Global Hlth
3.00 credit hours
This course covers the behavioral, social, and cultural aspects of health and disease. Students learn how behavioral and social theories are relevant to health promotion and disease prevention efforts and in relevant to health promotion and disease prevention efforts in behavior-based safety efforts. They also learn how factors protect or erode health at multiple levels (including individual, community, societal, and global levels) and how interventions are developed to improve health by addressing critical factors at each of these levels. The course also addresses the roles of culture, race, and ethnicity in the conceptualization of health and illness.

HED 439 Queer Studies
3.00 credit hours
HED 439 Queer Studies Three Credit Hours In this course, students will explore the field of queer studies- its relationship to both the lives of lesbian, gay, bisexual, and transgender (LGBT) people and to understanding of broader culture and society. Particular attention will be given to the relationships between discrimination and oppression, and health and wellness. Health disparities in the LGBT population will also be explored. Issues will be explored using interdisciplinary approaches that incorporate the intersecting questions of race, class, gender, and nationality alongside sexuality and gender identity. We will cultivate analytical tools developed out of feminist and LGBT political movements.
Prerequisites: ENG 131

HED 490 Special Topics in Health
3.00 credit hours
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.

HED 495 Lactation Practicum
3.00 credit hours
HED 495 Lactation Practicum Three Credit Hours The clinical component of the lactation programs provides students with practical experiences related to the mother and child and includes direct observation, competency attainment, and supervised practice within inpatient and outpatient settings. It involves student experiential sharing and topic review, shadowing, and attendance at meetings. All student will complete at least 300 hours of clincical lactation experience. Enrollment into the course by permission only. Course may be repeated for credit.
Prerequisites: HED 395, Human Lactation

HED 496 Lactation Practicum II
3.00 credit hours
HED 496 Lactation Practicum II Three Credit Hours Continuation of HED 495. The clinical component of the lactation program provides students with practical experiences related to the mother and child and includes direct observation, competency attainment, and supervised practice within inpatient and outpatient settings. It involves student experiential sharing and topic review, shadowing, and attendance at meetings. All students will complete at least 300 hours of clinical lactation experience. Enrollment into the course by permission only. Course may be repeated for credit.
Prerequisites: HED 495, Lactation Practicum

History (HIS)

HIS 131 World Civilizations to 1500
3.00 credit hours
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 1500 to present
3.00 credit hours
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 the United States to 1865
3.00 credit hours
HIS 135 History of the United States to 1865 Three credit hours A study of the United States from European colonization to 1865.

HIS 136 History of the US Since 1865
3.00 credit hours
HIS 136 History of the United States Since 1865 Three credit hours A study of the United States from the conclusion of the Civil War to the present.

HIS 200 Historical Methodology
3.00 credit hours
HIS 200 Historical Methodology Three Credit Hours This course serves as an introduction to the historical method, including a consideration of the various approaches to historical study and historiography. The course will seek to ask why and how historians have studied the past, what tools historians employ to study the past, as well as what are the many processes of historical inquiry. Students will learn how to conduct historical research in a library, in an archive, and online and to be able to develop a research methodology appropriate to a particular historical topic or theme. Required for all History majors. Effective: 2012-2013 Academic Calendar

HIS 231 North Carolina History
3.00 credit hours
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
3.00 credit hours
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
3.00 credit hours
HIS-238 Modern Latin America Three Credit Hours This course examines the devolpment of modern Latin American cilvilization from its pre-Columbian orgins to the present.

HIS 239 Plantation Societies in America
3.00 credit hours
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HIS 330 American Colonial Civilization
3.00 credit hours
HIS 330 American Colonial Civilization Three credit hours The study of an underdeveloped area and the economic, political, and religious life of the different colonies; the contributions of the various immigrants.
Prerequisites: HIS 135 or permission of the instructor

HIS 331 Public History
3.00 credit hours
HIS 331 Public History Three credit hours This course is designed to familiarize students with and train them in the discipline of public history through an exploration of historic preservation, museum studies, archives, and archival management, genealogy, and oral history.
Prerequisites: HIS 135 and HIS 136

HIS 333 Diplomatic History of the US
3.00 credit hours
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 Amer Revolution & Fed: 1776-1820
3.00 credit hours
HIS 334 The American Revolution and the Federal Period: 1776-1820 Three credit hours A history of the United States during the formative years of the early republic from the War of Independence to the so-called Era of Good Feelings. Considerable attention devoted to the creative personalities of the period.
Prerequisites: HIS 135 and 136

HIS 336 Emerg Modern America: 1865-1914
3.00 credit hours
HIS 336 Emergence of Modern America 1865-1914 Three Credit Hours A study of the revolutionary changes in American life from the end of the Civil War to the close of the nineteenth century, the failure of Reconstruction, the origins of racial segregation, and America's emergence as an industrial giant.
Prerequisites: HIS 136 or permission of instructor

HIS 337 West Africa
3.00 credit hours
HIS 337 West Africa Three credit hours An examination of selected topics in West African history, including the Sudanic empires, the slave trade, the development of coastal states, European conquest, types of colonial rule, the struggle for independence, and challenges of development.

HIS 338 Topics African-American History I
3.00 credit hours
HIS-338 Topics in African-American History I Three Credit Hours This course will cover selected topics in African-American history from the colonial period to the end of Reconstruction. Course Topics will vary from semester to semester. This course may be taken twice for credit, provided the topics vary. Required for History majors.

HIS 339 Topics African American History II
3.00 credit hours
HIS 339 Topics in African-American History II Three credit hours This course will cover selected topics in African-American history from the end of Reconstruction to the present. Course topics will vary from semester to semester. This course may be taken twice for credit, provided the topics vary. Required for History majors.

HIS 392 Women's History
3.00 credit hours
HIS 392 Women's History Three credit hours This course explores the social, economic, and political movements of American women over four centuries. African-American, Native American, and European- American women are studied.
Prerequisites: HIS 135 and HIS 136 or permission of instructor

HIS 393 History of the US in the 20th Cent.
3.00 credit hours
HIS 393 History of the United States in the Twentieth Century Three credit hours This course examines the economic, social, political, and cultural changes that have occurred in the United States since 1914.

HIS 394 Early Modern Europe: 1350-1789
3.00 credit hours
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.
Prerequisites: HIS 131 and 132

HIS 430 Nineteenth Century Europe 1789-1914
3.00 credit hours
HIS 430 Nineteenth Century Europe: 1789-1914 Three credit hours A study of Europe from the French Revolution to the outbreak of World War I. Includes the rise of romantic nationalism, liberal democracy, industrialism, and imperialism.
Prerequisites: HIS 132 or permission of instructor

HIS 431 Twentieth Century Europe
3.00 credit hours
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.
Prerequisites: HIS 132

HIS 432 Southern Africa
3.00 credit hours
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
3.00 credit hours
HIS 433 The Old South Three credit hours Political, economic, social, and cultural forces in the evolution of the period 1820-1860.
Prerequisites: HIS 135 or permission of the instructor

HIS 434 The New South
3.00 credit hours
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.
Prerequisites: HIS 136 or permission of the instructor

HIS 435 Northern Africa
3.00 credit hours
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 Topics in History
3.00 credit hours
HIS 436-437 Topics in History Three credit hours each Various special topics that permit advanced work in different fields of historical study.

HIS 437 Topics in History
3.00 credit hours
HIS 436-437 Topics in History Three credit hours each Various special topics that permit advanced work in different fields of historical study.

HIS 438 Internship in Public History
3.00 credit hours
HIS 438 Internship in Public History Three credit hours A supervised internship in the area of public history designed to give students practical experience in the discipline and to make professional contacts in local public history sites, such as museums and archives. Students are responsible for a minimum of 120 hours of work and must complete a paper on their work activities and experience.
Prerequisites: HIS 210 and HIS 331

HIS 439 Internship
3.00 credit hours
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.
Prerequisites: Permission of instructor

HIS 490 Senior Investigative Paper I
3.00 credit hours
HIS 490 Senior Investigative Paper I Three credit hours This course is required of all history majors and is designed to begin major work on the Senior Investigative Paper. This course provides detailed instruction and supervision on beginning the research and writing process, including the preparation of the student's topic, the drafting of a prospectus, the finding and acquisition of resources, the creation of a formal bibliography, and intensive primary source research. Assignments will include writing exercises, discussions and workshops to improve the paper style, and a formal presentation of the prospectus by the student, including a question and answer session from students and other history faculty, at the end of the semester. This is required of all history majors. This course will be offered each fall.
Prerequisites: HIS 491

HIS 491 Senior Investigative Paper II
3.00 credit hours
HIS 491 Senior Investigative Paper II Three credit hours This course is the second of the two-course SIP sequence. This course involves continued research and writing of a research paper of at least 25 pages in length. The SIP will be in appropriate article style and quality, will be based upon primary sources, and will demonstrate effective critical thinking and writing. The final product for this course will be a polished final draft of the SIP and a formal presentation of the paper before students and faculty in the format of a traditional conference presentation with a time-limit and questions from the panel moderator and audience. This course is required of all history majors. This course will be offered each spring.
Prerequisites: HIS 490

Interdisciplinary Studies (IDS)

IDS 231 Introduction to Interdiscip. Studie
3.00 credit hours
IDS Introduction to Interdisciplinary Studies Three Credit Hours Students develop a clear framework of the differences between disciplinary, multidisciplinary, interdisciplinary, and transdisciplinary work with a focus on research integration and learn how to effectively describe and promote the value of their interdisciplinarity and their own unique course of study in the major.

IDS 296 Sole Food: Digestible Sneaker Cultr
3.00 credit hours
IDS 296: Sole Food: Digestible Sneaker Culture Three Credit Hours This course addresses societal ills, life and identity within that culture, and explores the overall impact and phenomenon of sneakers on a global level. Whether an aficionado of sneaker culture or a contentious observer of the culture, this course examines the true essence of all things sneaker culture. Fulfills the Integrated Studies, Global Studies, Emergent Fields Pillar.
Prerequisites: ENG 131

IDS 300 Interdisciplinary Studies Practicum
3.00 credit hours
IDS 300 Interdisciplinary Studies Practicum Three credit hours This course gives students the opportunity to explore connections across fields related to a theme or topic of their choice. The possibilities are many, as students work with a faculty advisor to propose and execute a project related to their degree. The practicum may entail (but is not limited to): the planning of a conference, either at the University or in their community; the execution of an activist event such as a rally; the publication of a collection of essays; the launch of a web site; the production of a documentary; the writing of a business plan; or the application of a grant. May be repeated for credit.

IDS 331 Junior Seminar
3.00 credit hours
IDS 331 Junior Seminar (Research Methods) Three credit hours This course introduces models of interdisciplinary research and moves through the interdisciplinary research model to achieve research integration. Students learn research skills, including mastery of various disciplinary citation styles, effective database search strategies, and development of focused interdisciplinary research questions.

IDS 431 Senior Capstone I
3.00 credit hours
IDS 431 Senior Seminar Three credit hours In this course, students complete their Senior Investigative Project from their approved proposals developed in IDS 431: Senior Capstone I. Students will add subsequent research as needed and are required to submit a completed paper or project with proper approval signatures from their readers, faculty advisor, and department chair for final approval and grade for the course. Students are also required to present their research to the department and campus at large as part of the final submission process. Required of IDS majors.
Prerequisites: a grade of C or better in IDS 431

IDS 432 Senior Capstone II
3.00 credit hours
IDS 432 Senior Capstone II Three Credit Hours The second semester of this project requires the student to meet with the appropriate professor(s) on a weekly basis during which the process of creating the final project is documented. A final research paper that undergoes numerous revisions during the course of the semester fulfills a required writing component. In addition to the substantial research paper, a presentation of the research is given in a suitable format that is discussed and refined during the course of the semester. The student's final project must be presented to the IDS Advisory Board during a presentation which is open to the public. The supervising professor(s), in a consultation with the Advisory Board, issues the final grade. Required of IDS majors .
Prerequisites: a grade of C or better in IDS 431

IDS 496 Special Topics
3.00 credit hours
IDS 496-497-498 Special Topics in Interdisciplinary Studies One, Two or Three credit hours 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 497 Special Topics
3.00 credit hours
IDS 496-497-498 Special Topics in Interdisciplinary Studies One, Two or Three credit hours 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 498 Special Topics
3.00 credit hours
IDS 496-497-498 Special Topics in Interdisciplinary Studies One, Two or Three credit hours 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
3.00 credit hours
IDS 499 Independent Study: Internship (Hours vary and are determined on a case-by-case basis) A planned and structured project cooperatively determined by student and instructor. Student permitted to contract work in focuses of special interest. One to six hours of credit may be earned, according to the scope of the project. Students must work 40 hours for each credit hour earned for internship placements. May be repeated for credit for a different project.

Latin (LAT)

LAT 131 Elementary Latin I
3.00 credit hours
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
3.00 credit hours
LAT132 Elementary Latin II Three 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 135 Intensive IntroductoryLatin
6.00 credit hours
LAT 135 Intensive Introductory Latin Six credit hours This intensive course covers Elementary Latin I and Elementary Latin II in one semester. It provides an introduction to the fundamentals of reading classical Latin by emphasizing vocabulary, syntax, and Roman culture, which are studied by working with authentic and adapted materials.

LAT 231 Intermediate Latin I
3.00 credit hours
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.
Prerequisites: LAT 131, LAT 132, LAT 131/132 or placement by examination

LAT 232 Intermediate Latin II
3.00 credit hours
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.
Prerequisites: LAT 131, LAT 132, LAT 131/132, LAT 231, or placement by examination

LAT 235 Intensive Intermediate Latin
6.00 credit hours
LAT 235 Intensive Intermediate Latin Six credit hours This intensive course covers Intermediate Latin I and Intermediate Latin II in one semester. It continues to build proficiency in reading classical Latin by emphasizing vocabulary and more complex features of Latin syntax. More authentic texts representing various genres will be used to study Roman culture.

LAT 489 Topics in Digital Storytelling
3.00 credit hours
LAT 489: Topics in Digital Storytelling One, Two, or Three credit hours This course examines digital storytelling within a topical context. Students both study digital narratives and learn how to create their own digital narratives within the context of the course topic. May be repeated for credit so long as the topics are different. May be cross listed with other Digital Storytelling courses.

Law (LAW)

LAW 230 Introduction to Legal Studies
3.00 credit hours
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
3.00 credit hours
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).

Management (MGT)

MGT 333 Principles of Management
3.00 credit hours
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.
Prerequisites: MTH 131-137

MGT 334 Human Resources Management
3.00 credit hours
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.
Prerequisites: MGT 333

MGT 335 Leadership & Organizational Change
3.00 credit hours
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.
Prerequisites: MGT 333

MGT 336 Business Communication
3.00 credit hours
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.
Prerequisites: MGT 333

MGT 339 Small Business Management
3.00 credit hours
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
3.00 credit hours
MGT 432 Production Control Three credit hours Development of abilities to analyze and solve production problems and to formulate production policies. Introduction to quantitative techniques in production management.
Prerequisites: MGT 333

MGT 436 Organizational Behavior and Design
3.00 credit hours
MGT436 Organizational Behavior and Design Three Credit Hours An analysis of individual and group behavior and organizational structure from the perspective of goal-oriented managers.
Prerequisites: MGT 333

MGT 437 Special Topics in Management
3.00 credit hours
MGT 437 Special Topics in Management Three credit hours Permits groups of students and professor to explore areas not extensively covered in other courses. This course may be repeated for additional credit
Prerequisites: MGT 333 or consent of instructor

MGT 438 International Business
3.00 credit hours
MGT 438 International Business Three credit hours This course examines the unique problems faced by firms that engage in international operations. It is expected to provide students with a description and analysis of the mechanics of doing business abroad.

MGT 440 Total Quality Management
3.00 credit hours
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.
Prerequisites: MGT 333

Marketing (MKT)

MKT 331 Principles of Marketing
3.00 credit hours
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
3.00 credit hours
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.
Prerequisites: MKT 331

MKT 334 Principles of Retailing
3.00 credit hours
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.
Prerequisites: MKT 331

MKT 335 Fundamentals of Selling
3.00 credit hours
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.
Prerequisites: MKT 331

MKT 336 Retail Buying and Merchandising
3.00 credit hours
MKT 336 Retail Buying and Merchandising Three Credit Hours
This course examines the roles and responsibilities of buyers and merchandising managers that must balance (1) the needs of retailers, (2) objectives of vendors, and (3) the preferences of consumers. Consumer trends, inventory and retail store reports analysis, budgeting issues, assortment planning, merchandise displays and aids for merchandise controls and undertaken. The course is well suited to prepare students for careers as a vendor, buyer, or retailer of consumer goods and services.
Prerequisites: MKT 334

MKT 350 Consumer Behavior
3.00 credit hours
MKT 350 Consumer Behavior Three Credit Hours Study of the theories of consumer behavior with contributions from the social sciences. Explore the implications on human consumption, including decision - making factors that impact consumer purchasing patterns.
Prerequisites: MKT 331 or Consent of Department

MKT 355 Digital Markting
3.00 credit hours
MKT 355 Digital Marketing Three credit hours This course introduces the student to the general of internet marketing topics including online advertising, search, social media, and online privacy and policy implications. Course topics will also include ecommerce, ad effectiveness measurement, etc. There will be digital marketing strategy, implementation, and executional considerations for B2B and B2C brands and provide a detailed understanding of all digital channels and platforms. The student will learn how to create campaigns and the strategies and tactics in the most popular social media platforms, as generate reports and actions based on social media analytics.
Prerequisites: MKT 331 or permission of instructor

MKT 430 Marketing Channels
3.00 credit hours
MKT 430 Marketing Channels Three Credit Hours This course covers channels of distribution, from the Manufacturer (provider) to the wholesaler and retailer. Emphasis is placed on marketing decisions areas relating to the wholesaling and the overall flow of economic goods and services through these agents.
Prerequisites: MKT 331: MKT 334

MKT 431 Supply Chain Management
3.00 credit hours
MKT 431 Supply Chain Management Three credit hours This course provides a comprehensive study of the concepts, processes, and strategies used in the development and management of global supply chains. Supply-chain management (SCM) is a systems approach to managing the entire flow of information, materials, and services from raw material suppliers through factories and warehouses to the final end-customer. Specific topics include global supply chain management, procurement, electronic commerce, information technologies, and logistics activities. SCM represents a philosophy of doing business that stresses processes and integration.
Prerequisites: MKT 334

MKT 432 Managerial Marketing
3.00 credit hours
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.
Prerequisites: MKT 334

MKT 435 International Marketing
3.00 credit hours
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.
Prerequisites: MKT 331

Mathematics (MTH)

MTH 130 Introduction to College Mathematics
3.00 credit hours
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
3.00 credit hours
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
3.00 credit hours
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.
Prerequisites: MTH 131

MTH 133 Survey of Practical Applica of Math
3.00 credit hours
MTH 133: Survey of Practical Applications of Mathematics 3 credit hours This course explores practical applications of mathematics in daily life. Students are introduced to linear, quadratic, exponential, and logarithmic functions and some of their many applications. Students are exposed to fundamental principles of probability and descriptive statistics including regression. students also learn how to construct and interpret graphical representations of data. Boolean logic, Venn diagrams, and basic principles of mathematical finance are also covered. Word problems are used extensively to help develop problem-solving and critical-thinking skills that can be routinely applied in daily life. Whenever possible, technology (including calculators and software applications) are used to illuminate the concepts covered in the course and assist problem solving.
Prerequisites: MTH 130 or placement

MTH 134 Mathematics and Culture
3.00 credit hours
MTH 134 Mathematics and Culture Three credit hours This course explores how mathematics is expressed globally and how it is shaped in different societies (i. e. numbering systems, nature, patterns, art, customs, activities). The topic of Ethnomathematics will be highlighted.

MTH 135 Mathematics and Personal Finance
3.00 credit hours
MTH 135: Mathematics and Personal Finance 3 credit hours This course explores techniques in successful management of personal finances. Through application of mathematical and critical thinking skills and concepts, it encompasses a broad coverage of basic financial planning and decision making, taxes, managing savings, purchasing a home, the impact of credit, investments and saving for retirement.
Prerequisites: MTH 130 or placement

MTH 136 Introductory Statistics
3.00 credit hours
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.
Prerequisites: MTH 131 or by placement

MTH 137 Precalculus I
3.00 credit hours
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.
Prerequisites: MTH 131 or by placement or consent of Department

MTH 138 Precalculus II
3.00 credit hours
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.
Prerequisites: MTH 137 or by placement or consent of Department

MTH 231 Calculus I
3.00 credit hours
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.
Prerequisites: MTH 138 or by placement

MTH 232 Calculus II
3.00 credit hours
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.
Prerequisites: MTH 231

MTH 233 Mathematics and Speadsheets
3.00 credit hours
MTH 233 Mathematics and Spreadsheets Three Credit Hours This course explores how to use a spreadsheet to enter and analyze data, set up mathematical formulas, and use various mathematical, statistical, financial, and logical functions and formatting for calculating, forecasting, presenting, and integrating data.
Prerequisites: MTH 130 or placement; CSC 131 or equivalent
Liberal Studies Pillar: IG

MTH 311 Junior Seminar I
1.00 credit hours
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
1.00 credit hours
MTH 312 Junior Seminar II One credit hour This course continues the facilitation of the writing of the Senior Investigative Paper. It further enhances students' skills in developing mathematical research topics and the use of mathematical presentation tools.

