



Jacksonville State University
JSU Digital Commons

Announcements, Bulletins & Catalogs

University Bulletin & Catalog Collection

5-1-2018

Catalog | 2018-2019 (May)

Jacksonville State University

Follow this and additional works at: https://digitalcommons.jsu.edu/lib_ac_bul_bulletin

Recommended Citation

Jacksonville State University, "Catalog | 2018-2019 (May)" (2018). *Announcements, Bulletins & Catalogs*. 218.

https://digitalcommons.jsu.edu/lib_ac_bul_bulletin/218

This Book is brought to you for free and open access by the University Bulletin & Catalog Collection at JSU Digital Commons. It has been accepted for inclusion in Announcements, Bulletins & Catalogs by an authorized administrator of JSU Digital Commons. For more information, please contact digitalcommons@jsu.edu.

Jacksonville State University

Jacksonville, Alabama

Jacksonville State University is accredited by the
Southern Association of Colleges and Schools Commission on Colleges,
1866 Southern Lane, Decatur, GA 30033-4097, telephone 404-679-4500,
at <http://www.sacscoc.org>,
to award Bachelor's, Master's, Educational Specialist, and
Doctoral Degrees.

CATALOG 2018-2019

One Hundred Thirty-Sixth to Thirty-Seventh Years

Issued by Jacksonville State University, Jacksonville, Alabama 36265. Entered as Third Class Matter at the Post Office at Jacksonville, Alabama, under the Act of August 24, 1912, U.S.P.S., number 078-680.

VOLUME CVII

MAY 2018

NUMBER I

Jacksonville State University is accredited by the Southern Association of Colleges and Schools Commission on Colleges, 1866 Southern Lane, Decatur, GA 30033-4097, Telephone: 404-679-4500, at <http://www.sacscoc.org> to award bachelor's, master's, educational specialist, and doctoral degrees.

Specific areas within JSU are also accredited by national accrediting agencies; the names and addresses of those agencies are listed below.

National Association of Schools of Art and Design

11250 Roger Bacon Drive, Suite 21
Reston, VA 20190
Telephone: (703) 437-0700

National Association of Schools of Music

11250 Roger Bacon Drive, Suite 21
Reston, VA 20190
Telephone: (703) 437-0700

National Association of Schools of Theatre

11250 Roger Bacon Drive, Suite 21
Reston, VA 20190
Telephone: (703) 437-0700

Council on Social Work Education

1701 Duke Street, Suite 200
Alexandria VA 22314-3457
Telephone: (703) 683 -8080

National Council for Accreditation of Teacher Education/CAEP

1140 19th Street, Suite 400
Washington, DC 20036
Telephone: (202) 223-0077

Alabama State Department of Education

50 North Ripley Street
P.O. Box 302101
Montgomery, Alabama 36104
Telephone: (334) 242-9700

Commission on Collegiate Nursing Education

655 K Street NW, Suite 750
Washington, DC 20001
Telephone: (202) 887-6791

Computing Accreditation Commission of ABET, Inc.

415 North Charles Street
Baltimore, MD 21201
Telephone: (410) 347-7700

Commission on Accreditation for Law Enforcement Agencies, Inc.

13575 Heathcote Boulevard, Suite 320
Gainesville, Virginia 20155
Telephone: (703) 352-4225

Commission on Accreditation for Respiratory Care*

1248 Harwood Road
Bedford, TX 76021-4244
817-283-2835

*Provisional Accreditation Status

Association for Behavior Analysis International

Accreditation Board 550 W. Centre Ave
Portage, MI 49024
Telephone: (269) 492-9310

AACSB International - The Association to Advance Collegiate Schools of Business

777 South Harbour Island Blvd, Suite 750
Tampa, FL 33602
Telephone: (813) 769-6500

The Association of Technology, Management, and Applied Engineering

3810 Lake Boone Trail, Suite 190
Raleigh, NC 27607
Telephone: (919) 635-8335

Accrediting Council on Education in Journalism and Mass Communications

1435 Jayhawk Blvd.
Lawrence, KS 66045
Telephone: (785) 864-3973

Council for Accreditation of Counseling and Related Educational Programs

1001 North Fairfax Street, Suite 510
Alexandria, VA 22314
Telephone: (703) 535-5990

Accreditation Council for Education in Nutrition and Dietetics

120 South Riverside Plaza, Suite 2190
Chicago, IL 60606
Telephone: (800) 877-1600

American Association of Family and Consumer Sciences

400 N. Columbus Street, Suite 202
Alexandria, VA 22314
Telephone: (703) 706-4600

National Association of Public Affairs and Administration

1029 Vermont Ave. NW, Suite 1100
Washington, DC 20005-3517
Telephone: (202) 628-8965

TABLE OF CONTENTS

Board of Trustees	4
Mission Statement	5
General Information – Introduction	6
Requirements for Admission	6
Tuition and Fees, Financial Policies	12
Financial Aid	16
Housing Operations and Residence Life	21
Academic Regulations	23
Student Regulations/Information	36
Summary of Degrees/Requirements	43
Bachelor of Arts	44
Bachelor of Fine Arts	44
Bachelor of Science	44
Bachelor of Science in Education	45
Bachelor of Social Work	45
Bachelor of Science in Nursing	45
Bachelor of Science in Respiratory Therapy.....	45
Pre-Professional Concentrations	45
School of Arts and Humanities	46
School of Business and Industry	79
School of Education	108
School of Health Professions and Wellness.....	133
School of Human Services and Social Sciences.....	156
Department of Military Science	169
School of Science.....	186
Student Affairs	219
Cooperative Education Program	220
Administration	221
Staff.....	225
Faculty	236
Key to Departmental/Course Abbreviations	248
Index	249

The institution reserves the rights to correct, alter, amend, or modify any item contained in the catalog. The university reserves the right to make changes as required in course offerings, curricula, academic policies and other rules and regulations affecting students, to be effective whenever determined by the university. The institution reserves the right to withdraw any course and close or divide sections whenever it is deemed appropriate. These changes will govern current and formerly enrolled students. Enrollment of all students is subject to these conditions. Any such changes will be shown in the schedule of classes, or will be available in the Registrar's Office and/or the offices of the schools' dean(s).

BOARD OF TRUSTEES

Trustee Name	District	Term
THE HONORABLE KAY IVEY	Governor of Alabama	President Ex Officio
SENATOR VIVIAN DAVIS FIGURES	First	2012-2023
MS. GALE SAXON MAIN	Second	2012-2023
MR. WILLIAM RONALD SMITH (CHAIR)	Third	2004-2016
MR. GREG BROWN	Third	2016-2021
MR. CLARENCE W. DAUGETTE III	Fourth	2012-2023
MR. RANDALL JONES	Fifth	2008-2015
MR. RUSTY FULLER	Sixth	2016-2019
MR. THOMAS W. DEDRICK, SR. (VICE CHAIR)	Seventh	2008-2019
MR. RANDY OWEN	At Large	2000-2024
MR. TONY INGRAM	Out of State, At Large	

HISTORY OF JACKSONVILLE STATE UNIVERSITY

From modest beginnings, Jacksonville State University has evolved into the educational center of northeast Alabama. The Alabama Legislature in the 1882-83 session created a state normal school when Governor Edward O'Neal signed into law a bill creating the school on February 22, 1883. Jacksonville State Normal School acquired the facilities and equipment of Calhoun College, consisting of twelve acres of land and a two-story brick building. The Board of Directors elected James G. Ryals, Jr., as the first president. The school opened with three instructors: W. J. Borden, Mathematics; Eliza A. Bowen, English; and Ida J. Woodward, primary department. As stipulated in the establishing act, the Normal School conducted a preparatory school for children of the town and surrounding areas. At the end of the first year, on August 15, 1884, William Mark Haymes, President of the Board of Directors, reported that funds totaling \$4,751.25 had been received, including \$2,500 from the state, that 25 students were enrolled in the normal school, and that 222 were in the preparatory school.

The Normal School remained in operation until 1930 when it became Jacksonville State Teachers College, reflecting an increasing higher education role for the Institution. Five years later, the College earned regional accreditation from the Southern Association of Colleges and Schools. In 1957, the name changed again, to Jacksonville State College, when the first graduate program – the master's degree in elementary education was created. On August 2, 1966, the Legislature authorized the State Board of Education to elevate the college to university status. On August 17, 1967, the Legislature established an independent Board of Trustees for the university and divested jurisdiction from the State Board of Education.

Jacksonville State University has been served by twelve presidents: James G. Ryals, Jr. (1883-1885), J. Harris Chappell (1885-1886), Carlton Bartlett Gibson (1886-1892), J. B. Jarrett (1892-1893), Jacob Forney IV (1893-1899), Clarence William Daugette (1899-1942), Houston Cole (1942-1971), Ernest Stone (1971-1981) Theron E. Montgomery (1981-1986), Harold J. McGee (1986-1999), William A. Meehan (1999-2015), and John M. Beehler (2015-present).

Jacksonville State University has developed into a modern comprehensive regional university serving northeast Alabama on a 459-acre campus with 58 buildings. In addition, the university operates off-campus centers at JSU-Gadsden, Brookstone and JSU-McClellan. Through its programs of teaching, research, and service, Jacksonville State University has served the region and state for more than 135 years.

MISSION STATEMENT

Jacksonville State University, as a learning-centered community, provides distinctive educational, cultural and social experiences to prepare students to be competent, ethical professionals and engaged, responsible, global citizens.

VISION STATEMENT

Jacksonville State University will be recognized nationally for excellence in providing a transformational learning environment that supports student success and engagement, regional stewardship and innovation.

CORE VALUES

Jacksonville State University is committed to:

- Student-Centered Culture
- Excellence
- Transformation
- Innovation
- Engagement
- Stewardship
- Integrity
- Inclusivity

KEY STRATEGIC INITIATIVES

- Increase Enrollment
- Expand Regional Stewardship
- Enhance University Resources
- Expand Innovative Educational Experiences
- Enhance Branding and Marketing
- Enhance Human Capital
- Enhance University Infrastructure

GENERAL INFORMATION

INTRODUCTION

Jacksonville State University is a multipurpose institution, located in northeast Alabama. It offers the B.A., B.F.A., B.S., B.S.E., B.S.N., B.S.R.T., B.S.W. degrees and, in addition, basic engineering and pre-professional training for medicine, law, veterinary medicine and pharmacy.

In addition, to its undergraduate program, the university offers graduate study in the M.A., M.S., M.S.E., M.S.W., M.B.A., M.P.A., M.S.N., Ed.S., D.N.P., and D.Sc. degrees. Detailed information concerning these degrees may be found in the *Graduate Catalog* published separately.

Summer sessions are also provided. During these sessions, credit may be earned toward graduation or may be used in securing, extending or renewing teachers' certificates.

The Department of the Army operates a Senior Program of General Military Science, Reserve Officers' Training Corps at Jacksonville with either a two- or four-year program of instruction. The ROTC program at Jacksonville State University is currently ranked by the U.S. Army as sixth of all ROTC programs in Alabama, Mississippi, Louisiana and the Florida panhandle.

One of the most valuable agencies in the academic life of any university is the library. As such, the library at Jacksonville receives sufficient funds for the purchase of books and material to keep it adequate for the needs of both undergraduate and graduate students.

The campus itself is located on the northern edge of the city and has had considerable landscaping, which has greatly accentuated its natural beauty.

INSTITUTIONAL AND FINANCIAL ASSISTANCE INFORMATION FOR STUDENTS

Federal regulations require educational institutions to disclose certain information to enrolled students, prospective students, parents, and employees. This information includes the Family Education Rights and Privacy Act, deferment procedures for students receiving the FFEL/Direct Loans for Peace Corps or volunteer services, financial assistance programs, general institutional information (such as curriculum and costs), graduation rates, campus security report, drug free workplace policy, athletic program participation rates, and financial support data. Detailed information on these items is located on the Jacksonville State University website (www.jsu.edu) or at other locations described on the website.

ADMISSION TO THE UNIVERSITY

Information regarding admission to the university and all necessary forms for admission may be obtained by contacting the Office of Admissions, Jacksonville State University, 700 Pelham Road North, Jacksonville, Alabama, 36265-1602. You can also visit www.jsu.edu/apply or email info@jsu.edu for more information.

All prospective students are required to submit the following: (1) a completed application, (2) a non-refundable application fee of \$35.00 or applicable fee waiver, and (3) appropriate academic credentials (See following section on Application Procedures).

Students are admitted prior to the beginning of each semester. **It is strongly recommended that students apply at least three months prior to the expected date of enrollment.** It is the student's responsibility to see that the requirements for admission are submitted to the Office of Admissions. These documents must be sent to JSU directly from the high school, college, or testing agency. Decisions regarding admissibility to the university will be made as soon as all necessary credentials are received in the Office of Admissions. Admissions decisions are assigned only for the term a student applies. Students who have been admitted to JSU but do not enroll are required to submit an updated admissions application and meet the admission requirements for the updated term and student type.

JSU offers some academic programs which have additional assessment requirements beyond those listed below for admission to the university. Acceptance to JSU does not constitute assessment by any of these programs. Students who desire to study in academic programs that have additional requirements should refer to the academic program for information regarding requirements to study in that area.

NONDISCRIMINATION

Jacksonville State University has filed with the Federal Government an Assurance of Compliance with all requirements imposed by or pursuant to Title VI of the Civil Rights Act of 1964 and the Regulation issued thereunder, to the end that no person in the United States shall, on the ground of age, religion, race, color, sex, disability, veteran's status, or national origin, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity sponsored by this institution. Under this Assurance, this institution is committed not to discriminate against any person on the ground of age, religion, race, color, sex, disability, veteran's status, or national origin in its admission policies and practices or any other policies and practices of the institution relating to the treatment of students and other individuals, including the provision of services, financial aid and other benefits, and including the use of any building, structure, room, space, material, equipment, facility or other property. Any person who believes himself/herself, or any specific class of individuals, to be subjected to discrimination prohibited by Title VI or the Act and Regulation issued thereunder may, by himself/herself or a representative, file a written complaint with the United States Commissioner of Education or with this institution, or both.

SELF-DISCLOSURE

Jacksonville State University is committed to maintaining a safe, learning-centered setting for all persons in the

community. In support of this commitment, JSU requires all applicants to answer questions related to disciplinary history at educational institutions and felony history. Previous disciplinary action and/or felony history will not automatically bar applicants from admission but will require review. Applications requiring review should arrive at least two months prior to start of classes.

APPLICATION FEE WAIVER

JSU will accept an application fee waiver from ACT or CollegeBoard for first year students who obtained a test score fee waiver from the agency. A copy of that waiver which indicates the unique code from the agency must be sent to the Office of Admissions in order for the application to be processed. When the Office of Admissions receives the required fee waiver, the application will be processed. In order for the Admissions Office to process the application applicants must meet the admission requirements for the term they are applying for. Applicants who submit an application and accompanying fee waiver and do not meet requirements at the time will not be processed until all admission requirements are met. All other requests, including NACAC fee waivers, will not be considered.

APPEALS

In addition to the specific requirements set forth below, the Admissions Office shall consider the appeals of applicants who are not admissible to the university due to not meeting the minimum ACT/SAT score requirement, the minimum high school grade point average requirement, the minimum college/university grade point average requirement or suspension from a prior college. To appeal to the Admissions Office, all required documents should be submitted to the Admissions Office by July 1 for the fall semester, November 1 for the spring semester and April 1 for the summer semester. Applicants who apply after the aforementioned dates who wish to petition will have the opportunity to do so for the next term. The institution reserves the right to reject by action of the Admissions Office the application of any individual whose characteristics or actions are considered detrimental to the institution. All applicants will be notified concerning admission as soon as all their records have been processed. A student who is denied admission by the Admissions Office and whose appeal is denied by the Admissions Office has the right to appeal to the president of the university whose decision is final.

APPLICATION PROCEDURES

I. First Year Students (never attended college/university or only attended as a dual enrollment student)

First year student applications should be submitted after completion of the junior year of high school. It is recommended that first year students apply for admission before graduating from high school. High school graduates are admitted on the basis of both an acceptable high school record and the score on the ACT or SAT. Students who seek admission as a first year student to the university must satisfy all requirements for transfer admission, as follows:

- Minimum high school GPA and graduation with acceptable diploma type
- Minimum ACT or SAT scores

Jacksonville State University admits students who have demonstrated that they are capable of college level work and have a reasonable chance to successfully complete a college degree. Students without academic skill deficits or with minimal academic skill deficits (verbal communication, mathematics and reading), as demonstrated by high school record, ACT or SAT scores and other reasonable evidence, are admitted unconditionally. Students with moderate academic skill deficiencies, which are likely to require more than one semester for successful remediation, will be conditionally admitted. Conditionally admitted students must be enrolled continuously in prescribed developmental studies courses and other assigned activities until all academic skill deficiencies are eliminated. All admitted students must successfully eliminate all academic skills deficiencies within twelve months of admission or, if not enrolled on a continuing basis, the first twenty-four hours of attempted academic credit.

First year students who apply for admission but have not attended high school or a secondary education institution in eight (8) or more years or are at least 25 years of age must submit proof of high school graduation or the equivalent, but are exempt from the grade point average and ACT/SAT requirement listed in the sections. First year students in this category may choose to take the ACT/SAT for placement into the appropriate level of English. Students in this category who do not choose to submit a standardized test score will be placed in English after consultation with the Department of English.

- A. High School Transcript – Prior to graduation, an official high school transcript is required indicating the GPA of work completed through the junior year of high school. To be offered provisional admission before high school graduation, applicants should have a cumulative high school grade point average of 2.00 on a 4.00 scale (75/100). Upon graduation, an official high school transcript showing the date of graduation and type of diploma received is required. To meet admission requirements, applicants should have graduated with an acceptable diploma and a high school cumulative grade point average of 2.00 on a 4.00 scale (75/100).
 1. Transcripts must be sent from the high school by mail or email. Mailed transcripts should be in a sealed envelope and emailed transcripts should indicate the sending address is a school official. Students are encouraged to emphasize the following subjects in their high school programs: English, social studies, mathematics, foreign languages, and the natural sciences.
 2. Students who have earned college credit while in high school through dual enrollment must request the credit awarding institution to send a transcript indicating the credit is not conditional or pending.
 3. Non-graduates of high school may apply if they have passed the high school level General Education Development (GED) test and present an official score report of their test results. The score report should be sent to JSU directly from the testing agency or should be placed in a sealed envelope from the testing agency

and presented unopened to the Admissions Office.

- B. Standardized Test Scores (ACT/SAT) – First year students are also required to submit official scores. The minimum score for conditional admission is an ACT Composite of 18 or SAT combined Critical Reading and Math of 870. JSU does not combine test scores to create a super score. The writing score is not utilized for admission purposes.

Freshman Admissions Categories		
	Qualifications	Requirements
Unconditional Admission	ACT Composite 20 or above SAT Combined Critical Reading and Math 950 or above High School Grade Point Average 2.00 on 4.00 scale*	Must successfully remediate skill deficiencies within one year
Conditional Admission	ACT Composite 18-19 SAT Combined Critical Reading and Math 870-940 High School Grade Point Average 2.00 on 4.00 scale*	Must be continuously enrolled in prescribed developmental skills courses; participate in prescribed counseling and advisement activities; and remediate all academic skill deficiencies (including LS-104) within one year

* Applicants must also provide evidence of high school graduation with an acceptable diploma. Successful completion of the GED is acceptable in lieu of high school graduation. GPA will be taken from the final high school transcript provided to the Admissions Office after graduation. Students will be provisionally admitted until the final high school transcript has been received by the Admissions Office. Once the final transcript has been received, the GPA will be reviewed and must meet the required minimum for admission.

- C. JSU dual enrollment students who have completed at least one course and remain eligible to take other courses as dual enrollment students will be considered for unconditional admission to the university as first year students. ACT or SAT scores will not be reviewed for the admission decision, only for placement purposes. ACT or SAT scores are still required for scholarship consideration. These students must still meet the high school GPA requirement of 2.00.
- D. The Admissions Office shall consider the appeals of applicants who are not admissible to the university due to not meeting the minimum ACT/SAT score requirement or minimum grade point average. To appeal to the Admissions Office, first year students should submit a letter/email of appeal from the student explaining any extenuating circumstances and why an exception to admission requirements should be granted, and a letter/email of recommendation on school stationery/from school email from a high school teacher who taught the student in a required academic subject (i.e. – English, mathematics, social studies, or science) during the junior or senior year.