MTH 330 Modern Geometry
3.00 credit hours
MTH 330 Modern Geometry Three credit hours Logical structure and use of Euclidean geometry. The relationship of Euclidean geometry to other geometries.
Prerequisites: Mathematics 231 or consent of Department

MTH 331 Calculus III
3.00 credit hours
Infinite sequences and series: parametric equations and polar coordinates; vextors and geometry of space; functions of several variables, limits, and continuity; partial dervatives; and applications.
Prerequisites: MTH 232

MTH 332 Calculus IV
3.00 credit hours
MTH 332 Calculus IV Three credit hours Multiple integration; cylindrical and spherical coordinates; vector fields; line integrals; and Green's theorem in the plane. Surface area and surface integrals. Divergence Theorem.
Prerequisites: MTH 331

MTH 333 Probability & Statistics I
3.00 credit hours
MTH 333 Probability and Statistics I Three credit hours Elementary data analysis techniques, elements of probability theory, and analysis of random variables.
Prerequisites: Mathematics 232 or consent of the Department

MTH 334 Probability & Statistics II
3.00 credit hours
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.
Prerequisites: Mathematics 333 or consent of the Department

MTH 335 Introductory Abstract Algebra
3.00 credit hours
MTH 335 Introductory Abstract Algebra Three credit hours Elementary set theory and logic. Mappings, groups, rings, integral domains, fields, and polynomials.
Prerequisites: Mathematics 231 or consent of Department

MTH 336 Introductory Linear Algebra
3.00 credit hours
MTH 336 Introductory Linear Algebra Three credit hours Systems of linear equations, vector spaces, linear transformations, theory and applications of matrices and determinants.
Prerequisites: MTH 231 or consent of department

MTH 337 Mathematics for Elem Sch Teachers I
3.00 credit hours
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. Three lectures per week.
Prerequisites: MTH 132

MTH 338 Math For Elem School Teachers II
3.00 credit hours
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. Three lectures per week.
Prerequisites: MTH 337

MTH 339 Advanced Linear Algebra
3.00 credit hours
MTH 339 Advanced Linear Algebra Three credit hours This course evaluates eigenvalues, eigenvectors, diagonalization, symmetric matrices, linear transformations, kernel and range, inverse linear transformations, similarity, applications in: differential equations, geometry, least squares fitting to data and approximation problems, Fourier series, quadratic forms, LU-decomposition, approximating eigen values, complex numbers, modules, complex conjugates, complex vector spaces, and unitary and normal and Hermitian matrices
Prerequisites: MTH 336

MTH 362 Applications of Mathematics
3.00 credit hours
MTH 362 Applications of Mathematics Three credit hours This course is designed to cover various applications of mathematics including topics of finance, sets, and Venn diagrams, basic logic; permutations and combinations; mathematics in art and music; spreadsheets; problem solving/critical thinking (including games and puzzles); number systems; and math and culture.
Prerequisites: MTH 232

MTH 411 Senior Seminar I
1.00 credit hours
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.
Prerequisites: Consent of the department

MTH 412 Senior Seminar II
1.00 credit hours
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.
Prerequisites: Consent of the department

MTH 414 Prep for Standardized Testing
1.00 credit hours
MTH 414 Preparation for Standardized Testing One credit hour Preparation for standardized tests such as MFAT, subject GRE, and Praxis II-Mathematics Content. Topics include test anxiety and testtaking strategies, as well as a review of topics from math major courses.
Prerequisites: MTH 331, 333, 335, 336, and a declared Mathematics or Mathematics Education Major or consent of the Department
Corequisites: /

MTH 415 Independent Study in Mathematics
1.00 credit hours
MTH 415, 416 Independent Study in Mathematics One credit hour each In-depth study of areas of mathematics consistent with student interest and career objectives. Written reports are required.
Prerequisites: Advanced standing and consent of Department

MTH 416 Independent Study in Mathematics
1.00 credit hours
NULL

MTH 430 Topics in Analysis
3.00 credit hours
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.
Prerequisites: MTH 331 and 335

MTH 432 History and Foundations of Math
3.00 credit hours
MTH 432 History and Foundations of Math Three credit hours History of mathematics through creative problem solving. Set theory in the development of modem analysis algebra and geometry, proofs, techniques, and methods. Pioneers of mathematics.
Prerequisites: MTH 232

MTH 433 Mathematics for Scientists and Eng
3.00 credit hours
MTH 433 Mathematics for Scientists and Engineers Three Credit Hour Fundamental concepts and methods in applied mathematics. Topics covered include systems of linear equations and matrices, infinite series, complex numbers and variables, LaPlace transforms, differential and integral equations, Fourier Transforms, and Inverse Fourier Transforms. Applications in physics and engineering.
Prerequisites: MTH 336 and 434

MTH 434 Differential Equations I
3.00 credit hours
MTH 434 Differential Equations I Three credit hours Elementary techniques of solving ordinary differential equations. Applications in the biological and physical sciences. Three lectures per week.
Prerequisites: MTH 232

MTH 435 Transforms
3.00 credit hours
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.
Prerequisites: MTH 434

MTH 436 Differentials Equations II
3.00 credit hours
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
3.00 credit hours
MTH 437 Complex Variables Three credit hours Complex numbers, complex functions, and roots in the complex plane, transformation and linear mapping, limits and continuity, analytic and harmonic functions, Cauchy-Riemann equations, branches of functions, exponential and trigonometric functions, complex integrals, Taylor and Lauren series, singularities, zeroes and poles, residues, and definite integrals.
Prerequisites: MTH 331

MTH 438 Biostatistics
3.00 credit hours
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.
Prerequisites: MTH 231

MTH 439 Topics in Algebra
3.00 credit hours
MTH 439 Topics in Algebra Three credit hours Topics on semi-groups and groups, rings, integral domains, finite fields, modules over ring, and vector spaces over fields.
Prerequisites: MTH 335

MTH 442 Numerical Methods
3.00 credit hours
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. Three Lectures per week.
Prerequisites: MTH 232 and CSC 232

MTH 462 Topics in Number Theory
3.00 credit hours
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. Three lectures per week.
Prerequisites: MTH 335

MTH 490 Internship in Mathematics
3.00 credit hours
MTH 490 Internship in Mathematics Three credit hours A supervised internship in a professional environment that exposes the student to how mathematics is applied to solve real-world problems, as well as enabling students to interact with mathematicians in a setting other than the classroom. The student is required to formally present a detailed description of his/her experiences.
Prerequisites: Consent of the Department

MTH 492 Materials & Methods H School Math
3.00 credit hours
MTH 492 Materials and Methods in High School Mathematics Three credit hours The course acquaints students with pedagogical issues in teaching mathematics and enhances their ability to make decisions in a secondary school environment. The course fully supports the state and national standards for secondary school teachers in that it follows a curriculum that covers methods and strategies for teaching essential mathematical concepts to secondary school teachers.
Prerequisites: MTH 232, 335 and 336

MTH 494 Teaching Elementary Mathematics
3.00 credit hours
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 ommunity Block.
Prerequisites: Admission to Teacher Education

MTH 497 Special Topics in Mathematics
0.00 credit hours
MTH 497-498-499 Special Topics in Mathematics One, Two, or Three credit hours A course focusing on a specific topic designed to provide advanced study in an area of special interest in mathematics. The course serves as a restricted elective course and can be repeated upon Departmental approval.
Prerequisites: Consent of Department

MTH 498 Special Topics in Mathematics
3.00 credit hours
MTH 497-498-499 Special Topics in Mathematics One, Two, or Three credit hours A course focusing on a specific topic designed to provide advanced study in the area of special interest in mathematics. This course will serve as a restricted elective course and can be repeated upon departmental approval.
Prerequisites: Departmental approval

MTH 499 Special Topics in Mathematics
3.00 credit hours
MTH 499 Special Topcs - 1,2, or 3 credits 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.
Prerequisites: Departmental Approval

Music (MUS)

MUS 111 University Choir
1.00 credit hours
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 112 University Choir
1.00 credit hours
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 Piano (Individual)
1.00 credit hours
MUS 113-114 Piano (Individual) One credit hour Instruction to meet the needs of students at various stages of proficiency.

MUS 114 Piano (Individual)
1.00 credit hours
MUS 113-114 Piano (Individual) One credit hour Instruction to meet the needs of students at various stages of proficiency.

MUS 115 Voice(Individual)
1.00 credit hours
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 116 Voice
1.00 credit hours
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 Organ(Individual)
1.00 credit hours
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 118 Organ (Individual)
1.00 credit hours
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MUS 119 University Swing Choir
1.00 credit hours
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 Intro to African American Music
3.00 credit hours
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
3.00 credit hours
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
3.00 credit hours
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
3.00 credit hours
MUS 143 Music Theory I Three credit hours The integrated study of written theory and harmony, keyboard harmony, aural theory, analysis, and literature. Lecture: 3 hrs.; Lab: 2 hrs.
Prerequisites: demonstration of competencies in Music 132

MUS 144 Music Theory II
3.00 credit hours
MUS 144 Music Theory II Three credit hours A continuation of areas begun in Music 143. Lecture: 3 hrs.; Lab: 2 hrs.
Prerequisites: demonstration of competencies required in Music 143

MUS 162 Woodwind (Individual)
1.00 credit hours
MUS 162-163 Woodwinds (Individual) One Credit Hour A course fo the invididual and ensemble playing of technique exercises, scales, arpeggios, etudes, and compositions. Performance majors prepration for juries, senior recital, and other recitals. Check with private instructor for details as it relate to juries, recitals, and other performances.
Prerequisites: Permission of Music department

MUS 163 Woodwind (Individual)
1.00 credit hours
MUS 163 Woodwinds (Individual) One Credit Hour A course fo the invididual and ensemble playing of technique exercises, scales, arpeggios, etudes, and compositions. Performance majors prepration for juries, senior recital, and other recitals. Check with private instructor for details as it relate to juries, recitals, and other performances.
Prerequisites: Permission of Music department

MUS 164 Woodwind (Individual)
1.00 credit hours
MUS 164-165 Woodwind (Individual) One credit hour A course for the individual and ensemble playing of technique exercises, scales, arpeggios, etudes, and compositions. Performance majors' preparation for juries, senior recital, and other recitals. Check with private instructor for details as they relate to juries, recitals, and other performances.
Prerequisites: Permission of Music department

MUS 165 Woodwind (Individual)
1.00 credit hours
MUS 164-165 Woodwind (Individual) One credit hour A course for the individual and ensemble playing of technique exercises, scales, arpeggios, etudes, and compositions. Performance majors' preparation for juries, senior recital, and other recitals. Check with private instructor for details as they relate to juries, recitals, and other performances.
Prerequisites: Permission of Music department

MUS 166 Woodwind (Individual)
1.00 credit hours
MUS 164-165 Woodwind (Individual) One credit hour A course for the individual and ensemble playing of technique exercises, scales, arpeggios, etudes, and compositions. Performance majors' preparation for juries, senior recital, and other recitals. Check with private instructor for details as they relate to juries, recitals, and other performances.
Prerequisites: Permission of Music department

MUS 168 Woodwind (Individual)
1.00 credit hours
Woodwind (Individual) One Credit Hour A course for the individual and ensemle playing of technique exercises,scales,arpeggios,etudes, and compositions. Performance majors, Preparation for juries,senior recital, and other recitals. Check with private instructor for details as they relate to juries recitals and other performances. Permission of Music Department

MUS 180 Brass and Percussion Class
1.00 credit hours
MUS 180-182 Brass and Percussion Class One Credit Hour A course fo the invididual and ensemble playing of technique exercises, scales, arpeggios, etudes, and compositions. Performance majors prepration for juries, senior recital, and other recitals. Check with private instructor for details as it relate to juries, recitals, and other performances.
Prerequisites: Permission of Music department

MUS 182 Brass and Percussion Class
1.00 credit hours
MUS 180-182 Brass and Percussion Class One Credit Hour A course fo the invididual and ensemble playing of technique exercises, scales, arpeggios, etudes, and compositions. Performance majors prepration for juries, senior recital, and other recitals. Check with private instructor for details as it relate to juries, recitals, and other performances.
Prerequisites: Permission of Music department

MUS 183 Brass and Percussion Individual
1.00 credit hours
MUS 183-184 Brass (A) and Percussion (B) (Individual) One Credit Hour A course for the invididual and ensemble playing of technique exercises, scales, arpeggios, etudes, and compositions. Performance majors prepration for juries, senior recital, and other recitals. Check with private instructor for details as it relate to juries, recitals, and other performances. (Section A is for high brass and French Horns, Section B is for percussion and Section C if applicable).
Prerequisites: Permission of Music department

MUS 184 Brass & Percussion
1.00 credit hours
MUS 183-184 Brass (A) and Percussion (B) (Individual) One Credit Hour A course for the invididual and ensemble playing of technique exercises, scales, arpeggios, etudes, and compositions. Performance majors prepration for juries, senior recital, and other recitals. Check with private instructor for details as it relate to juries, recitals, and other performances. (Section A is for high brass and French Horns, Section B is for percussion and Section C if applicable).
Prerequisites: Permission of Music department

MUS 185 Brass and Percussion
1.00 credit hours
MUS 185-186 Brass (A) and Percussion (B) (Individual) One Credit Hour A course fo the invididual and ensemble playing of technique exercises, scales, arpeggios, etudes, and compositions. Performance majors prepration for juries, senior recital, and other recitals. Check with private instructor for details as it relate to juries, recitals, and other performances. (Section A is for high brass and French Horns, Section B is for percussion and Section C if applicable).
Prerequisites: Permission of Music department

MUS 186 Brass and Percussion
1.00 credit hours
MUS 185-186 Brass (A) and Percussion (B) (Individual) One Credit Hour A course fo the invididual and ensemble playing of technique exercises, scales, arpeggios, etudes, and compositions. Performance majors prepration for juries, senior recital, and other recitals. Check with private instructor for details as it relate to juries, recitals, and other performances. (Section A is for high brass and French Horns, Section B is for percussion and Section C if applicable).
Prerequisites: Permission of Music department

MUS 187 Brass & Percussion
1.00 credit hours
MUS 187-188 Brass (A) and Percussion (B) (Individual) One Credit Hour A course fo the invididual and ensemble playing of technique exercises, scales, arpeggios, etudes, and compositions. Performance majors prepration for juries, senior recital, and other recitals. Check with private instructor for details as it relate to juries, recitals, and other performances. (Section A is for high brass and French Horns, Section B is for percussion and Section C if applicable).
Prerequisites: Permission of Music department

MUS 188 Brass and Percussion
1.00 credit hours
MUS 187-188 Brass (A) and Percussion (B) (Individual) One Credit Hour A course fo the invididual and ensemble playing of technique exercises, scales, arpeggios, etudes, and compositions. Performance majors prepration for juries, senior recital, and other recitals. Check with private instructor for details as it relate to juries, recitals, and other performances. (Section A is for high brass and French Horns, Section B is for percussion and Section C if applicable).
Prerequisites: Permission of Music department

MUS 189 Brass and Percussion
1.00 credit hours
MUS 189-190 Brass (A) One credit hour and Percussion (B) (Individual) A course for the individual and ensemble playing of technique exercises, scales,arpeggios, etudes, and compositions. Performance majors preparation for juries,senior recital, and other recitals. Check with private instructor for details as it relate to juries, recitals, and other performances. (Section A is for high brass and French Horns, Section B is for percussion and Section C if applicable).
Prerequisites: Permission of Music department

MUS 190 Brass and Percussion (Individual)
1.00 credit hours
MUS 189-190 Brass- (A) One credit hour and Percussion (B) (Individual) A course for the individual and ensemble playing of technique exercises, scales, arpeggios, etudes, and compositions. Performance majors preparation for juries, senior recital, and other recitals. Check with private instructor for details as it relate to juries, recitals, and other performances. (Section A is for high brass and French Horns, Section B is for percussion and Section C if applicable).
Prerequisites: Permission of Music department

MUS 191 Brass and Percussion
1.00 credit hours
MUS 191-192 Brass (A) and Percussion (B) (Individual) One credit hour A study of the technique and repertoire of the chosen instrument. Check with private instructor for details as it relate to juries, recitals, and other performances. Senior Recital MUS 192 (Section A is for high brass and French Horns, Section B is for percussion and Section C if applicable).

MUS 192 Brass and Percussion
1.00 credit hours
MUS 191-192 Brass (A) and Percussion (B) (Individual) One credit hour A study of the technique and repertoire of the chosen instrument. Check with private instructor for details as it relate to juries, recitals, and other performances. Senior Recital MUS 192 (Section A is for high brass and French Horns, Section B is for percussion and Section C if applicable).

MUS 210 University Marching Band
1.00 credit hours
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
1.00 credit hours
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
1.00 credit hours
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 Piano (Individual)
1.00 credit hours
MUS 213-214 Piano (Individual) One credit hour Additional technique and repertoire materials.

MUS 214 Piano (Individual)
1.00 credit hours
MUS 213-214 Piano (Individual) One credit hour Additional technique and repertoire materials.

MUS 215 Voice
1.00 credit hours
MUS 215-216 Voice (Individual) One credit hour Continuation of Voice 115-116

MUS 216 Voice
1.00 credit hours
MUS 215-216 Voice (Individual) One credit hour Continuation of Voice 115-116

MUS 217 Organ(Individual)
1.00 credit hours
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 218 Organ (Individual)
1.00 credit hours
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
1.00 credit hours
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.)
Prerequisites: Consent of instructor

MUS 220 Opera/Musical Theatre Workshop
1.00 credit hours
MUS 220 Opera/Musical Theatre Workshop One credit hour This course is designed to introduce vocal students to opera and musical theater repertoire, with a focus on music preparation, character analysis, performance skills, acting, and singing techniques that aid the singing-actor in the dramatic presentation of all forms of lyric theater. The class will culminate in a program of semi-staged and costumed operatic and musical theater excerpts. Vocal performance students must take two credit hours.
Prerequisites: Audition only

MUS 229 Composition with Technology
2.00 credit hours
NULL

MUS 232 Introduction To Music Technologies
3.00 credit hours
MUS 232- Introduction To Music Technologies Two credit hours Essential tools, concepts, and applications of music software and hardware for a wide range of musical activities, including composing, recording, notation, and pedagogy are explored, as well as basic acoustics and waveform theory. Each student produces projects and/or presentations demonstrating comprehension and musical application of the topic.
Prerequisites: MUS 143 or consent of instructor

MUS 243 Music Theory III
3.00 credit hours
MUS 243- Music Teory III Three credit hours Te advanced integrated study of the materials and literature of music. Open for music major and minor only.
Prerequisites: Demonstration of competencies required in Music 144

MUS 244 Music Theory IV
3.00 credit hours
MUS 244 Music Theory IV Three credit hours A continuation of areas begun in Music 243. Open for Music majors and minors only.
Prerequisites: Demonstration of competencies in Music 243

MUS 250 Vocal Diction Italian
2.00 credit hours
MUS 250-252 Vocal Diction (Formerly MUS 524) Two credit hours This course is an introduction to the International Phonetic Alphabet and its use in the pronunciation of texts. Students will receive up to six credit hours. MUS 250 (Italian-2 credits), MUS 251 (German-2 credits), MUS 252 (French-2 credits).
Prerequisites: MUS 143

MUS 251 Vocal Diction
2.00 credit hours
MUS 250-252 Vocal Diction (Formerly MUS 524) Two credit hours This course is an introduction to the International Phonetic Alphabet and its use in the pronunciation of texts. Students will receive up to six credit hours. MUS 250 (Italian-2 credits), MUS 251 (German-2 credits), MUS 252 (French-2 credits).
Prerequisites: MUS 143

MUS 252 Vocal Diction-German
2.00 credit hours
MUS 250-252 Vocal Diction (Formerly MUS 524) Two credit hours This course is an introduction to the International Phonetic Alphabet and its use in the pronunciation of texts. Students will receive up to six credit hours. MUS 250 (Italian-2 credits), MUS 251 (German-2 credits), MUS 252 (French-2 credits).
Prerequisites: MUS 143

MUS 255 Sight Singing/Ear Training I
2.00 credit hours
MUS 255 Sight Singing/Ear Training I Two Credit Hour A course in the rudiments of music reading and dictation. The course includes performance, aural recognition, and notation of melodies, rhythms, and traids.
Prerequisites: MUS 143

MUS 256 Sight Singing EarTraining II
2.00 credit hours
MUS 256 Sight Singing/Ear Training II Two Credit Hours This course offers continued training in the development of aural skills through sight-singing melodies, rhythm reading, interval, chord, and scale recognition, and melodic, rhythmic and harmonic dictation. Emphasis will be on diatonic melodies with larger leaps, moderately difficulty rhythms, and longer chord progressions using all diatonic triads and inversions.
Prerequisites: MUS 143, MUS 144 and satisfactory completion of MUS 255

MUS 312 Electro Acoustic Music Ensemble
1.00 credit hours
MUS 312 Electro-Acoustic Music Ensemble One Credit Hour Students and the instructor prepare musical works to be performed using electronic and computer enhanced instruments. Each student performs in at least one such work, representative of college-level musicianship and electro-acoustic art music. Enrollment for this course is limited to ten students. May be repeated for credit"
Prerequisites: Audition and consent of Music Area Coordinator for "ensemble credit

MUS 313 Piano (Individual)
1.00 credit hours
MUS 313-314 Piano (Individual) One credit hour Continuation of advanced techniques and literature. Open for Music majors and minors only.
Prerequisites: MUS 143

MUS 314 Piano (Individual)
1.00 credit hours
MUS 313-314 Piano (Individual) One credit hour Continuation of advanced techniques and literature. Open for Music majors and minors only.
Prerequisites: MUS 143

MUS 315 Voice (Individual)
1.00 credit hours
MUS 315-316 Voice (Individual) One Credit Hour Continuation of Voice 215-216
Prerequisites: Consent of Instructor

MUS 316 Voice (Individual)
1.00 credit hours
MUS 315 - 316 Voice (Individual) One credit hour Continuation of Voice 215-216.
Prerequisites: Consent of instructor

MUS 317 Organ (Individual)
1.00 credit hours
MUS 317-318 Organ (Individual) One credit hour Continuation of previous course.

MUS 318 Organ (individual)
1.00 credit hours
MUS 317-318 Organ (Individual) One credit hour Continuation of previous course.

MUS 321 Vocal Pedagogy
3.00 credit hours
MUS 321 Vocal Pedagogy- Three credit hours This is a course in the study of the teaching of voice. Students examine various teaching theories and schools of thought in vocal training.

MUS 322 Conducting
2.00 credit hours
MUS 322 Conducting Two credit hours A study of the technique of conducting instrumental and vocal groups.

MUS 323 Orchestration
2.00 credit hours
MUS 323 Orchestration Two credit hours A study of orchestral instruments and the practical study of the art of symphonic scoring.

MUS 324 Piano Pedagogy
2.00 credit hours
MUS 324 Piano Pedagogy Two credit hours This is a course in the study of teaching piano. Students examine various teaching theories and schools of thought in piano training.

MUS 325 Intro to Music Ministry
2.00 credit hours
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MUS 326 Song Literature
2.00 credit hours
MUS 326 Song Literature Two credit hours A study of vocal literature written from the Baroque Era through the twentieth century. This course examines English, French, German, and Italian art song and opera. The course examines materials on a rotating basis, so students may repeat the course for up to four credits.

MUS 327 Piano Literature
2.00 credit hours
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
2.00 credit hours
MUS 328 Instrumental Literature Two credit hours A study of instrumental literature written from the Baroque Era through the twentieth century. This course examines the literature written for solo instruments of the string, brass, percussion, and woodwind families. It also examines both accompanied and unaccompanied literature for solo instruments

MUS 329 Instrumental Pedagogy
2.00 credit hours
MUS 329 Instrumental Pedagogy Two credit hours This is a course in the study of teaching instruments. Students examine various teaching theories and schools of thought in the teaching of their respective instruments.

MUS 330 Symphonic/Chamber Music Literature
2.00 credit hours
MUS 330 Symphonic/Chamber Music Literature Two Credit Hours A study of 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 the orchestra and orchestra with solo instruments. This course will also examine the chamber music repertoire for various instrumental ensembles.

MUS 331 Intro to Music Business
3.00 credit hours
MUS 331 Introduction to Music Business Three credit hours Provides an overview of the major areas of music business, including music merchandising, music copyright, contracts, and licensing laws, as well as recording industry production and distribution, and artist management. Career options and development are also explored, and qualified music-business professionals and performers serve as guest speakers. Field trips (individual and groups visits) to music merchandising, recording studios, and other related music business sites are offered.

MUS 332 Survey of Electronic Music
3.00 credit hours
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. Emphasized 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
3.00 credit hours
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MUS 334 Hymnology
3.00 credit hours
MUS 334 Hymnology Three credit hours An in-depth examination of the music and texts of hymns of various styles and genres. Emphasizes performance practices of hymns; procedures for choosing hymns theologically and thematically compatible with liturgies; seasonal and special church services; musical analysis of selected hymn repertoires; and historical developments of congregational song to the present. Students present individual reports and papers on topics relating to the history and musical genres and styles of hymns.
Prerequisites: MUS 143 and 144

MUS 337 Music History and Literature
3.00 credit hours
MUS 337-338 Music History and Literature Three Credit Hours A general survey of develpment of music from primitive sources to the present day. These courses are designed for Music Majors.

MUS 338 Music History and Literature
3.00 credit hours
MUS 337-338 Music History and Literature Three Credit Hours A general survey of development of music from primitive sources to the present day. These courses are designed for Music majors.

MUS 355 Sight Singing/Ear Training III
2.00 credit hours
MUS 355 Sight Singing/Ear-Training III Two credit hour This course offers continued training in the development of aural skills through sight-singing diatonic and chromatic melodies, rhythm reading interval, chord and scale recognition, and melodic, rhythmic, and harmonic dictation. Emphasis will be on two- and three-part melodic dictation, more difficult rhythms, and chord progressions using all triads and sevenths with inversions.
Prerequisites: MUS 143, MUS 144 and satisfactory completion of MUS 255 and MUS 256

MUS 356 Sight Singing/Ear Training IV
2.00 credit hours
MUS 356 Sight Singing/Ear-Training IV Two credit hour This course offers continued training in the development of aural skills through sight-singing diatonic and chromatic melodies, rhythm reading interval, chord and scale recognition, and melodic, rhythmic, and harmonic dictation. Emphasis will be on two- and three-part melodic dictation, more difficult rhythms, and chord progressions using all triads and sevenths with inversions.
Prerequisites: MUS 143, MUS 144 and satisfactory completion of MUS 255, MUS 256 and MUS 355

MUS 365 Piano Accompanying
2.00 credit hours
MUS 365 Piano Accompany 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 400 Senior Recital
1.00 credit hours
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 satisfactory grade.

MUS 413 Piano (Individual)
1.00 credit hours
MUS 413-414 Piano (Individual) One credit hour Continuation of advanced technique and literature. Includes Senior Recital. Open for music majors and minors only.
Prerequisites: MUS 143

MUS 414 Piano (Individual)
1.00 credit hours
MUS 413-414 Piano (Individual) One credit hour Continuation of advanced techniques and literature. Includes Senior Recital. Open for music majors and minors only.
Prerequisites: MUS 143

MUS 415 Voice (Individual)
1.00 credit hours
MUS 415-416 (Individual) One Credit Hour Continuation of Voice 315-316 Includes Senior Rectical. Permission
Prerequisites: Consent of Instructor

MUS 416 Voice (Individual)
1.00 credit hours
MUS 415-416 Voice (Individual) Once Credit Hour Continuation of Voice 315-316. Includes Senior Recital. Prerequiste: Consent of Instructor.

MUS 417 Organ (Individual)
1.00 credit hours
MUS 417-418 Organ (Individual) One credit hour Continuation of previous course.

MUS 418 Organ (Individual)
1.00 credit hours
MUS 417-418 Organ (Individual) One credit hour Continuation of previous course.

MUS 423 Piano (Individual)
1.00 credit hours
MUS 423-424 Piano (Individual) Two credit hours Advanced study of technique and repertoire

MUS 424 Piano (Individual)
2.00 credit hours
MUS 423-424 Piano (Individual) Two credit hours Advanced study of technique and repertoire

MUS 425 Voice (Individual)
1.00 credit hours
MUS 425-426 Voice (Individual) One credit hour Advanced study of technique and repertoire.

MUS 426 Voice (Individual)
2.00 credit hours
MUS 425-426 Voice (Individual) One credit hour Advanced study of technique and repertoire.

MUS 427 Form and Analysis
2.00 credit hours
MUS 427 Form and Analysis Two credit hours A study of the small part forms through the larger part forms

MUS 428 Senior Seminar I
3.00 credit hours
MUS 428 Senior Seminar I Three Credit Hours The student will learn research methods and approaches appropriate to scholarly writing in music. He or she will initiate investigation of some aspect of music in accordance with that student's concentration and area(s) of interest, and will use that research to commence writing his or her Senior Investigative Paper.
Prerequisites: Senior standing and consent of instructor

MUS 429 Senior Seminar II
3.00 credit hours
MUS 429 Independent Study or Seminar Three credit hours The student will learn research methods and approaches appropriate to scholarly writing in music. He or she will initiate investigation of some aspect of music in accordance with that student's concentration and area(s) of interest , and will use the research to commence writing his or her Senior Investigative Paper.
Prerequisites: . Senior standing and consent of instructor.

MUS 432 Music in the School Curriculum
3.00 credit hours
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 secondary school is explored.

MUS 433 Vocal and Choral Methods
3.00 credit hours
MUS 433 Vocal and Choral Methods Three credit hours Study of the voice dealing with techniques of vocal production, vocal problems, vocal literature, and techniques for teaching voice to students and adults. Methods, materials, rehearsal techniques, administration, and other major choral problems are studied.

MUS 434 Instrumental Methods
3.00 credit hours
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
3.00 credit hours
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. Prerequiste: Consent of the Department

MUS 499 Special Topics
3.00 credit hours
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Natural Science (NSC)

NSC 110 Introduction to Lab Research
1.00 credit hours
NSC 110 Introduction to Laboratory Research One credit hour A brief introduction to the nature and practice of laboratory research in the natural sciences. The nature of scientific inquiry, the formulation of research questions, the role of the scientific literature, and laboratory record keeping are some of the topics covered. For elective credit only.

NSC 130 Introduction to College Science
3.00 credit hours
NSC 130 Introduction to College Science Three credit hours An overview of the content and processes of science. Focuses on process skills and basic science concepts. For elective credit only.

NSC 140 Studies in the Natural Sciences
4.00 credit hours
NSC 140- Studies in the Natural Sciences Four Credit Hours In this course students learn about selected areas of the natural science while being guided in the use of scientific procedure and the practice of scientific thinking to collect and analyze data related to selected phenomena. Professional ethics in science and technology is also discussed. This course meets in a classroom setting three hours per week, with up to an additional three hours per week in a lab setting.
Prerequisites: MTH 130 or placement in a higher math

NSC 218 Sophomore Seminar I
1.00 credit hours
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. One contact hour per week plus attendance at departmental seminars. Crosslisted as CHE 218-9 and BIO 218-9
Prerequisites: total of 8 hours from Biology, Chemistry or Physics or permission of department

NSC 219 Sophomore Seminar II
1.00 credit hours
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. One contact hour per week plus attendance at departmental seminars. Crosslisted as CHE 218-9 and BIO 218-9
Prerequisites: total of 8 hours from Biology, Chemistry or Physics or permission of department

NSC 220 Introduction to Lab Research/Instru
2.00 credit hours
NSC 220 Introduction to Laboratory Research Instrumentation Two credit hours Introduction to the operating principles, theoretical basis, and data interpretation skills related to selected laboratory instrumentation. Includes both lectures and labs. For elective credit only

NSC 310 Responsible Research Seminar
1.00 credit hours
NSC 310 Responsible Research Seminar One credit hour The ethical and practical considerations involved in conducting research. General ethical guidelines are developed and illustrated by case studies of scientific fraud drawn from the original literature. Other topics that may be covered are copyright infringement, proper crediting of work in publications, publication choices (paper, patent, etc.), animal and human subject use, and the impact of information technology on the responsible conduct of research.
Prerequisites: Consent of the Department

NSC 318 Junior Seminar I
1.00 credit hours
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. 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.
Prerequisites: Junior standing or permission of department

NSC 319 Junior Seminar II
1.00 credit hours
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. 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.
Prerequisites: Junior standing or permission of department

NSC 419 Senior Seminar II
1.00 credit hours
NSC 419 Senior Seminar II One credit hour Independent investigation into the selected topic of the Senior Paper. Emphasis is placed on the skills necessary to produce a written paper, typically in the format of a journal article, plus present a seminar on the SIP topic. Attendance at Natural Sciences Seminars is required. This is the final course in the Senior Investigative Paper Sequence.
Prerequisites: NSC 429 or consent of Department

NSC 429 Senior Seminar I
2.00 credit hours
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.
Prerequisites: NSC 329 or CHE 329 or BIO 329 or consent of department

Philosophy (PHI)

PHI 131 Introduction to Philosophy
3.00 credit hours
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
3.00 credit hours
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.
Prerequisites: PHI 131

PHI 234 Ethics
3.00 credit hours
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.
Prerequisites: PHI 131

PHI 337 Major Figures in Philosophy
3.00 credit hours
PHI 337 Major Figures in Philosophy Three Credit Hours An exploration of the thoughts and major works of prominent philosophical thinkers.
Prerequisites: PHI131

PHI 432 Seminar in Philosophy
3.00 credit hours
PHI 432 Seminar in Philosophy Three credit hours Advanced research on selected philosophical topics.
Prerequisites: permission of the instructor

Physical Education (PED)

PED 020 Beginner Tennis
2.00 credit hours
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
2.00 credit hours
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
2.00 credit hours
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
2.00 credit hours
PED 023 Advanced Beginner Swimming Two Credit Hours This is a swimming course designed to teach students basic swimming skills. *This course satisfies the Liberal Studies Requirement.
Prerequisites: PED 022 or must be able to swim 30 feet on the back and front, or permission of the instructor

PED 024 Intermediate Swimming
2.00 credit hours
PED 024 Intermediate Swimming Two credit hours This course provides the student with the opportunity to develop a high level of proficiency in the American crawl, back crawl, and elementary backstroke.
Prerequisites: PED 023 or permission of the instructor

PED 025 Intermediate Tennis
2.00 credit hours
PED 025 Intermediate Tennis Two credit hours This course affords the student the opportunity to develop more advanced strokes such as the volley, overhead shot, drop shot, and lob. It also allows the student to be in actual dual match competition in a smaller class setting. *This course satisfies the Liberal Studies requirement.
Prerequisites: PED 020 or permission of the instructor

PED 026 Adapted Physical Education
2.00 credit hours
PED 026 Adapted Physical Activity Two credit hours This is a course in conditioning and sport activities designed for those with temporary or permanent physical disabilities that prevent participation in regular activity classes. A student must have permission from a physician before participating in this course. *The course satisfies the Liberal Studies requirement.

PED 120 Weight Training
2.00 credit hours
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
2.00 credit hours
PED 121 Outdoor Pursuits Two credit hours The purpose of this course is to enhance students 'knowledge of several outdoor, recreational, and physical activities such as hiking, canoeing, cycling, Nordic skiing, alpine skiing, and skin diving.

PED 122 Volleyball & Softball
2.00 credit hours
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.

PED 123 Basketball & Soccer
2.00 credit hours
PED 123 Basketball and Soccer Two credit hours This course is designed to introduce the student to the basic skills, strategies, and rules of basketball and soccer.

PED 124 Team Sports
2.00 credit hours
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 & Dance
2.00 credit hours
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
2.00 credit hours
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
2.00 credit hours
PED 127 Recreational Games Two credit hours This course is designed to introduce the student to skills, strategies, and rules of a variety of lifetime sports such as bowling, shuffleboard, handball, badminton, track and field, and archery. The activities offered are determined each semester the course is offered. *The course satisfies the Liberal Studies requirement.

PED 128 Yoga, Stress Management & Relaxatio
2.00 credit hours
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
2.00 credit hours
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
Prerequisites: for this course

PED 130 Argentine Tango
3.00 credit hours
PED 130 Argentine Tango Dance Three Credit Hours This course will focus on the basics of the Argentine Social Dance known as Tango, and the physical conditioning required to participate in it. It will include the history and roots of the music and the dance. It will also address the etiquette and customs that surround the social dance. No
Prerequisites: are required

PED 131 Aerobic Fitness
3.00 credit hours
PED 131 Aerobic Fitness Three credit hours This course incorporates the basic principles of cardiovascular conditioning through low and high impact moves and intensities. Classes will include kickboxing, boot camp, step aerobics, and circuit training, combined with stretching, muscle toning and abdominal work. This course will be part lecture and part activity to promote overall physical fitness and wellness. Students will learn to participate in aerobic combinations helping to improve their cardiovascular system, have a better understanding of weight control, determine their body composition and current cardiorespiratory and muscular fitness levels, and select a safe and appropriate aerobic program. This course satisfies the Foundation requirement in the Liberal Studies Program.

PED 135 Rhythm and Dance
3.00 credit hours
Rhythm and Dance Three Credit Hours This course will focus on introducing all levels of students to the practical understand of and participation in various dance forms and creative movement. It will encourage positive self/body awareness, promoting health and encouraging the development of cognitive and intuitive skills as well as increased well –being Finally, it will increase students' global awareness of the role of dance in culture through writing and analysis. This course is accessible for all levels of movers. Prior dance experience is not a This will satisfy the Visual, Performing, and Physical Arts Pillar.
Prerequisites: for this course

PED 136 Physical Fitness and Wellness
3.00 credit hours
PED 136 Physical Fitness and Wellness Three credit hours This course is designed for students to participate in physical activity. It involves the interaction and participation of aerobic fitness and conditioning exercises that emphasize cardiovascular endurance, muscular endurance, muscular strength, body composition, flexibility and stress management through yoga practice. The course promotes healthy living that encompasses wellness and science-based approach towards the field of nutrition, exercise, health promotion and disease prevention. This course satisfies the Foundation requirement in the Liberal Studies Program.

PED 138 Yoga: Union of Mind and Body
3.00 credit hours
PED 138 Yoga: Union of Mind & Body Three Credit Hours This course will explore the many dimensions of yoga. Students are introduced to the ancient discipline of personal development that balances body, mind, and spirit. It has three components: an introduction to the history, practice and philosophy of classical yoga & its goals which students explore through study of anatomy & physiology, reading and inquiry; stress management methods; practice of Hatha yoga postures, focused breathing and various forms of medication.

PED 224 Methods of Teaching Dance
2.00 credit hours
The techniques of teaching and learning the methods and techniques of teaching rhythm and dance. (Formerly PED 224 DANCE)

PED 230 Foundations of Physical Edu & Sport
3.00 credit hours
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
3.00 credit hours
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 234 Sport Skills & Techniques
3.00 credit hours
PED234 Sport Skills and Techniques Three Credit Hours This course will introduce students to the fundamentals of instructing sports techniques and skills in an instructional setting. The course will expose students to dual, individual, and team sports. It will also enable students the opportunity to learn and apply the rules of each sport in a practical setting.

PED 235 SPORTS OFFICIATING
3.00 credit hours
PED 235 Sports Officiating Three 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 236 Theory and Practice of Coaching
3.00 credit hours
PED 236 Theory and Practice of Coaching Three 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 237 Introduction to Athletic Training
3.00 credit hours
This course is intended to introduce students to the profession of athletic training and sports medicine; The history and development of the profession and the concept of the sports medicine team, function, career opportunities and professional standards of the national (NATA), as well as medical terminology. Students will be required to complete a 50 hour clinical observation.

PED 238 Introduction to Exercise Science
3.00 credit hours
This course gives an overview of the foundation of exercise science and the professions in physical education and sport. The course is designed to enable the students to understand the exercise sciences as fields of academic study and programs as well as professional applications. In addition, this course enables students to discriminate among these contexts and relate them by applying relevant knowledge and appropriate theoretical perspectives. It also explores the foundation of exercise physiology and how the cardiovascular, metabolic and neuromuscular systems respond during exercise.

PED 239 Exercise Prescription
3.00 credit hours
This course provides students with the recommendations and rationale necessary to design fitness programs for healthy adults and special populations. In addition, the course will explore the application of specificity, overload, and progression as well as provide an overview of acute program variables, changes made in a program, selection of exercises, how to determine frequency, and exercise sequence. Students will learn exercise program design based on underlying principles and concepts developed for very specific training goals and match these goals with the necessary program design to achieve desired results. The course also addresses how to add variation to a training program with weight loads, repetitions and sets, intensity, volume, and rest period lengths. (3 credits) **
Prerequisites: PED 126 (Physical Fitness)

PED 310 Independent Study
3.00 credit hours
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 320 Independent Study
3.00 credit hours
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 330 Independent Study
3.00 credit hours
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
3.00 credit hours
PED 332 Kinesiology and Biomechanics Three credit hours This course reinforces student knowledge of anatomy and provides the student with the opportunity to develop competencies essential to analyzing physical activity performance. A laboratory experience is included. (Prerequisite for BIO 240 is BIO 142 or 143.)
Prerequisites: BIO 240

PED 335 Methods & Materials of Tech Pre-Sch
3.00 credit hours
PED 335 Methods and Materials of Teaching Pre-School Through Three Credit Hours 6th Grade Physical Education 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
3.00 credit hours
PED 336 Adapted Physical Education Pedagogy Three Credit Hours This course is designed to provide the student 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 338 Junior Seminar
3.00 credit hours
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 341 Measurement & Evaluation in HP
3.00 credit hours
PED 341 Measurement and Evaluation in Human Performance Three Credit Hours This course is designed to develop an understanding of measurement and evaluation concepts of health and human performance, with a special focus on the analysis and interpretation of data in different environments.
Prerequisites: MTH 132

PED 431 Met & Mat Teach Gr 7-12 Gr PE
3.00 credit hours
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.
Corequisites: EDU 312 (must be taken concurrently)

PED 432 Exercise Physiology
4.00 credit hours
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. BIO 143 or permission of the instructor.
Prerequisites: BIO 240 and PED 332 (can be taken concurrently)

PED 437 Athletic Injury Care and Prevention
3.00 credit hours
PED 437: Athletic Injury Care and Prevention Three credit hours This course provides an introduction to the care and prevention of athletic injuries. Topics covered include: pathology of injury, injury recognition and evaluation, care and treatment of injuries, protective equipment, environmental concerns, nutrition, psychological considerations, and administration as related to the practice of providing athletic care. A laboratory experience is included.
Prerequisites: BIO 143;
Prerequisite or Corequisite: BIO 240

PED 438 Program Design in Fitness & Wellnes
3.00 credit hours
PED 438 Program Design in Fitness & Wellness Three Credit Hours This course gives stsudents the basic skills necessary to develop and implement fitness and wellness programming for health clubs, implement fitness and wellness programming for health clubs, recreation facilities, YMCAs, and Boys and Girls Clubs. Emphasis is replaced on management, programming, and leadership procedures specifically for the fitness and wellness professional. Students receive detailed insight on how to design and monitor programs that are safe and effective for all individuals. Students demonstrate both a thorough understanding and pratical application of exercise theorgy, training effects, program design, and assessment procedures of fitness and wellness programming.
Prerequisites: PED 239

PED 490 Special Topics in PE/SPM
3.00 credit hours
PED 490 Special Topics in Physical Education and Sport Management One, Two or 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
4.00 credit hours
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.
Prerequisites: A grade of C or higher in Math 138 or consent of the Department

PHY 242 General Physics
4.00 credit hours
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.
Prerequisites: A grade of C or higher in PHY241 or consent of the Department

PHY 243 Mechanics
4.00 credit hours
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.
Prerequisites: A grade of C or higher in Math 231 or consent of the Department

PHY 244 Electrodynamics
4.00 credit hours
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.
Prerequisites: A grade of C or higher in PHY243 and Math 232 or consent of the Department

PHY 330 Laboratory Electronics
3.00 credit hours
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. One hour of lecture and three hours of laboratory a week.
Prerequisites: Consent of department

PHY 331 Introductiion to Modern Physics I
3.00 credit hours
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.
Prerequisites: PHY 244

PHY 332 Introduction to Modern Physics II
3.00 credit hours
PHY 332 Introduction to Modern Physics II Three credit hours Radioactivity, disintegration of nuclei, fission and fusion, nuclear processes, fundamental particles, and accelerators.
Prerequisites: PHY 331

PHY 344 Waves and Optics
4.00 credit hours
PHY 344 Waves and Optics Four credit hours A study of waves, acoustics, and optics. Three lectures and four hours of laboratory a week.
Prerequisites: PHY 243

PHY 345 Biophysics
4.00 credit hours
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. Three lectures and four hours of laboratory a week.
Prerequisites: PHY 241-242 and BIO 143

Political Science (POL)

POL 100 Introduction to Political Science
3.00 credit hours
POL 100- Introduction to Political Science Three Credit Hours This course is an intro-level Political Science course and is designed to be the first exposure to Political Science for students-majors as well as non-majors. It is an introduction to the study of political behavior, processes and institutions. Course includes a discussion and comparison of political ideas, theories, systems and policies. Focus on analysis of political problems on a national and global level, as well as a definition of central concepts. This course is proposed to accommodate the new Liberal Studies program under the pillar Social and Behavioral Sciences. This course will be offered in multiple sections every semester, with no Prerequisites: .