II. Transfer Students (never attended JSU but have attended a college/university)

Transfer applications should be submitted as soon as there is interest in attending JSU. Students who seek to transfer to the university after attending another accredited college or university must satisfy all requirements for transfer admission as follows:

- Minimum cumulative grade point average of 2.00 (GPA used is that which is computed by JSU).
 - Eligible to re-enter all institutions previously attended.
- A. The university reserves the right to accept or deny coursework presented for transfer. Coursework from regionally accredited institutions will be accepted as equivalent courses at JSU provided JSU offers an equivalent course at the appropriate level. Credit for any course or part of a course will not be granted twice. Courses not having equivalents at JSU may be accepted as an elective. The transfer decision will be made on a course-by-course basis by the Registrar’s Office during the credit evaluation process. For additional information, such as appeals of transfer credit, students may contact the Registrar’s Office. Grades earned with a “D” or higher from other institutions will be used in computing the **transfer grade point average. Students transferring coursework are advised that program GPA requirements will be based on *institutional GPA requirements as well as resident requirements when considering assessment into or retention in certain programs, major and minor requirements, and graduation requirements. Courses with grades of “D” will be accepted except for certain JSU courses listed in the catalog with a grade mode of NC (no credit). However, a course in which a “D” grade has been earned is not creditable toward the major and/or minor requirements and may not be creditable toward some specific program requirements. If transfer courses are repeated at the transfer institutions, only the highest grade will be initially evaluated. Additionally, “I,” “F,” “W,” “WP” and “WF” grades in courses will not transfer. Any transfer course evaluated after the initial evaluation, in which that course has been repeated, will transfer but will not be included in the transfer GPA or hours earned. Transfer students with a GPA of 2.00 or greater will be provisionally admitted until the final college transcript has been received by the Admissions Office. Once the final transcript has been received, the transfer GPA will be recalculated and must meet the required minimum for admission. Students academically ineligible to return to the last institution attended may not be admitted to JSU.

Students under disciplinary probation or suspension at other institutions are not eligible to enroll at JSU. They may appeal to the Admissions Committee for consideration of their individual situation.

- B. Transfer students are required to present one official transcript from each institution previously attended. It is the responsibility of the applicant to ensure transcripts are sent to JSU. These transcripts must be sent to JSU directly from the institution or placed in a sealed envelope from the institution and presented unopened to the Office of Admissions. JSU accepts transcripts sent electronically through sending networks. (Contact the college/university sending the transcript to determine if this is an option at that institution.)
- C. If fewer than 24 semester hours are accepted, based on hours computed by JSU, students must also fulfill all requirements listed under the First Year Student Admissions section unless the applicant has an associate's degree from an accredited institution.
- D. Students may transfer from a two-year college at any time. Although an unlimited number of hours are acceptable from a two-year college, students must earn a minimum of 60-64 semester hours, depending on major, from a four-year college or university, 32 of which must be earned from JSU.
- E. Students under academic probation at other accredited institutions are admissible to JSU on probation, provided they are eligible to return to that institution. Students academically ineligible to return to previous institutions attended may not be admitted to JSU. They may, however, appeal to the Admissions Committee for consideration of their individual situation. Students under disciplinary probation or suspension at other institutions are not eligible to enroll at JSU. They may, however, appeal to the Vice President for Student Affairs for consideration of their individual situation. Students with less than 2.00 cumulative GPA may be considered for admission after a review by the Admissions Office. The GPA will be computed from all transcripts received by the Admissions Office at the time of application. In order for a review of the application to occur, all transcripts from previously attended colleges/universities must be in the Admissions Office. The Admissions Office shall consider the appeals of applicants who are not admissible to the university due to not meeting the minimum college/university grade point average requirement or suspension from a prior college. To appeal to the Admissions Office, transfer students should have submitted all requirements for admission and a letter of appeal explaining any extenuating circumstances and why an exception should be granted.
- F. AGSC/STARS: the Alabama Articulation and General Studies Committee/Statewide Transfer and Articulation Reporting System is part of a system created by Alabama legislation designed to help a student transfer from one institution to another. This system is a course-by-course display of Alabama two-year and four-year institutions to assist students with questions pertaining to credit hour and course transfer. Applicants can review the AGSC/STARS guide at www.gettheguide.net.

III. International Student Admission

- A. International students who seek admission to the university and have never attended college in the United States must satisfy all requirements for admission, as follows:
 - Minimum score on one exam (see below)
 - Proof of higher secondary school graduation
 - Copy of valid passport
 - Completed International Student Proof of Financial Statement stating required balance (will be used only for I-20/DS-2019 issuance purpose)
- B. International students who have never attended college in the United States must present a minimum score on one of the exams listed below. The chosen test must have been taken within the last two years and be sent to the university from the test agency. These test scores should be sent to JSU directly from the testing agency.

Alternately, international students may be admitted as English Language Institute Conditional Admission first year students or transfers and study in the English Language Institute (ELI) before university study. To apply under this option, students must contact ELI (eli@jsu.edu) for information. Students who begin in the ELI may meet the university language requirement either by successfully completing the English Language Institute program prior to beginning study for an academic degree or meeting the TOEFL, IELTS, PTE, iTEP, ACT or SAT scores.

Test Type	Required Minimum
TOEFL (paper-based)	500
TOEFL (computer-based)	173
TOEFL (internet-based)	61
IELTS	5.5
PTE Academic	45
iTEP	3.7
ACT Composite	18 (English subtest 14)
SAT Critical Reading and Math	870 (Critical Reading test 350)

Exempted Countries: Antigua and Barbuda, Australia, Bahamas, Barbados, Belize, Bermuda, Canada (except Quebec), Fiji, Grenada, Guyana, Ireland, Jamaica, Kiribati, Marshall Islands, Micronesia, New Zealand, Solomon Island, St. Kitts and Nevis, St. Lucia, St. Vincent and the Grenadines, Trinidad and Tobago, United Kingdom.

- C. In addition to the test score requirement, an international student must send a certified English translation of secondary school transcripts and proof of secondary school graduation to the JSU Admissions Office. These documents should indicate attestation of translation from an original document. Alternately, international students may send their higher secondary school documents to an approved evaluation agency listed below. This

evaluation must be mailed to JSU directly from the evaluation agency. A grade point average of 2.00/4.00 (U.S. scale) is required as a minimum GPA.

- D. International students who have attended a regionally accredited institution in the United States and are transferring to JSU must present official transcripts from each institution attended. Those students who have earned 24 transferrable hours from regionally accredited institution(s) are not required to meet the test score requirements listed in Section III Part B.
- E. All international students are required to submit a copy of their passport to ensure correct spelling on the I-20/DS-2019. Additionally, all international students are required to provide documentary evidence showing adequate financial resources are available to attend the university. If the student is attending another college/university on a F1/J1 Visa, the "International Student Transfer Form" must be submitted.
- F. International students who have been accepted as participants in special university-approved programs with JSU (the International House Program, exchange agreements, dual degrees by inter-university collaboration or other contractual agreements) will have met JSU's International Admission requirements, and all other admission requirements may be waived.

The application for admission to JSU will not be accepted without the documents listed above and the \$35 (U.S.) non-refundable application fee. **Application materials must be received by the deadlines: July 1- fall semester, November 1 – spring semester, March 1 – summer semester.**

International course-by-course evaluations with GPA calculations must be completed by any NACES member agency: <http://www.naces.org/members.htm> and mailed directly to JSU.

IV. Returning Students (students who have attended JSU and earned credit)

Students who have either previously attended JSU, earned credit, and have not attended within a year or are pursuing a second bachelor's degree should update their admission status. Returning students are not required to pay the undergraduate admission application fee, but are required to complete and submit an updated application. This form is available in the Admissions Office or online at www.jsu.edu/undergraduate.

- A. Students who seek to return to the university and have attended elsewhere since attending JSU must satisfy all requirements for admission, as follows:
 - Submit transcripts from each institution.
 - Minimum cumulative grade point average of 2.00 (GPA used is that which is computed by JSU).
 - Eligible to re-enter the institution last attended.

Former students who plan on returning to JSU after attending other institutions will be evaluated as transfer students and must meet the transfer student admission requirements. Transcripts must be requested from other institutions and will be evaluated and considered as a part of the returning process. After all required documents have been received, the returning student will be notified of their eligibility to continue taking courses at JSU. The university reserves the right to accept or deny course work presented for transfer from returning students. Typically, all course work from regionally accredited institutions will be accepted as fair equivalent courses at JSU provided JSU has an equivalent course at the appropriate level.

Credit for any course or part of a course will not be granted twice. Courses not having equivalents at JSU may be accepted as an elective. The transfer decision will be made on a course-by-course basis by the Registrar's Office during the credit evaluation process. For additional information, such as appeals of transfer credit, students may contact the Registrar's Office. Grades earned with a "D" or better from other institutions will be used in computing **transfer grade point average. Students transferring course work are advised that program GPA requirements will be based on institutional GPA requirements as well as resident requirements when considering assessment into or retention in certain programs, major and minor requirements, and graduation requirements. Courses with grades of "D" will be accepted except for certain JSU courses. A course in which a "D" grade has been earned is not creditable toward the major and/or minor requirements and may not be creditable toward some specific program requirements. If transfer courses are repeated at the transfer institutions, only the highest grade will be initially evaluated. Additionally, "I," "F," "W," "WP" and "WF" grades will not transfer. Any transfer course evaluated after the initial evaluation, in which that course has been repeated, will transfer but will not be included in the transfer GPA or hours earned. Students academically ineligible to return to the last institution attended may not be admitted to JSU. Students under disciplinary probation or suspension at other institutions are not eligible to enroll at JSU. They may appeal to the Admissions Committee for consideration of their individual situation.

** Transfer GPA is calculated based on transferring coursework ONLY as determined by the Registrar's Office during the credit evaluation process. Transfer GPA will be used to determine admission eligibility.

V. Transient Students (non-degree candidates enrolling for one term)

Transient students will not be considered degree-seeking students at JSU but rather taking courses for personal enrichment and/or to transfer to the institution where the degree is being pursued. Transient students planning to transfer JSU credits to another institution should consult the appropriate dean or registrar at that institution to determine the acceptability of the JSU work. Please note that transient students are not eligible for Title IV funds. For more information, please contact the Office of Student Financial Services.

- Students who seek admission to the university as a transient must satisfy all requirements for admission, as follows:
- Transient letter or official transcript from the current or previous college or university
 - Eligible to re-enter the institution last attended.

International transient students must meet requirements for regular international student admission and immigration regulatory requirements.

VI. CORE Scholars/Dual Enrollment

A student may be admitted as a CORE Scholars/Dual Enrollment high school student by meeting the following conditions:

- Applicants must have earned a "B" average or better in ninth grade work.
- Applicants must have completed the ninth grade before enrolling as CORE Scholars/Dual Enrollment students.
- All applicants must have written permission from their principal and/or superintendent.
- All applicants must submit an application to the university as a CORE Scholars/Dual Enrollment student.
- Dual enrollment credit for high school units may be granted by the school system. High school units may be earned in addition to college credits with the permission of the superintendent.

CORE Scholars/Dual Enrollment students are subject to all rules and regulations of the university as well as its rights and privileges. CORE Scholars/Dual Enrollment students may register for 100- or 200-level courses in any academic field in which the student has completed high school requirements and/or prerequisites. CORE Scholars/Dual Enrollment students must maintain a "C" average or better in all attempted university coursework, and a "B" average in high school.

HOW TO APPLY

First, students should contact their high school counselor or principal and request that a High School Approval Form be submitted to JSU for them to participate in the CORE Scholars/Dual Enrollment Program. Applicants must have earned a "B" average or better in 9th grade work. Students must have the permission from the school counselor, principal or superintendent to participate in the CORE Scholars/Dual Enrollment Program. Second, students who are approved should apply online by completing the CORE Scholars/Dual Enrollment High School Application.

VII. Early Admission

To accommodate high school students with exceptional ability, Jacksonville State University considers them on an individual basis for early admission. Students who wish to enter college after completing the 11th grade in high school must present evidence that admission to college would be more beneficial than continuation in high school. Such individuals are considered for admission as regular students.

Minimum requirements for early admission include a grade of "B" on academic subjects in high school and an ACT composite score of 26. To consider an applicant, the following material must be presented to the Office of Admissions for review by the Admissions Committee.

- A letter of request from the applicant.
- One copy of the official high school transcript.
- The official ACT report.
- A letter of recommendation from the high school principal or superintendent.
- A letter of approval from parent(s) or guardian.
- A completed application to the university with the non-refundable application fee.

ORIENTATION

First year students, under the age of 25, must attend an orientation session prior to the semester they wish to attend (See section: APPLICATION PROCEDURES). The orientation/advisement session includes a brief introduction to campus life, academic advisement, schedule preparation, and registration. Following registration, students can obtain an I.D. card, and automobile registration. Questions regarding orientation should be directed to the Dean of Students Office.

JACKSONVILLE STATE UNIVERSITY IN GADSDEN

Jacksonville State University in Gadsden (JSU-Gadsden) offers junior and senior level undergraduate courses and graduate courses on the campus of Gadsden State Community College in Gadsden, Alabama. The calendar for JSU Gadsden is the same as the university calendar, and all university policies and regulations apply.

BROOKSTONE

Brookstone houses the Hi Fidelity Simulation Lab, the Respiratory Therapy program, and the Doctor of Nursing Practice program. The calendar for Brookstone is the same as the university calendar, and all university policies and regulations apply.

TUITION AND FEES FINANCIAL POLICIES

Jacksonville State University's fees have remained lower than those charged by most other quality institutions in the state and nation. Small increases are required, however, as our costs rise.

Tuition and Fee Rates

As a student at JSU, it is your responsibility to pay all tuition and fees by the published due date. Not doing so will result in your registration being cancelled.

Current tuition and fees can be found at www.jsu.edu/bursar/fees/index.html.

ALL TUITION AND FEES ARE SUBJECT TO CHANGE.

Payments

Payment may be made by one of the following ways: The Office of Student Accounts cashier window, 2nd floor of Bibb Graves Hall; via the web at <http://my.jsu.edu>; by a valid checking or savings account; by credit card or by mail with a check or money order, which must be **received** in the Office of Student Accounts by the published due date. Students are responsible for knowing all registration and fee payment dates.

Any parking decals, ID reprint charges, or other miscellaneous charges are due upon the charge appearing on the student account.

Payment Plan

Jacksonville State University offers students an installment plan to budget the costs of tuition and university housing and other fees. The details for the payment plan can be found at www.jsu.edu/bursar/PaymentPlan.html.

Checks

When paying by check, Jacksonville State University is authorized to either use the information from the check to make a one-time electronic fund transfer from your account or to process the payment as a check. In the event a check presented is not honored by the bank, JSU will charge the current maximum fee allowed by the State of Alabama for each return. Administrative withdrawal from the university could result if a returned check is in payment for tuition and/or fees. After two (2) returned checks, the privilege of paying by check will be forfeited. No counter checks will be accepted. The university is unable to cash personal checks.

International Students

International students are required each semester to pay tuition, fees and residence hall charges in U.S. dollars to confirm registration. International students must conform to United States Customs and Immigration Services (USCIS) regulations concerning the USCIS Form I-20, section 8, for financial assurance. All international students are required to carry JSU approved health and repatriation insurance.

University Housing

For information on room rates and facilities, please visit the Office of Housing Operations and Residence Life www.jsu.edu/housing.

Out-of-State Fees

Residency determination and the application of out-of-state fees and tuition will be made in accordance with the laws of the State of Alabama. Undergraduates and graduates should contact the Registrar's Office with any questions. Petitions for in-state tuition that are granted prior to the last day of the drop/add period will be effective that semester. After the last day of the drop/add period, in-state tuition determination will apply to the next academic semester. Determination of in-state tuition is not retroactive.

In-State Tuition Policy for Out-of-State Students

In accordance with §16-64-2, Code of Alabama 1975, the Jacksonville State University may allow in-state tuition status to out-of-state students who meet the requirements of law as follows:

- **One who, at the time of registration, is not a minor and satisfies one of the following:**
 - Is a full-time permanent employee of the institution at which the student is registering or is the spouse of such an employee.
 - Can verify full-time permanent employment within the State of Alabama or is the spouse of such an employee and will commence the employment within 90 days of registration with the institution.
 - Is employed as a graduate assistant or fellow by the institution at which the student is registering.
 - Is an accredited member of or the spouse of an accredited member of a consular staff assigned to duties in Alabama.

- Is in a program or takes courses within an interstate consortium of colleges or universities that either offers reciprocal resident student tuition to residents of Alabama in the program or courses offered by colleges or universities not within Alabama, or is enrolled in a program or courses through an interstate consortium of colleges or universities that assesses tuition at a uniform rate for all students enrolled in that course or program.
- Is a member or the spouse of a member of the United States military on full-time active duty stationed in Alabama under orders other than attending school.
- Has been a member of the Alabama National Guard for a period of at least two years immediately preceding the student qualifying for resident tuition and continues to be a member of the Alabama National Guard while enrolled at the public institution of higher education.
- Is a veteran of the Armed Forces of the United States, provided that the veteran has become a resident of Alabama and satisfies at least one of the following conditions:
 - The veteran has served on active duty for a continuous period of time, not less than two years, and has received an honorable discharge as verified by a United States Department of Defense Form 214 within five years of enrolling in an Alabama public institution of higher education.
 - The veteran is currently serving in a reserve component of the Armed Forces of the United States, as verified by a memorandum from the commanding officer of the veteran student.
 - The veteran has been assigned a service-connected disability by the United States Department of Veterans Affairs.
 - Is an out-of-state veteran who resides within 90 miles of a campus located in Alabama and has enrolled at an institution whose board of trustees has voted to allow nonresident in-state tuition for active and retired military.
- **As of July 1, 2017, is receiving or entitled to receive benefits under the Post-9/11 GI-Bill or Montgomery GI-Bill programs, or other federal law authorizing veterans' educational benefits, and satisfies as least one of the following conditions¹:**
 - A veteran using educational assistance under either Chapter 30 (Montgomery GI Bill-Active Duty Program) or Chapter 33 (Post-9/11 GI Bill), of Title 38, United States Code, who lives in Alabama while attending a school located in Alabama (regardless of his/her formal state of residence) and enrolls in the school within three years of discharge or release from a period of active duty service of 90 days or more.
 - Anyone using transferred Post-9/11 GI Bill benefits (38 U.S.C. 3319) who lives in Alabama while attending a school located in Alabama (regardless of his/her release from a period of active duty service of 90 days or more).
 - Anyone using benefits under the Marine Gunnery Sergeant John David Fry Scholarship (38. U.S.C. 3311 (b)(9)) who lives in Alabama while attending a school located in Alabama (regardless of his/her formal state of residence).
 - Anyone using transferred Post-9/11 GI Bill benefits (38 U.S.C. 3319) who lives in Alabama while attending a school located in Alabama (regardless of his/her formal state of residence) and the transferor is a member of the uniformed service who is serving on active duty.
 - A Veteran who is physically present in the state of Alabama (as evidenced by documentation of one's physical address in Alabama while enrolled) and enrolls within 3 years of receiving an honorable discharge, as verified by a United States Department of Defense Form 214, from a period of active duty service of 90 days or more.
 - A spouse or dependent child using transferred benefits who is physically present in the state of Alabama (as evidenced by documentation of one's physical address in Alabama while enrolled) and enrolls within 3 years of the transferor's honorable discharge, as verified by a United States Department of Defense Form 214, from a period of active duty service of 90 days or more.
 - A spouse or dependent child using benefits under the Marine Gunnery Sergeant John David Fry Scholarship who is physically present in the state of Alabama (as evidenced by documentation of one's physical address in Alabama while enrolled) and enrolls within 3 years of the Service member's death in the line of duty following a period of active duty service of 90 days or more
- **One who, at the time of registration, is a minor and whose supporting person satisfies one of the following:**
 - Is a full-time permanent employee of the institution at which the student is registering.

¹ 38 U.S.C. 3679 requires that students meeting the following requirements be charged tuition at a rate not to exceed in-state rates. An addendum to the official university catalog and statement of institutional compliance is attached. Where there is a conflict between the policy language as stated and federal law, the provisions of federal law will apply.

- Can verify full-time permanent employment within the State of Alabama and will commence the employment within 90 days of registration with the institution.
- Is an accredited member of a consular staff assigned to duties in Alabama.
- is a member of the United States military on full-time active duty stationed in Alabama under orders for duties other than attending school.
- **One who, at the time of registration, is a full-time undergraduate student receiving a partial or full JSU or JSU Foundation funded scholarship award in recognition of a demonstrated academic or particular non-academic talent or ability, provided such student possesses the talent or ability at the time of initial enrollment and maintains continuous scholarship eligibility at the University.**
- **INTERNATIONAL STUDENTS - International students must have the ability to remain indefinitely in the United States and otherwise meet the requirements of the Alabama law.**
 - A person must be a Permanent Resident Alien, Political Asylee, Political Refugee, or who hold an A, E, G, H, I, L, O, P, R, TC, TD or TN visa to be considered as an in-state resident or one for tuition purposes.
 - Students who hold a B, F, J, or M visa are not eligible to establish Alabama residency unless their supporting person meets the criteria in this policy for residency for tuition purposes. Full-time employees of a company party to an Alabama Free Trade Agreement may be eligible to establish residency based on that employment.

Withholding of Credits

Students are expected to meet all financial obligations to JSU. Registration and/or transcripts may be withheld if a student fails to meet their financial obligations.