POL 131 American Government
3.00 credit hours
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 Intro to Political Analysis
3.00 credit hours
POL-230 Intro to Political Analysis Three Credit Hours An introductory study and application of the concepts and methods necessary for an analysis of the political system. (Fall Semester Only)
Prerequisites: POL 131 or permission of instructor

POL 231 State and Local Politics
3.00 credit hours
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 settings of state and local governments in the American federal system. Topics include intergovernmental relations, fiscal problems, and services delivery. (Offered in alternate years).
Prerequisites: POL 131, POL 230 or permission of instructor

POL 235 Contemporary African Politics
3.00 credit hours
POL 235- Contemporary African Politics. Three Credit Hours Contemporary African Politics: This course provides an overview of African politics in historical context, synthesizing material from traditional Comparative and area studies that examine democratization, economic Comparative and area studies that examine democratization, economic Development, and identity politics. This course also examines Africa's position in a broader international framework by addressing conflict, political economy. And the processes of state division and integration. This course is three credit Hours and will be offered as an elective in alternate years. This course also Requires no Prerequisites: .

POL 330 Public Administration & Management
3.00 credit hours
POL 330 Public Administration and Management Three Credit Hours A study of the formulation of public policy, organization, management and problems of personnel and finance. Prerequiste: POL 131. (Offered in alternate years).

POL 331 Law and Politics
3.00 credit hours
POL 331 Law and Politics Three credit hours This course is an introduction to the American legal system, focusing on its political context and significance. It sketches the structure and functioning of the federal court system, and then explores the courts 'impact on individuals who seek to vindicate their rights through litigation and on those who become involved with the criminal justice system. Special attention is devoted to the history and role of the legal profession in America. (Offered in alternate years)

POL 332 Third World Politics
3.00 credit hours
POL 332 The Developing World Three credit hours A study of the politics and problems of selected countries in Africa, Asia, and Latin America. Topics include social and economic development strategies of poor countries, South-South cooperation, and North-South relations. (Offered in alternate years)

POL 333 Comparative Political Systems
3.00 credit hours
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. (Spring Semester).
Prerequisites: POL 131

POL 334 International Relations
3.00 credit hours
POL 334- International Relations Three Credits An analysis of the international political system, including the distribution of power among states in the international systems the manner in which states try to increase their capabilities, and the various mechanisms for conflict adjustment. (Fall Semester Only)

POL 335 Political Theory
3.00 credit hours
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. Offered in alternate years. (Spring Semester).
Prerequisites: POL 131

POL 339 Black Political Thought
3.00 credit hours
POL-339 Black Political Thought Three Credit Hours A study of devolpment of Back political thought in the U.S. The course is designed to critically examine and evaluate various themes. perspectives, and approached in Back 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
3.00 credit hours
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. (Spring Semester).
Prerequisites: Statistics (MTH 136 or SSC 233); POL 131

POL 430 Women in Politics
3.00 credit hours
POL 430 Women in Politics Three Credit Hours This course is an exploration of historical and contempary women's political issues and the ways in which women articulated key issues both globally and domestically, mobilized and empowered themselves along with their communities to address those issues. Throughout this course different theoretical and methodological framework will be used to explain women's socioeconomic status, their relationship to the state and the impact of public policies on their lives and their communities. (Offered in alternate years)

POL 431 Policy Analysis
3.00 credit hours
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.
Prerequisites: POL 131 and POL 230

POL 432 Seminar in American Politics
3.00 credit hours
POL 432 Seminar in American Politics Three credit hours An in-depth study of selected institutions and processes in American politics, such as Congress, the Presidency, political parties, and the electoral process. (Offered in alternate years)

POL 433 International Organization
3.00 credit hours
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 Constitutional Law I
3.00 credit hours
POL 434- Constitutional Law I Three Credit Hours This course surveys the historical development of American constitutionalism from its beginnings until 1900. Emphasizes the framing of the Constitution and different approaches to its meaning the origins and rationale of judicial review; evolving doctrines of judicial self-limitation; and early cases on race relations. (Offered in alternate years)

POL 435 Civil Rights & Civil Liberties
3.00 credit hours
POL 435 Civil Rights and Civil Liberties Three credit hours This course surveys modern Supreme Court cases in four subject areas: racial discrimination; gender discrimination; freedom of speech; and presidential powers. Selected students participate in a moot court exercise. (Offered in alternate years)
Prerequisites: POL 434 or permission of instructor

POL 436 Bureaucracy and Organizational Beh
3.00 credit hours
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
3.00 credit hours
POL 437 Foreign Policy Three credit hours A study of the foreign policy behavior of nation states with a critical investigation into its formulation and implementation. Special emphasis on American foreign policy

POL 438 Seminar in Political Theory
3.00 credit hours
POL 438 Seminar in Political Theory Three credit hours This course is an upper-level Political Science elective course and is designed for Political Science juniors and seniors who are either concentrating on Political Theory as a subfield or seeking a more challenging and focused course in Political Theory. This course will examine Contemporary Political Theory, American Political Thought or Democratic Theory in turn (Offered in alternate years)

POL 439 Internship
3.00 credit hours
POL 439 Internship Three Credit Hours A supervised internship in a professional work environment designed to give students practical experience as well as knowledge and skills in a relevant professional field. Students are responsible for a minimum of 120 hours of work and must complete a paper on their work activities and experiences. (May be repeated up to 12 credit hours in total).

POL 491 Special Topics in Political Science
3.00 credit hours
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 credits hours.

POL 499 Senior Paper
3.00 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.

Pscyhology (PSY)

PSY 131 General Psychology I
3.00 credit hours
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 Psychology
3.00 credit hours
PSY 132 Research in Psychology Three Credit Hours A survey of research - based studies that have had a profound influence on the field of psychology. This course emphasizes the use of 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.
Prerequisites: A grade of C or better in Psy 131

PSY 230 Psychology of the Exceptional
3.00 credit hours
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)
Prerequisites: PSY 131

PSY 231 Psychology of Adjustment
3.00 credit hours
PSY 231 Psychology of Adjustment Three credit hours This course will provide an overview of the major theories, concepts and principles in Psychology that can be applied to issues of personal and social adjustment. Three credit hours.
Prerequisites: PSY 131 or Permission of Instructor

PSY 233 Descriptive & Predictive Statistics
3.00 credit hours
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).
Prerequisites: CSC 131 and 6 hours of math, “C” or better

PSY 234 Inferential Statistics
3.00 credit hours
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)
Prerequisites: PSY 233, “C” or better
Corequisites: PSY 333

PSY 235 Psychology of Childhood
3.00 credit hours
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.
Prerequisites: PSY 131

PSY 237 Psychology of Adolescence
3.00 credit hours
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.
Prerequisites: PSY 131

PSY 239 Educational Psychology
3.00 credit hours
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.
Prerequisites: PSY 131

PSY 240 Development Through the Lifespan
3.00 credit hours
PSY 240 Development Through Lifespan Three Credit Hours This course offers a broad 9 overview of the field of Developmental Psychology, a scientific approach to studying change 10 across the lifespan. Specific domains of human development -- social, cognitive, cultural, 11 emotional, and physical development -- will be covered chronologically, from conception 12 through death. This course will cover eleven life stages: Prenatal Development, Infancy, 13 Toddlerhood, Early School Age, Middle Childhood, Early Adolescence, Later Adolescence 14 (Emerging Adulthood), Early Adulthood, Middle Adulthood, Later Adulthood, and Elderhood 15 (Older Adulthood).
Prerequisites: PSY 131

PSY 330 Psychology of Learning
3.00 credit hours
PSY 330 The Psychology of Learning Three credit hours A study of the facts and theories of human and animal learning.
Prerequisites: PSY 131

PSY 331 Black Psychology
3.00 credit hours
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 332 Health Psychology
3.00 credit hours
PSY 332 Health Psychology Three credit hours Health psychology is a rapidly emerging field of basic and applied research that utilizes principles of psychology to impact health and illness across the lifespan. Health psychology seeks to elucidate the role that behavior and its physiologic concomitants play in the etiology, treatment, and prevention of disease. Specific topics addressed include behavioral, psychosocial, and neuropsychological correlates of chronic diseases such as asthma, cancer, diabetes, multiple sclerosis, hypertension, and other cardiovascular diseases; the physiology and management of chronic pain; psychoneuroimmunology and behavioral influences on infectious diseases (i.e., HIV/AIDS and the common cold); and sleep-related health consequences.
Prerequisites: PSY 131

PSY 334 Quantitative & Qualitative Resch Me
3.00 credit hours
PSY 334 Quantitative and Qualitative Research Methods Three credit hours Builds on and extends knowledge gained in PSY 333 by examining each aspect of the research more intensely, leading to revising portions of the research. Reexamines the nature and organization of the research to determine whether it is best suited for a quantitative or qualitative approach, then reexamines supporting literature, theoretical perspectives, methods, procedures, analysis, and interpretation of expected results. Recommended as preparation for PSY 430.
Prerequisites: a grade of C or better in PSY 234 and 340

PSY 335 Selected Topics in Psychology
3.00 credit hours
PSY 335, 325, 315 Selected Topic in Psychology One, Two, or Three Credit Hours Exploration of special psychological topics. May be repeated.
Prerequisites: 15 credit hours in psychology or permissions of the instructor

PSY 336 Consumer Behavior
3.00 credit hours
PSY 336 Consumer Behavior Three credit hours A study of human behavior as it relates to the consumption of goods and the use and acceptance of service. The early history, growth, and recent trends in consumer psychology is incorporated into coverage of the characteristics of consumers and consumer decision-making. Occupations that apply psychological concepts to the study of consumer behavior are explored. (Co-listed as PUR 336)

PSY 337 Industrial/Organizational Psycholog
3.00 credit hours
PSY 337 Industrial/Organizational Psychology Three credit hours An examination of the knowledge and skills required to deal with problems of people at work. Topics include processes of communication, personnel selection and placement, training, motivation, evaluation, conflict reduction, performance enhancement, and job satisfaction.

PSY 338 Personality Theory
3.00 credit hours
PSY 338 Personality Theory Three credit hours An introduction to some of the major theories of personality and their implications for daily living. The contents and functions of personality theories are explored. The course reviews the writing of researchers/writers from the Psychoanalytic, Behavioral, Cognitive, Trait, and Humanistic perspectives. Methods of measuring personality functioning and promoting change are also examined.
Prerequisites: PSY 131

PSY 339 Principle Psychological Measurement
3.00 credit hours
PSY 339 Principles of Psychological Measurement Three credit hours An introduction to psychological testing that includes an exploration of the functions and origins of the area. Basic characteristics of assessment techniques such as the establishment of reliability and validity are studied. Students are introduced to some of the major psychological tests available today. Laboratory experience in test administration and interpretation is included.
Prerequisites: PSY 131

PSY 340 Experimental Research Methods
4.00 credit hours
PSY 340 Experimental Research Methods Four Credit Hours An introduction to the theory, methods, and techniques of experimental psychology. The goal is to introduce experimental methodology as both a research tool and as an aid for understanding and evaluating research. Further emphasis on mastering APA style, developing basic competence in following a research protocol, and using statistical software to analyze and interpret research results. Lecture: Three hours a week. Laboratory: Two hours a week.
Corequisites: PSY 234 or a grade of C or better in PSY 132

PSY 390 Women Race and Class
3.00 credit hours
PSY 390 Women Race and Class Three Credit Hours The Course is designed to provide an examination of the development and persistence of race, class, and gender issues in the United States. Close attention is given to the historical, cultural, political, economic, and social institutions and influences and their implications for a pluralistic society. These and other issues are discussed as they relate to each other and current issues.
Prerequisites: PSY 131 or permission of instructor

PSY 392 Physiological Psychology
3.00 credit hours
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.
Prerequisites: PSY 131

PSY 416 Independent Research in Psychology
1.00 credit hours
PSY 416, 426, 436 IndependentResearch in Psychology One, Two, or Three credit hours Independent investigation of topics of special interest. May be repeated.
Prerequisites: junior classification, 6 credit hours in Psychology, approval of faculty supervisor

PSY 426 Independent Research in Psychology
2.00 credit hours
PSY 416, 426, 436 IndependentResearch in Psychology One, Two, or Three credit hours Independent investigation of topics of special interest. May be repeated.
Prerequisites: junior classification, 6 credit hours in Psychology, approval of faculty supervisor

PSY 430 Senior Seminar I
3.00 credit hours
PSY 430 Senior Seminar I Three credit hours A collaborative group experience supplemented by individual sessions with faculty and an independent effort, all designed to aid seniors in the successful writing of a Senior Investigative Paper. At the end of the semester, the proposal is presented to the faculty and second reader and submitted as an application to the Institutional Review Board. 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
3.00 credit hours
PSY 431 Social Psychology Three Credit Hours Problems, concepts, and methods in the study of social interaction and interpersonal influence. (Co - Listed SOC 431).
Prerequisites: PSY 131

PSY 432 Abnormal Psychology
3.00 credit hours
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.
Prerequisites: PSY 131 or permission of instructor

PSY 433 Internship in Psychology
3.00 credit hours
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
3.00 credit hours
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.
Prerequisites: PSY 131

PSY 435 Theoretical Psychology
3.00 credit hours
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.
Prerequisites: PSY 131

PSY 436 Independent Research in Psychology
3.00 credit hours
PSY 416, 426, 436 IndependentResearch in Psychology One, Two, or Three credit hours Independent investigation of topics of special interest. May be repeated.
Prerequisites: junior classification, 6 credit hours in Psychology, approval of faculty supervisor

PSY 437 Senior Seminar II
3.00 credit hours
PSY 437 Senior Seminar II Three credit hours Successful completion and public presentation of the research project proposed in PSY 430: Senior Seminar I. Students collect, analyze, and interpret data. Required of all psychology majors during the second semester of their senior year.
Prerequisites: Major credit for PSY 430

Public Leadership (PLS)

PLS 131 Introduction to Public Leadership
3.00 credit hours
The introductory course is designed to promote student understanding of the intricacy of the concept of leadership while creating meaningful and significant learning experiences. This course emphasizes the basic principles of leadership and infuses them into experience outside of classroom. Students will explore leadership practices through learning objectives in which includes support the foundational aspects of leadership. This course satisfies the Social and Behavioral Science pillar requirement in the Liberal Studies curriculum. No
Prerequisites: or requirements for this course

PLS 135 Principles of Mentoring
3.00 credit hours
PLS 135 Principles of Mentorship Three Credit Hours This course will explore various environments as socio-cultural artifacts. It will serve as an orientation to the mentorship and service and is designed for individuals interested in being involved in youth work. In particular, the course will examine issues and trends within education and other social service professions. Students will contemplate major theories of mentorship and service, as well as historic and contemporary philosophies on mentorship. Further, the course will provide a broad overview of social service professional trajectories, wherein students will learn about the roles of teachers, school leaders, as well as non-profit and social service manager. There are no
Prerequisites: or requirements for this course

PLS 231 Interpersonal Leadership Developmen
3.00 credit hours
This introductory course is designed to promote student understand of the intricacy of the concept of leadership while creating meaningful and significant learning experiences. This course is an interpersonal leadership journey of self-discovery; using a variety of self-assessments and reflections activities. Students will identify personal motivators, ethics, and values and the effects leadership practices. This course satisfies the pillar requirements in the Liberal Studies curriculum. There are no
Prerequisites: or requirements for this course

PLS 234 Personal Branding
3.00 credit hours
PLS 234 Personal Branding Three Credit Hours This course will assist students in developing fundamental concepts and theories of self-marketing, to include personal discovery, definition and leverage, brand creation, communication hooks and strategies, and brand perpetuation. This course will help students to focus on their individual skill sets and branding to pursue their desired career path.
Prerequisites: None

PLS 235 Global Leadership
3.00 credit hours
This course is designed to introduce students to key concepts and figures of leadership and lead ship development within an international context. As our world becomes more interconnected, it is increasingly important for students to know the leadership paradigms enacted in other nations as well as understand the profiles of some of the planet's most influential leaders of the present age. This course will take an in-depth look at notions such as emotional health; empowerment theory; organization communication; and the deity complex to examine contemporary figures of global import. This course is reading and writing intensive and may involve international travel. There are no
Prerequisites: or requirements for this course

PLS 236 Critical Thinking
3.00 credit hours
PLS 236 Critical Thinking: Strategies for Effective Learning Three Credit Hours This course is designed to enhance academic self-confidence and student achievement by developing critical and creative reasoning, providing strategies for persuasive communication, and introducing students to a variety of effective learning strategies. Students will use principles of deductive and inductive logic to evaluate and construct various forms of argument to be presented in both written and oral format.
Prerequisites: ENG 131 and RHC 133

PLS 331 Organizational Leadership Developme
3.00 credit hours
PLS 331 Organizational Leadership Development Three Credit Hours This course is designed to examine leadership as it relates to group and team behavior. Topics will focus on: components of a group and team, relationships of group and team members, effectiveness of groups and teams, communication in groups and teams, and leadership of groups and teams.
Prerequisites: PLS 231

PLS 332 Diversity Leadership in Organizat
3.00 credit hours
PLS 332 Diversity Leadership in Organizations and Communities This course provides tools for analysis of the dynamic interactions of personal characteristics, technical skills, interpersonal influence, commitment, goals, and power. This course also provides students with the capability to understand leadership within the public, non-profit, and community sectors infusing knowledge on cultural competencies. The course considers public leadership theory through the review of current literature, research, and case-studies in real- world contexts.
Prerequisites: PLS 231

PLS 430 Classic Figures and Theories
3.00 credit hours
PLS 430 Classic Figures and Theories in Leadership Three Hours This classic theories course is designed to help students understand the complexity of leadership and to develop within students an appreciation for the scholarly discipline of leadership theory.
Prerequisites: PLS 231

PLS 433 Ethical Leadership in a Changing
3.00 credit hours
PLS 433 Ethical Leadership in a Changing Landscape Three Credit Hours This course will investigate constructs such as morality and virtue, as well as their role and influence in the domain of ethics. Ethics, while about good and bad, right and wrong, provides a particular guidepost, compass or yardstick by which one can make judgements about expressed thoughts and behaviors.
Prerequisites: PLS 231 or PLS 232

Religion (REL)

REL 131 Survey of the Great Living Religion
3.00 credit hours
REL 131 Survey of the Great Living Religions Three credit hours A study of the world!s living religions, including those of Africa, in light of their historical development, beliefs, practices, and contemporary importance. Liberal Studies Pillar: IG

REL 132 Survey of the History of Christiani
3.00 credit hours
REL 132 Survey of the History of Christianity Three Credit Hours This course is a one-semester survey of key ideas and events in the development of Christianity as a global religion. Its purpose is not to be comprehensive, but to lay a foundation for more in-depth learning in upper-level courses.

REL 231 Introduction to the Old Testament
3.00 credit hours
REL 231 Introduction to the Old Testament Three Credit Hours This course is a survey of the literature of the Hebrew Bible with readings from the law, prophets and other writings. Emphasis is placed on the use of literary, methodologies that contemporary scholars use to understand Old Testament literature.

REL 232 Introduction to the New Testament
3.00 credit hours
REL 232 Intro to the New Testament Three Credit Hours This course is a survey of the literature of first-century Christianity with readings from the gospels, Acts, and the Pauline and pastoral letters. Topics include the literary structure, audience, and religious perspective of the writings, as well as the historical and cultural context of the early Christian community. Students are introduced to the critical methodologies that contemporary scholars use to understand New Testament literature.

REL 236 The History of Christianity in Amer
3.00 credit hours
REL 236 The History of Christianity in America Three Credit Hours Major aspects of Christian thought and institutions in the United States, from Colonial times to the present, with special refrence to the development of Afro-American churches.

REL 237 Religious Art and Visual Culture
3.00 credit hours
REL 237 Religious Art & Visual Culture Three Credit Hours An examination of religious artwork from ancient civilization to today. This course will examine the role and purpose of artwork through the ages as well as the social and cultural implications of the artwork.
Prerequisites: REL 131

REL 330 Blk Man: His Relig Instit & Thought
3.00 credit hours
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REL 331 Hist. & Theology of Black Church
3.00 credit hours
REL 331 History and Theology of the Black Church Three Credit Hours A review and analysis of the significant religious experiences unique to African American churches and the theology that developed out of the black church experience. Special attention is given to the African and European sources of African American Christianity, the social, political, spiritual, and cultural dynamics that influence religious expressions in the black church, and the development of approaches and processes to bring about justice and social change in response to systemic discrimination and the institutionalization of social barriers.
Prerequisites: REL 132

REL 332 Intro to Liberation Theology
3.00 credit hours
REL 332 Intro to Liberation Theology Three Credit Hours This course will explore Latin American Liberation Theology, Black Theology, Feminist Theology, Womanist Theology, and other theologies of liberation emanating from the developing countries of the world, through a careful reading of some of the most significant writings of the proponents of these movements.

REL 335 The Sociology of Religion
3.00 credit hours
REL 335 The Sociology of Religion Three Credit Hours This course explores religion from a social-scientific perspective, examining major theoretical explanations of religion, the social sources of religion, the nature of religion as a social institution, the interrelationships between religion and other aspects of social reality, such as culture, politics, economy, gender, race, and social class.

REL 337 Islam in America
3.00 credit hours
REL 337 Islam in America Three Credit Hours After a brief review of the emergence and development of Islam as a global religion, this course will explore the history of Islam in the United States, taking note especially of the relationship between global Islam and tge Nation of Islam, and the effects of post- September 11th "War on Terror" for the Islamic communities of the United States.
Prerequisites: REL 131

REL 430 Seminar in Religion
3.00 credit hours
REL 430 Seminar in Religion Three credit hours Advanced research on selected topics in religion.

Rhetoric (RHC)

RHC 130 African Diaspora Seminar
3.00 credit hours
RHC 130 African Diaspora Seminar Three Credit Hours This interdisciplinary seminar positioned within the University College Metacognitive Strengths theoretical framework surveys the African continent, its diasporas, as well as it explores intersectional connections of people of African descent globally. The purpose of the course is to introduce students to the historical, geopolitical, cultural, social, spiritual, and intellectual contours of Africa and its Diasporas. This culturally responsive curriculum provides students with foundational knowledge of Africana indigenous research methodologies, global Black philosophies, belief systems, social institutions, political movements, distinguished leaders, as well as an examination of the underpinnings of race-based systems that foster exclusionary practices, disparities, and inequities within African descendant communities worldwide. This seminar encourages students to expand their understanding of classical and modern African and African diaspora civilizations as well as explore their holistic selves and African heritage by enhancing their knowledge of their ethno-cultural genealogy and how it intersects with their other identities. The capstone project asks students to critically examine how a historical diasporic movement, event, or issue connects to a contemporary movement, event, or issue facing an African descendant group or communities.

RHC 133 Academic Research
3.00 credit hours
RHC 133 Academic Research Three credit hours This course introduces a variety of academic writing styles from various disciplines to develop rhetorical skills in writing clear, purposeful, and effective prose in an academic context. Students will learn how to develop an effective research question/thesis, conduct a literature review, compile an annotated bibliography and outline, and produce an APA-formatted research paper grounded in this research. The course focuses on developing analytical reading skills in an academic context, as well as critical thinking and written communication skills related to conceiving and executing an investigative research paper. Students must receive a grade of C or higher.
Prerequisites: ENG 131

RHC 296 Independent Study
3.00 credit hours
RHC 296,297, 298 Rhetoric & Culture Independent Study One to Three Credit Hours This course explores applied research projects, work experiences and structured courses of study in a specific area that the student's rhetorical skills, critical thinking, cultural competencies, and collaborative communication skills, particularly in the areas of communication, history, politics, English and foreign language, and global studies or ina multidisciplinary teams. Projects might include an introductory, international immersion experience, strategic work on a political awareness outreach, service as a speech lab mentored - scholar or faculty-led oral history project. May be repeated for a total of three credit hours as a general elective.

RHC 297 Independent Study
0.00 credit hours
RHC 296,297, 298 Rhetoric & Culture Independent Study One to Three Credit Hours This course explores applied research projects, work experiences and structured courses of study in a specific area that the student's rhetorial skills, critical thinking, cultural competencies, and collaborative communication skills, particularly in the areas of communication, history, politics, English and foreign language, and global studies or ina multidisciplinary teams. Projects might include an introductory, international immersion experience, strategic work on a political awareness outreach, service as a speech lab mentored - scholar or faculty-led oral history project. May be repeated for a total of three credit hours as a general elective.

RHC 298 Independent Study
0.00 credit hours
RHC 296,297, 298 Rhetoric & Culture Independent Study One to Three Credit Hours This course explores applied research projects, work experiences and structured courses of study in a specific area that the student's rhetorial skills, critical thinking, cultural competencies, and collaborative communication skills, particularly in the areas of communication, history, politics, English and foreign language, and global studies or ina multidisciplinary teams. Projects might include an introductory, international immersion experience, strategic work on a political awareness outreach, service as a speech lab mentored - scholar or faculty-led oral history project. May be repeated for a total of three credit hours as a general elective.

Smith Seminar (SMS)

SMS 100 Smith Seminar
3.00 credit hours
SMS 100 – Smith Seminar Three Credit Hours This course is designed to meet the needs of first year students at Johnson C. Smith University, including entering freshman as well as transfer students. The course aims to foster academic success, facilitate student engagement and connection with JCSU experience, and to prepare and assist students in their personal growth and development as they forge intellectual and professional identities. This course satisfies a foundation requirement in Liberal Studies curriculum.

Social Work (SWK)

SWK 234 Introduction to Gerontology
3.00 credit hours
SWK 234 Introduction to Gerontology Three credit hours This course offers a survey of biological, psychological, and social perspectives and research relevant to the study of human aging. In addition, students are introduced to concepts and entry-level skills that are applicable for human services to the elderly. (Co-listed as SOC 234). (Offered Alternate Semesters)

SWK 239 Introduction to Social Work
3.00 credit hours
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 300 Introduction to Cultural Competence
3.00 credit hours
SWK 300 Intro to Cultural Competence Three Credit Hours The purpose of Introduction to Cultural Competence is to develop a foundation for becoming culturally competent social workers for generalist practice. Throughout this course, students wll engage in personal and professional reflections of biases that influce social work practice. This course will focus on issues of diversity, oppression and empowerment in a range of client systems within the context of race, culture, class, gender, sexual orientation, age and difference. Ths course also examines issues of bias and generalizations of diverse, cultural groups. Students will develop skills in understanding cultural difference and utilizing the ecological perspective in working with diverse client systems.

SWK 330 Institution of Social welfare
3.00 credit hours
SWK 330 Institution of Social Welfare Three Credit Hours A study 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 331 Child Welfare: Policies & Practices
3.00 credit hours
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
3.00 credit hours
SWK 332 Social Welfare Policy Three credit hours An assessment of history, current issues, programmatic changes and choices that effect social welfare services. (Spring Semester).
Prerequisites: SWK 239

SWK 333 Social Workers in Clinical Settings
3.00 credit hours
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 Env I
3.00 credit hours
SWK 334 Human Behavior and the Social Environment I Three Credit Hours A course that examines human behavior from a normal perspective. Special emphasis on individuals' bio- psychosocial needs and the behavioral consequences when these needs are not met. Open to prospective Social Work Majors Only.
Prerequisites: The successful passage of SWK 239 with a C or better, SOC 131 and PSY 131

SWK 335 Human Behavior and the Social Envir
3.00 credit hours
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. SPRING SEMESTER.
Prerequisites: SWK 334

SWK 338 Special Topics
3.00 credit hours
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 340 Values and Ethics
3.00 credit hours
SWK 340 Social Work Values and Ethics Three credit hours The primary objective of this course is to prepare students to have a competent and comprehensive understanding of the ethics and values that guide professional social work practice. This course focuses on the ethical issues and dilemmas that confront professional social workers in practice with individuals, families, groups, agencies, and communities.

SWK 431 Social Work Research Methods
3.00 credit hours
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.
Prerequisites: SWK 239, PSY 233 or MTH 136

SWK 432 Social Work With Groups
3.00 credit hours
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.
Prerequisites: SWK 239 (Offered Fall Semester)

SWK 433 Social Work Practice I
3.00 credit hours
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. Social Work Seniors only. Fall Semester
Prerequisites: SWK 330, 334, 335, SOC 432, BIO 240, MTH 136 or PSY 233

SWK 434 Social Work Practice II
3.00 credit hours
SWK 434 Social Work Practice II Three Credit Hours This course emphasize 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. Social Work Seniors Only. Fall Semester.
Prerequisites: SWK 330, 334, 335, SOC 432, BIO 240, MTh 136 or PSY 233

SWK 436 Senior Investigative Paper I
3.00 credit hours
SWK 436 SENIOR INVESTIGATIVE PAPER I THREE CREDIT HOURS A course designed for the preparation of the core of the senior investigative paper. Social Work Seniors Only.
Prerequisites: MTH 136 or PSY 233, SWK 431

SWK 437 Community Organization
3.00 credit hours
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

SWK 438 Senior Investigative Paper II
3.00 credit hours
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. Open to Social Work seniors only.
Prerequisites: All general education requirements including MTH 136 or PSY 233 and the successful passage of SWK 239, SWK 330, SWK 332, SWK 334, SWK 335, SWK 279-431, SWK 433, and SWK 436 with a C or better
Corequisites: SWK 451and SWK 492

SWK 450 Social Work Seminar I
3.00 credit hours
SWK 450 Social Work Seminar I Three Credit Hours A course requiring students, as a team, to analyze and interpret problems, data, and assigned materials connect with field experiences in light of established concepts and practice principles previously learned. This course is open to Social Work Seniors only.
Prerequisites: All general education requirements and the successful passage of SWK 239, SWK 3330, SWK 332, SWK334, SWK 431 and SWK 433 with a C or better
Corequisites: SWK 491 and SWK 436

SWK 451 Social Work Seminar II
3.00 credit hours
SWK 451 Social Work Seminar II Three Credit Hours A course requiring students, as a team, to analyze and interpret problems, data, and assigned materials connected with field experiences in light of established concepts and practice principles previously learned. This course is open to Social Work seniors only.
Prerequisites: All general education requirements and the successful passage of SWK 239, SWK 330, SWK 332, SWK 334, SWK 431, SWK 433, SWK 491, and SWK 436 with a C or better
Corequisites: SWK 492 and SWK 438

SWK 491 Field Experience I
6.00 credit hours
SWK 491 Field Experience I Six Credit Hours A field placement course designed to help students acquire first-hand knowledge of social work practices in community agencies through active professional work experiences for two days a week in a pre-selected agency setting. This course will be offered during the fall semester only. This course is open for Social Work seniors only.
Prerequisites: All general education requirements including MTH 136 or PSY 233, and the successful passage of SWK 239, SWK 330, SWK 332, SWK 334, SWK 335, SWK 431, and SWK 433 with a C or better
Corequisites: are SWK 450 and SWK 436

SWK 492 Field Experience II
6.00 credit hours
SWK 492 Field Experience II Six Credit Hours A field placement course designed to help students acquire first hand knowledge of social work practices in community agencies through active professional work experiences for two days a week in a pre-selected agency setting. This course will be offered during the fall semester only.
Prerequisites: All general education requirements including MTH 136 or PSY 233, and the successful passage of SWK 239, SWK 330, SWK 332, SWK 334, SWK 335, SWK 431, SWK 433, SWK 436, SWK 438, and SWK 450 with a "C" or better
Corequisites: are SWK 451 and SWK 438, This course is open for Social Work seniors only

SWK 495 Seminar and Field Experience I
9.00 credit hours
SWK 495 Social Work Seminar and Field Experience I Nine Hours A course requiring students, as a team, to analyze and interpret problems, data, and assigned materials connected with field experiences in light of established concepts and practice principles previously learned. A field placement course designed to help students acquire first-hand knowledge of social work practices in community agencies through active professional work experiences for two days a week in a preselected agency setting. This course is offered during the fall only. This course is open to Social Work Seniors only.
Prerequisites: All general education requirements including MTH 136 or PSY 233 and successful completion of SWK 239, SWK 431, and SWK 433 with a "C" or higher
Corequisites: are SWK 436 and SWK 434

SWK 496 Field Experience & Sem II
9.00 credit hours
SWK 496 Field Seminar and Field Experience II 9 Credits A course requiring students, as a team, to analyze and interpret problems, data, and assigned materials connected with field experiences in light of established concepts and practice principles previously learned. A field placement course designed to help students acquire first-hand knowledge of social work practices in community agencies through active professional work experiences for three to four days a week in a pre-selected agency setting (15-18 hours weekly). This course will be offered during the spring semester only. This course is open to Social Work seniors only.
Prerequisites: All general education requirements including MTH 136 or PSY 233, and the successful completion of SWK 239, SWK 300, SWK 330, SWK 332, SWK 334, SWK 335, SWK 340, SWK 431, SWK 433, SWK 495 with a “C” or higher
Corequisites: are SWK 437

SWK 602 Introduction to Cultural Competence
3.00 credit hours
Graduate School Course: SWK 602 Introduction to Cultural Competence This course will introduce students to social work advocacy strategies for deconstructing institutionalized systems of oppression. Specifically, this course will acquaint students with the social worker’s role in addressing issues of power, privilege, and oppression. From a social justice perspective, students will examine how society creates and sustains opportunities or barriers for culturally diverse populations based on social constructions of race, ethnicity, gender, sexual orientation and age.

SWK 603 Social Problems and Policy
3.00 credit hours
Graduate School Course: SWK 603 This course is designed to provide an introduction to social welfare policy and services i the United States, along with the links between social problems, social policy, and social services. The focus will be on the content and process components of social welfare policy development in legislative, administrative, and interagency areas at the federal, state and local levels. Historic and contemporary responses to social welfare needs in the United States will be included. The global interconnections between the U. S. and the First World countries, Second World Countries and Third Worlds countries in addressing international social problems will be examined.

SWK 604 Human Behavior & the Social Env. I
3.00 credit hours
Graduate School Course: SWK 604 The Human Behavior and the Social Environment I (HSBE I) course is the first in a sequence of two Human Behavior and the Social Environment courses that examine human behavior and the social environment across the lifespan from conception through death and dying. This course focuses on human behavior and the social environment from conception through adolescence, and is designed to examine human behavior from a normal perspective, while gaining an understanding of the environmental factors that both create and influence diversity in human development. This course also emphasizes the biological, psychological, and social needs of human beings and the behavioral consequences that occur when these needs are not met.

SWK 605 Human Behavior & the Social Env. II
3.00 credit hours
Graduate School Course: SWK 605 The Human Behavior and the Social Environment I (HSBE II) course focuses on human behavior from a normal perspective, while gaining an understanding of the environmental factors that both create and influence diversity in human development. This course also emphasizes the biological, psychological, and social needs of human beings and the behavioral consequences that occur when these needs are not met.

SWK 606 Research Methods
3.00 credit hours
Graduate School Course: SWK 606: Research Methods This course is designed to examine the techniques involved in conducting scientific research in social work practice. The measurement of variables, testing of hypotheses and interpretation of findings, will also be applied through theoretical frameworks. Efforts will be made to acquaint students with quantitative data and fundamental concepts of social work research designs. The rationale for the use of certain basic concepts, their applications and the presentation of results through statistical analysis and the effects of relevant variables on research results will be studied. Emphasis will be made to understand "the scientific method" as a canon for guiding the logic of research in social work. Students will acquire knowledge about survey research, sampling, questionnaire construction, and hands on experience in research methodologies through measurement of sociological constructs. Students will become familiar with experimental research designs, field observation, and the statistical analysis of correlational data.

SWK 607 Social Work Data Analysis
3.00 credit hours
Graduate School Course: SWK 607: Social Work Data Analysis This course provides an introduction to the basic methods of statistical analysis that are used in quantitative social work research. The course will focus on the conceptual understanding of univariate, bivariate, and multivariate statistics. Frequency distributions, measures of central tendency, and correlational methods will be assessed as it relates to the formulations of theories that are relevant to social work and evidence based practice. In addition, students will develop the necessary skills that are needed to analyze quantitative data. Skills will be applied using the IBM/ PASW/SPSS Statistical Software Package for the Social Sciences. An emphasis will be made in conducting research that has an empowerment perspective based on culturally competent practice.

SWK 608 Generalist Practice- Indiv, Fam, Gr
3.00 credit hours
Graduate School Course: SWK 608: Generalist Practice with Individuals, Families, and Groups The purpose of this course is to prepare students with foundation knowledge and skills needed for interventions with individuals, families, and small groups. Discussion and practice opportunities will focus on student development of foundation helping skills in generalist practice, including communication, observation, empathy, and assessment.

SWK 609 Generalist Practice with Org & Com.
3.00 credit hours
Graduate School Course: SWK 609 Generalist Practice with Organizations and Communities This course will help students develop foundation knowledge and skills for social work practice with communities and organizations. Content will be included on the contexts in which macro practice occurs, approaches to understanding community and organization systems and interventions helpful in affecting change, solving problems, and improving social functioning within macro level systems.

SWK 610 Bridge Course
3.00 credit hours
Graduate School Course: SWK 610 Bridge Course The purpose of this course is to share with advanced standing students a common platform for foundation knowledge and skills needed for interventions with individuals, families, small groups, organizations, and communities. (advanced standing students only)

SWK 611 Field Prac. & Int Seminar I
3.00 credit hours
Graduate School Course: SWK 611 Field Practice and Integrative Seminar I This course is requires supervision on an agency-based social work field instructor. Students complete a total of 200 hours during the first practicum. On-campus seminars (I and II) taken concurrently with the practicum assist the student in the integration and application of practice theory to their placement learning activities. The Seminar is organized as two part field foundation course for two semesters.

SWK 612 Field Practice and Integ Sem II
3.00 credit hours
Graduate School Course: SWK 612 Field Practice and Integrative Seminar II The field practicum is an educationally directed on-site experience under the supervision on an agency-based social work field instructor. Students complete a total of 200 hours during the second practicum. On-campus seminars (I and II) taken concurrently with the practicum assist the student in the integration and application of practice theory to their placement learning activities. The Seminar is organized as two part field foundation course for two semesters.

SWK 701 Urban Black Families
3.00 credit hours
SWK 701 Urban Black Families Three Credit Hours This advanced practice course will expand the development and application of empowerment and strengths-based interventions for the purpose of creating alternative "Cultural Paradigm" /African centered healing models for clinical practice with African/Black American families. The course will combine a historical overview of African/Black American families with an emphasis on the obstacles they encountered that posed threats to healthy development and family functioning. Shifting the analysis of this oppressed group from an examination based on race to that of culture. Special attention is devoted to unraveling the effects of African cultural legacies, slavery, and institutional racism on urban Black family life. The Black helping tradition and presence of African cultural values in current urban Black life will be explored. Emphasis will be placed on approaches to practice for the liberation of other oppressed and culturally diverse groups and their communities.

SWK 702 Social Work with Immigrants
3.00 credit hours
SWK 702 Social Work with Immigrants Three Credit Hours This course will focus on past, present and future immigration policy in the U.S. In addition, such factors as Race, Culture, Acculturation Level, Language use, and Racism will be explored. Such issues as an immigrant's loss of cultural identity and language will also be discussed. The migration process for most immigrants is always a difficult process. Immigrants who arrive to the U. S. in search of better educational/job opportunities often have to leave loved ones, behind and often lose social support networks that are vital for survival. How does the host culture treat the new native culture in relation to sharing the American dream? Such topics as The Dream Act, Deportations, Acculturation Stressors and Cultural Humility Models/Assessment will be discussed. How can we as social workers help to promote an Immigration Policy that is both fair and inclusive of all groups?

SWK 703 Critical Theory for Social Work
3.00 credit hours
Critical Theory for Social Work Practice and Research is an elective course designed to provide students with a foundation of various theoretical frameworks and perspectives for engaging in culturally competent social work practice and theoretically grounded applied research. This course will provide students with a basic understanding of theoretical tenants and principles that are both central to and emerging within the field of social work. This course will prepare students to engage in micro and macro social work practice and applied research with individuals, families, and institutions. In addition, this course will develop students' ability to critically evaluate theories for their cultural relevance.

SWK 704 Caregiving throughout the Life Crse
3.00 credit hours
SWK 704 Caregiving Throughout the Life Course Three Credit Hours The purpose of this elective is to prepare students to assess, plan, and intervene related to care giving with various populations across the life course, using a care sharing model and incorporating multicultural perspectives and culturally competent practices and strategies.

SWK 705 Basic Spanish for Cultural Com SWK
3.00 credit hours
SWK 705 Basic Spanish for Culturally Competent Social Work Practice Three Credit Hours The course will prepare English speaking students to communicate cross-culturally with Latinos and Spanish speaking clients, immigrants and refugees. MSW social work students will learn basic Spanish skills from a Micro, Mezzo and Macro level of practice. Students will learn how speaking a client's native language will help in establishing a therapeutic relationship and promote the client's feeling of self-worth and validation. Students will learn as advanced generalist practice social workers the necessary tools for engaging clients in a second language in order to advance the mission of culturally competent social work practice.

SWK 706 Applied Research I
3.00 credit hours
Graduate School Course: SWK 706 Applied Research I In this first of a two course sequence, students working in small groups will apply the research skills developed in swk 606 to a project they develop along with their professor. Students will develop a research design/study that will be implemented in Applied Research II. etent helping skills in advanced generalist practice.

SWK 707 Applied Research II
3.00 credit hours
Graduate School Course: SWK 707 Applied Research II This second of the two course sequence will provide students with the opportunity to complete a research project/ study based on the research design developed in Applied Research I.

SWK 708 Advance Practice I
3.00 credit hours
Graduate School Course: SWK 708 Advanced Practice I This purpose of this course is to prepare students with advanced knowledge and skills needed for interventions with culturally diverse individuals and families. Discussion and practice opportunities will focus on student development of culturally competent helping skills in advanced generalist practice.

SWK 709 Advanced Pract II
3.00 credit hours
Graduate School Course: SWK 709 Advanced Research II The Advanced Practice II: Social Work with Groups course is designed to teach students how to engage in advanced culturally competent direct practice group work. This course will focus on group ethics, theory, techniques, and processes utilizing culturally competent evidenced-based intervention strategies for group work with children, youth, adults, and families. It will provide culturally competent strategies and practical application of group work for advanced generalist social work practice I.