In the event a student fails to satisfy a financial obligation to the university and the debt is referred to an outside attorney or agency for collection, in addition to the debt (principal plus applicable interest), the student will be responsible for all costs, charges and expenses incurred by the university, including attorney's fees and/or collection agency fees and expenses, not to exceed thirty-three and 1/3 percent (33.3%) of the debt, plus litigation expenses and court costs, if applicable. Debts owed the university may be referred out for collection as accounts or, where litigation has concluded, as judgments. Delinquent accounts may accrue interest at the contract rate or, where none is stated, at the maximum rate allowed by Alabama law. Any judgment obtained in favor of the university will accrue interest at the rate set by Alabama law for unpaid judgments. By providing your telephone number to JSU, you agree and give express consent that the university or anyone working on their behalf, including third party vendors, may contact you at the number provided by manually dialing the number or by using automated dialing technology.

Questions about charges and refunds should be addressed to the Office of Student Accounts, 256-782-5458.

Refunds or Charge Adjustments

I. Withdrawal: Tuition will be refunded as follows for fall and spring semesters:

- 100% of total tuition charged if withdrawal from all courses from the semester occurs by the last day to register for the semester.
- 80% of total tuition charged if withdrawal from all courses from semester occurs within one (1) week after the close of the registration period.
- 50% of total tuition charged if withdrawal from classes occurs within three (3) weeks after the close of registration.
- No adjustment if withdrawal occurs thereafter.

Tuition will be refunded as follows for summer semesters:

- 100% of total tuition charged if withdrawal from the summer semester occurs by the last day to register for that semester.
- 80% of total tuition charged if withdrawal from a summer semester occurs within one (1) day after the close of the registration period for that semester.
- 50% of total tuition charged if withdrawal from a summer semester occurs within two (2) days after the close of registration.
- No adjustment if withdrawal occurs thereafter.

Note: Withdrawal refers to ending enrollment in all classes at JSU for the semester.

Students who withdraw while on financial aid may have to repay any or all aid received and may owe the university money. Please check with the Office of Student Financial Services or the Office of Student Accounts for more details. If you live in university housing, please contact the Offices of Housing Operations and Residence Life for the housing refund policy.

II. Change of Course(s) or Drop:

Tuition will be refunded as follows for dropped courses during all semesters:

- 100% of total tuition charged for the dropped course if the drop occurs by the last day to register.
- No refund for dropping of a course after the last day to register for the semester.

Note: Drop refers to dropping one or more courses while still enrolled in any other course(s) for the semester.

Fee Refunds or Charge Adjustments

I. Withdrawal

University Fees, Program Fees, and Course Fees will be refunded as follows for fall and spring semesters:

- 100% of total university fees, program fees, and course fees charged if withdrawal from all courses from the semester occurs by the last day to register for the semester.
- No adjustments to fees if withdrawal occurs thereafter.

University Fees, Program Fees, and Course Fees will be refunded as follows for summer semesters:

- 100% of total university fees, program fees, and course fees charged if withdrawal from all courses from the semester occurs by the last day to register for the semester.
- No adjustments to fees if withdrawal occurs thereafter.

Note: Withdrawal refers to ending enrollment in all classes at JSU for the semester.

II. Change of Course(s) or Drop

University Fees, Program Fees, and Course Fees will be refunded as follows for all semesters:

- 100% of total university fees that are charged by the credit hour, program fees, and course fees for the dropped course if the drop occurs by the last day to register for the semester.
- No refund of fees for dropping a course after the last day to register for the semester.

STUDENT FINANCIAL SERVICES

Jacksonville State University offers a broad program of financial aid to assist as many qualified students as possible. Since the university cannot meet the financial needs of all applicants, students are also urged to investigate outside sources of aid.

Most aid programs are based on the individual need of the applicant. Demonstrated financial need is determined by completing an independent, standardized need analysis form called the Free Application for Federal Student Aid (FAFSA) on the web at www.fafsa.gov. The JSU Title IV Code is 001020.

The FAFSA contains questions pertaining to the student's assets, income, year in college, etc. Students who are dependent on their parents, based on Federal Student Aid guidelines, must also submit information concerning parental income, assets, and other items.

Once the applicant completes the FAFSA, on the web at www.fafsa.gov. In approximately 7-10 business days, the processor sends the applicant a Student Aid Report and also forwards information to the college(s) the applicant lists to receive the data. It is the student's responsibility to check his/her JSU email and MyJSU for detailed information. The Student Aid Report is used to determine eligibility for the Federal Pell Grant and other financial aid programs, as it contains the expected family contribution to the applicant's cost of attendance.

Applicants and their parents are cautioned to complete all forms as honestly and accurately as possible. Any person who knowingly makes false statements is subject to a fine or imprisonment or both under provisions of the United States Criminal Code. Applicants are also reminded that they may be asked to substantiate information they submit on the need analysis. Each year the federal government selects approximately 30% of all applicants for verification. Those selected for verification must provide documentation, such as, but not limited to, IRS Tax Return Transcripts in order to receive financial aid.

Note that application for financial aid must be made for each academic year; no awards are automatically renewed from year to year. Although the university accepts applications throughout the academic year, March 1 has been established as the preference deadline for applying for most types of assistance.

Those interested in detailed information on federal financial aid should request The Student Guide by writing the Federal Student Aid Information Center, P.O. Box 84, Washington DC 20044. Additional information may also be secured from the university Office of Student Financial Services, or from the Internet at www.studentaid.gov.

Note that information provided herein is of a general nature and is not intended to explain in detail all financial aid programs. Programs described herein are subject to Federal, State, and institutional guidelines and are subject to change without notice.

Students who apply for federal assistance are required to use their Social Security number for identification purposes. The U.S. Department of Education's legal right to require the use of Social Security numbers for eligibility for the Title IV programs is based on Section 484(a)(4)(B) of the Higher Education Act of 1965, as amended. Complete information on usage of your Social Security number is located in the Free Application for Federal Student Aid.

Following is a brief description of the different assistance programs:

GRANTS

Grants are gifts based on need and do not have to be repaid. Students from low and lower middle income families may qualify for a grant.

Federal Pell Grant

The Federal Pell Grant is an entitlement program for undergraduate students who have not earned their first baccalaureate degree.

To apply, submit the FAFSA as soon as possible after the FAFSA opens on the web and list Jacksonville State University (Code 001020) to receive the report. Also submit any other documentation that is required to the Office of Student Financial Services, preferably by March 1.

Federal Supplemental Educational Opportunity Grant (FSEOG)

Students who are Pell eligible and who have the greatest demonstrated financial need are given first consideration for this grant. It is restricted to students who have not received their first baccalaureate degree.

To apply, submit the FAFSA as soon as possible after the FAFSA opens on the web and list Jacksonville State University (Code 001020) to receive the report. Also submit any other documentation that is required to the Office of Student Financial Services, preferably by March 1.

Alabama Student Assistance Program (ASAP)

Undergraduate students who have not earned their first baccalaureate degree and who are residents of Alabama are eligible to apply for this grant. The grant is restricted to Pell eligible students with the greatest demonstrated financial need. To apply, submit the FAFSA as soon as possible after the FAFSA opens on the web and list Jacksonville State University (Code 001020) to receive the report. Also submit any other documentation that is required to the Office of Student Financial Services, preferably by March 1.

State Grants from Other Agencies

Several other states offer grants for their residents who attend college in other states. Students residing outside Alabama should contact their state grant educational agencies for information on these grants.

LOANS

The William D. Ford Federal Direct Loan Program (Direct Loan)

JSU participates in the Federal Direct Loan Program. Repayment begins six months after the student's enrollment drops below half-time status.

There are three types of Federal Direct Student Loans: Subsidized, Unsubsidized and Parent Loan for Undergraduate Students (PLUS).

Federal Direct Subsidized Student Loan

A subsidized loan is a need-based loan. Borrowers who receive this type of loan are not required to pay the interest while he/she is enrolled at least half-time. Note: Graduate Students are not eligible for subsidized loans per federal regulations.

Federal Direct Unsubsidized Student Loan

An unsubsidized loan is a non-need-based program. Borrowers who receive this loan must either pay the interest while enrolled or have the interest capitalized for repayment at a later date and be enrolled at least half time.

Parent Loan for Undergraduate Students (PLUS)

A PLUS loan is a non-need-based loan. Repayment of principal and interest begins 60 days after the loan has been disbursed. Parents interested in obtaining this loan must follow the PLUS instructions to apply from the Office of Student Financial Services. Students interested in receiving a PLUS loan only must first complete the FAFSA form.

To apply for a subsidized or unsubsidized loan, submit a FAFSA as soon as possible after the FAFSA opens on the web, along with any other documentation that is required to the Office of Student Financial Services. The preference deadline to apply is March 15. The Office of Student Financial Services will notify applicants of their eligibility.

More information regarding direct loans may be located at www.jsu.edu/finaid, select types of financial aid, select loans.

Annual Loan Limits

- Annual loan limits for the Federal Direct Student Loan Program for dependent students are: Freshmen, \$5,500; Sophomores, \$6,500; Juniors and Seniors, \$7,500.
- Annual loan limits for the Federal Direct Student Loan Program for independent students are: Freshmen, \$9,500; Sophomores, \$10,500; Juniors and Seniors, \$12,500; and Graduate students, \$20,500.
- Parents may borrow up to the cost of education on the PLUS program.
- The aggregate loan limit for dependent students is \$31,000.
- The aggregate loan limit for independent students is \$57,500.
- The aggregate loan limit for Graduate + Undergraduate students is \$138,500.

Graduate students are not eligible for subsidized loans, but may borrow up to the cost of attendance, less other aid, from the Graduate PLUS loan program.

NOTE THAT UNDERGRADUATE STUDENTS MUST BE ENROLLED FOR AT LEAST SIX (6) FINANCIAL AID ELIGIBLE UNDERGRADUATE HOURS TO BE CONSIDERED ELIGIBLE TO BORROW A STUDENT LOAN.

FEDERAL PERKINS LOANS – JACKSONVILLE STATE UNIVERSITY NO LONGER PARTICIPATES IN THE FEDERAL PERKINS LOAN PROGRAM.

Information on additional types of aid may be located at www.jsu.edu/finaid, click Types of Aid.

CAMPUS EMPLOYMENT

Many students work part-time while attending college without sacrifice to their grades. By working, students are able to contribute to their educational expenses and, at the same time, gain valuable experience.

Cooperative Education

Students interested in Cooperative Education must complete a co-op application online at www.jsu.edu/careerservices/coop-internships/application.html or in the Office of Career Services, Suite A Ramona Wood. Cooperative Education is designed to provide the student with valuable, paid work experience related to their major field of study while earning a degree. As part of this program, employers provide the opportunity for the student to build on classroom skills and knowledge while working.

For more information, visit http://www.jsu.edu/careerservices/students_co-op.html.

JLink

Students have access to full-time, part-time, internship & co-op job postings in JLink. To access this site and its jobs, simply visit: <https://jsu-csm.symplicity.com>, select Students/Alum, and Sign Up! Career Services advertises all employment opportunities in this secure website, to include off campus positions, such as: co-op, internship, part-time, and full-time positions.

Federal Work-Study

The Federal Work-Study Program is administered through funds provided by the Federal government and Jacksonville State University. Eligible students work up to approximately 15 hours per week and earn at least the minimum wage.

To apply, submit the FAFSA as soon as possible after the FAFSA opens on the web, preferably before March 15, and list Jacksonville State University (Code 001020) to receive the report.

University Student Employee

Students who do not qualify for Work-Study may be eligible to work on the university Student Employee Program. Students interested in this program should contact individual departments for possible job placement or check the job opportunities link through the Department of Human Resources (<http://www.careers.jsu.edu>). This program is not based on financial need.

Off-Campus Employment

Students desiring to find part-time work in the local area must visit the Career Services web page at www.jsu.edu/careerservices for current job listings.

SCHOLARSHIPS

Jacksonville State University offers various scholarships for entering freshmen, graduate students as well as returning students and transfer students. Academic scholarships are given consideration to entering freshmen based on the receipt of official ACT and/or SAT test scores and the 11th grade high school GPA. Most scholarships are based on the applicant's academic or extracurricular record, while some are based on demonstrated financial need. Those requesting scholarships based on need should also submit a Free Application for Federal Student Aid (FAFSA). The quickest way to apply for FAFSA is online at www.fafsa.gov. Consult our Scholarship Listing (www.jsu.edu/finaid/scholarships/types.html) for information pertaining to individual requirements and/or restrictions of scholarships offered. Scholarship offers are subject to applicant being unconditionally admitted to the University and available funding. The scholarship application period is September 1 and the deadline is February 1. Application is required for all scholarships.

In-State Scholarship Tuition

Full-time undergraduate students, who are receiving a Jacksonville State University (JSU) funded scholarship based on merit, ability or performance, will be changed from the out-of-state tuition status to in-state tuition once the In State Tuition Waiver form has been completed by student and verified by the Scholarship Office. This form is located at http://www.jsu.edu/registrar/student_forms.html.

Leadership Scholarships

Leadership Scholarships are awarded to students based on each applicant's participation in high school activities, community service, and academic record. February 1 is the absolute deadline to apply. Leadership Scholarships are for up to four years for students entering JSU Fall 2017 and after.

Presidential Transfer Scholarship

JSU offers a Presidential Transfer Scholarship to students in the graduating class from Alabama community colleges. The minimum requirement is a 3.50 GPA as recalculated by JSU and posted to the student's transcript.

Athletic and Music Scholarships

Full and partial scholarships are offered for participants in the university's varsity athletic programs. Contact individual head coaches of these sports for more information, or the Athletic Office at (256) 782-5368.

Full and partial tuition scholarships are offered by the university's band/music department. For more information, contact the Department of Music at (256) 782-5559.

Veterans Benefits

For more information about the Office of Veterans Affairs, eligible veterans may visit <http://www.jsu.edu/veterans/index.html>. For students receiving VA education benefits, any complaint against the school should be routed through the VA GI Bill Feedback System by going to the following link: <http://www.benefits.va.gov/GIBILL/Feedback.asp>. The VA will then follow up through the appropriate channels to investigate the complaint and resolve it satisfactorily.

Military Tuition Assistance Program

Tuition assistance is available to cover tuition and book expenses for persons who are members of the Armed Services. Selection of recipients is made by the Military Branch Education Office. Those interested in applying should contact his/her unit commander for the necessary application.

Alabama G.I. Dependents Scholarship Program

The Alabama Department of Veterans Affairs offers financial assistance to eligible dependents (child, stepchild, spouse or un-remarried widow or widower) of disabled veterans (living or deceased) who were permanent civilian

residents of Alabama prior to entry into military service. Other qualifying veterans categories are former prisoners of war, declared missing in action, and those who died in service. Maximum educational benefits include tuition and required textbooks. For more information, contact the nearest Veterans Affairs Office, located in each Alabama county Administration Building Center of Excellence for Veteran Students is located in 101 Daugette Hall, to assist students.

Vocational Rehabilitation Assistance

Alabama residents who have disabilities may be eligible for assistance through the Vocational Rehabilitation Service. Alabama residents needing more information should contact this agency at 2127 East South Blvd., Montgomery, AL 36199, 1-800-441-7607. In other states offering this assistance, students should contact the agency in their state.

Prepaid Affordable College Tuition (PACT) Program

PACT is a state program through which contracts are purchased to pay four years of undergraduate tuition and qualified fees at public institutions. The Alabama PACT administrator can be contacted at 1-800-ALAPACT (252-7228). Age limits apply to students enrolled in the program. A copy of the PACT eligibility letter must be provided to the JSU Office of Student Accounts during the enrollment period – Fax (256) 782-8132. In other states offering this assistance, students should contact the agency in their state.

ROTC

The Army offers ROTC scholarships on a competitive basis for select students who are strongly motivated towards service in the United States Army and who meet all application prerequisites. Four-year scholarships are available to entering freshmen who apply as seniors in high school. Two- and three-year scholarships are awarded to outstanding students on campus. Recipients of Army ROTC scholarships incur a contractual obligation with the United States government and must meet all Army ROTC basic and advanced course requirements for commissioning. Scholarship students who complete the Army ROTC course of instruction are commissioned as second lieutenants in the active Army, Army Reserve or Army National Guard.

These scholarships provide tuition and books up to a maximum limit. Additionally, scholarship recipients also receive a monthly stipend for a maximum of ten months of each academic year. Recipients are also required to attend a five-week advanced camp, usually during the summer after their junior year, during which time they receive pay and travel expenses.

For those Army ROTC scholarship recipients coming to JSU for the first time, competitive scholarship supplements are available. Additionally, Jacksonville State University also offers two competitive scholarships for nursing students who are willing to enter and complete the ROTC program. The nursing scholarship includes tuition for the five semesters of clinicals. Contact the Professor of Military Science for specific details on these and all other Army ROTC scholarship opportunities.

SATISFACTORY ACADEMIC PROGRESS POLICY

Federal regulations require students to be making satisfactory academic progress toward graduation while receiving financial aid. Satisfactory academic progress includes both qualitative, quantitative, and pace and rate of progression criteria. Jacksonville State University reserves the right to monitor satisfactory academic progress periodically throughout the calendar year. Please go to www.jsu.edu/finaid, select financial aid forms, select satisfactory academic progress policy for the academic year that you are attending to view the current policy.

AWARDING, ACCEPTANCE AND PAYMENT OF FINANCIAL AID

Students who are determined to be eligible for Federal Pell Grants, Federal Supplemental Grants, Federal Direct Loans, (Alabama or other state grants), Federal Work-Study and/or other Federal financial aid should receive an instruction letter via JSU email for document requests and offers of financial aid. Once the offer of financial aid has been accepted on MyJSU, all assistance (with the exception of Federal Work-Study) and scholarships awarded by the university may be credited to the student's account. A check may be sent to the student's campus mailbox or electronically deposited in the student's bank account for any remaining balance.

Students may use scheduled financial aid (with the exception of Federal Work-Study) to confirm classes and/or university housing costs if their assistance has been processed by the required payment dates. Scheduled financial aid may be viewed on MyJSU. More detailed information on paying confirmation costs is located on the Office of Student Accounts website, www.jsu.edu/Bursar.

ENROLLMENT REQUIREMENTS

All financial aid commitments are contingent upon actual enrollment at the university. Most programs require at least half-time status (six hours) for eligibility while the Federal Pell Grant Program requires full-time (12 hours) for maximum benefits during the regular terms. Six hours are considered half-time during the Summer term. Questions pertaining to individual program requirements for maximum benefits should be addressed to the Office of Student Financial Services.

Federal financial assistance is available only to students who are enrolled in a degree or certificate seeking financial aid eligible program. Those accepted into the non-traditional undergraduate admission category (students who are allowed to earn up to 15 semester hours prior to fulfilling regular admission) are therefore ineligible until such time as admissions requirements are fulfilled. Other categories of students who are ineligible include those accepted as transient, special, or the accelerated high school program. Federal/State Financial Aid Regulations and the Federal Taxpayer Relief Act of 1997 require those students seeking assistance use their Social Security numbers in applying for aid.

Students who withdraw, or stop completing academic related activity, may have to repay all or a portion of assistance disbursed for that term. Students who receive a full Federal Pell Grant and then drop to less than 12 hours are reminded that they have used a full semester's entitlement of the grant. Complete information on Return of Title IV Funds is located on the web at www.jsu.edu/finaid.

CANCELLATION OF FINANCIAL AID

Students scheduled to receive financial aid who do not plan to attend a term for which they have pre-registered must notify both the Office of Student Financial Services and the Registrar's Office prior to the first day of classes to cancel their preregistration and financial aid. **STUDENTS WHO FAIL TO DO THIS WILL BE ENROLLED IN CLASSES AND RECEIVE ACADEMIC AND FINANCIAL PENALTY.**

AID DURING THE SUMMER TERM (MAY, JUNE, JULY)

Students who attend during the summer term may qualify for financial assistance if they have remaining eligibility. Federal Pell Grants may be available for students who meet federal requirements. Supplemental Educational Opportunity Grants and Alabama State Grants are generally not available. Most assistance is in the form of Federal Direct Loans for students who have remaining eligibility (see annual loan limits).

While most programs require at least half-time (six hours) for eligibility, short terms are combined into one for eligibility purposes. Because of the brevity of these terms, students are urged to register for all the sessions they plan to attend. Students must have a completed FAFSA, other required documentation and register for classes.

NONDISCRIMINATION

All financial aid is awarded without regard to age, sex, race, religion, physical or mental disability, or national origin. Most financial aid is available only to citizens, nationals, or permanent residents of the United States. The university does provide scholarships to foreign students accepted to its International House Program.

SOME AID SUBJECT TO IRS TAX LAWS

Some scholarships and fellowship grants are subject to being reported as income on Federal income tax returns. It is each student's responsibility to report such assistance in accordance with regulations established by the Internal Revenue Service.

TAX RELIEF ACT OF 1997

The Taxpayer Relief Act of 1997 allows qualified students and/or parents to receive benefits when filing federal income tax returns for certain educational expenses. Taxpayers who are interested in this new legislation, which includes the Hope Scholarship Tax Credit for freshmen and sophomores and the Lifetime Learning Tax Credit, should contact their tax preparers. There are other provisions for interest paid on educational loans. The university does not provide tax advice and makes no representation on the new tax law.

OFFICES OF HOUSING OPERATIONS AND RESIDENCE LIFE

The Offices of Housing Operations and Residence Life provide a variety of living options. There are traditional residence halls and apartments that enhance a community environment.