SWK 710 Advanced Practice III
3.00 credit hours
Graduate School Course: SWK 710 Advanced Practice III The purpose of this course is to prepare students with advanced knowledge and skills needed for interventions with organizations and communities on behalf of culturally diverse individuals, families, and groups. Discussion and practice opportunities will focus on student development of culturally competent helping skills in advanced generalist practice.

SWK 711 Advan Field Prac. & Int. Sem III
3.00 credit hours
Graduate School Course: SWK 711 Advanced Field and Integrative Seminar III This advanced generalist practicum course provides a supervised practicum at an assigned practicum site and a weekly integrative seminar, with an emphasis on advanced culturally competent practice with individuals, families and groups. In the advanced generalist practicum, the student is expected to build upon the practice behaviors from their Foundation year and demonstrate all of the practice behaviors identified for the advanced year. Social Work students complete 250 clock hours within the semester to increase their ability to demonstrate advanced competencies in social work practice. A three-hour class seminar taken concurrently with the student's field placement, builds on the student's advanced social work practice behaviors. Additionally, the student begins to assume greater autonomy, learns to apply the knowledge and skills of practice to more complex situations, and begins to demonstrate leadership as they develop into a professional social worker. Students are required to abide by the NASW Code of Ethics while enrolled in the program. This course is followed by SW 712, Advanced Integrative Seminar IV, within the same agency setting.

SWK 712 Adv. Field Practice and Int. Sem IV
3.00 credit hours
Graduate School Course: SWK 712 Advanced Field Practice and Integrative Seminar IV This course is the second in the sequence of two constituting the social work field education program required of all advanced year students. This advanced generalist practicum course provides a supervised practicum at an assigned practicum site and a weekly integrative seminar, with an emphasis on advanced culturally competent practice with organizations and communities. In the advanced generalist practicum, the student is expected to build upon the practice behaviors from their Foundation year and demonstrate all of the practice behaviors identified for the advanced year. Social Work students complete 250 clock hours within the semester to increase their ability to demonstrate advanced competencies in social work practice. A three-hour class seminar taken concurrently with the student's field placement, builds on the student's advanced social work practice behaviors. Additionally, the student begins to assume greater autonomy, learns to apply the knowledge and skills of practice to more complex situations, and begins to demonstrate leadership as they develop into a professional social worker. Students are required to abide by the NASW Code of Ethics while enrolled in the program.

SWK 713 Psychopathology and Clinical Interv
3.00 credit hours
SWK 713 Psychopathology & Clinical Intervention Three Credit Hours This course is designed to provide an introduction to psychopathology and clinical services in social work. The focus will be on the content and components of the clinical process. Historic and contemporary clinical assessments, interventions, and treatments will be included. Students will learn the social worker's role in assessing, developing, and treating client systems as a clinically trained advanced generalist.

SWK 714 Macro Practice with Older Adults
3.00 credit hours
SWK 714 Macro Practice with Older Adults Three Credit Hours This course provides an overview of macro social work practice in the field of aging. It presents knowledge to assess and intervene with individuals, families, groups, organizations, and communities. Ethical and diversity issues are used to engange in cross-cultural practice at the macro level.

SWK 715 Direct Practice with Older Adults
3.00 credit hours
SWK 715 Direct Practice with Older Adults Three Credit Hours This course offers an intergenerational model of social work practice designed for working with older adults and their families, and the challenges they face. Assessment and intervention strategies are presented (Elective).

SWK 716 Loss and Grief: Individual, Family,
3.00 credit hours
SWK 716 Loss and Grief: Individual, Family, and Cultural Perspective Three Credit Hours This course provides an opportunity for students to explore and understand perceptions and beliefs about death and dying, including how cultural differences influence those experiences. Some of the issues covered include end of life care, loss and bereavement. (Elective)

SWK 799 Emerging Topics
3.00 credit hours
SWK 799 Emerging Topics Course Series (3 Credit Hours) These courses are designed to provide graduate students with learning opportunities and course content that focuses on emerging issues not currently designated as seperate courses.

Sociology (SOC)

SOC 131 Principles of Sociology
3.00 credit hours
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 Cultural Anthropology
3.00 credit hours
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 Social & Behavioral Sci
3.00 credit hours
SOC 233 Statistics for the Social and Behavioral Sciences Three credit hours The application of descriptive and inferential statistics to data in the social and behavioral sciences. Emphasis on data classification, data reduction, the normal distribution, z scores, probability, hypothesis testing, z test, t test, and statistical power. Co-listed as PSY 233 and SSC 233
Prerequisites: MTH 136 or its equivalent

SOC 234 Introduction to Gerontology
3.00 credit hours
SOC 234 Introduction to Gerontology Three credit hours The survey of biological, psychological, and sociological perspectives and research relevant to the study of human aging. Co-listed as SWK 234.

SOC 238 Social Problems
3.00 credit hours
SOC 238 Social Problems Three Credit Hours A sociological treatment of contemporary social problems. (Offered in alternate years; Fall Semester only).

SOC 239 Sex Roles
3.00 credit hours
NULL

SOC 332 Urban Sociology
3.00 credit hours
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
3.00 credit hours
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 Sociology of Religion
3.00 credit hours
SOC 335 The Sociology of Religion Three credit hours A functional analysis of the interrelationships involving society, culture, and religion and the role of the church in the social order and social change. (Same as REL 335) (Offered in alternate years)

SOC 338 Deviant Behavior
3.00 credit hours
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 Development of Social Theories
3.00 credit hours
SOC 434 The Development of Social Theory Three credit hours An analysis of the emergence and development of sociological theory. (Offered Fall Semester Only)
Prerequisites: SOC 131

SOC 436 Independent Study
3.00 credit hours
SOC 436 Internship in Sociology Three credit hours Through placement in a criminal justice agency or social service agency, students put into practice concepts, methods, and theories learned in coursework. Students work 120 hours at an agency during a semester. Course may be taken twice.
Prerequisites: CRIM 131 or SOC 131

SOC 494 Special Topics
3.00 credit hours
NULL

Spanish (SPA)

SPA 131 Elementary Spanish I
3.00 credit hours
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
3.00 credit hours
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.
Prerequisites: SPA 131 or placement by examination

SPA 231 Intermediate Spanish I
3.00 credit hours
SPA 231 Intermediate Spanish I Three credit hours Emphasis on communicative and writing skills. Short basic readings, conversation, grammar and aspects of culture.
Prerequisites: SPA 132

SPA 232 Intermediate Spanish II
3.00 credit hours
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.
Prerequisites: SPA 231 or permission of instructor

SPA 235 Internship in Spanish
3.00 credit hours
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. NOTE: Work experience unrelated to the Spanish major is considered a part-time job.
Prerequisites: SPA 232 or permission of instructor

SPA 236 Spanish for Business and Technology
3.00 credit hours
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 resume, writing a business letter, conducting an interview, and making a business presentation in Spanish.
Prerequisites: SPA 232 or permission of instructor

SPA 237 Spanish for Social Services
3.00 credit hours
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.
Prerequisites: SPA 232 or permission of instructor

SPA 238 Spanish for Law Enforcement
3.00 credit hours
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.
Prerequisites: SPA 232 or permission of instructor

SPA 239 Spanish for Healthcare Professional
3.00 credit hours
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.
Prerequisites: SPA 232 or permission of instructor

SPA 330 Spanish Conversation I
3.00 credit hours
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.
Prerequisites: Spanish 232 or permission of instructor

SPA 331 Adv Spanish Grammar,Comp & Convers
3.00 credit hours
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.
Prerequisites: SPA 232 or permission of instructor

SPA 333 Intro to Spanish Literature
3.00 credit hours
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.
Prerequisites: SPA 232 or permission of instructor

SPA 334 Latin American Civilization
3.00 credit hours
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.
Prerequisites: SPA 232 or permission of instructor

SPA 337 Techniques in Translation of Spani
3.00 credit hours
SPA 337 Techniques in Translation of Spanish Three credit hours Practice in oral and written two-way translation using various types of documents and discourses. Focus is on a series of problems in translation linked to specific linguistic functions such as description, narration, advertisement, and report. Students are required to reflect critically on the way in which two languages work as they translate a variety of literary and non-literary texts.
Prerequisites: SPA 232 or permission of instructor

SPA 338 Spanish Conversation II
3.00 credit hours
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 341 Spanish Women Writers
3.00 credit hours
SPA 341 Spanish Women Writiers Three credit hours This course studies a wide range of literary texts witten by women writers from Spain with a focus on the 19th and 20th Centuries. The generes to be studied are novel, poetry, essay and theatre. This course will introduce students to some represenative works of some significant writers during major literary movements and place them within in a socio-historical context. They will also study unique feminine 'voices from Spain's tumultuous past consisting of the Spanish Civil War, General Franco's regime,democracy and more contempary times.

SPA 346 Cultural Rootedness:
3.00 credit hours
SPA 346 Cultural Rootedness: Chicano/a Literature Three credit hours This bilingual course that examines the cultural hybridity experienced in Chicano/a Literature. The class offers cultural negotiations of individual and entire communities of Mexican descend in the United States, some communities whom the border crossed them without their knowledge. To expose to students to major themes, the class covers major works that have captured the imaginations of the readers as the authors incorporate their own cultural background as they carve out their own identity within the larger American society.

SPA 356 Latin America Short Stories
3.00 credit hours
SPA 356 Latin American Short Stories Three credit hours This class explores one of the most important literary manifestations of the Twentieth Century Latin American Literature: short stories. It embodies the literary and cultural traditions, both European and native, which makes Latin American literature unique. This unit situates the Latin American short story in its literary, historical, and cultural contexts. It also presents four short stories, which, along with suggestions for classroom activities, will give students a good understanding of the place of Latin American traditions in modern literature.

SPA 364 Latin American Women Writers
3.00 credit hours
SPA 364 Latin American Women Writers Three credit hours This course examines a range of work by a number of women writers from Latin America. The course will begin with a consideration of the principal issues at stake in approaching the topic of women's writing (e.g. can writing be gendered? Is there such as thing as a women's language?), in the course of which you will be equipped with the relevant vocabulary and conceptual framework necessary for this endeavor. During the rest of the course you will study a range of work in different genres by women writers from across Latin America. Issues to be considered throughout the course in relation to the texts studied will include: questions of language, social justice, identity, family, nationhood and 'race'; and the writers and works' relationship to the literary canon and to broader historical contexts of literary production.

SPA 367 Gender & Race: US Lat. Literature
3.00 credit hours
SPA 367 Gender & Race: U.S. Latino/a Literature Three credit hours This course examines selected works that belong to the rich, diverse, and ever-growing field of Latino Literature, emphasizing the female gender and race issues. As such, the class offers a wide and richly-textured view of the realities of women of Latin American descend in the United States. As such, the class analyzes the sociocultural issues —gender and race, primarily—the authors negotiate as they cross political and cultural borders.

SPA 383 Intro to Life Writing, Memoir & Bio
3.00 credit hours
SPA 383 Intro to Life Writing, Memoir, & Biogragphy Three Credit Hours This multicultural course is aimed to be introduction to life Writing with a special focus on the study of the multiple genres of this narrative form such as autobiography, biography, memoir, diary, testimonial and many more. Students will be introduced to these genres and will study and analyze novels (fiction and non-fiction), poems and other texts from the Spanish speaking world the belong to one of these genres. Students will be provided with a thorough critical study of the genre of Life Writing so thar they can both identify and understand the voice of the author as the subject of inquiry. They will also write personal narratives in the form best suited to thire individual styles. SPA 232

SPA 390 Junior Seminar
3.00 credit hours
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.
Prerequisites: SPA 333 or permission of instructor

SPA 395 Field of Study in Span. Speak Cntry
3.00 credit hours
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.
Prerequisites: Any introductory Spanish course or permission of coordinator

SPA 430 Spanish Civilization
3.00 credit hours
SPA 430 Spanish Culture Three credit hours Introduction to the history, art, and social institutions that shaped the culture and traditions of the people of Spain from pre-Roman times to the present. Special attention to contemporary Spain. Conducted in Spanish.
Prerequisites: SPA 333 or permission of instructor

SPA 431 Survey of Spanish Literature
3.00 credit hours
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.
Prerequisites: SPA 333 or permission of instructor

SPA 432 Survey of Latin American Literature
3.00 credit hours
SPA 432 Survey of Latin American Literature Three credit hours Introduction to significant authors and trends in Latin American literature, including works by Hispanics and those of African ancestry. Conducted in Spanish.
Prerequisites: SPA 333 or permission of instructor

SPA 435 Latin American Poetry
3.00 credit hours
SPA 435 Latin American Poetry Three credit hours Survey of representative Latin American poetry from the Colonial period to the present. Conducted in Spanish.
Prerequisites: SPA 333 or permission of instructor

SPA 436 Latin American Prose Fiction
3.00 credit hours
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.
Prerequisites: SPA 333 or permission of the instructor

SPA 437 Hispanic Film
3.00 credit hours
NULL

SPA 438 Afro-Hispanic Literature and Cultur
3.00 credit hours
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.
Prerequisites: SPA 333 or permission of instructor

SPA 439 Don Quixote
3.00 credit hours
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.
Prerequisites: SPA 333 or permission of instructor

SPA 490 Senior Seminar
3.00 credit hours
SPA 490 Senior Seminar Three credit hours Collaborative research seminar supplemented by individual sessions with faculty in which all Spanish 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.
Prerequisites: SPA 333 and 390 or permission of instructor

SPA 491 20th Century Hispanic Literature
3.00 credit hours
SPA 491 Twentieth Century Hispanic Literature Three Credit Hours Advanced seminar in Hispanic poetry, prose fiction, drama and short stories of the 20th Century. Emphasis on the development of the reading, writing, speaking and listening skills. Conducted in Spanish.
Prerequisites: SPA 333 or permission of instructor

SPA 496 Special Topics in Spanish
3.00 credit hours
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.
Prerequisites: Any 300-level Spanish course or above or permission of instructor

SPA 497 Special Topics in Span
3.00 credit hours
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.
Prerequisites: Any 300-level Spanish course or above or permission of instructor

SPA 498 Special Topics in Spanish
3.00 credit hours
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.
Prerequisites: Any 300-level Spanish course or above or permission of instructor

SPA 499 Independent Study
0.00 credit hours
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.
Prerequisites: Any 300-level Spanish course and beyond or permission of instructor

Sport Management (SPM)

SPM 230 Introduction to Sport Management
3.00 credit hours
SPM 230 Three credit hours This course will introduce students to the fundamental concepts and theories in sport management including management, marketing, finance and economics, sociology and psychology, professional, youth, high school, college and community sport. There will also be a focus on for-profit, non-profit and international sport. Furthermore, career development in sport, sport legal issues, sport communication, facilities management and research methods will be explored.

SPM 233 Sport Practicum
3.00 credit hours
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 meeting offer an opportunity for students to learn, compare, contrast, analyze, and evaluate their experience in the various settings. It is a Students will be required to acquire 60 clock hours of practicum experiences. (FORMERLY PED 233).
Prerequisites: to the internship course (SPM 433, formerly PED 433)

SPM 331 Sport Marketing
3.00 credit hours
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 Facility & Event Mgt
3.00 credit hours
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
3.00 credit hours
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 335 International Sport Management
3.00 credit hours
SPM 335 International Sport Management Three Credit Hours This course provides an overview of how sport is organized, managed, funded, and governed across the world. It also examines the economic, cultural, sociological, and politicalrole that sport plays within the broad process of globalization.
Prerequisites: SPM 230

SPM 337 Mgt of Phys Adm & Sports Programs
3.00 credit hours
SPM 337 Management and Administration of Physical Activity and Sports Programs Three Credit Hours This course provides students with competencies essential to managing and administering sports programs. This course will also focus on the study of principles, theories, and competencies essential for the organization of physical activity and sports programs, e.g., interscholastic, club sports, intramurals. Students are required to complete the American Red Cross Certification program in First Aid and CPR

SPM 338 Management Research Methods I
3.00 credit hours
SPM 338 Management Research Methods I Three Credit Hours The first of two formal courses that facilitate the writing of the Senior Investigative Paper for Sports Management students. Students complete a proposal for their paper as an outcome of the course. To accomplish this, students learn research methods and strategies necessary to complete an acceptable proposal.

SPM 339 Sports Information
3.00 credit hours
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 & Governance in Sports
3.00 credit hours
SPM 340 Leadership and Governance 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 230

SPM 430 Sport Management Research MethodsII
3.00 credit hours
SPM 430 Sport Management Research Methods II Three Credit Hours This is the second of two formal courses that facilitate the writing of the Senior Investigative paper (SIP) for Sport Management students. The purpose of the course is to expose students to significant issues, methodology and research in the fields of physical education, and to investigate an area of major interest for completion of the SIP. Formerly PED 430.
Prerequisites: SPM 338

SPM 433 Internship
3.00 credit hours
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.
Prerequisites: SPM 233 (Formerly PED 433)

SPM 434 Sport & Law
3.00 credit hours
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
3.00 credit hours
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 Sports Psychology
3.00 credit hours
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.

Sustainability (SUS)

SUS 230 Principles of Sustainability
3.00 credit hours
SUS 230 Principles of Sustainability 3 Credit Hours This course introduces students to the challenges of managing natural resources needed for today while conserving for the future. Students will learn to connect environmental protection to organizational management by exploring the scientific, technical, financial and political challenges of effectively managing a sustainable environment and economy. Lecture, 3 hours.
Prerequisites: for this course include any of the following: PHY 241, NSC 140, BIO 143, CHE 131 or Departmental approval

SUS 231 Advanced Sustainability
3.00 credit hours
SUS231 Advanced Concepts in Sustainability 3 Credit Hours This course is taught in a project or case-based format and will seek to help students learn the various applications of sustainability in real- world contexts. This course offers a practical application of sustainability knowledge and practices to address a community problem. Environmental, equity and economic impacts must be considered in performing situation analyses and developing recommendations. This course is repeatable. Lecture 3 hours
Prerequisites: for this course include any of the following: PHY 241, NSC 140, BIO 143, CHE 131 or Departmental approval

Under Construction

University College Rhetoric and Culture (BRC)

BRC 135 Integrated Research and Bibl Method
3.00 credit hours
BRC 135 Integrated Research Three Credit Hours The course examines the theoretical relationship between thought, reading, and writing. with specific attention to ways this relationship underlies learning. Students will receive practical training in special methods and materials of research using theoretical principles to integrate research and documentation source materials. Interdisciplinarity, research topic choice and development, bibliographic selection, and research writing based on interpretive reading will be the primary content focus. This course will be used as a gateway to writing and transitioning students into their respective majors with emphasis on future Senior Thesis and development editing, and revision (using various formats). Upon completion, students should be able to produce a bibliographic and methods tools. In addition, students will reinforce the fields and library research, including the skills of summarization, paraphrasing, and quoting source material.

BRC 230 Topics in Minority Studies Colorism
3.00 credit hours
Topics in Minority Studies

University College Rhetoric and Culture (LPD)

LPD 101 Strengths Training in Metacognitive
1.00 credit hours
LPD 101 Strength Training in Metacognitive Skills One Hour This course is designed to introduce students to various metacognitive skill sets that may assist them in negotiating the transition to the university study and aid in self-awareness and growth regarding their core strengths and capabilities. Students will become familiar with six skill sets (Motivation, Self-efficacy, resilience, service, committment, and leadership) and explore their own strengths in these domains. In addition, students will receive training in how to translate their own strengths in these skill sets into academic success. There are no
Prerequisites: for this course

LPD 110 Career Image Management
1.00 credit hours
LPD 110 Career Image Management One Credit Hour This survey course introduces students to the fundamental concepts and theories of career development, to include personal discovery, career identification techniques, career communication hook and strategies, and initial brand perpetuation using social networks. This course will put particular focus on the understanding and use of social media in the career and image building process. Furthermore, this course will help students to target their skill sets to their desired career path.
Prerequisites: None

LPD 111 Philanthropy: A State of Being
1.00 credit hours
LPD 111 Philanthropy: A State of Being One credit hour This course introduces students to basic concepts and theories of philanthropy aimed to facilitate a charitable mindset, including strategies, tactics , and avenues for benevolent giving, as well as various types of giving. In addition, students will develop a leadership skill set around philanthropy. There is no
Prerequisites: for this course

LPD 296 Practicum
0.00 credit hours
LPD 296, 297, and 298 Leadership & Personal Development Practicum One - Three Credit Hours This course promotes the personal development and overall leadership skills of students while improving their ability to think critically, communicate effectively and work collaboratively in community with others.
Prerequisites: Permission of the Instructor

LPD 297 Practicum
0.00 credit hours
LPD 296, 297, and 298 Leadership & Personal Development Practicum One - Three Credit Hours This course promotes the personal development and overall leadership skills of students while improving their ability to think critically, communicate effectively and work collaboratively in community with others.
Prerequisites: Permission of the Instructor

LPD 298 Practicum
0.00 credit hours
LPD 296, 297, and 298 Leadership & Personal Development Practicum One - Three Credit Hours This course promotes the personal development and overall leadership skills of students while improving their ability to think critically, communicate effectively and work collaboratively in community with others.
Prerequisites: Permission of the Instructor

Visual, Performing and Communication Arts (VPA)

VPA 230 Seminar Pract in the Vis & Perf art
3.00 credit hours
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 VPA II
3.00 credit hours
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.
Prerequisites: VPA 230

VPA 330 Jr. Sem: Portfolio & Proj. Develop
3.00 credit hours
VPA 330 Junior Seminar: Portfolio and Project Development Three credit hours Students conduct guided research to inform work on a capstone project and produce an annotated bibliography and a project plan. The project is completed and presented in the Senior Seminar. In close consultation with the instructor and adviser, the student develops a project plan that displays proficiency in the chosen concentration (i.e., portfolio, performance, choreography, or direction of a performance). Required of all junior Visual and Performing Arts majors.
Prerequisites: VPA 231

VPA 430 Sr. Sem: Final Proj & Paper
3.00 credit hours
VPA 430 Senior Seminar: Final Project and Paper Three credit hours Students complete the capstone project developed and approved in the Junior Seminar. A formal paper of ten pages accompanies the project explaining the project's context. The projects (i.e., portfolio, performance, choreography, or direction of a performance) is presented to a public audience of faculty and students and graded by a faculty committee. Required of all senior Visual and Performing Arts majors.
Prerequisites: VPA 330

VPA 431 Internship in VPA
3.00 credit hours
VPA 431 Internship in Visual and Performing Arts Three Credit Hours Students identify a site in the community where they complete 120 hours of practical experience in the area of their chosen concentration. Before beginning intership hours, students must complete workshop requirements at the Office of Career Planning and Placement. Interns meet periodically in a seminar to evaluate and reflect on their intership experiences and to intergrate the on-site learning with their prior coursework through short papers and presentations.
Prerequisites: VPA 231 and VPA 210

Visual, Performing and Communication Arts - Dance (VPD)

VPD 125 Dance Conditioning
2.00 credit hours
VPD 125 Dance Conditioning Two Hours Dance Conditioning is meant to help students to identify and correct muscular imbalances or weaknesses, through dance-related training methods that might include, but are not limited to use of: Pilates, yoga, resistance bands, physioballs, light weights, and aerobic conditioning.

VPD 131 Dance for Non Majors
3.00 credit hours
VPD 131 Dance for Non-Majors Three Credit Hours The purpose of Dance for Non-Majors is to provide the student with an introduction to, or review of, the technique and vocabulary of two or more genres of dance. This course satisfies the Visual, Performing, and Physical Arts Pillar. There are no prequisites for this introductory course. Students will be required to follow a dress properly, and physically participate in class daily. The course may also include written work.

VPD 223 Concert Dance I
3.00 credit hours
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
2.00 credit hours
VPD 224 African Dance Two credit hours The course provides an introduction to dances, music, and cultures of various regions in Africa with an emphasis on learning authentic dances and their historical and cultural contexts. Students develop strength, aerobic stamina, coordination, flexibility, and rhythmic sophistication by working with master drummers.

VPD 225 Beginning Tap Dance
2.00 credit hours
VPD 225- Beginning Tap Dance 2 Credit Course Beginning Tap Dance is a studio course that introduces VPA majors to the complex andvaried dance techniques of the African diaspora, with an emphasis on making percussive sounds on the floor with the feet, use of call and response,introduction of challenge dances,production of polyrhythms, and awareness of the social contexts and uses of dance in Africa and around the world.The course allows VPA majors to understand and experience first-hand the social,participatory, and community-building aspects of tap.The course may help recruit and retain students interested in learning more about African and Afircan- American music and dance.

VPD 233 Ballet II
3.00 credit hours
VPD 233- Intermediate Ballet Three Credit Hours This course provides for continued study in classical ballet techniques and artistry, with further emphasis on strength, flexibility, stamina, jumps, turns, and leaps, in preparation for more advanced study. PREREQUISITE: VPD 223 Concert Dance I.

VPD 235 Dance Production
3.00 credit hours
VPD 235 Dance Production Three Credit Hours Dance production will survey the current professional dance production practices including lighting, sound, video, staging, costumes and business while maintaining safe working practices.

VPD 241 Hip-Hop
3.00 credit hours
VPD241 Hip-Hop Dance Three Credits Students can expect to learn the fundamentals and historical foundations of Hip-Hop Dance through warm up, center and class progressions. The course explores anatomical vocabulary of Hip-Hop by use of rhythm, musicality and ethics. Can be repeated up to 2 times for credit.

VPD 242 Hip-Hop 2
2.00 credit hours
VPD 242 Hip-Hop 2 Two Credit Hours In the course, students can expect to learn the fundamentals and historical foundations of Hip-Hop Dance through warm up, center and class professions. This course explores anatomical vocabulary of Hip-Hop by use of rhythm, musicality and esthetics. Can be repeated up to 2 times for credit.

VPD 332 Kinesiology
3.00 credit hours
This course reinforces student knowledge of anatomy, and provides the student with the opportunity to develop competencies essential to analyzing physical activity performance. A laboratory experience is included.
Prerequisites: BIO143
Corequisites: or (Same as PED332)

VPD 333 Modern I
3.00 credit hours
VPD 333 Concert Dance II Three Credit Hours This course continues the progression of ballet, modern, and jazz dance skills with an added emphasis on mastery of complex combinations and on the performance qualities of acting, musicality, and phrasing. Primary focus is on jazz dance.
Prerequisites: VPD 224 or instructor permission

VPD 334 Jazz I
3.00 credit hours
VPD334 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.
Prerequisites: VPD 333 and instructor permission

VPD 335 Modern II
3.00 credit hours
VPD 335- Intermediate Modern Three Credit Hours This course provides for continued study in modern dance techniques and artistry, with further emphasis on strength, flexibility, stamina, jumps, turns, and leaps, in preparation for more advanced study. PREREQUISITE: VPD 333 Concert Dance II

VPD 340 Junior Seminar
3.00 credit hours
VPD 340 Junior Seminar Three Credit Hours This course analyzes knowledge and skills gained through undergraduate research, as it applies to dance choreography, education and professional development. Students will use thise course as preparation for VPD 430 Senior Seminar.

VPD 341 Dance Pedagogy
3.00 credit hours
VPD 341 Dance Pedagogy Three Credit Hours This course is designed to provide students with the tools for analyzing, creating and applying dance curriculum. Students will make use of both practical and theoretical components by viewing, attending and teaching dance classes, as well as discussing experiences in the dance studio.

VPD 342 Dance Performance Practicum
1.00 credit hours
VPD 342 Dance Performance Practicum One Credit Hours This course is designed for students to learn and apply rehearsal and performance skills needed in a professional dance production. Students may repeat for credit up to 8 times.

VPD 412 Jazz II
1.00 credit hours
VPD 412 Intermediate Jazz One credit hour This course provides increasingly difficult training in contemporary jazz dance techniques, in preparation for careers onstage, on television, in film, in theme parks, on cruise lines, and as choreographers of commercial dance work. There is an emphasis on rhythmic complexity, isolations, turns, and the ability to learn and perform combinations quickly. PREREQUISITE: VPD 334 Concert Dance III.

VPD 413 Beginning Pointe
1.00 credit hours
This course provides begining to low intermediate training in pointe techniques, in preparation for careers in classical One Credit or contempary ballet. There is an emphasis on proper alignment, core strength and creating the proper foot,ankle and leg strength to support simple barre and center combinations without injury.
Prerequisites: VPD 223 Concert Dance I, VPD 233 Intermediate Ballet, and Instructor Permission

VPD 414 Intermediate Pointe
1.00 credit hours
VPD 414 Intermediate Pointe One credit hour This course provides intermediate to advanced training in pointe techniques, in preparation for careers in classical or contemporary ballet. There is an increased emphasis on sustained balances, turns, jumps, adagio, and traveling combinations.
Prerequisites: VPD 223 Concert Dance I, VPD 233 Intermediate Ballet, VPD 413 Beginning Pointe, and Instructor Permission

VPD 415 Jazz III
1.00 credit hours
VPD 415 Advanced Jazz One credit hour This course provides advanced training in contemporary jazz dance techniques, in preparation for careers onstage, on television, in film, in theme parks, on cruise lines, and as choreographers of commercial dance work. There is an emphasis on rhythmic complexity, isolations, turns, and the ability to learn and perform combinations quickly, with musicality and stage presence.
Prerequisites: VPD 334 and VPD 412

VPD 416 Repertory Company
1.00 credit hours
VPD 416 Repertory Company One Credit Hour This course provides selected dancers with pre-professional rehearsal, touring, and performing experience in an ensemble representing the University in an official capacity. The company is selected by audition only in fall terms, and company members continue through the spring of the academic year.
Prerequisites: Dance Majors, Visual Performing Arts Majors in the Dance Concentration, and Dance Minors only, by audition

VPD 417 Dance Performance Practicum
1.00 credit hours
VPD 417 Dance Performance Practicum One Credit Hour This course is designed for students to learn and apply rehearsal and performance skills needed in a professional dance production. Students may repeat for credit up to 8 times.

VPD 421 Dance Pedagogy
3.00 credit hours
VPD 421 Dance Pedagogy Three Credit Hours This course is designed to provide students with the tools for analyzing, creating and applying dance curriculum. Students will make use of both practical and theoretical components by viewing, attending and teaching dance classes, as well as discussing experiences in the dance studio.

VPD 430 Senior Seminar
3.00 credit hours
VPD 430 Senior Seminar Three Credit Hours This course is designated as the capstone course for senior Dance majors. Students will create a portfolio that will document the senior investigative paper, as well as choreographic project that coincides with the research. Both will be presented in a public forum.
Prerequisites: VPD 340 Junior Seminar

VPD 432 Dance as an Art Form
3.00 credit hours
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
3.00 credit hours
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 Ballet III
3.00 credit hours
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 Modern III
3.00 credit hours
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, improviasation, or lifts at the discretion of the instructor.
Prerequisites: VPD 334 and instructor permission

Visual, Performing and Communication Arts - Fine (VPF)

VPF 233 Film Criticism
3.00 credit hours
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.

VPF 331 Screenplay Writing for Short Film
3.00 credit hours
VPF 331 Screenplay Writing for Short Film Three Credit Hours This class will be an intensive study of screenwriting elements as applied to short films intended for production, with an emphasis on formatting, character development, and dialogue. Students will develop and complete a short script (minimum fifteen minutes/ maximum forty minutes). The course culminates in a pitch-panel, comprised of industry professionals, where students will present their final scripts.

VPF 332 Introduction to Editing
3.00 credit hours
VPF 332 Introduction to Editing Three Credit Hours This course is an introduction to the principles of editing conventions, techniques, and aesthetics of non-linear motion picture editing.

VPF 333 Electronic Cinematography
3.00 credit hours
VPF 333 Electronic Cinematography Three credit hours A hands on camera craft class designed to give students the knowledge and skills to navigate today's electronic media. Specifically targets camera craft for film making. (
Prerequisites: VPA 231 or permission of Chair)

VPF 334 Production Workshop
3.00 credit hours
VPF 334 Production Workshop Three Credit Hours This course examine procedure in planning short films with an emphasis on the role of producer and creative organizational techniques of producing. Lectures and assignments cover casting, location scouting, production design, budgeting , and scheduling; developing fully detailed production books.
Prerequisites: VPF 331 333

VPF 431 Documentary Workshop
3.00 credit hours
VPF 431 Documentary Workshop Three credit hours This course will explore the contemporary world of documentary video production with an overview of theory and history. Students develop the knowledge, tools and techniques needed to create documentaries through screenings, readings, lectures/discussions and hands-on demonstrations. Students research, develop ideas and pre-plan for documentary production in VPF 432.
Prerequisites: VPF 331,332, 333 334 or permission of the department chair

VPF 432 Documentary Workshop II
3.00 credit hours
VPF 432 Documentary Workshop II Three credit hours This course provides continued study in the production of documentary short films. Students will produce the works developed and researched in VPF 431, for a final broadcast quality documentary short (ranging from 15 – 40 minutes in length).
Prerequisites: VPF 431

VPF 434 Narrative Workshop I
3.00 credit hours
VPF 434 Narrative Workshop Three credit hours Students work collaboratively as a film company to develop narrative short films. Each student works in a different crew position on a each film, as to be exposed to the broad spectrum of the whole production experience.
Prerequisites: VPF 331,332, 333, 334

VPF 435 Narrative Workshop II
3.00 credit hours
VPF435 Narrative Workshop II Three credit hours This course provides continued study in the production of narrative short films. Students will work collaboratively to produce (shoot, edit and market) dramatic shorts that were developed and researched in VPF 431.
Prerequisites: VPF 434

VPF 436 Adaptation
3.00 credit hours
VPF 436 Adaptation Three Credit Hours An advanced study in transforming essential elements of literary property (theme, characters, and tone) into a well-structured screenplay. This course also discusses how to obtain properties and rights of both fictional and non-fictional stories.
Prerequisites: VPF 331

Visual, Performing and Communication Arts - Graphics (VPG)

VPG 230 Basic Design
3.00 credit hours
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 231 Intro to Graphic Production
3.00 credit hours
VPG 231 Introduction to Graphic Production Three credit hours Introduction to basic graphics skill, including design concepts, typography, color theory, technical vocabulary, and proper use of tools and equipment. Emphasis is on the development of hand skills leading to the use of computers and on software used in the production of graphic artwork.
Prerequisites: VPA 231, VPG 230 (formerly ART 130), or permission of Department Chair

VPG 233 Photojournalism I
3.00 credit hours
COM 233 Photojournalism I Three credit hours A course in basic still-photography and photojournalism. A laboratory fee may be required. (Same as COM 233)

VPG 235 Graphic Design I
3.00 credit hours
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;
Prerequisites: VPG 232 or permission of Chair)

VPG 257 Introd. to 3D Design & Printing
3.00 credit hours
VPG 257 Introduction to 3D Design & Printing Three Credit Hours This course is an introductory, open elective course designed to provide students throughout the university with basic knowledge of 3D design and modeling, materials, fabrication and making mechanical 3D objects. This active learning, discovery - based course is designed to be radically collaborative combining viewpoints from discipline such as art, business and marketing, history, and STEM to provide a dynamic and contrasting experience encouraging students to see and use the creative process to innovate.

VPG 336 Graphic Design II
3.00 credit hours
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;
Prerequisites: , VPG 232, VPG 235 or permission of Department Chair)

VPG 340 Photography II
3.00 credit hours
VPG 340 Photography II Three credit hours An intermediate course continuing the investigation into black and white photographic techniques. Panning, zooming, multiple exposures,and the creative use of different developers, films, and papers are stressed as well as darkroom manipulation of the image.
Prerequisites: VPA 230 and VPG 233

VPG 341 Digital Photographic Tech I
3.00 credit hours
VPG 341 Digital Photographic Techniques I Three credit hours This is an introductory course to color photography in a digital photographic environment. Through the use of Adobe Photoshop, archival printing,. and their own personal cameras, students learn to treat the computer as if it were a darkroom. Students should start the class with an understanding of camera basics and photography as a medium.

VPG 342 Alternative Photographic Film Proce
3.00 credit hours
VPG 342 Alternative Photographic Film Processes Three credit hours This is an advanced photography course that emphasizes the experimental nature of photography. Students explore non-traditional materials and alternative photographic technique and experiment with various types of films and papers. The course is about learning the limits of photographic materials and thinking outside the typical photographic framework.
Prerequisites: VPA 230, VPG 233, and VPG 340

VPG 343 Studio Lighting
3.00 credit hours
VPG 343 Studio Lighting Three credit hours This is an intensive studio course in photographic lighting techniques. Through demonstrations and lectures, students learn how to use artificial lighting within the context of commercial and artistic application. The course includes techniques in location lighting, portrait, still life, editorial, and fine art photography. There is an emphasis on creative visual communication through commercial and technical application.
Prerequisites: VPA 230 and VPG 233

VPG 350 Virtual Environments
3.00 credit hours
VPG 350 Virtual Environments Three credit hours This course covers the use of virtual environments tools and techniques in multimedia development. Emphasis is placed on acquiring the skills necessary to create scalable virtual characters and environments for use in multimedia projects. Upon completion, students should be able to create a virtual environment for their multimedia, game or simulation project.
Prerequisites: VPG Animation I, VPG 436 Animation II)

VPG 352 Motion Capture
3.00 credit hours
VPG 352 Motion Capture Three credit hours The VPG 352 Motion Capture course teaches students techniques to digitize motion, edit sequences, and develop an understanding of simulated motion. Students gain an understanding of motion capture setup and shooting, data tracking, and skeleton retargeting, as well as animation correction and enhancement. This course will introduce students to acquiring and manipulating motion capture data with tools such as Motion Builder, 3ds Max, Maya, Unity 3D, UDK, etc. Students will learn the ins and outs of the FBX file format, skeletons, and motion retargeting, as well as how to build a character rig for motion capture. Mocap data will be provided for students to work with, as they develop strategies for how to clean up data and blend between performances, while maintaining the animator's ability to add to the performance. This course also gives students a deeper understanding of film, animation, game and simulation motion capture development pipelines. (
Prerequisites: VPG 435 Animation I, VPG 436 Animation II)

VPG 354 Machinima
3.00 credit hours
VPG 354 Machinima Three credit hours VPG 354 Machinima, a portmanteau of machine and cinema, is film making within real- time 3D virtual environments and video games. This course will cover basic Machinima creation, copyright and creative commons. Students learn to apply real world film making techniques within an interactive virtual environment where characters and events can be controlled by humans, scripts, or artificial intelligence. Students will setup and modify props, costumes, characters and environments to produce a Machinima using virtual environments, simulations and video games. (
Prerequisites: VPG 435 Animation I, VPG 436 Animation II)

VPG 356 3D Character Rigging
3.00 credit hours
VPG 356 3D Character Rigging Three credit hours This course introduces students to create a complex bipedal character rig. Learn about joints, skins, FK/ IK, constraints, and more in a step -by-step introduction to rigging. This is an animator friendly approach that doesn't require previous rigging or scripting experience. Students will learn how to evaluate a model for rigging, joint placement, deformation tools, skinning tools and the fundamentals of what makes for an efficient production rig. Students will also learn how and when to use Set Driven Keys, Corrective Blendshapes, and how Inverse Kinematics and Forward Kinematics can be used together. Develop a thorough understanding of the kinds of controls that Animators use and how to str eamline their creation using simple scripting tools. Students will also have a chance to explore motion capture skeletons and available automated rigging tools. (
Prerequisites: VPG 435 Animation I, VPG 436 Animation II

VPG 433 Animation I
3.00 credit hours
VPG 433 Animation I Three Credit Hours An introduction to the basic principles of animation to develop an understanding of character and performance. Emphasis on the analysis of actions. Drawing proficiency is required (
Prerequisites: VPG 232, VPG 235 or permission of Chair)

VPG 434 Graphic Design III
3.00 credit hours
VPG 434 Graphic 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.
Prerequisites: VPG 336 Graphic Design II

VPG 436 Animation II
3.00 credit hours
VPG 436 Animation II- Three Credit Hours This course is designed as an advanced animation course for students who are already experienced with basic 3D animation concepts and technical practice. Students will learn character animation, rigging, lighting, and camera. Building on knowledge of composting, morphing, inverse, and forward kinematics, students will learn to make a computer animated character move, through training exercises, known as acting for animators, and programming to create customized character rigs and to generate simulations of real world effects. Prerequisities: VPG 232 and VPG 435

Visual, Performing and Communication Arts - Sound Arts (VPM)

VPM 113 Contemporary Keyboard Skills I
1.00 credit hours
VPM 113 Contemporary Keyboard Skills I Once Credit Hour This course presents a foundational-level introduction to musical keyboards, including electronic and controller types. Intended for students with no previous keyboard or piano experience, VPM 113 provides practical support for topics covered in VPM 132 and 143. The course is normally taught in a class environment. VPM 113 is required for VPA majors and pre-majors concentrating in Sound Art, and Sound Arts minors, and is available only to students in of those programs.
Prerequisites: Consent of instructor. r

VPM 114 Contemporary Keyboard II
1.00 credit hours
VPM 114 Contemporary Keyboard Skills II One Credit Hour Presents a practical and theoretic instruction regarding musical keyboards, including electronic and controller types. Extending basic techniques and electronic implications achieved in VPM 113, the course provides practical support for topics covered in VPM 132 and VPM 143. The course is normally taught in a class environment. VPM 114 is required for VPA majors and pre-majors concentrating in Sound Art, and Sound Art minors, and is available only to students in one of those programs.
Prerequisites: VPM 113 or consent of instructor

VPM 132 Foundations of Contemp. Musicianshp
3.00 credit hours
VPM 132 Foundations of Contemporary Muscianship Three Credit Hours This course is a foundational introduction to musicianship, music notation, and music theory. A placement test is given to incoming students during the open drop/add period, on which a score of 70% or higher is considered adequate preparation for VPM 143. If a student cannot demonstrate the competencies required, this preparation is satisfied by passing VPM 132 with a grade of "C" or better.
Prerequisites: Consent of Instructor

VPM 143 Musianship I
3.00 credit hours
VPM 143 Musicianship I Three Credit Hours Presents an integrated study and practice of basic musicianship for VPA students: reading, writing, and playing of music, scales, chords, and chord progressions. VPM 143 is required for VPA majors and premajors concentrating in Sound Art, and Sound Art minors, and is available only to students in one of those programs.
Prerequisites: (one of the following): grade of C or better in VPM 132, grade of 70% or higher on the musicianship placement test, or consent of instructor

VPM 219 Composition with Technology
1.00 credit hours
VPM 219 Composition with Technology One Credit Hour Computer-generated music and sound are explored. Students create and present original compositions and/or sound design projects in which originality and experimentation are representative of college-level artistry and creativity standards. A performance and/or recording of these works is expected. Since projects will always be new and unique, VPM students are required to repeat VPM 219 for a total of three (3) credits. Additionally, non-majors and majors may repeat for elective credit. (Formerly MUS 219).
Prerequisites: Consent of Instructor

VPM 232 Introd to Sound Music Technologies
3.00 credit hours
VPM 232 Introduction to Sound Music Three Credit Hours Essential tools, concepts, and applications of audio and music software and hardware to a wide range of related activities, including composing, recording, notation and live audio, as well as basic acoustics and waveform theory. Each student produces projects and/or presentations demonstrating comprehension and application of the topic.
Prerequisites: MUS 143 or consent of instructor