The Offices of Housing Operations and Residence Life operate and maintain eight residence halls and over 700 apartments. To be eligible to live in university housing a student must be admitted to Jacksonville State University in good standing and enrolled as a student. The student will be required to satisfy these eligibility standards throughout the academic year and to inform the Offices of Housing Operations and Residence Life of any changes in their status that may affect their eligibility.

Students must apply online at www.jsu.edu/housing/apply.html using their MyJSU username and password. A nonrefundable application fee of \$200 is required at the time of submission. The priority deadline for applications is May 1. Room assignments are made based on the date in which applications are received; therefore, space may become limited before the May 1 priority deadline.

If students have a roommate preference, they must indicate their preference on the housing application/lease agreement. Roommate requests must be mutually requested and must include the correct student number of each roommate. Both roommate applications/lease agreements must be submitted by May 1 for the request to be considered. Both roommates must also select the same living options in the same order of preference. Lease rates are subject to change pending approval from the Board of Trustees of Jacksonville State University. The lease agreement is a legally binding document for the full academic year. Students are financially responsible for all room charges for the fall and spring semesters.

An assigned space must be claimed by the end of the first day of move in or the space will be reassigned.

Students seeking to cancel their lease agreement should visit www.jsu.edu/housing for more information regarding deadlines and monetary penalties.

First-year students are required to live on campus. A full list of exemptions can be found online at www.jsu.edu/housing/exemptions.html.**

**Students who meet exemptions may reside on campus if desired.

For more information regarding rates and or facilities, please visit www.jsu.edu/housing.

DINING SERVICES

The meal plan account provides for prepaid meals at Hopper Dining Hall and the Gamecock Diner in any combination of the all-you-care-to-eat meals at breakfast, brunch, lunch or dinner. The plan also provides a declining balance account of flex dollars to be used at campus locations, such Hopper Dining Hall, Gamecock Diner, Chick-fil-A, WOW Wingery, Jazzman's Café, Freshen's, and Mein Bowl.

Resident Dining Meal Plan Options

If you live on campus in Crow, Curtiss, Daugeette, Dixon, Fitzpatrick, Logan, Patterson, Sparkman, or Meehan Hall, your JSU account will be billed \$1650 for the plan and you will need to choose from the following options:

Unlimited Meals with \$50 Flex

This plan provides unlimited access for the cardholder to Hopper Dining Hall. It includes \$50 in flexible spending over the semester at the retail locations.

14 Meals Per Week with \$125 Flex

This plan provides any 14 meals throughout the week at Hopper Dining Hall or Gamecock Diner to be used by the cardholder. It also includes \$125 in flexible spending over the semester at the retail locations.

10 Meals Per Week with \$400 Flex

This plan provides the cardholder with any ten meals throughout the week at Hopper Dining Hall or Gamecock Diner. It also includes \$400 in flexible spending over the semester at the retail locations.

Block 80 with \$800 Flex

This plan provides any 80 meals throughout the semester at Hopper Dining Hall or Gamecock Diner to be used by the cardholder, plus \$800 in flexible spending over the semester at the retail outlets.

Non-Resident Commuter Dining Options

If you are a commuter student and would like the convenience and ease of dining on campus, then you have several options available to you. You can choose from the above plans that are available to campus residents or choose from the additional plans listed below.

Block 50 with \$100 Flex..... \$550.00

This plan provides the cardholder with 50 meals over the semester at Hopper Dining Hall or Gamecock Diner, plus \$100 in flexible **spending over the semester** at the retail locations.

Commuter Flex Plan

This is a prepaid plan that works just like a debit card by using your student ID. You must purchase a minimum of \$110 or anything over this amount. It provides flexible spending over the semester at Hopper Dining Hall, Gamecock Diner and the retail locations. At Hopper Dining Hall and Gamecock Diner, the cardholder pays \$7.73 for breakfast, \$9.09 for lunch, and \$9.09 for dinner. At the retail locations, the cardholder pays the cost per item selected.

Sample Flex Plans:

- \$100 plus 10% tax.....\$110.00**
- \$200 plus 10% tax.....\$220.00**
- \$300 plus 10% tax.....\$330.00**
- \$400 plus 10% tax.....\$440.00**
- \$500 plus 10% tax.....\$550.00**

For more information on the dining programs, go to www.dining.jsu.edu or call 256-782-7242.

ACADEMIC REGULATIONS

GENERAL REQUIREMENTS

To be considered a candidate for graduation a student must fulfill the specific requirements for a particular degree as set forth in the following pages:

1. Complete 120-132 semester hours, determined by your program of study, with a minimum "C" average 2.00 GPA. Earn a minimum of fifty percent of those semester hours from a four-year college or university, and at least twenty-five percent of semester hours required for degree must be resident work at JSU. Thirty-six (36) semester hours of credits presented for a degree must be in courses numbered 300 or above. No more than 12 semester hours in correspondence work may be counted toward a degree.
2. Earn a minimum "C" or better in each of his/her major and minor courses. Students assessed into upper division business courses must maintain a 2.00 GPA in the business core (courses are identified in the Business and Industry section) overall and the business core courses in residence.
3. No matter what advanced standing candidates may have been admitted under, or what credits they may have transferred, they must earn credit at JSU for at least 12 hours of advanced work (courses numbered 300 or above) in their major subject or teaching field area and six hours in advanced work (courses numbered 300 or above) in his/her minor subject.

For education students, one-third of the total hours in each teaching field(s) must be advanced work. In addition, a minimum of 12 hours of advanced level courses in each single comprehensive teaching field, or a minimum of nine hours of advanced level courses in each dual-teaching field must have been taken at JSU.

4. Students are expected to complete the general subject requirements for graduation during the freshman and sophomore years, in so far as this is possible. In case of deficiencies, students must register for courses which will remove such deficiencies before they will be permitted to elect other courses.
5. A minor, in addition to a major, is required for all degrees with the exception of majors in biology, chemistry, geography, integrated studies (formerly liberal studies), nursing, accounting, finance, management, marketing, applied manufacturing engineering, applied electronics engineering, industrial leadership, occupational safety and health management, social work, family and consumer sciences, the B.S. degree when the major is economics, and the B.F.A. degree in art. The B.F.A. degree and the B.S. in family and consumer sciences require an area of concentration in lieu of a minor. However, degrees for those seeking teacher certification require teaching field(s) in lieu of majors/minors.
6. Students entering with advanced standing or earning credit from another institution after initial enrollment at JSU must earn a minimum "C" average, 2.00 GPA, at this institution.
7. Students select their major and minor subjects before the end of their sophomore year, or if a junior or senior transferring from another college, before they register for any work leading to a degree from this institution. The choice of their major and minor fields must be made only after consultation with the professors/advisors in these fields and must have the approval of both the major and minor professors/advisors. Note: Students pursuing a degree in education will need to select their teaching field(s) by the end of their freshman year. Note: Candidates, including transfers, must submit minimum requirements and a portfolio for review and approval by the Department of Art prior to assessment into the B.F.A. degree program.
8. Before each registration, students confer with their advisor and secure approval of the choice of courses for the major and minor(s) or electives, and of sequences of such courses.
9. Successfully complete the English Competency Examination, EPP/CLA, and STU 101 (See Test and Examinations section).
10. Apply to the appropriate dean no later than the last day to add classes in the semester in which you will graduate.

Catalog Requirements and Time Limits

Degree requirements and other university regulations are established by the catalog current at the time of initial enrollment. Students may complete requirements under the catalog current at that time or any later catalog during his/her JSU enrollment provided the undergraduate degree is completed within twelve (12) years from initial collegiate enrollment. Students not completing the undergraduate degree within twelve (12) years from initial enrollment must update to a more current catalog as negotiated with the appropriate school dean. Students may not combine components of different catalogs.

Students tracking toward transfer enrollment may follow the JSU catalog in effect at the time of initial collegiate enrollment. However, students should be advised that the twelve (12) year catalog entitlement would then start upon initial collegiate enrollment rather than initial enrollment with Jacksonville State University.

Additional Bachelor's Degree

Students seeking to earn additional bachelor's degrees must complete a minimum of 32 semester hours in residence over and above the previously earned bachelor's degree and must meet all academic requirements for the degree sought as stipulated in the undergraduate catalog at the time of enrollment in the additional degree program. Students may not be awarded multiple degrees in the same ceremony.

Student Responsibility for Degree Requirements

It is the responsibility of each student to become familiar with degree requirements, graduation requirements, and all other aspects of satisfactory academic progress. Each student is assigned an academic advisor to assist in planning course schedules and give advice on timely graduation planning. However, the ultimate responsibility for understanding and completing degree and graduation requirements lies with the student.

STUDENT LOAD

1. Full-time status is defined as 12 hours; six semester hours is half-time. Students on academic probation must limit their course work during each semester to no more than 13 semester hours.
2. Students concurrently enrolled at Jacksonville State University and any other institution may take a maximum of 18 semester hours or up to 21 semester hours with special approval during the semester.
3. Students may be enrolled at more than one college/university at the same time. Students enrolled at both Jacksonville State and another college/university are subject to the academic standards and guidelines of Jacksonville State University.
4. Questions concerning student load may be addressed to the Registrar's Office, Room 113 Bibb Graves Hall, 256-782-5400, or registrar@jsu.edu.

CLASSIFICATION OF STUDENTS

<u>Hours</u>	<u>Classification</u>
0-31	Freshman
32-63	Sophomore
64-95	Junior
96+	Senior

REGISTRATION

All students must register before being admitted to classes. The appropriate academic dean and other members of the faculty advise the students in regard to their program of studies. It is urgent that a student register during the days set apart for that purpose. Any student whose credits are being withheld is not eligible for registration. The institution reserves the right to withdraw any course and close or divide sections whenever it is deemed appropriate.

LATE ENTRANCE

Students registering on the first day of class through the last day to add will be charged a late registration fee. Students registering after the last day to add will be charged a reinstatement fee. Students will be responsible for class work from the first class meeting and incur normal absences for classes missed.

AUDITING COURSES

Auditors must make application for admission and pay the \$35.00 non-refundable application fee if they are not already regularly enrolled students. The cost is \$25.00 per semester hour. A person may audit courses with the written approval of the instructor of the subject, provided there is space available in the class desired. Registration must be processed in the Registrar's Office. Auditors are listed on the class roll but do not participate in classroom discussions, take tests or final examinations, or make reports, and will receive no credit or grades.

Once a student registers in a course as an auditor, he/she may not change his/her status in that course to credit basis.

WITHDRAWALS

Students may withdraw without any academic penalty until the 'Last Day to Withdraw Without Academic Penalty.' After this date if the student is passing, the permanent record will reflect the notation "withdrew passing," which indicates good standing and the privilege of readmission. If a student is failing, the permanent record will show the notation "withdrew failing." This is equivalent to a grade of "F" for calculation of grade point average. Refer to the academic calendar for deadline dates for withdrawals without penalty. No withdrawals will be processed after the 'Last Day to Withdraw;' see the academic calendar for dates. Students must notify the Registrar's Office by completing the withdrawal form online. For mailed requests, the postmark will be used to determine the withdrawal date.

Students who withdraw during a semester may not petition for reinstatement during the semester in which the withdrawal occurred.

Any student who has registered, but does not wish to attend, must notify the Registrar's Office by completing the withdrawal form online by the last day to register for the semester to receive a full refund of tuition charged. For mailed requests, the postmark will be used to determine the withdrawal date. Failure to assure this notification may result in academic and financial penalty. Please contact housing for residence hall refund policy. Students who are scheduled to receive financial aid must also notify the Office of Student Financial Services in writing (fax or mail) or JSU email by the last day to register for the semester to cancel their financial aid. Students who fail to notify the Office of Student Financial Services will be subject to financial penalty.

Medical/Compassionate Withdrawal

A student may request and be considered for a medical withdrawal when extraordinary circumstances, such as a serious illness or severe injury, prevent the student from continuing classes. This covers both physical and mental health difficulties.

A student may request and be considered for a compassionate withdrawal when extraordinary personal reasons, not related to the student's personal physical or mental health (for example, care of a seriously ill child or spouse, or a death in the student's immediate family), prevent the student from continuing classes.

Medical or compassionate withdrawals will be considered for the current or immediately preceding semester only.

A student must request a medical or compassionate withdrawal by contacting the office of the Vice President for Student Affairs, Bibb Graves Hall, Rm. 102, (256) 782-5020.

**Students receiving federal financial aid or Veterans Educational Benefits should meet with either Student Financial Services or Veteran Services, respectively, before making a decision to request a medical or compassionate withdrawal.

Military Withdrawal

A Military Withdrawal is necessary when service members receive official military orders requiring military service such as deployments or extended mobilizations. When this official military service affects the ability of the service member to be successful in their classes they can file for a Military Withdrawal.

Service members that are considering this Military Withdrawal should consult with the Office of Veteran Services, Student Financial Services, and Residence Life (if applicable) before submitting the Military Withdrawal to see what financial repercussions, if any, the student will face. *Military dependents negatively affected by deployments or extended mobilizations should use the Medical/Compassionate Withdrawal process through the Office of the Vice President for Student Affairs.*

If approved, the service member will be subject to all JSU refund and academic penalty policies. If you have questions about Military Withdrawals or registering at JSU in the future, please contact the Office of Veteran Services at 256-782-8838 or veterans@jsu.edu.

**Students receiving federal financial aid should meet with Student Financial Services to determine the effect that the withdrawal will have on financial aid.

GRADING SYSTEM

The following represents the grading system used by the university and the basis upon which quality points are earned. The grade point average (GPA) may be determined by dividing the quality points earned by the GPA hours. The GPA is not rounded. The GPA is truncated to two places past the decimal for reporting purposes.

A — four quality points per hour (90-100)

B — three quality points per hour (80-89)

C — two quality points per hour (70-79)

D — one quality point per hour (60-69). This grade will not be assigned for EH 100, 101, 102, 103, 104, 348, LS 104, MS 100.

NC — No credits (0-69). This grade assigned only in English 100, 101, 102, 103, 104, 348, LS 104, MS 100 and STU 101.

F — No quality points (0-59). Failing grades may not be removed from the academic record. This grade will not be assigned for EH 100, 101, 102, 103, 104, 348, LS 104, MS 100.

P — Passing. Grade given for selected courses as specified in the course descriptions in this catalog. The grade of P does not affect the GPA. The grade of F on a pass or fail course is computed as a regular F grade.

W — Withdrawn or Dropped class, non-punitive

WF — Withdrawn failing (counts as an F)

WP — Withdrawn passing, non-punitive

X — Audit – no credit.

I — Incomplete – non-punitive.

The grade of "D" is considered passing. However, a "D" grade will not be allowed to count toward fulfilling required courses in the major, minor, and teaching field.

Transferred courses are accepted according to the letter grade sent by the issuing institution regardless of numerical scale on which the letter grade was based.

Incomplete Grade – The grade of "Incomplete" or "I" may be assigned by an instructor if extreme circumstances prevent a student from completing course requirements, and only if the student is passing the course. The "I" grade does not immediately affect a student's grade point average.

Completing the course requirements – The student is responsible for arranging to complete the remaining course requirements. One calendar year is allowed for completing the work. Grades of "I" will roll to "F" the day grades are due in each term. Students should not register for the course again. Once the student has completed all course requirements, the instructor submits a grade change to the Registrar's Office for recording. The registrar then notifies the student of the grade change. Failure to complete course requirements within one calendar year will result in a grade of "F" being assigned.

Requesting extensions – Before the end of one calendar year, the student must submit a written request for an extension to remove an incomplete. The instructor, department head, and dean must approve the extension before the registrar grants an extension of time.

If at any time during the process, as detailed above, the instructor is not available, the appropriate department head and/or dean will represent the instructor's interest.

REPLACEMENT COURSE POLICY

Students may improve their GPA by repeating courses at JSU. Only the higher grade will be counted in the institutional GPA. All attempts made at JSU will remain on the academic transcript. If students are on financial aid, they must follow federal regulations for repeated coursework. It should be noted that some programs have higher requirements for assessment into, continuation in, and graduation from the program. Therefore, the replacement course flexibility may not apply to all degree programs. Additionally, student athletes will be governed by the NCAA eligibility guidelines. This policy is effective beginning with the Spring 2017 term.

DUPLICATION OF COURSES

Credits toward graduation for any course, or part of a course, will not be granted twice. Only the highest grade will be counted in the *institutional GPA and earned hours. If a student transfers in repeated coursework from their institutions, the highest grade will be the only course grade initially evaluated. Any transfer course evaluated after the initial evaluation, in which that course has been repeated, will transfer but will not be included in the transfer GPA or hours earned. Select Jacksonville State University course numbers may be taken more than one time for credit. Any course number which may be earned for credit more than one time will be noted in the course description of the University Catalog along with the maximum times the course may be utilized for credit without being considered a duplication of credit.

*Institutional GPA is calculated from course credits earned ONLY at JSU. Institutional GPA will be used to determine program GPA requirements, honors designation, and university graduation requirements.

MIDTERM/FINAL GRADES

At midterm, grades can be viewed on MyJSU. Only grades of "D" or "F" are recorded at midterm. Grades can be viewed for a limited time only. Midterm grades are reported for fall and spring semesters only. Check the academic calendar for dates.

Final grades can be viewed through MyJSU for two weeks after the term ends. Final grades are also viewable permanently on the online transcript also available on MyJSU.

FINAL GRADE CHANGE

Final grades may not be changed after they have been officially submitted to the Registrar's office. Exceptions include incomplete grades (I) or in the case of miscalculation or miscommunication of the grade by the instructor. In these cases, grade changes are made online by the instructor and should be completed by midterm of the subsequent fall or spring semester.

GRADE APPEAL

Students wishing to appeal a grade should always begin by meeting with the instructor of record for the course. Oftentimes, this meeting will result in a satisfactory outcome for the student and instructor. If the student and instructor are unable to resolve the discrepancy, the student may consult with the instructor's department head, and finally, the dean of the school in which the course is offered. This process must be completed by midterm of the subsequent fall or spring semester.

HONORS

High scholastic attainment in the university will be recognized in the following ways:

1. Undergraduate student carrying 12 or more GPA hours in the fall and spring semesters will be recognized as follows:
 - a) Students who obtain a 4.00 grade point average for that semester will be listed on the President's List.
 - b) Students who obtain a grade point average between 3.50 and 3.99 for that semester will be listed on the Dean's List.
2. Honors at Graduation
 - a) The designation "cum laude" will be engrossed upon the diplomas of graduating students who obtain an average of 3.50 to 3.69 quality points on *institutional GPA hours.
 - b) The designation "magna cum laude" will be engrossed on the diplomas of graduating students who maintain an average of 3.70 to 3.89 quality points on *institutional GPA hours.
 - c) The designation "summa cum laude" will be engrossed upon the diplomas of graduating students who maintain an average of 3.90 to 4.00 quality points on *institutional GPA hours.
 - d) The designation "special honors in (the major subject)" will be engrossed upon the diplomas of graduating students who maintain a 3.50 average in the major field of study and a 3.25 *institutional GPA average.
 - e) Eligibility for Honors will be determined at the conclusion of the degree program.
 - f) The grade point average is truncated to two places past the decimal for reporting purposes and not rounded.

* Institutional GPA is calculated from course credits earned ONLY at JSU. Institutional GPA will be used to determine program GPA requirements, honors designation, and university graduation requirements.

UNDERGRADUATE ACADEMIC STANDARDS POLICY

Satisfactory Academic Progress

Students at the university are required to meet a minimum cumulative 2.00 grade point average (GPA).

GOOD ACADEMIC STANDING

Students will be considered in "good academic standing" if they are eligible to take classes at Jacksonville State University.

ACADEMIC ACTIONS

I. Academic Warning

A student will be placed on "academic warning" at the end of any term in which the cumulative GPA is less than the required 2.00 cumulative GPA.

II. Academic Probation

A student will be placed on "academic probation" at the end of any term following a semester on "academic warning" when the cumulative GPA is less than the required minimum 2.00 GPA. Students on "academic probation" must limit their course work during fall, spring and summer semesters to no more than thirteen (13) semester hours attempted. To avoid "academic suspension," a student must maintain a term GPA of 2.00.

III. Academic Suspension

A student will be placed on "academic suspension" at the end of any term following a semester of "academic probation" when the semester's term GPA is less than 2.00 or the cumulative GPA is less than the minimum cumulative GPA required. A student placed on "academic suspension" will be suspended for one semester, after which students may return to the university on "academic probation." (Note: From the last day of spring semester to the first day of fall semester counts as one semester.) Upon return, students must make a grade of "C" or better for each course or a 2.00 cumulative GPA. Students will be placed on "academic suspension" only once. Failure to maintain the required minimum cumulative GPA after "academic suspension" places the student on "academic dismissal." No credit for the purpose of transfer may be earned from any other institution of higher education while a student is on "academic suspension."

IV. Academic Dismissal

A student will be placed on "academic dismissal" following a semester of "academic suspension" when a suspension semester's term GPA is less than 2.00 or the required cumulative minimum 2.00 GPA has not been achieved. "Academic dismissal" is for at least one calendar year (twelve months). No credit for the purpose of transfer may be earned from any other institution of higher education while a student is on "academic dismissal."