VPM 331 Intro to Music Business
3.00 credit hours
VPM 331 Introduction to Music Business Three Credit Hours Provides an overview of the major areas of music business, including music merchandising, music copyright, contracts, and licensing laws, as well as recording industry production and distrubution, and artist management. Career options and development are also explored, and qualified music-business professionals and performers serve as a guest speakers (when feasible). Field trip to professional music enterprises and/or events may be offered, as available.
Prerequisites: Consent of instructor

VPM 332 Intermediate Sound and Music Techno
3.00 credit hours
VPM332 Intermediate Sound and Music Technologies Three Credit Hours An introduction to a variety of computer software used in electronic music and computer compositional techniques. Emphasizes hands-on instruction in the use of the computer to arrange or compose music, MIDI sequencing programs, digital audio recording, and editing techniques and technologies, and electronic music styles and instruments. (Formerly MUS 332 "Survery of Electronic Music").
Prerequisites: MUS 143, VPM232, or consent of instructor

VPM 432 Advanced Sound and Music Technology
3.00 credit hours
VPM 432 Advanced Sound and Music Technologies Three Credit Hours Sophisticated tools and concepts in digital audio and digital signal processing are explored. Each student completes independent projects that show comprehension and musical/technical application of the topic. Possible projects include complex electro - acoustic and/or computer compositions, audio for video, and original sound design engineering.
Prerequisites: VPM/MUS 332 or consent of instructor

VPM 499 Special Topics in VPM
3.00 credit hours
VPM 499 Special Topics in VPA Sount Art One to Three Credit Hours Focused learning in an area which is not included in the regular VPM Curriculum due to the topic's currency, specificity, level of preparation required, etc. Repeatable for credit with advisor's approval and non-duplicating topics.
Prerequisites: Consent of Instructor

Visual, Performing and Communication Arts - Studio Arts (VPS)

VPS 134 African American Art
3.00 credit hours
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
3.00 credit hours
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
3.00 credit hours
VPS 332 Drawing Three credit hours Advanced compositions including landscape, portrait work, complex still life drawing and conceptual compositions.
Prerequisites: VPA 231, VPG 230, or permission of Department Chair)

VPS 333 Painting I
3.00 credit hours
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.
Prerequisites: VPG 230, VPS 332, or permission of Department Chair

VPS 334 Painting II
3.00 credit hours
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. (
Prerequisites: VPS 333 or permission of Chair)

VPS 432 Figure Drawing
3.00 credit hours
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VPS 433 Illustration Media
3.00 credit hours
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.
Prerequisites: VPS 334 or permission of Department Chair

VPS 434 Studio Sculpture
3.00 credit hours
VPS 434 Studio Sculpture Three Credit Hours Study and application of three-dimensional forms of art utilizing self-drying clay and slab work, plaster and iron oxide dye, paper mache and paper construction, wire work and wood construction. This course includes discussion critique, process, and development of three-dimensional forms of art.
Prerequisites: VPS 334 or permission of Department Chair

Visual, Performing and Communication Arts - Theatre (VPT)

VPT 232 Introduction to Theatre
3.00 credit hours
VPT 232 Introduction to Theatre Three credit hours Study of the theatre as an art form. This course is designed to develop an appreciation of theatre, practicing performance criticism, and studying theatre production processes. (Formerly DRA 232)

VPT 233 Acting
3.00 credit hours
VPT 233 Acting Three credit hours An introduction to the theory and practice of acting, focusing on voice and diction, characterization, improvisation, and role playing.
Prerequisites: VPA 231 or permission of Department Chair

VPT 235 Technical Theatre I
3.00 credit hours
VPT 235 Emphasizes technical aspects of performance with particular attention on stage and set design. (Formerly VPT 435)

VPT 236 Technical Theatre II
3.00 credit hours
VPT 236 Technical Theatre II Three Credit Hours Empahsizes technical aspect of performance with particular attention to light, sound and projection design. (Formerly VPT 436)

VPT 237 Play Analysis
3.00 credit hours
VPT 237: Play Analysis Three Credit Hours This course provides three hour credit for play analysis for students who wish to learn the theatrical elements of plays and how they work dramatically in the VPCA theatre program. PREREQUISITE: VPT 232 or permission of theatre faculty

VPT 330 African- American Film History
3.00 credit hours
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 333 Drama Workshop
3.00 credit hours
VPT 333 Drama Workshop Three credit hours A practical course in the staging of plays. Attention is given to acting, lighting, costuming, make-up, scene design, and other aspects of the art. Lecture and workshop. May be repeated once for credit. Formerly DRA 333.
Prerequisites: VPA 231 or permission of Department Chair

VPT 334 Playwriting
3.00 credit hours
VPT 334 Playwriting Three credit hours A practical course in writing for the stage.
Prerequisites: VPA 233 or permission of Department Chair

VPT 335 Theatre History
3.00 credit hours
VPT 335- Theatre History Three credit hours Theatre History will provide a specific, culturally diverse introductin to the history of the world's theatrical and dramatic traditions. Theatrical movements and genres will be explored and studied. Importance on the plays from history will be used to recognize their periods and meaning in the context of their time. Students will also see through the plays the historical context of social change and the struggle of theatre and the artisits who have produced it. The course will also include the study of how theate influences the diferent cultures, traditions, and societies around the world. Prereq: VPT 232 or Permission Instructor

VPT 350 Scenography
3.00 credit hours
VPT 350: Scenography Three credit hours A study of design theory and style as pertains to the theatre and entertainment industries. Study will include elements of scenery, lighting, costume, sound and projection design.
Prerequisites: VPT 232, VPT 235 and VPT 236

VPT 433 Modern Drama
3.00 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) (Prerequisitive VPA231 or Permission of Chair)

VPT 434 Directing
3.00 credit hours
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 present at the end of the semester. (
Prerequisites: VPT233, VPT 333 (formerly DRA333) or permission of Chair)

VPT 437 Practical Shakespeare
3.00 credit hours
VPT 437 Practical Shakespeare Three credit hours This course provides for continued study regarding Shakespeare's plays, the relevancy and universalism of his writings, with further emphasis placed on the text and how to speak it clearly and passionately. Examine ways in which Shakespeare uses imagery, embodiment, figures of speech, and sounds to evoke his readers'emotions. We also explore contemporary ways in which to bring Shakespeare off the page and alive to students. Students will be on their feet and acting the words of Shakespeare.
Prerequisites: Student must have passed VPT 232 Introduction to Theatre or VPT 233 Acting with a C or better

VPT 438 Advanced Acting
3.00 credit hours
VPT 438: Advanced Acting Three Credit Course Designed to offer continual "on-feet" scene study with particular emphasis upon characterizations, the interaction of characters and the additional exploration of given circumstances and environments. Scene projects will be taken from the modern dramas well as from the classics. Class projects will be augmented by writing assignments and selected readings, including play and character analysis.

VPT 490 Theatre Practicum
1.00 credit hours
VPT 490- Theatre Practicum One Credit Hour This course provides one hour credit for practical experience for students working on production sponsered by the VPCA theatre program. Students may get credit for on stage and/or behind the scenes work. Students may take up to three credit hours.

Women's and Gender Studies

WGS 231 Foundations of Black Womens Studies
3.00 credit hours
This inclusive survey course connects scholar-activists from Anna Julia Cooper, Mary McLeod Bethune, Sadie Tanner Mossell Alexander, and Pauli Murray to Toni Cade Bambara, Barbara Smith, Angela Davis, Patricia Hill Collins, and Kimberlé Crenshaw in ways that center the process of scholarly community building and creative resistance.

WGS 233 Introduction to Gender & Sexuality
3.00 credit hours
This course will provide an overview and analysis of gender and sexuality, focusing on exploring the relationship between gender, gender roles, sexuality, and global social institutions (the economy, family, religion, education). Focus will be given to social institutional changes and social movements.
Prerequisites: CST 131 OR Co-requisite CST 231

WGS 490 Special Topics
3.00 credit hours
WGS 490 Three Credit Hours Various special topics that permit advanced work in different fields of Women, Gender, and Sexuality Studies.

Quick Reference Directory

Office	Phone
Campus Police	(704) 378-1003
Senior Vice President of Academic Affairs and Chief Academic Officer	(704) 378-1490
Academic Support Services	(704) 378-1270
Senior Vice President of Student Affairs and Enrollment Management	(704) 378-1181
Health and Wellness	(704) 378-1135
Director of Admissions	(704) 378-1010
Director of Alumni Affairs	(704) 378-1119
Director of Athletics	(704) 378-1205
Director of Student Leadership and Engagement	(704) 378-1045
Director of University Communications and Marketing	(704) 378-1032
Director of Financial Aid	(704) 378-1035
Coordinator of Housing	(704) 378-1099
Director of Student Activities	(704) 378-1046
Director of James B. Duke Memorial Library	(704) 371-6740
General Information	(704) 378-1000
Office of the President	(704) 378-1007
Student Health Center	(704) 378-1075
University Bookstore	(704) 378-1048
University Registrar	(704) 378-1108

Senior Vice President of Finance and Administration	(704) 378-1087
Senior Vice President of Institutional Advancement	(704) 378-1020

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2023-2024

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Trustee Sheila R. Brown, D.D.S. '77
S.R.B. Dental, P.C.

Trustee Janice Dupré
Lowe's Companies, Inc.
Executive Vice President, Human Resources

Trustee Ric Elias
Red Ventures
Co-Founder & CEO

Trustee James Ely III '88
Johnson and Johnson Consumer Health
Managing Director, Zarbee's, Inc.

Trustee Ralph H. Groce III
Bank of New York Mellon
Managing Director/Chief Information Officer for Issuer Services

Trustee Michael Jones
Ranpak Holdings
Vice Chairman and Managing Director, North America

Trustee Mike Lamach
Trane Technologies
Executive Chair and Chief Executive Officer (Retired)

Trustee Michelle Y. Lee
Wells Fargo Bank, N.A.
Regional Banking Executive Eastern Region

Trustee Patricia R. Morton
PRM Advisors, LLC
Founder and CEO

Trustee Eugene Woods
Atrium Health
President and CEO

Trustee Emeriti

Mr. Thomas E. Baldwin, Chair Emeritus
Ms. Peggy Culbertson
Mrs. Mattie S. Grigsby
Dr. Argie Knox Johnson
Mr. Pettis Norman
Dr. Douglas M. Orr, Jr.
Dr. Clarence W. R. Wade, Chair Emeritus

Executive Cabinet

2023-2024

```
Valerie Kinloch, B.A. '96, M.A., Ph.D. — President
Diane Bowles, B.S., M.Ed., Ph.D.  — Vice President of Government
 Sponsored Programs and Research (GSPAR)

 and Director of Title III Programs
Teare M. Brewington, B.S., M.B.A. — Senior Vice President of
 Finance and Administration
Davida L. Haywood, B.S. '98, M.A., Ph.D. — Vice President of
 Student Affairs and Enrollment Management
Nicole L. McDonald, B.A., M.Ed., Ph.D. — Senior Vice President of
 Transformation Initiatives
Karen D. Morgan, B.A., M.S., Ph.D. — Senior Vice President of
 Academic Affairs and Chief Academic Officer
Joy Paige Springs, B.A., B.S. — Senior Vice President of
 Institutional Advancement
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Rochelle L. Woods, B.A., M.A., Ph.D. — Senior Vice President of Operational Excellence

University Presidents

Johnson C. Smith University Presidents Emeriti

President	Years
Dr. Robert L. Albright, President Emeritus	1994
Dr. Dorothy Cowser Yancy, President Emeritus	2008

Johnson C. Smith University Presidents

President	Years
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 McCrory	1907-1947
Dr. Hardy Liston, Sr.	1947-1956

Dr. James Ward Seabrook	1956-1957 (Interim President)
Dr. Rufus Patterson Perry	1957-1968
Dr. Lionel H. Newsom	1969-1972
Dr. Wilbert Greenfield	1973-1982
Mr. Mack Davidson	1982-1983 (Interim President)
Dr. Robert L. Albright	1983-1994
Dr. Maxine Funderbunk Moore	June-September 1990 (Interim President)
Dr. Dorothy Cowser Yancy	March-October 1994 (Interim President), 1994-2008
Dr. Ronald L. Carter	2008-2017
Mr. Clarence D. Armbrister	2018-2023
Mr. Steven L. Boyd '79	July 2023 (Interim President)
Dr. Valerie Kinloch '96	August 2023 - Present

Faculty

A

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Medical Technology Program, 2006, Wake Forest Baptist Medical Center
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H

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Johnson C. Smith University Faculty Emeriti

Name	Title
Dr. Baldeo Kumar Chopra	Professor of Biology
Dr. Henry F. Russell	Professor of Chemistry
Dr. Joseph Turner	Professor of English
Dr. Daniel Hoffman	Professor of Political Science
Dr. Hampton Wright	Professor of Mathematics
Dr. Dorothy Cowser Yancy	Professor of History and Political Sciences

Student Grievances

Student Grievance Policy

JCSU has established the Student Grievance Policy to give students a forum in which to express concerns related to issues involving students, faculty, staff, and other members of the JCSU community. The University will work to resolve student concerns as quickly as possible. It is the University's goal that a student's concerns will be resolved within a period not to exceed 60 days. However, the time period for resolving grievances will depend largely on the facts and circumstances at issue and may be expanded when necessary and/or appropriate to reach a resolution.

The University defines a 'Grievance' as any concern raised by a student (the Complainant) against another member of the JCSU community (the Respondent) regarding alleged violations of University policies and procedures, including, but not limited to JCSU's Student Conduct policies, suspected discrimination, assault, sexual violence and harassment,

and perceived inadequacies in matters of operational efficiency and/or customer service.

The Student Grievance Policy is not intended to replace those policies and procedures related to academic grievances and alleged violations of academic integrity. For more information on academic grievances and integrity policies and procedures, please refer to the 2023-2024 University Catalog Academic Regulations Student Grievance Process. These types of matters will be handled in accordance with those policies and procedures.

The Student Grievance Policy is intended to work in conjunction with other University policies, including the Sexual Discrimination/ Harassment/Assault Policy and the Standards of Conduct and Student Conduct Process.

A Complainant having what he or she believes to be a Grievance should, whenever possible and reasonable, attempt to discuss the problem with the Respondent and reach an informal resolution. This informal process is desirable but not mandatory. However, if the Grievance pertains to perceived discrimination, harassment or an assault, the Complainant should immediately proceed to the next step.

If a Complainant is dissatisfied with the informal resolution, is unable to reach an informal resolution, or feels the informal resolution process is not appropriate, the Complainant should follow one of the following processes, depending on the nature of the Grievance.

A. Grievances Involving Perceived Harassment, Sexual Violence, Assault, and/or Discrimination

For Grievances involving perceived sexual harassment, sexual violence, sexual assault, and/or sexual discrimination, a Complainant should refer to the University's Sexual Discrimination/Harassment/Assault Policy for proper reporting and resolution procedures.

For Grievances involving other types of perceived discrimination and/ or harassment, a Complainant should refer to the University's Anti-Discrimination and Anti-Harassment Policy for proper reporting and resolution procedures.

B. Grievances Involving Perceived Student Standard of Conduct Violations that do not Involve Harassment, Sexual Violence, Assault, and/or Discrimination

For Grievances involving perceived Student Standard of Conduct violations that do not involve harassment, sexual violence, assault, and/or discrimination, a Complainant should put his or her concerns in writing and submit them to the Campus Police. The Campus Police will conduct an investigation, if necessary, to determine whether allegations may potentially involve a violation of student conduct policies and related procedures. If the Grievance involves Campus Police, it should be submitted to the Office of Human Resources.

If a Complainant's Grievance **does not potentially** involve violation of student conduct policies, no disciplinary proceedings will be initiated by the University. Instead, the Dean of Enrollment Management and Student Engagement or his or her designee will attempt to reach an informal resolution with Complainant, Respondent, and any other involved individuals. If an informal resolution cannot be reached, the Dean of Enrollment Management and Student Engagement will provide a written determination to the parties with his or her resolution. This determination will be final, and the Complainant has no right of appeal. If a Complainant's Grievance does potentially involve violation of student conduct policies, disciplinary proceedings will be initiated by the University against any parties involved in the Grievance in accordance with the University's Student Conduct Process. A Complainant's Grievance is considered closed upon exhaustion of the University's disciplinary proceedings, and a Complainant has no right of appeal.

C. Grievances Involving Perceived Inadequacies in Customer Service/Operational Efficiency

For Grievances involving perceived inadequacies in customer service and/or operational efficiency, a Complainant should put his or her concerns in writing and submit them to the Office of the Executive Vice President/Chief Operating Officer or his/her approved designee.

The Office of the Executive Vice President/Chief Operating Officer or his/her approved designee will forward the Grievance to the appropriate University official with requisite responsibility for resolution.

The University official with requisite responsibility for resolution will attempt to reach an informal resolution with the Complainant, Respondent, and any other involved individuals.

If an informal resolution cannot be reached, the University official with requisite responsibility will provide a written determination to the parties with his or her proposed resolution.

If Complainant or Respondent is not satisfied with the determination made by the University official, either party may request that the determination be reviewed by the Executive Vice President/Chief Operating Officer or his/her approved designee. All requests for review submitted to the Executive Vice President/Chief Operating Officer or his/her approved designee must be in writing and submitted within five academic calendar days after receiving the written determination from the University official.

The Executive Vice President/Chief Operating Officer or his/her approved designee may adopt the determination, overturn it, or make a different determination. The Executive Vice President's/Chief Operating Officer's determination regarding the Grievance will be final, and there is no further right of appeal.

D. Grievances Involving Other Alleged Violations of University Policies & Procedures

For all other Grievances, a Complainant should put his or her concerns in writing and submit them to the Office of the Dean of Enrollment Management and Student Engagement. Written complaints must be clearly stated and specific and submitted via the JCSU Student Portal (my.jcsu.edu (http://my.jcsu.edu)). Student Grievance Form is located under the Student Life section.

The Office of the Dean of Enrollment Management and Student Engagement will acknowledge receipt of the grievance and attempt to resolve the Complaint within 10 business days.

The Office of the Dean of Enrollment Management and Student Engagement will forward the Grievance to the appropriate University official with requisite responsibility for resolution.

The University official with requisite responsibility for resolution will attempt to reach an informal resolution with the Complainant, Respondent, and any other involved individuals.

If an informal resolution cannot be reached, the University official with requisite responsibility will provide a written determination to the parties with his or her proposed resolution.

The University official's determination regarding the Grievance will be final, and there is no further right of appeal.

Written Complaints and supporting documents will be retained in the electronic database and on file in the Office of the Dean of Enrollment Management and Student Engagement.

E. Grievances Involving Academic Concerns

In the event of a grievance regarding an Academic issue, the aggrieved student must initiate the process. The process may be initiated electronically through the portal or by using the Grievance Form in the Academic Catalog.

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 and both student and respondent should keep a record, and the person against whom the complaint was made should be informed of the resolution, with copies forwarded to the college/school dean.

If the grievance is not resolved, the student is entitled to bring the concern to the Dean of the College/School.

If the grievance is not resolved, the same procedure moves up the leadership chain to the Senior Vice President of Academic Affairs. A determination by the Senior Vice President of Academic Affairs is final.

F. North Carolina Student Complaint Process for Independent Institutions

Johnson C. Smith University students may utilize the complaint process available at the N.C. Department of Justice, Consumer Protection Division concerning matters related to the University.

The Consumer Affairs Division will investigate and work to resolve complaints arising under North Carolina law which may arise against North Carolina Independent Colleges and Universities (NCICU) institutions.

To access the Consumer Affairs Division's website, visit http://ncdoj.gov/Consumer.aspx (http://www.ncdoj.gov/Consumer.aspx). This website includes directions on how a consumer can reach them as well as a link to the online complaint form.

The mailing address of the Consumer Affairs Division of the North Carolina Department of Justice is:

North Carolina Department of Justice
Consumer Protection Division
9001 Mail Service Center
Raleigh, NC 27699-9001
The phone number is 1-877-566-7226

An online complaint form is available at: www.ncdoj.gov/complaint (http://www.ncdoj.gov/complaint/)

Johnson C. Smith University has provided this disclosure in compliance with the requirements of the Higher Education Act of 1965, as amended, as regulated in CFR 34, Sections 600.9 (b) (3) and 668.43(b). Nothing in this disclosure should be construed to limit any right that the student may have to take civil or criminal legal action to resolve your complaints.

G. Online Degree Complaint Process

North Carolina State Authorization Reciprocity Agreement

You may choose to file a complaint by filling out the SARA-NC Complaint form, which can be found here: http://www.saranc.org/docs/SARA-NC-ComplaintForm.pdf

For additional information please visit the SARA North Carolina Student Complaint Process page: http://www.saranc.org/Complaint.html

North Carolina Students may also choose to file a complaint by visiting the State of North Carolina Post-Secondary Education Complaints page (https://www.northcarolina.edu/post-secondary-education-complaints/).

Outside of North Carolina – State Higher Education Executive Officer Association

Students outside of North Carolina should visit the State Higher Education Executive Officer Association (SHEEO) (https://sheeomain.wpengine.com/project/state-authorization-surveys/) for information on filing complaints in your home state.

H. Southern Association of Colleges and Schools Commission on Colleges (SACSCOC)

To file a complaint against the institution for alleged non-compliance with a standard or requirement you may contact the university's accrediting body, SACSCOC. Complaints may also be filed with the Southern Association of Colleges and Schools Commission on Colleges by filling out the SACSCOC Student Complaint form.

Normal inquiries about JCSU, such as admission requirements, financial aid, educational programs, etc.should be addressed directly to JCSU and not to the Commission's office.

The Commission can be contacted at:

Commission on Colleges
1866 Southern Lane
Decatur, GA 30033
(404) 679-4500
Fax: (404) 679-4558
sacscoc.org (http://sacscoc.org)

Format of Academic Grievance Records

You may access the link to learn more about the Format of Academic Grievance Records.

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