V. Reinstatement

The administration recognizes that extenuating circumstances may have precipitated a student's poor academic progress. Such circumstances are not excuses for poor academic progress, but may justify consideration for reinstatement.

Students suspended or dismissed for academic reasons have the option of petitioning for reinstatement through the Director of Academic Advisement. Reinstatement is for one semester only. Any student under academic suspension or dismissal has the option of petitioning for reinstatement.

The reinstated student must maintain a 2.0 GPA or better during the reinstated semester. All requirements specified by the Director of Academic Advisement must be met. Among these are a course load of no more than the minimum full-time load, consultation with an academic advisor, and any special conditions necessary for the individual's reinstatement, e.g., specific courses, removal of incompletes, or progress reports.

Students not maintaining the GPA requirements or any condition of reinstatement will be suspended or dismissed from the university. The reinstated student in an academic suspension status must remain suspended for one semester. The reinstated student placed in an academic dismissal status must remain dismissed for one calendar year (12 months). Upon reinstatement the student will be ineligible for financial aid. Students may appeal. The Satisfactory Academic Progress and Appeals information for federal financial aid at JSU is at www.jsu.edu/finaid, click Forms, select the Satisfactory Progress and Appeals Policy for the year you have been reinstated.

The Director of Academic Advisement is responsible for maintaining an active file on each reinstated student and academic progress is monitored throughout the semester.

ACADEMIC FORGIVENESS

Occasionally, during a particular semester, students encounter personal, emotional or financial circumstances so devastating that performing academically at a level approximating their usual record of achievement becomes impossible. Normally, these students realize their situations in time to take the advisable course of action and withdraw from the university. If that is not done, however, and a student's grades for the semester are decidedly below that student's normal record, the student can petition for academic forgiveness. Undergraduate Institutional GPA must be a 2.0 or higher to be eligible. There are two options for academic forgiveness:

1. All course work taken, even hours completed satisfactorily during the semester for which forgiveness is requested, will be disregarded in the grade point average and as hours earned toward graduation OR

2. Select only specific courses from one semester to be disregarded in the grade point average and as hours earned toward graduation.

Academic forgiveness may be granted one time and is irreversible.

Procedure

Students may petition for academic forgiveness for only one semester (any fall, spring, or summer term) already completed at the university, provided the student has a GPA of 2.00 or higher in institutional work.

Forms and details of this policy are available in the Office of the appropriate school dean. Undecided majors should obtain this form and submit the petition to the Office of the Vice Provost located in Room 201 Bibb Graves Hall.

Students on financial aid should consult with the Office of Student Financial Services prior to the request being processed.

After review of the petition, by the dean, the dean's designee, or the Office of the Vice Provost, the Registrar's Office will adjust the academic record and notify the student.

Once granted, academic forgiveness cannot be reversed. Students should be aware that graduate and professional schools often compute grade point average over all hours attempted when considering applicants for admission.

A petition will not be considered if the student has received a degree subsequent to the semester in question.

SECOND CHANCE

Undergraduate students who have interrupted their college career for a period of at least two consecutive calendar years, at any point on their transcript, may apply for the second chance provision. Under this policy all course work completed at an earlier date will be eliminated from computation of the grade point average and cannot be applied toward a degree at Jacksonville State University. Such work will remain on the student's academic record, but will not be used in the computation of the grade point average for degree requirements. Some undergraduate professional programs may require inclusion of all course work for admission to, continuation in, and graduation from the program. Students should seek advice from the appropriate school dean or designated person.

Students on financial aid should consult with the Office of Student Financial Services prior to the request being processed.

Students seeking second chance status will be required to follow the catalog in effect at the time of re-enrollment. Second chance status may be granted only once and is irreversible. Second chance also applies to transfer work. Students seeking to apply for second chance can obtain a form in the Registrar's Office.

CLASS SIZE

The institution reserves the privilege of withdrawing any course in which fewer than ten students have enrolled and of closing or dividing sections whenever it is deemed that the interests of the students will be better served.

ATTENDANCE AT CLASSES

Specific policies on attendance may be established by individual departments and schools. These policies will be communicated to the students through the class syllabus at the beginning of the semester. Students are held responsible for attendance at all class meetings.

SEQUENCE OF COURSES

Prerequisites listed in this catalog must be observed; students should complete all work on the freshman and sophomore levels before entering advanced courses. University courses numbered 400 and qualifying for graduate classification are open only to those students classified as juniors or seniors.

CANDIDATES FOR DEGREES

Application for degree may be submitted to the office of the appropriate dean after junior classification is attained but no later than the last day to register in the semester in which the student will graduate. Students who are unsuccessful candidates for graduation should contact their respective dean's office regarding the procedure for re-applying for another graduation. Students must have satisfactorily completed the English Competency Exam (ECE) at least one semester before applying for graduation. All graduating seniors, traditional and distance education alike, are required to take either the ETS Proficiency Profile (EPP) or Collegiate Learning Assessment (CLA) prior to graduation - no exceptions or waivers. All on-campus students will take EPP through Counseling Services, unless they are randomly selected to take CLA. Then they will take CLA through Counseling Services on campus. All online only students will have a choice: Take EPP on campus or take the EPP online using ProctorU or other JSU-approved proctoring service at a cost of around \$23 per student.

FIRST-YEAR EXPERIENCE COURSE

Students with fewer than 24 earned hours must take STU 101: First-Year Experience Course. Students will achieve course objectives related to their overall adjustment to being a successful student at JSU. Topics discussed include how to: declare a major and develop a relationship with an academic advisor; understand components of MyJSU; know and understand JSU policies; participate in the summer reading program; learn and become active in JSU activities for students; understand and develop appropriate behavior for a college student; become familiar with student services; and acquire knowledge and skills necessary to prosper as a JSU student.

Beginning with the third attempt, and until the course has been successfully completed, a late registration fee of \$100 per semester will be charged.

First time freshmen over the age of 24 are exempt from taking STU 101.

TESTS AND EXAMINATIONS

Students who miss examinations or announced classroom assignments for legitimate reasons may take makeups, which shall be scheduled by the instructor at a reasonable time and under reasonable conditions. No penalty will be incurred either in the nature of examinations or grading. The legitimacy of the excuse for missing the test is to be determined by the individual instructor.

No regularly announced examination or final examination may be administered for the second time to the same student.

ENGLISH COMPETENCY EXAMINATION (ECE)

Undergraduate students must successfully complete the university ECE. Students who have completed JSU's EH 101 and 102, or equivalent compositional courses from a regionally accredited institution, and have earned between 48 and 60 semester hours are eligible to take the examination. Students are strongly advised to complete this examination prior to or during the junior year. Students must pass the ECE at least one semester before filing an application for graduation. Students who fail the ECE must successfully remediate before retaking it; the remediation process must be completed before the semester in which the ECE is retaken. Students register for the examination online. The ECE is given once each fall, spring and summer. Online students (those taking 100% of their classes online) should contact the ECE director by email at ece@jsu.edu for online registration information.

Students who have earned a bachelor's degree from a regionally accredited institution are exempt from the ECE.

GRADUATION TEST REQUIREMENTS

The following is the newly revised procedure for EPP (ETS Proficiency Profile) that applies to all students seeking baccalaureate degrees.

All graduating seniors, both traditional and online-only, except those who have previously earned a bachelor's degree from Jacksonville State University, are required to take the EPP prior to graduation.

All on-campus students will take the EPP through Counseling Services.

Online-only students have two options, taking the EPP on campus or taking it online using ProctorU or other approved proctoring services. Any proctoring fees are the responsibility of the student.

Once the EPP is completed and the scores evaluated, the student's degree evaluation will indicate if the EPP requirements have been met.

Beginning Fall 2014, all graduating seniors will be required to take the ETS Proficiency Profile (EPP) instead of the CBASE to meet the graduation requirement. Beginning Fall 2014, incoming freshmen will be required to complete the EPP in order to meet the QEP assessment requirements. These same students will then be required to complete the EPP the following spring. By requiring graduating seniors to complete the same assessment, JSU will be able to conduct longitudinal studies to determine how effective the QEP components are, and whether students are truly improving their critical thinking skills.

EARNING TRANSIENT CREDIT

JSU students who are eligible to take classes at JSU may attend a regionally accredited college or university as transient students to take acceptable course work. Students must have **written approval from the Registrar's Office prior to enrolling** at another college.

Students should note: (1) Course equivalencies should be checked with the JSU Registrar's Office. Students must have met the prerequisites for the requested course and must not have already earned credit for all or part of the requested course. (2) Students who are dually enrolled with JSU and another institution must abide by the JSU course load policy. (3) Students attending a community college must earn 60-64 semester hours from a senior institution. (4) Students must request an official transcript be sent to the JSU Registrar's Office when course work is completed.

NON-TRADITIONAL CREDIT

The maximum hours allowed for non-traditional credit (AP, CLEP, military service schools, correspondence, etc.) is 46 semester hours. Non-traditional credit awarded by Jacksonville State University is not considered as resident credit. Evaluations of non-traditional credit will be given on a case-by-case basis.

Military Transfer Credits

Jacksonville State University may award academic credit for training completed during military service. The university makes military transfer credit decisions based off recommendations from the American Council on Education's (ACE) Military Guide and campus academic units. Military Transfer Credits at JSU could be in the form of: General Electives, Military Science units, Physical Education units, or Direct Equivalencies.

Military students who desire to have their military training evaluated for potential academic credit must submit their Joint Services Transcript (JST) or Community College of the Air Force (CCAF) transcripts to the Admissions office. Once the JST or CCAF has been evaluated, each student should consult with their advisor to determine how best to use the awarded academic credit. Military students can expect an average of 3-10 credits awarded for prior military training.

Correspondence Courses

Credit obtained through correspondence courses from other accredited colleges or universities may be counted towards graduation, provided that the total work done through correspondence does not exceed 12 semester hours. Only hours on which a "C" grade or better has been earned will be accepted.

No credit is granted for courses through correspondence in the following areas: English composition, grammar, speech, professional education courses, beginning and intermediate foreign language courses, and science courses with required laboratories.

Written approval must be obtained from the appropriate dean prior to registering for correspondence work.

Credit by Challenge

Students seeking to challenge courses for credit must discuss it with the instructor and have the approval of the department head and dean prior to enrollment in the course. A credit by challenge form may be obtained from the appropriate dean's office. The grade earned will stand in the same manner as a course grade would if taken in normal fashion. Credit by challenge is permitted for undergraduate courses only and is not allowed during short terms. Previously attempted courses may not be challenged. Credit by challenge is not available for courses that are not suited to this procedure. Only one course may be challenged per semester.

College Level Examination Program (CLEP)

Jacksonville State University grants credit for CLEP scores. Students enrolling or enrolled at Jacksonville State University who are interested in attempting college level examinations should consult with the Registrar's Office before scheduling a testing appointment with Counseling Services at 782-5475, 140 Daugette Hall.

A student may not receive CLEP credit for any previously attempted college. Students may retake exams following CLEP's retake policy.

Test results are evaluated by the Registrar's Office and recorded on a student's transcript if credit is awarded.

Semester hours of credit toward graduation are awarded on the basis of CLEP tests but no grades or quality points are given. Therefore, CLEP credits will not affect grade point average (GPA).

CLEP Examinations and Credit Awards

Composition and Literature

American Literature	EH 201	3 hours
English Literature	EH 203, 204	6 hours
College Composition	EH 101, 102	6 hours
College Comp Modular	EH 101	3 hours
Humanities	HUM 100+	6 hours

Foreign Languages

French Language*	FH 101, 102	6 hours
German Language*	GN 101, 102	6 hours
Spanish Language*	SH 101, 102	6 hours

History and Social Sciences

American Government	PSC 100	3 hours
Human Growth and Development	PSY 222	3 hours
Introductory Psychology	PSY 201	3 hours
Introductory Sociology	SY 221	3 hours
Principles of Macroeconomics	EC 222	3 hours
Principles of Microeconomics	EC 221	3 hours
History of the United States I: Early Colonization to 1877	HY 201	3 hours
History of the United States II: 1865 to Present	HY 202	3 hours
Western Civilization I: Ancient Near East to 1648	HY 101	3 hours
Western Civilization II: 1648 to Present	HY 102	3 hours

Science and Mathematics

Biology	BY 101/103, 102/104	8 hours
Calculus	MS 125, 126	8 hours
Chemistry	CY 105/107, 106/108	8 hours
College Algebra	MS 112	3 hours
College Mathematics	MS 100+	6 hours
Natural Sciences	BY 101/103, Gen Elect	7 hours
Precalculus	MS 115	4 hours

Business

Financial Accounting	ACC 200, 210	6 hours
Introductory Business Law	FIN 292	3 hours
Information Systems and Computer Applications	CS 201	3 hours
Principles of Management	MGT 301	3 hours
Principles of Marketing	MKT 301	3 hours

Minimum CLEP score for credit award is 50.

*A score of 54 or higher in language will increase the credit award by 6 extra hours – 201 and 202.

Advanced Placement (AP)

Jacksonville State University awards credit for advanced placement courses taken in secondary schools and supplemented by the satisfactory scores on the national examination of the College Entrance Examination Board (CEEB) Advanced Placement program. A score of three or above is required to be considered for the possible award of credit. Prospective students should have their official score report submitted to the Office of Admissions as early as possible for review and possible award of credit.

Advanced Placement

Scores of 3, 4, or 5 are accepted.

Examination	Score	Equivalent	Hours
American History	3, 4, 5	HY 201 and HY 202	6
Art History	3	ART 111	3
	4, 5	ART 111 and ART 112	6
Studio Art – Drawing	3	ART 134	3
	4, 5	ART 134 and ART 234	6
Studio Art – General	3	ART 233	3
	4, 5	ART 233 and ART 240	6
Studio Art – 2-D Design	4, 5	ART 233 and ART 240	6
Studio Art – 3-D Design	4, 5	ART 233 and ART 240	6
Biology	3, 4, 5	BY 101/103 and BY 102/104	8
Chemistry	3	CY 105/107	4
	4, 5	CY 105/107 and CY 106/108	8
Computer Science A	3	CS 201	3
	4, 5	CS 201 and CS 230	6
English Lang. and Comp.	3	EH 101	3
	4, 5	EH 101 and EH 102	6
English Lit. and Comp.	3	EH 101	3
	4, 5	EH 101 and EH 102	6
European History	3, 4, 5	HY 101 and HY 102	6
French Language	3	FH 101 and FH 102	6
	4	FH 101, FH 102 and FH 201	9
	5	FH 101, FH 102, FH 201 and FH 202	12
German Language	3	GN 101 and GN 102	6
	4	GN 101, GN 102 and GN 201	9
	5	GN 101, GN 102, GN 201 and GN 202	12
World History	3, 4, 5	HY 101 and HY 102	6
Human Geography	3, 4, 5	GY 220	3
Calculus AB	3, 4, 5	MS 113 and MS 125	7
Calculus BC	3, 4, 5	MS 125 and MS 126	8
Music: Theory	3, 4, 5	MU 100	3
AP Physics 1	3, 4, 5	PHS 201/203	4
AP Physics 2	3, 4, 5	PHS 202/204	4
Physics B	3	PHS 201 and PHS 203	4
	4, 5	PHS 201/203 and PHS 202/204	8
Physics C: Mechanics	3	PHS 211 and PHS 213	5
	4, 5	PHS 211/213 and PHS 212/214	10
Physics C: Elec. and Mag.	3	PHS 212 and PHS214	5
	4, 5	PHS 211/213 and PHS 212/214	10
Spanish Language	3	SH 101	3
	4, 5	SH 101 and SH 102	6
Spanish Literature	3, 4, 5	SH 303	3
Government and Politics: Comparative	3, 4, 5	PSC 101	3
Government and Politics: United States	3, 4, 5	PSC 100	3
Macroeconomics	3, 4, 5	EC 222	3
Microeconomics	3, 4, 5	EC 221	3

Psychology	3, 4, 5	PSY 201	3
Statistics	3, 4, 5	MS 204	3

ACT/SAT Credit for English Composition

Students will receive advanced placement with credit for English Composition with the following scores:

English Subtest ACT 28-30; SAT 620-680/2400; or SAT 33-36/1600	EH 101	3
English Subtest ACT 31-36; SAT 690-800/2400; or SAT 37-40/1600	EH 101 and EH 102	6

For transfer students who have earned non-traditional credit for EH 101 with grades of A, B, C, or P, the university will honor those credits if EH 102 credit has also been earned with a grade of A, B, C, or P.

Once credit has been awarded, if a higher score is earned on the ACT/SAT, the student must contact the Registrar's office for re-evaluation of credit.

International Baccalaureate Program (IB)

Credit will be granted by Jacksonville State University to those who have achieved a score of five (5) or higher on the International Baccalaureate Program examinations.

International Baccalaureate Examination	Minimum Score	JSU Course Equivalent	Credit
Art, Studio	5	ART 134, ART 234	3, 3
Art, General – portfolio	5	ART 233, ART 240	3, 3
Biology (HL/SL)	5	BY 101/103, BY 102/104	4, 4
General Chemistry	5	CY 105/107, CY 106/108	8
Computing Studies	5	CS 230	3
Economics	5	EC 221, EC 222	6
English	5	EH 101 and EH 102	6
Appropriate World History Exam (HL/SL)	5	HY 101	3
Appropriate World History Exam (HL/SL)	5	HY 102	3
Appropriate U.S. History Exam (HL/SL)	5	HY 201	3
Appropriate U.S. History Exam (HL/SL)	5	HY 202	3
Mathematics	5	MS 115 and 125	8
Physics	5	PHS 211/213, PHS 212/214	10
Psychology	5	PSY 201	3

Advanced International Certificate of Education (AICE)

AICE Subject	Grade	JSU Credit	Credit Hours
Art and Design (AS Level)	A-E	ART 134	3
Art and Design (A Level)	A-E	ART 134 and ART 233	6
Biology (A Level)	A-E	BY 101/103 and BY 102/104	8
Chemistry (A Level)	A-E	CY 105/107	4
Economics (A Level)	A-E	EC 221 and 222	6
English (AS Level)	A-E	EH 101	3
Language or Language & Literature (AS Level)	A-E	EH 101	3
English (A Level)	A-E	EH 101 and EH 102	6
Literature in English (A Level)	A-E	EH 101	3
French Language (AS Level)	A-E	FH 101	3
French (A Level)	A-E	FH 101 and FH 102	6
Further Mathematics	A-E	MS 125 and MS 126	8
Geography	A-E	GY 120	3
German Language (AS Level)	A-E	GN 101	3
German Language (A Level)	A-E	GN 101 and GN 102	6
Mathematics (AS Level)	A-E	MS 112, 113, OR 115	3

Mathematics (A Level)	A-E	MS 112 and MS 204 PHS 201/203 and PHS 202/204	6
Physics (A Level)	A-E	202/204	8
Psychology (AS and A Level)	A-E	PSY 201	3
Sociology (A Level)	A-E	SY 221	3
Spanish Language (AS Level)	A-E	SH 101	3
Spanish Language (A Level)	A-E	SH 101 and 102	6

ONLINE EDUCATION

Jacksonville State University is committed to meeting the needs of all students. With a learning-centered focus, online education at JSU enhances this capability by utilizing an ever-expanding set of instructional and technological tools to reach students who may have previously been unable to participate in higher education. With modern approaches to teaching that bring instruction to students where they are, dedicated learners from all walks of life can engage in course work while continuing with their demanding personal and employment schedules. Greater flexibility in scheduling provided by online education courses allows JSU to serve a broad and diverse range of students by providing them with the education and tools needed to reach their goals, whether professional or personal.

JSU is dedicated to developing relevant, engaging, and high-quality courses for online distribution, and our classes meet stringent requirements to ensure the same high levels of quality and rigor as those offered on campus. A growing number of graduate and undergraduate courses, as well as full degree programs, and certificates are offered online. For a listing of all online programs, refer to <http://www.jsu.edu/online>. Convenient to students who are unable to travel to JSU's main campus, online courses save time and travel expenses. Students may communicate with their instructors and collaborate with classmates in many and various ways such as email, instant messaging, web conferencing, discussion boards, and other methods. Depending on instructor preferences, examinations may be administered online, or through a proctor near a student's location. All students should review the following website for more information on proctoring options which may be utilized by instructors and the costs associated with those options:

http://www.jsu.edu/online/current-students/test_security.html

For further information about online education, students may contact Online@JSU at (256) 782-8172 or toll free at 1-800-231-JAX1, extension 8172, email online@jsu.edu, or visit the Online@JSU website at <http://www.jsu.edu/online>.

UNIVERSITY CODE OF STUDENT CONDUCT

The Office of Community Standards and Student Ethics stands to support the Jacksonville State University mission through remaining student centered and educational in its disciplinary procedures. The Code of Student Conduct is a way for the University to publically expect all students (undergraduate, graduate and non-degree seeking) to maintain standards and respect for the University community. The Code of Student Conduct is designed to support students in an educational and restorative way who allegedly engage in misconduct; as defined as any behavior inconsistent with University policies or local, state, federal and international laws. The Office of Community Standards and Student Ethics upholds the mission and goals of the institution while recognizing and respecting the rights, privileges and responsibilities of JSU students. (Misconduct can be further outlined within the Student Handbook, available online at <http://www.jsu.edu/studentaffairs/handbook.html>).

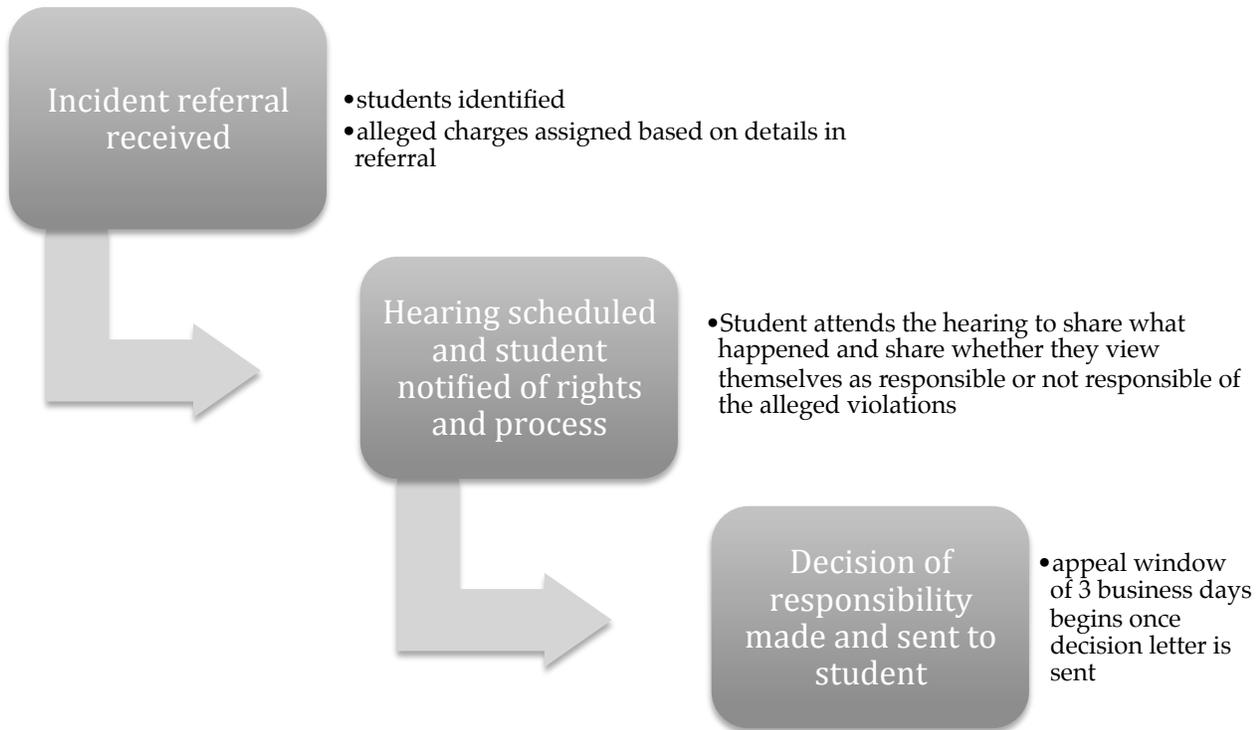
The Office of Community Standards and Student Ethics has outlined values that are critical to the follow-through of a fair and equal disciplinary proceeding for those students allegedly in violation of the Code of Student Conduct.

- I. Professional responsibility: Balance developmental and educational needs of the student with the obligation of Jacksonville State University to protect the safety and welfare of the academic community. In situations where the behavior of a student poses a risk to self or others, Jacksonville State University staff must take action consistent with applicable laws and regulations.
- II. Nondiscrimination: Protect human rights and promote appreciation of diversity and multicultural practice at Jacksonville State University.
- III. Equal and Consistent Treatment: Treat all students with impartiality and accept all students as individuals with rights and responsibilities. Seek to create and maintain a campus climate in which learning and personal growth and development take place. Follow procedural guidelines when enforcing the Code of Student Conduct; as outlined by Jacksonville State University's Code of Student Conduct.
- IV. Confidentiality: Confidentiality is maintained with respect to all privileged communications and to educational and professional records considered confidential. Information is only shared in accordance with institutional policies and relevant statues, where given informed consent, or when required to prevent personal harm to self or others.
- V. Respect: Opportunity for every student and University employee to be treated with respect and dignity with the freedom of speech and open exchange of ideas.

Jacksonville State University's conduct system has authority in all non-academic disciplinary matters. The University reserves the right to discipline students and recognized student organizations for acts of misconduct wherever they occur. The University, at its discretion, may pursue disciplinary action against a student while the student is also subject to criminal proceedings. The University reserves this right, even if criminal charges are pending, reduced, or dismissed. As a Jacksonville State University community member, students are expected to uphold and abide by all local, state, federal and international laws. Referrals received from any University or police authority, regardless of location, are subject to the possible Code of Student Conduct proceedings for the accused.

In an effort to remain student centered in its practice, the Office of Community Standards and Student Ethics disciplinary process depends largely on the participation and involvement of students. The Director for Community Standards and Student Ethics has been designated as the supervising official and gatekeeper for the Code of Student Conduct and its disciplinary procedures. Violations of University policies, local, state, federal or international laws should be reported to the Director of Community Standards and Student Ethics. Jacksonville State University Handbook is available online at <http://www.jsu.edu/studentaffairs/handbook.html> or a hard copy may be obtained from the Dean of Students office, 402 Theron Montgomery Building.

A brief outline of a students' procedural assurances is outlined below (the procedural assurances in its entirety can be located in the student handbook as referenced above at <http://www.jsu.edu/studentaffairs/handbook.html>):



TITLE IX GENDER-BASED AND SEXUAL MISCONDUCT POLICY

Members of the Jacksonville State University (JSU) Community, guests and visitors have a right to be free from all forms of gender and sex-based discrimination, examples of which include, but are not limited to, acts of sexual violence, sexual harassment, domestic violence, dating violence, stalking, or discrimination based upon their sex, gender orientation or gender identity, or retaliation for reporting the same. All members of the University community are expected to conduct themselves in a manner that does not infringe on the rights of others. JSU has a zero tolerance policy for gender-based misconduct and will promptly investigate all allegations brought to the attention of University administrators. Where individuals are found to be in violation of this policy, appropriate sanctions will be imposed.

This policy has been developed to reaffirm the University’s commitment to maintaining a safe campus community and to provide proper recourse for those individuals whose rights have been violated. The enforcement procedures utilized in implementing this policy balance the rights of victims, complainants, an accused and witnesses.

As the JSU administration is currently structured, the University’s Title IX Coordinator is responsible for implementation and application of this policy: Jennifer Argo, 102 Bibb Graves Hall, (256) 782-5769, jlargo@jsu.edu.

Full information on JSU’s Title IX Gender-Based and Sexual Misconduct Policy can be found on the JSU website: <http://www.jsu.edu/titleix/title-ix-gender-based-and-sexual-misconduct-policy.html>.

Full information on JSU’s Title IX Grievance Resolution Process including Procedures can be found on the JSU website: <http://jsu.edu/titleix/title-ix-grievance-resolution-process.html>.

GENERAL INFORMATION

POLICY ON PRIVACY RIGHTS OF STUDENTS

NOTIFICATION BY THE UNIVERSITY

At least annually the university shall notify its eligible students of its policy on privacy rights of a student as follows:

1. Access to records.

- (a) Subject to the limitations contained in (b) which follows, the education records of an eligible student shall be accessible to such students. Such right of access shall include: The right to be provided a list of the types of education records which are maintained by the institution and are directly related to students; the right to inspect and review the content of those records; the right to obtain copies of those records, which may be at the expense of the eligible student (but not to exceed actual cost to the institution of reproducing such copies), the right to a response from the institution to reasonable requests for explanations and interpretations of those records; the right to an opportunity for a hearing to challenge the content of those records; if any material or document in the education records of the student includes information on more than one student, the right to inspect and review only such part of such material or document as related to such student or to be informed of the specific information contained in such part of such material.
- (b) The following materials will not be available to an eligible student: Financial records of the parents of the student or any information contained therein; confidential letters and statements of recommendations, which were placed in the education records prior to January 1, 1975, if such letters or statements are not used for purposes other than those for which they were specifically intended; if the student has signed a waiver of the student's right of access, confidential recommendations (1) respecting admission to any education agency or institution, (2) respecting an application for employment and (3) respecting the receipt of an honor or honorary recognition.

2. Procedures for granting access.

- (a) An eligible student desiring access to his/her education records shall make a request in writing to the appropriate office. Requests concerning: (1) Admissions should be made to the Office of Admissions; (2) student records should be made to the university Registrar; (3) financial records should be made to the Vice President of Business Affairs; (4) financial aid records should be made to the Director of Student Financial Services; (5) placement, counseling, disciplinary, health and security records should be made to the Vice President for Student Affairs; (6) school and departmental records should be made to the dean of the appropriate school; (7) employment records should be made to the Department of Human Resources.
- (b) In the event the records are not produced for inspection as set out above, or there is some question as to the right or duty of the office to produce them for inspection, the matter shall forthwith be submitted to the head of the office involved for determination. An appeal of his/her decision may be made immediately to the President of the University, who may notify the Records Grievance Committee, if appropriate.

3. Challenges of the content of records.

- (a) Any dispute with an eligible student regarding the content of his/her education records will be settled, if possible, through an informal meeting and discussion with the student.
- (b) If the dispute is not settled through informal meeting and discussion referred to above, either the student or the appropriate official of the university may request a formal hearing on the matter. The hearing shall be conducted and the decision rendered by the Records Grievance Committee appointed by the President. At said hearing the eligible student shall be afforded a full and fair opportunity to present evidence relevant to the issues involved. A decision shall be rendered in writing by the committee within a reasonable period of time after the conclusion of the hearing, in no case to be more than 15 days.

4. Release of personally identifiable records.

- (a) An eligible student may request in writing that directory information not be made accessible to any party except those set forth in (b) below. Any such request shall be made within seven days after the formal registration period ends. This request may not be withdrawn during the semester in which made. Directory information includes the student's name, mailing address, telephone listing, JSU email address, enrollment status (full time, part-time), whether currently enrolled or not, class/level, major field of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, prior post-secondary institution(s) attended, JSU photograph(s), dates of attendance, thesis/dissertation title, and degrees and awards received. The university reserves the right to deny directory information.
- (b) Without the written consent of an eligible student, other education records shall not be made accessible to any party other than the following: other university officials and teachers who have a legitimate education interest in such records; officials of other schools in which the student seeks and intends to enroll; the Comptroller General of the United States; the Secretary of the Office of Education; the U.S. Commissioner of Education; the Director of the National Institute of Education; the Assistant Secretary for Education; authorized state educational authorities; the appropriate authorities in connection with the student's application for, or receipt of, financial aid; state and local officials or authorities to which such information is specifically required to be reported or disclosed by state law adopted prior to November 19, 1974; organizations conducting studies for, or on behalf of, educational agencies of institutions for the purpose of developing, validating, or administering predictive tests, administering student aid programs, and improving instruction, if such studies are conducted in such manner as will not permit the personal identification of students and their parents by persons other than representatives of such organizations, and such information will be destroyed when no longer needed for the purpose for which it is conducted; accrediting organizations in order to carry out their accrediting functions; parents of a dependent student or such parents as defined in section 152 of the Internal Revenue Code of 1954; or

in compliance with judicial order or pursuant of any lawfully issued subpoena, upon condition that the students are notified of all such orders or subpoenas in advance of the compliance therewith by the educational institution.

- (c) The written consent of the eligible student referred to in (3b) above must be signed by the student, must be dated, shall include a specification of the records to be released, the reason for such release and the names of the parties to whom such records will be released, and shall be provided to the eligible student upon payment of the reproduction cost.
 - (d) The restriction on the release of education records or personally identifiable information contained therein, as set out in (3b) above, shall not prohibit the release of information from the education records of an eligible student to appropriate persons in connection with an emergency, if the knowledge of such information is necessary to protect the health or safety of a student. The factors which should be taken into account in determining whether records may be released under this section include the following: the seriousness of the threat to the health or safety of the student or other persons; the need for such records to meet the emergency; whether the persons to whom such records are released are in a position to deal with the emergency; and the extent to which time is of the essence in dealing with the emergency.
 - (e) No personal information on a student will be released without a written statement from the university to the party receiving the information that no other party is to have access to such information without the consent in writing of the eligible student.
5. The USA Patriot Act (USAP) amends the Family Educational Rights and Privacy Act (FERPA) to permit educational institutions to disclose education records to Federal law enforcement officials without student consent as follows:
- (a) By certifying that "specific and articulable facts" support the request, a U.S. Assistant Attorney General or higher-ranking official may obtain an *ex parte* court order that requires an educational institution to turn over education records considered relevant to a terrorism investigation.
 - (1) Institutions do not violate FERPA by responding to such an order without student consent.
 - (2) The institution need not make a record of the disclosure, as FERPA ordinarily requires.
 - (3) A college or university "shall not be liable to any person for good faith disclosure of education records in response to such an *ex parte* order."

6. Release of Student Transcript.

In accordance with the Buckley/Pell Amendment to the Family Educational Rights and Privacy Act, 1974, Jacksonville State University requires a signed letter of authorization or a signed JSU Transcript Request Form, with the original signature of the student making the request, or a request through the secure National Student Clearinghouse website in order to release that student's transcript(s). Additionally, the signed request must include the name and address of the institution or individual who is to receive the transcript(s), and the appropriate payment for the transcript(s). A transcript cannot be released to another individual without written authorization from the student. Telephone requests will not be accepted. Transcripts may be mailed directly to an institution or individual from the JSU Registrar's Office or issued directly to the student in a sealed JSU envelope. Official transcripts may NOT be released if the student account currently has a balance or "hold" at the time the transcript request is processed. All accounts in the Office of Student Accounts must be clear. Transcript requests received in the Registrar's Office will be processed in a timely manner. Any request that is held until semester grades are posted or until degrees are confirmed will be processed on the next business day after such occurrence. Payment must be made upon request, however, and all accounts must be clear at the time the transcript request is processed. Any transcript request received in the Registrar's Office without a proper signature or without appropriate payment or with a record "hold" will be returned to the student with instructions to resubmit the request with the appropriate inclusions. JSU reserves the right to alter, amend, or modify this policy at any time and will publish at least annually its policy on release and costs of student transcripts.

Permanent Educational Record

The permanent educational record of the student consists of all classes the student has taken at JSU, the grades earned for those classes, all classes transferred to JSU from other institutions of higher education, the grades earned for those classes, and all non-traditional credit that has been granted by JSU to the student: CLEP, AP, military service schools or work experience.

Social Security Number

The student's social security number is confidential. However, the Federal Taxpayer Relief Act of 1997 requires all institutions to report certain data using the social security number. Therefore, the social security number must be provided to Jacksonville State University in accordance with the legislation. Federal law requires that students who apply for financial aid must use their social security number.

Authority for requesting the disclosure of a student's social security number is in Section 7(a)(2) of the Privacy Act 1974 (5 U.S.C. 522a).

Section 504/Americans with Disabilities Act (ADA) Compliance

Jacksonville State University has filed with the Federal government an Assurance of Compliance with Section 504 of the Rehabilitation Act of 1973 as amended. The university does not discriminate on the basis of disability, and no qualified disabled person shall, on the basis of disability, be excluded from participation in, be denied the benefits of, or otherwise be subjected to discrimination under any program or activity.

The coordinator of Section 504 and compliance officer for ADA is Dr. Tim King, (256)782-5020. Students seeking accommodations may call Disability Support Services at (256)782-8380. Disability Support Services is located in 139 Daugette Hall. More information can be located online at <http://www.jsu.edu/dss>.

UNIVERSITY DRUG-FREE WORKPLACE POLICY

Jacksonville State University hereby affirms its policy of providing a drug-free workplace for its employees. In furtherance of this policy, the following guidelines and sanctions have been adopted.

A. Drug Use Policy

Federal law prohibits the illegal manufacture, distribution, dispensing, possession, or use of a controlled substance in the workplace. (The "workplace" is defined as Jacksonville State University property, vehicles, or participation in a JSU sponsored activity away from campus.) It is the policy of JSU to comply totally with this law and in compliance will: 1) Provide each student and employee a copy of this policy; 2) require any student convicted of any criminal drug statute violation which has occurred in the workplace to notify the university Judicial Coordinator within five (5) days of the conviction; 3) require any faculty or staff member convicted of any criminal drug statute violation which has occurred in the workplace to notify the Department of Human Resources within five (5) days of the conviction.

B. Legal Sanctions

Legal sanctions for possession, use or distribution of illicit drugs and alcohol may include imprisonment for periods ranging from less than one year (for first offense) up to life imprisonment without parole (for multiple convictions) and fines ranging up to \$500,000.

C. Health Risks

Marijuana:

- 1) Use of marijuana reduces short term memory, motivation, concentration and attention span;
- 2) Infertility may be caused by the use of marijuana in both males and females;
- 3) Lung damage may result from use of marijuana.

Cocaine:

- 1) Use of cocaine may lead to addiction;
- 2) Use of cocaine may cause permanent damage to the lungs, liver, and nose;
- 3) Chest pain, heart attack, heart failure, stroke, and seizures may result from the use of cocaine.

Alcohol:

- 1) Use of alcohol may lead to addiction;
- 2) Damage to the liver, brain, heart, and other organs may result from long-term drinking;
- 3) Harm may occur to babies whose mothers use/abuse alcohol during pregnancy (Fetal Alcohol Syndrome);
- 4) Abuse of alcohol can lead to overdose and death;
- 5) Mixing alcohol with other drugs (legal and illicit) may intensify the effects of either, making overdose more likely.

Use of drugs and/or alcohol causes impairment of judgment and motor skills which greatly increases the risks of injury or death due to accidents.

D. Drug Awareness, Counseling, and Treatment

Counseling Services offers counseling to all students, faculty, and staff at Jacksonville State University. These services are without charge. These services may include intervention and other methods of therapy. Referrals may also be made to a facility approved under our health insurance plan. These services are conducted under the strictest confidence.

E. Institutional Sanctions

- 1) Students who violate this policy will be subject to disciplinary action up to and including dismissal from the university.
- 2) Employees who violate this policy will be subject to disciplinary action up to and including discharge. If you are charged by your immediate supervisor with an offense which may result in discharge, your case will be referred to the next level of supervision and your immediate discharge may be recommended or effected immediately. If discharged, you will not be entitled to accrued annual leave, and this action will become a part of your employment record.

PUBLIC SAFETY

The university provides a wide range of public safety services to include law enforcement, security, parking, traffic enforcement, emergency management, and crime prevention. Students, employees and visitors may report criminal incidents, accidents, and/or emergencies to the University Police.

UNIVERSITY POLICE DEPARTMENT CRIME STATISTICS

<http://www.jsu.edu/police/docs/CleryAnnualReport.pdf>

UNIVERSITY POLICE DEPARTMENT FIRE LOG

<http://www.jsu.edu/police/fire.html>

MOTOR VEHICLES

Jacksonville State University Police Department has the authority to promulgate and enforce rules and regulations for the operation of motor vehicles on campus. The responsibility of obtaining knowledge of parking and traffic regulations rests with the motor vehicle operator. These rules and regulations are subject to enforcement on a year-round basis regardless of whether or not school is in session. These regulations are provided and enforced to insure the safety of

drivers, pedestrians and property, as well as provide parking areas for those who drive a vehicle on the Jacksonville State University campus. A parking and traffic plan can be successful only when all faculty, staff, students and visitors abide by the governing regulations.

Each faculty, staff, and student of Jacksonville State University who operates a vehicle on campus must register their vehicle with the University Police Department. Registration is available online at <http://my.jsu.edu/cp/home/loginf>.

Visitors to campus may register their vehicles with the University Police Department 24 hours a day, 7 days a week and obtain a free parking pass. Visitors also have the option of registering their vehicles with designated personnel in campus buildings and facilities during business hours and obtaining a free parking pass. Should a visitor wish to obtain a visitor yearly decal they should pay \$25.00 in the Office of Student Accounts located in Bibb Graves Hall then bring the receipt, driver's license and tag receipt/vehicle registration to the University Police Department and obtain the yearly decal. Parking rules and regulations are available online at: <http://www.jsu.edu/police/traffic.html>.

Every vehicle parked on campus must have a JSU issued decal displayed on it. The vehicle must then be parked in a parking space which corresponds with the assigned decal zone. Commuters park in the outer parking lots near academic buildings to avoid driving on the main campus, while JSU residents park near their dorm or apartment and should avoid driving to academic buildings for class. Limiting vehicle movement assists with keeping traffic congestion down, which allows the Gamecock Express to run the assigned routes in a timely manner. Keep in mind that with six thousand vehicles on campus daily, those vehicle operators cannot relocate in the 15 minutes allowed between classes without causing major delays at intersections on and around campus.

There is no parking on Trustee Circle, in the GX Bus Station or at yellow curbs. White curbs indicate the parking spot is reserved for university owned vehicles (mail, maintenance, I.T. and police) unless a sign states otherwise (examples would be handicap, visitor, 15-minute parking, Pannell residents only).

The parking map is available at <http://www.jsu.edu/campusmap> along with a copy of the signs marking the parking zones, bus routes, wireless locations, housing, emergency phones and dining areas on campus.

THE CYNTHIA H. HARPER CHILD STUDY CENTER

The Cynthia H. Harper Child Study Center at JSU is operated by the Department of Family and Consumer Sciences and supports the instructional goals of the department. The center provides students and faculty opportunities for study and research related to the child. The center provides students enrolled in university courses opportunities to work with children in the preschool setting and provides children enrolled in the center an environment which promotes optimum development.

Applications are accepted for children ages three to four years. Fees are due before classes begin and are paid directly to the JSU Office of Student Accounts. Fees per child are \$500.00 for the fall semester, \$500.00 for the spring semester, and \$180.00 for the Summer term. The center is open from 7:15 a.m. to noon, Monday-Friday, when JSU classes are in session. Application forms may be obtained from the Department of Family and Consumer Sciences.

MYJSU ELECTRONIC MAIL

All JSU students are assigned a JSU email address when they are accepted for admission. Access to email is through an easy to use web based interface. For more information, visit the User, Security and System Support web page at <http://www.jsu.edu/it/services/accounts/student-email.html> or call (256) 782-8324.

ID CARD

JSU ID cards are made in the office adjacent to the Montgomery Food Court in Theron Montgomery Building. Hours are 8:00 a.m.-4:00 p.m. Monday-Thursday and 8:00 a.m.-2:00 p.m. on Friday. The office is closed Saturday and Sunday. The office also closes 12:00 noon-1:00 p.m. for lunch Monday-Friday. Anyone wishing to acquire a JSU ID card must be currently enrolled at the university and present proof of enrollment and identification before the card can be issued.

UNIVERSITY BOOKSTORE

The University Campus Bookstore is located on the second floor of the Theron Montgomery Building. Students may purchase books and supplies at the University Bookstore, including new and used books, school and office supplies, clothing and gifts, and study guides. Textbook buyback days are scheduled for the week of finals at the end of fall, spring, and summer semesters. Extended operating hours are offered for the convenience of evening students.

MAIL CENTER

Each student enrolled at JSU is encouraged to obtain a campus post office box. All correspondence from the university, including financial aid checks not issued through direct deposit and mid-term grade reports, will be sent to the post office box, unless the student elects the home mailing option. By paying a non-refundable fee per semester, students may have all correspondence sent to their off-campus mailing address.

The Mail Center is located on the 4th Floor of the Theron Montgomery Building and is open from 8:00 a.m.-4:30 p.m. Monday-Friday. Mail is delivered Monday-Friday. No Saturday delivery is offered.

CAREER SERVICES

The Career Services Office advertises part-time, co-op, internship and full-time job postings online in Jlink, <https://jsu-csm.symphlicity.com>. Other services provided are resume critique, internships (not for academic credit), co-op program, mock interviews, federal resume writing assistance, career assessments, career counseling, job fairs, employer on-campus interviews and informational sessions. The services are provided online and in person. Career Services is located in Suite A Ramona Wood Building. To schedule an appointment, contact careerservices@jsu.edu or 256-782-5482

Visit our website to learn more about our services & upcoming events:
<http://www.jsu.edu/careerservices/index.html>. Questions for Career Services may be submitted using the online form
<http://www.jsu.edu/careerservices/question-form/index.html>.

COUNSELING AND TESTING SERVICES

Counseling Services offers individual and group counseling for JSU students, faculty, and staff. Individuals needing counseling may self-refer or may be referred by faculty members or other university personnel. Appointments can be obtained by calling (256) 782-5475 or by completing the online counseling request form located at <http://www.jsu.edu/ccservices/requestforservices.html>. The Counseling Office facilitates the New Pathways Group which is a substance abuse education group for students. Counseling Services also offers recovery and other support groups on an as needed basis. Staff members in the office are responsible for implementing campus and community programming on topics pertaining to safety, health, and wellness. The Counseling Office coordinates and advises the JSU Peer Educator group who also assist in the implementation of campus programming. The Counseling Office staff maintains a rotating on-call schedule for any crisis situation after normal business hours. If there is an after-hours emergency, the counselor on call will be contacted by the University Police Department.

Testing services are available to JSU students and the community, to include testing for proctored exams, math make-up exams, CLEP, EPP, MAT, Residual ACT, the Alabama State Personnel Exam, ProvExam Certificate, ACT Workkeys, TOEIC English Language Exam and the EIPA. Exams must be scheduled by appointment. There are fees associated with some administered tests. Current information regarding registration, fees and testing dates can be located on the Counseling Services webpage at <http://www.jsu.edu/ccservices> or by calling (256) 782-5475..

DISABILITY SUPPORT SERVICES

Disability Support Services (DSS) provides appropriate and reasonable accommodations for students with documented disabilities. It is the goal of DSS to ensure that students with disabilities have equal opportunity to achieve their personal academic goals while maintaining the integrity of JSU's academic program requirements. DSS provides reasonable accommodations through a variety of services and programs. Accommodations may include: exam proctoring, special testing procedures, extended time on exams, priority registration, interpreter services, captioning services, readers, note takers, brailled formats, enlarged print materials, alternative formats, and assistive technology. DSS is located in 139 Daugette Hall; more information can be located at www.jsu.edu/dss or by calling (256) 782-8380.

LEARNING SERVICES

Learning Services administers and monitors the JSU EdReady Math Placement Exam required for all JSU students and assists undergraduate students in mastering basic and life skills through competency-based courses in the Department of Learning Skills and through learning assistance. Learning Services also assists students in developing college-level skills through the summer bridge program, Fast Start Academy. Student who do not master the English Competency Exam, which is required for graduation, enroll in Learning Services ECE Remediation before they attempt the exam again.

TUTORING SERVICES

Tutoring Services provides an extra boost to JSU students who anticipate they will have academic difficulty in general education courses. Peer tutors work individually or in small group study sessions with students to enhance and assist in academic progress. Tutorial services are free to all JSU students.

STUDENT HEALTH CENTER

The Student Health Center is a primary health care facility providing outpatient medical services, as well as promoting preventive health measures, to currently enrolled students, staff, and faculty.

Prior to enrollment, new students are required to submit completed student health information to include: (1) Student Health Form, (2) immunization form, and (3) proof of tuberculosis screening.

INSTRUCTIONAL SERVICES UNIT

The Instructional Services Unit (ISU) is a division within the School of Education that provides a variety of support services. It consists of the Teaching/Learning Center (T/LC), <http://www.jsu.edu/depart/edprof/isu/tlc.html>; Learning Resource Center (LRC), www.jsu.edu/depart/edprof/isu/lrc.html; and Multimedia Instructional Laboratory (MIL), <http://www.jsu.edu/depart/edprof/isu/mil.html>.

The T/LC is an on-campus, free tutorial service to city and county school students in grades K-12. The ISU offers teachers-in-training an opportunity to gain practicum experience through the T/LC in-house laboratory tutoring program. Preservice teachers and children are exposed to the latest technology and strategies, including the internet.

The LRC provides educational materials and equipment to teachers currently employed in the public schools, undergraduate and graduate students in education, and JSU faculty. The materials include: instructional games, kits, books, computer programs and audiovisuals. A wide variety of subjects are represented in the center, including reading, language, mathematics, social studies, science, health, perceptual motor, special education, and social-emotional development. Most of the items are available for short-term check out. Additionally, the center offers media preparation services, such as laminating, copying, duplicating, letter cutting, and transparency making. Word processing, online and internet access are available to students, faculty and the community through the LRC.

The MIL is also associated with the ISU. Multimedia computers utilizing a wide variety of formats, including videodisks, DVDs and CD-ROMs, help to insure that students are exposed to the latest technologies available.

The ISU reflects goals and objectives that maximize the effective use of facilities, staff and resources in the School of Education.

HOUSTON COLE LIBRARY

The twelve-story Houston Cole Library contains most of the university library collections. The collections, which consist of over 800,000 bound volumes plus numerous periodicals, electronic books and full-text periodical databases, microforms and audio-visual materials, meet the curriculum and research needs of the university community. Materials are available on all reading and interest levels. The library is a depository for government publications and United States Geological Survey maps. Through cooperative inter-library arrangements, the library makes its holdings available and has access to the resources of libraries throughout Alabama, the nation, and the world. The library web page, which provides access to the catalog, periodical databases and many other electronic resources, can be found at www.jsu.edu/library.

The library is arranged by subjects on individual floors and served by subject specialist librarians. Library faculty and staff on these floors provide reference service and instruction in how to use library materials and search bibliographic databases. Library books and reserve materials may be checked out in the lobby. All library services are available to online and distant education students as well.

A computer lab is located on the 10th floor, and each subject floor provides public access computers hard-wired to the internet. Laptop computers can be checked out from the 6th floor listening lab for in-house use on the library's wireless networks. Group Study rooms are available for check out on select floors.

Houston Cole Library is open 87 hours per week when classes are in session. The library offers extended hours during fall and spring semester final exams.

ATHLETICS

Jacksonville State University is a NCAA Division I member of the Ohio Valley Conference. Since joining the OVC prior to the 2003 season, the Gamecocks have won Conference Championships in Football, Men's Basketball, Volleyball, Rifle, Men's Tennis, Men's Golf, Women's Golf, Baseball, and Softball.

The University offers 17 varsity sports, which all compete in the Ohio Valley Conference:

MEN – Baseball, Basketball, Cross Country, Football, Golf, Rifle and Tennis

WOMEN – Basketball, Cross Country, Golf, Soccer, Softball, Tennis, Volleyball, Beach Volleyball and Indoor and Outdoor Track

In addition to the numerous Ohio Valley Conference Championships, JSU also has claimed the OVC Women's All-Sports Trophy and finished as high as third in the Men's All-Sports standings. The All-Sports trophy is a symbol of overall athletic excellence in conference-sponsored championships.

Gamecock student-athletes also excelled in the classroom as 116 student-athletes were named to the OVC Commissioner Honor Roll and almost 200 student-athletes posted a 3.0 grade point average or higher during the last academic year. The JSU athletic department posted a cumulative grade point average of over 3.10, with 15 sports at a 3.0 or higher.

JSU also won the OVC's most prestigious honor – the OVC Academic Achievement Banner for 2004. During that same year, Jacksonville State's student-athletes posted the highest graduation rate of any four-year institution in the State of Alabama.

Along with JSU's successful traditions come impressive notables, such as being the only school in the history of NCAA competition, on any level, to have national championships in football, basketball, and baseball. Only six other NCAA schools have won a national championship in basketball and football (Michigan, Michigan State, Ohio State, Florida, North Alabama, and Wittenberg).

JSU also has the distinction of having the first-ever female to play and score a point in a NCAA Division I football game. Kicker Ashley Martin connected on all three of her extra-point attempts, with her first coming at the 8:31 mark of the first quarter in the Cumberland game on August 30, 2001. In 2016, JSU became the first four-year college in Alabama to claim a Master's Champion, when former Gamecock Danny Willett won golf's most prestigious tournament.

THE INTERNATIONAL HOUSE PROGRAM

The International House program is a cultural exchange program with emphasis on cultural understanding. International students, for this program, are selected by the International House Scholarship Committee. International students in this program are considered JSU Global Ambassadors. These students must provide official transcripts or documents proving graduation from high school before they may enroll in classes. These documents must be mailed directly from the school to the Office of Admissions at JSU or must be placed in a sealed envelope from the school and presented unopened to the Office of Admissions.

International House students who wish to be considered degree-seeking from the beginning of their enrollment at JSU should, at the least, meet the admission requirements in the admission section of this catalog under International Student Admission.

Each year 40 undergraduate students are accepted as members of this unique undertaking. Approximately one-half of the members are foreign students, and the remaining students are American. Members of the International House Program must be enrolled as full-time students in the university. All members reside at the International House. Each foreign student has an American student for a roommate. There are no special fees charged for participation.

In addition to the academic pursuits, members take part in a series of forums, seminars and social events designed to provide opportunities for information, understanding and appreciation of the cultures represented. Students also appear before many school, church, community and civic organizations to share the details of their cultures, as well as impressions of Alabama and the United States.

The program places special emphasis on:

- a. Knowledge of the cultures of countries of the world.
- b. Understanding and appreciation of different cultural values and systems.

c. Coordinating the activities of the students, American and foreign, into the total academic and social life of the University and community.

d. Providing opportunities for dialogue and discussion among the members concerning topics related to the political, social, economic, spiritual and human relations aspects of the countries represented.

Persons interested in applying for membership are encouraged to call (256) 782-5303; email ckhadka@jsu.edu or write: Director, International House Program, Jacksonville State University, 700 Pelham Road North, Jacksonville, AL 36265.

INTERNATIONAL PROGRAMS

The Office of International Programs provides support to international and American students. Services are provided to international students who attend or plan on attending the university. These services include: assistance in making the adjustment to life in the United States; orientation to the university and the JSU community; proper maintenance and renewal of student immigration status; and promotion of opportunities available to experience and enjoy American culture and the unique traits of JSU.

This office provides support to JSU students who want to study abroad and faculty seeking research or exchange programs. Students interested in studying abroad are given information on opportunities and assistance in their study plans. University faculty interested in participating in exchange programs are also provided with information and assistance by this office. During their stay on the JSU campus, visiting faculty from universities abroad are provided with support.

International activities at the university are also supported through this office, including the oversight of international content in the curriculum. Cultural activities, student organizations, and student activities with international relevance are also under the guidance of this office.

International enrollment planning and actions, including university partnerships and agent partnerships, are managed through the office of International Programs.

Persons wishing additional information about the Office of International Programs are encouraged to call (256) 782-5674, or visit the office on the second floor of the International House.

THE ENGLISH LANGUAGE INSTITUTE

The English Language Institute (ELI) prepares future undergraduate and graduate students whose first language is not English to meet JSU's admission requirements and go on to succeed academically. The intensive English as a Second Language (ESL) curriculum covers the four skills of listening, speaking, reading, and writing, and includes extensive practice in academic composition and presentation. Along with language study, the special ELI course "Intro to JSU" introduces students to our campus through visits to academic departments and classes, participation in campus activities and sports events, and meeting regularly with American "conversation partners." And beyond campus, students learn more about American culture through trips to museums, regional businesses, and other places of interest in the greater community. In addition, ELI promotes and delivers ESL programs for international educators. Learn more about ELI at www.jsu.edu/eli.

SUMMARY OF DEGREES AND GENERAL STUDIES REQUIREMENTS

Jacksonville State University offers seven undergraduate degrees: Bachelor of Science in Education, Bachelor of Science, Bachelor of Arts, Bachelor of Fine Arts, Bachelor of Social Work, Bachelor of Science in Nursing, and Bachelor of Science in Respiratory Therapy. Students may be awarded multiple majors within a degree. Students seeking to earn additional bachelor's degrees must complete a minimum of 32 semester hours in residence over and above the previously earned bachelor's degree and must meet all academic requirements for the degree sought as stipulated in the undergraduate catalog at the time of enrollment in the additional degree program. The student must submit an updated application form to the appropriate dean's office for approval in advance. Students may not be awarded multiple degrees in the same graduation exercise. The following summary of general studies requirements must be included in all undergraduate degrees. These represent minimum requirements. Specific degree programs and majors may have additional requirements.

GENERAL STUDIES CURRICULUM (60-64 SEMESTER HOURS)

Area I-Written Composition (6 semester hours)

Course Number	Course Title
EH 101	English Composition I
EH 102	English Composition II
EH 103	Honors English Composition I
EH 104	Honors English Composition II

Area II-Humanities and Fine Arts (12 semester hours)

Major departments specify which courses are required. As part of the general studies curriculum, students must complete a six-semester hour sequence in either literature or history.

Course Number	Course Title
ART 202	Art Appreciation
DR 242	Introduction to Theatre
EH 141	Oral Communication
EH 201	American Literature I
EH 202	American Literature II
EH 203	Survey of English Literature I
EH 204	Survey of English Literature II
EH 219	Honors Literature I
EH 220	Honors Literature II
EH 231	World Literature I
EH 232	World Literature II
FH 101	Beginner's French I
FH 102	Beginner's French II
FH 201	Intermediate French I
FH 202	Intermediate French II
GN 101	Beginner's German I
GN 102	Beginner's German II
GN 201	Intermediate German I
GN 202	Intermediate German II
MU 233	Introduction to Music
SH 101	Beginner's Spanish I
SH 102	Beginner's Spanish II
SH 201	Intermediate Spanish I
SH 202	Intermediate Spanish II

Area III-Natural Sciences and Mathematics (11 semester hours)

Major departments specify which courses are required. Students must complete at least three semester hours in mathematics as required by major and at least eight semester hours in the natural sciences, which must include laboratory experiences.

Course Number	Course Title
BY 101 and 103	Introductory Biology I and Lab
BY 102 and 104	Introductory Biology II and Lab
CY 105 and 107	General Chemistry I and Lab
CY 106 and 108	General Chemistry II and Lab
CY 115	Concepts of General Chemistry I
CY 116	Concepts of General Chemistry II
GL 241 and 243	Physical Geology and Lab

GL 242 and 244	Historical Geology and Lab
GY 250 and 252	Physical Geography I and Lab
GY 251 and 253	Physical Geography II and Lab
MS 110	Finite Mathematics
MS 112	Precalculus Algebra
MS 113	Precalculus Trigonometry
MS 115	Precalculus Algebra and Trigonometry
MS 120	Calculus and Its Applications
MS 125	Calculus I
MS 126	Calculus II
MS 227	Calculus III
PHS 201 and 203	College Physics I and Lab
PHS 202 and 204	College Physics II and Lab
PHS 211 and 213	Physics for Scientists and Engineers I and Lab
PHS 212 and 214	Physics for Scientists and Engineers II and Lab

Area IV-History, Social, and Behavioral Sciences (12 semester hours)

Major departments specify which courses are required. (As part of the general studies curriculum, students must complete a six-hour sequence either in literature or history.)

Course Number	Course Title
AN 224	Introduction to Anthropology
EC 221	Principles of Microeconomics
EC 222	Principles of Macroeconomics
GY 120	World Regional Geography
GY 220	Human Geography
HY 101	Western Civilization I
HY 102	Western Civilization II
HY 201	American History I
HY 202	American History II
PSC 100	Introduction to American Government
PSY 201	Principles of Psychology
PSY 222	Human Development
SY 221	Introduction to Sociology

Area V-Pre-Professional, Major and Elective Courses (19-23 semester hours)

Major departments specify required courses and/or electives.

MAJOR/MINOR REQUIREMENTS/ELECTIVES: Minimum 60-64 hours

TOTAL: Minimum 120-132 hours

Students are encouraged to incorporate internships and practical field experiences in their degree plans. These field experiences may or may not be credit-bearing, but are considered integral to the learning process. Students should consult their academic advisors for prior approval and guidance.

BACHELOR OF ARTS

Majors for the Bachelor of Arts (B.A.) degrees may be selected from any field in which majors are offered, with the exceptions of physical education, computer science, computer information systems, family and consumer sciences, criminal justice, accounting, management, marketing, mathematics, finance, education, social work, chemistry, emergency management, geography, psychology and teaching fields. Minors may be selected from any fields in which minors are offered. Students may not take as a second (double) major a subject not permitted as a major in this degree.

BACHELOR OF FINE ARTS

The requirements for the Bachelor of Fine Arts (B.F.A.) are listed under the Department of Art.

BACHELOR OF SCIENCE

The requirements for the Bachelor of Science (B.S.) degree are the same as those for the Bachelor of Arts degree, with the following exceptions:

1. Where the degree is chemistry and the minor is biology or mathematics, a foreign language is highly recommended. However, the taking of a foreign language is encouraged in all programs.
2. Majors for the B.S. degree may be selected from the following fields: finance, biology, economics, family and consumer sciences, sports management and recreation studies, exercise science and wellness, management, marketing, accounting, computer science, computer information systems, chemistry, emergency management, mathematics, geography, sociology, psychology, criminal justice, forensic investigation, occupational safety and health management, applied manufacturing engineering, industrial leadership, and applied electronics engineering.

Students may not take as a second (double) major a subject not permitted as a major in this degree.

BACHELOR OF SOCIAL WORK

The requirements for the Bachelor of Social Work (B.S.W.) degree are listed under the Department of Sociology and Social Work. Specific general studies requirements and social work requirements are detailed. Double majors are not allowed in the B.S.W. degree.

BACHELOR OF SCIENCE IN EDUCATION

The requirements for various degrees in education vary considerably. See the section entitled School of Education for the requirements of degrees in early childhood education, elementary education, family and consumer science education, secondary education, physical education and collaborative education. Information regarding teaching fields may be found under the respective department or school.

BACHELOR OF SCIENCE IN NURSING

The requirements for the Bachelor of Science in Nursing (B.S.N.) are listed in the section entitled Department of Nursing and Respiratory Therapy. Programs of study are listed for both general students and licensed registered nurses seeking degree completion.

BACHELOR OF SCIENCE IN RESPIRATORY THERAPY

The requirements for the Bachelor of Science in Respiratory Therapy (B.S.R.T.) are listed in the section entitled Department of Nursing and Respiratory Therapy. Programs of study are listed for both general students and practicing respiratory therapists seeking degree completion.

PRE-ENGINEERING

Students entering pre-engineering will consult their engineering advisor and the program outlined under the Department of Applied Engineering.

PRE-HEALTH PROFESSIONS

Jacksonville State University provides the necessary academic experience for students who plan to seek admission to a health professional school in medicine, dentistry, optometry, physical therapy, pharmacy, veterinary medicine, physician assistant, etc. In most instances, students are expected to have completed a four-year program of study leading to a baccalaureate degree. While a specific major is not required for the health professions, most students who successfully matriculate in a health professional school, including medical school, have elected a major in biology or chemistry.

Admission to a health professional school will require successful performance on the appropriate entrance examination (the MCAT, DAT, VAT, OAT, etc.), a GPA of 3.2 or higher that has been achieved through a rigorous program of study, and a successful personal interview. These achievements are usually preceded by a serious dedication to academic studies and a high degree of competitiveness achieved through activities that demonstrate critical thinking and problem-solving skills, such as undergraduate research.

Students must be well prepared prior to seeking admission; in general, this means a basic working knowledge of biology (17 semester hours or more), chemistry (16 semester hours or more), and often physics (eight semester hours or more). Advanced course work in biology and/or chemistry is highly recommended. Admission requirements to specific schools and programs vary; therefore, students considering health profession careers must seek advice from one of the **pre-health professional advisors** very early in the course of study. Students should plan individual academic programs carefully, taking the specific courses required for admission to the health professional schools and programs to which they plan to apply. To ensure a successful and positive academic experience, students should work closely with the pre-health professional advisors. For this purpose, Jacksonville State University maintains a Health Careers Office in the Department of Biology.

PRE-LAW INFORMATION

There is no single prescribed course of study which pre-law students must follow in order to gain admission to law school. Law schools prefer applicants from a variety of backgrounds, so there is no designated pre-law major, minor, or concentration. However, we do suggest courses which allow students the opportunity to develop their verbal and writing skills and which foster critical and analytical thinking. Students should take challenging courses in various disciplines in order to better prepare for law school.

In addition to having an undergraduate degree, pre-law students are required to take the Law School Admission Test (LSAT) prior to entering an ABA accredited law school. This should be done late in the student's junior year or early in the student's senior year. Information regarding the law school admission process may be obtained from the Law School Admission Council at www.LSAC.org. Additional information regarding pre-law may be obtained from the Director of Academic Services, School of Arts and Humanities, located in 107 Martin Hall. A detailed web page is maintained by the Office of Academic Services that includes information related to frequently asked questions, available resources, suggested time line for preparing for and applying to law school, and employment options. The Office of Academic Services also administers a free, practice LSAT at least twice a semester for students from all majors. Visit the web page at <http://www.jsu.edu/prelaw> for the most current information related to the law school application and admission process or call us at (256) 782-8335.

HONORS PROGRAM

In keeping with the university's mission of serving the academic needs of a diverse student population, the Honors Program provides academically gifted students with the opportunity to develop fully their intellectual potential. The

Honors Program provides an enriched educational experience by fostering a strong grounding in the liberal arts and sciences, small classes, interaction with other outstanding and motivated students, instruction from some of JSU's most innovative and engaging faculty, special activities, and special recognition for students successfully completing 24 hours or more of Honors courses. May 1 is the priority deadline for entering freshmen applying to the Honors Program, but the Honors Program accepts applications year round. The application and guidelines are available at <http://www.jsu.edu/honors-program> or by calling (256) 782-5696.

JSU offers Honors courses which fulfill many freshman and sophomore course requirements, as well as junior and senior "Honors by Contract" opportunities in most majors. Incoming students are invited to apply for admission to the Honors Program based on ACT or SAT test scores. Since test scores may not always provide a complete picture of ability, students may also apply to the Honors Program following the completion of their first semester at JSU if they earned a GPA of 3.50 or higher. Effective with the freshman class of Fall 2016, students must be members of the Honors Program in order to enroll in Honors classes.

For further information, contact the Director of the Honors Program, Honors House, Jacksonville State University, 700 Pelham Road North, Jacksonville, AL 36265-1602; view the Honors Program website at <http://www.jsu.edu/honors-program>; or email honors@jsu.edu.

SCHOOL OF ARTS AND HUMANITIES

Dean: Staci Stone

MISSION

The School of Arts and Humanities offers courses in humanities and arts to support the university's general studies curriculum and educational programs, as well as traditional liberal arts, professional, and graduate programs of study leading to baccalaureate degrees and master's degrees. The school gives highest priority to the quality of teaching delivered by its diverse and highly qualified faculty, while recognizing and promoting scholarly efforts, creative endeavors, and service, internal and external to Jacksonville State University. Using available resources, the school strives continuously for academic excellence, while keeping in mind the needs of its students.

REQUIREMENTS FOR THE SCHOOL OF ARTS AND HUMANITIES

Benchmarks for Success

All new Arts and Humanities majors must meet the Benchmarks-for-Success standard. A new student entering the university in Arts and Humanities is defined as a freshman, transfer student, or a change of major from another school to Arts and Humanities.

Prior to enrollment in any upper-level (300+) coursework beyond 80 semester hours, the student must meet the following criteria:

1. A minimum overall 2.00 GPA for the first 80 semester hours must be achieved;
2. English 101 and 102, or official transfer equivalents, must be successfully completed by 80 semester hours;
3. The English Competency Exam (ECE) must be attempted by 80 semester hours; failure to complete successfully the ECE by 96 semester hours voids the student's admission into the school, and no further upper-level coursework may be taken for credit towards an Arts and Humanities program; and
4. All math requirements for the degree program must be successfully completed by 80 semester hours.

Upon completion of the benchmarks by 80 semester hours, and following department review and approval, students will be provisionally assessed to enter a degree program in the School of Arts and Humanities. Full assessment into the degree program is contingent upon completion of all requirements.

Transfer students entering with 80 or more hours who have not completed the required benchmark coursework must enroll in these courses in the first semester of study at Jacksonville State University and subsequently until all benchmark deficiencies are removed. Additionally, transfer students with 80 or more hours must register for and take the English Competency Exam in the first semester of eligibility.

BACHELOR OF ARTS WITH A MAJOR IN INTEGRATED STUDIES

(formerly Liberal Studies)

Jacksonville State University offers a Bachelor of Arts with a major in integrated studies. This degree program meets academic needs not ordinarily available in other degree programs of the university. A Bachelor of Arts with a major in integrated studies requires a total of 120 semester hours, of which 36 hours must be at the 300 or 400 level. A minimum of 30 hours must be completed in residence at JSU. All academic regulations of the university must be met. For additional information, including approved courses, see the integrated studies advisor, Department of History, Stone Center, or email IntegratedStudies@jsu.edu (formerly LiberalStudies@jsu.edu).

Integrated Studies Minor:

The integrated studies minor offers knowledge and skills prized in many careers. This practical "toolbox" minor complements a variety of JSU majors.

The 24-hour minor requires completion of 15 hours of required courses: EH 141, Oral Communication; MS 204, Basic Statistics; MGT 301, Principles of Management, or MKT 301, Principles of Marketing; MGT 330, Entrepreneurship; and CS 201, Introduction to Information Technology, plus nine hours from a list of approved electives. Approved electives include ACC 200, Principles of Accounting I; EH 322, Technical Writing; EM 301, Introduction to Emergency Management; and CS 315, Introduction to Web Design. From MGT 301 or MKT 301, students may use the one not taken as a required course as an approved elective. With advisor approval, some flexibility in elective coursework is allowed. For more information, please email the integrated studies advisor at integratedstudies@jsu.edu or call the History Department at 256-782-5632.

PLAN OF STUDY

BACHELOR OF ARTS

Total: 120 hours

General Education	44 hours
Electives (by advisement)	16 hours
English/History classes, or other classes approved by INS advisor, 300-400 level	15 hours
Individually Designed Curriculum and/or Experiential Learning, (By advisement)	42 hours*
18 hours of the 42 must be at the 300-400 level required	
Integrated Studies Capstone (INS 410) or other class approved by INS advisor	3 hours

36 hours must be 300 level or above

*Up to 30 hours of the individually designed curriculum may be experiential credit, to be determined following a review of work-life experience and by advisement.

INTEGRATED STUDIES (INS)

COURSE DESCRIPTIONS

- 300. **Experiential Learning I (3-15).** *Prerequisite: Permission of integrated studies advisor; integrated studies majors only.* This highly individualized study is tailored to the student's personal career goals. Pass/Fail grade only.
- 302. **Internship (3-6).** *Prerequisites: Permission of integrated studies advisor; availability of placement; integrated studies majors or minors only.* The student will gain on-the-job experience in a field of interest. Pass/Fail grade only.
- 304. **Special Studies (3-6).** *Prerequisite: Permission of integrated studies advisor; integrated studies majors only.* An in-depth independent investigation of a topic or topics appropriate to the individual student's plan of study in the integrated studies major. Course may be repeated for credit up to a maximum of 6 hours.
- 400. **Experiential Learning II (3-15).** *Prerequisite: Permission of the integrated studies advisor; integrated studies majors only.* This highly individualized advanced study is tailored to the student's personal career goals. Pass/Fail grade only.
- 410. **Integrated Studies Capstone (3).** *Prerequisites: Permission of integrated studies advisor; senior standing; integrated studies majors only.* The capstone course in integrated studies includes a written report, an oral presentation in a symposium format, and participation in assessment activities. Recommended for integrated studies major; should be taken in the last semester.

DEPARTMENT OF ART

Accredited by the National Association of Schools of Art and Design

Member of College Art Association

HAMMOND HALL and CARLISLE FINE ARTS BUILDING

Department Head: J. Seth Johnson

Professor: Clark, Johnson, Runnells, Skinner

Associate Professor: Lafferty, McElroy

Assistant Professor: Anderson, Dunn, Miles, Oles, Springer

The Department of Art offers courses in studio art and art history. These courses are designed to increase the student's understanding of the visual arts, past and present, and to aid in the development of the student's creative abilities in the visual arts. The purpose of the department is to develop the professional artist and to offer courses for self-enrichment for the general student. Students majoring in art may select a degree program leading to the Bachelor of Arts degree or a Bachelor of Fine Arts degree with a studio concentration. Studio areas are offered in painting, drawing, printmaking, ceramics, photography, and graphic design.

The Bachelor of Fine Arts (BFA) degree is a professional 122-hour advanced undergraduate curriculum. The 81-hour major includes 24 hours of art foundation courses, nine hours of 300/400 level art history courses, 18 hours of studio concentration courses, 27 hours of studio electives in at least two other studio areas, and ART 488. A foreign language is recommended to fulfill the fine arts requirement in the general studies curriculum.

For eligibility to the BFA program, a student must meet the following requirements: complete ART 111 or 112, 134, 233, 234, 240, and at least one course in the concentration area; complete 12 hours of general studies curriculum; and have a minimum 2.50 GPA overall and a minimum 3.00 GPA in the major. All potential candidates for the BFA program must present a portfolio and pass portfolio review by the Art Department faculty for approval. All students eligible for the program will be reviewed for retention in the program. Please refer to the Bachelor of Fine Arts Plan of Study for all general studies and Art Department course requirements.

The Bachelor of Arts (BA) degree is a flexible 120-hour program which includes the general studies curriculum, the required art major courses, and a minor. The major requires 54 hours, including ART 111, 112, 134, 233, 234, 240, and 499, six hours of upper level art history, and 27 hours of 300/400 level studio courses. The student may choose any minor offered at JSU.

After completion of ART 111 or 112, 134, 233, 234, and 240, students must present a portfolio and pass portfolio review by the Art Department faculty. Students must have a minimum 2.00 GPA overall and a minimum 2.50 GPA in the major. Please refer to the Bachelor of Arts in the Art Plan of Study for all general studies and Art Department course requirements.

All art majors are required to seek advisement each semester from the department head or faculty advisor and become familiar with the general and specific requirements for the degree which they are seeking. Students majoring in art are required to present a portfolio for faculty review by the end of their sophomore year. In addition, all art majors are required to have completed and passed ART 134, 233, 234, 240, and the portfolio review before enrolling in 400-level studio classes. Students must earn a "C" or better in each of the major and minor courses taken. All majors will participate in a senior exhibition of upper class studio work prior to graduation. The Department of Art reserves the right to select class projects for a permanent collection.

A MINOR IN ART consists of 21 hours of approved art courses, which include ART 134, 233, 234, 240, three hours in art history (202 recommended), and six hours of studio courses numbered 300 and above.

A MINOR IN ART HISTORY consists of 18 hours of 300-400 level classes from courses offered in art history by the Art Department. Students are encouraged to take Western Civilization and gain some experience with a foreign language. Students who wish to pursue a minor in art history should consult with the department head or art historian.

A MINOR IN PHOTOGRAPHY consists of 21 hours of approved art courses, which include ART 242, 368, 369 or 470, 469 and nine hours of studio courses in photography numbered 300 and above. Students who wish to pursue a minor in photography should consult with the department head or a photography professor. This minor is not available to students majoring in Art.

DEGREE REQUIREMENTS

The Bachelor of Arts degree offered by the Department of Art requires an overall minimum of 120 semester hours comprised of the following sub-requirements: a minimum of 12 hours of 300/400 level courses at JSU in the major, a minimum of six hours of 300/400 level courses in the minor at JSU, 41 hours of general studies courses, 19 hours of support courses, and a minimum of 36 hours of 300/400 level courses, which include those required in the major and minor. Students must earn a minimum of 2.00 GPA overall and at JSU, 2.50 in the major, and a "C" or better in each of the major and minor courses to graduate.

PLAN OF STUDY BACHELOR OF ARTS TOTAL CREDIT HOURS – 120

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations.

FRESHMAN YEAR

Fall	Spring
EH 1013	EH 1023
Natural Science.....4	Natural Science4
Soc./Behavioral S.....3	Math 110 or higher3
ART 1343	ART 2343
ART 2333	ART 2403
STU 101.....0	
16	16

SOPHOMORE YEAR

Fall	Spring
Literature sequence3	Literature sequence3
History3	Fine Arts..... 3
Studio.....3	ART History 112 3
ART History 1113	Studio3
Minor/Electives3	Minor/Electives3
15	15

****Complete ECE, Math, and Portfolio Review****

Student must have a minimum 2.00 GPA overall and a minimum 2.50 GPA in the major.

JUNIOR YEAR

Fall		Spring	
Soc./Behavioral S	3	Studio	3
Humanities	3	Soc./Behavioral S.	3
ART History 300+	3	ART History 300+	3
Studio.....	3	Studio	3
Studio.....	3	Minor/Electives.....	3
	<hr/>		<hr/>
	15		15

SENIOR YEAR

Fall		Spring	
Minor/Electives	4	Minor/Electives.....	3
Minor/Electives	3	ART 499 Senior Seminar	3
Studio.....	3	Studio	3
Studio.....	3	Minor/Electives.....	3
Minor/Electives	3		
	<hr/>		<hr/>
	16		12

The Bachelor of Fine Arts degree offered by the Department of Art requires an overall minimum of 122 semester hours comprised of the following sub-requirements: a minimum of 12 hours of 300/400 level courses at JSU in the major, 41 hours of general studies courses, and a minimum of 36 hours of 300/400 level courses, which include those required in the major. Students must earn a minimum 2.50 GPA overall and at JSU, 3.00 GPA in the major, and a "C" or better in each of his/her major courses to graduate.

PLAN OF STUDY

**BACHELOR OF FINE ARTS
TOTAL CREDIT HOURS - 122**

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations.

FRESHMAN YEAR

Fall		Spring	
EH 101.....	3	EH 102	3
Natural Science.....	4	Natural Science	4
Soc./Behavioral S.....	3	Math 110 or higher	3
ART 134	3	ART 234.....	3
ART 233	3	ART 240.....	3
STU 101.....	0		
	<hr/>		<hr/>
	16		16

SOPHOMORE YEAR

Fall		Spring	
Literature sequence	3	Literature sequence	3
History	3	Studio	3
Studio.....	3	ART History 112	3
ART History 111	3	Studio (ART 335).....	3
Studio (ART 340).....	3	Studio	3
	<hr/>		<hr/>
	15		15

****Complete ECE, Math, and Portfolio Review****

Student must have a minimum 2.50 GPA overall and a minimum 3.00 GPA in the major.

JUNIOR YEAR

Fall	Spring
Soc/Behavioral S.....3	HY/Social/Behavioral S.....3
Humanities/Fine Arts3	ART History 300+ 3
ART History 300+3	Studio3
Studio.....3	Studio3
Studio.....3	Studio3
Studio.....3	
18	15

SENIOR YEAR

Fall	Spring
Humanities/Fine Arts.....3	ART 488 Senior Seminar3
ART History 300+3	Studio 3
Studio3	Studio 3
Studio.....3	Studio 3
Studio.....3	
15	12

ART (ART) COURSE DESCRIPTIONS

- 111. **Survey of Western Art I (3).** A study of the major visual arts from the Prehistoric Period to the Middle Ages.
- 112. **Survey of Western Art II (3).** A study of the major visual arts from the Renaissance to the Contemporary World.
- 134. **Drawing I (3).** Practice in different basic drawing techniques and media.
- 202. **Art Appreciation (3).** Exploration of art forms of the past and present for understanding of purpose, meaning, and nature of art. Awareness, appreciation, and visual enjoyment of art are stressed.
- 203. **Honors Art Appreciation (3).** *Substitutes for ART 202.* Advanced individualized exploration of art forms of the past and present for understanding of purpose, meaning, and nature of art. Awareness, appreciation, and visual enjoyment of art are stressed.
- 233. **Design I (3).** Two dimensional projects related to design principles, theories, and techniques.
- 234. **Drawing II (3).** *Prerequisite: ART 134.* Concentration upon the refinement of technical proficiency with emphasis on the expressive potential of drawing media.
- 240. **Design II (3).** *Prerequisites: ART 134 and 233.* Advanced problems in two-dimensional and three-dimensional design, theories, and techniques.
- 242. **Digital Literacy for Artists and Designers (3).** Introduction to basic computer hardware and software skills for artists and designers with an emphasis on the Adobe Creative Suite. Students will learn to document and format their work for dissemination, as well as explore various media and modes for artist/designer self-promotions.
- 303. **Beginning Painting (3).** *Prerequisites: ART 134 and 233.* Introduction to formal and technical problems of painting with an emphasis on fundamental concepts and practices.
- 305. **Special Topics in Painting (3).** *Prerequisite: ART 303 and/or permission of instructor.* An in-depth, independent investigation of topics and techniques in the field of painting, such as advanced painting from the figure, painting on location, experimental media and materials research, etc. This course may be repeated for credit up to a maximum of nine hours.
- 309. **Ceramics I: Hand building (3).** Exploration of a variety of hand building techniques and basic glazing methods to produce functional and decorative ceramics.
- 312. **Special Topics in Ceramics (3).** *Prerequisite: ART 309 and/or permission of instructor.* An in-depth, independent investigation of topics and techniques in the field of ceramics, such as glaze formation, figurative ceramics and alternative firing processes, etc. This course may be repeated for credit up to a maximum of nine hours.
- 319. **Beginning Sculpture (3).** *Prerequisites: ART 134 and 240.* Introduction to three-dimensional design problems and sculpture media.
- 335. **Figure Drawing (3).** *Prerequisites: ART 134 and 234.* Concentration on rendering the human form.
- 338. **Special Topics in Drawing (3).** *Prerequisite: ART 336 and/or permission of instructor.* An in-depth, independent investigation of topics and techniques in the field of drawing, such as advanced drawing from the figure, drawing on location, experimental media and/or contemporary concepts and practices in drawing, etc. This course may be repeated for credit up to a maximum of nine hours.

339. **Digital Illustration (3).** *Prerequisites: ART 242 and 335.* This course investigates the advantages and application of digital technology available to the illustrator.
340. **Design III (3).** *Prerequisites: ART 233 and 240.* Study of color theories and their application to design.
342. **Graphic Design I (3).** *Prerequisites: ART 134 and 233.* Introduction to typography. The history of writing and type. Projects emphasize spatial problems and communicative value of type, with digital page layout problems.
343. **Graphic Design II (3).** *Prerequisite: ART 342.* Examination of the role of the graphic designer. Fundamentals of visual communication and letter form, with problems focusing on project research, design process, and unity of type and image.
344. **Drawing Studio (3).** *Prerequisites: ART 134 and 234.* Comprehensive study of creative drawing, emphasizing material, imagery, and concept.
345. **Intermediate Drawing Studio (3).** *Prerequisite: ART 344.* Creative drawing emphasizing aesthetic and conceptual concerns in thematic development.
350. **Screen Printing (3).** *Prerequisite: ART 343.* This course will introduce the student to concepts, techniques, processes and materials used to produce poster designs, fine art prints, packaging and books using screen printing.
352. **Type in Motion (3).** *Prerequisite: ART 342.* Introduction to kinetic typographic design concepts and digital software applications used to create kinetic typography.
362. **Printmaking: Intaglio (3).** *Prerequisites: ART 134 and 233.* Fundamentals of printmaking. Studio work in intaglio (etching) techniques. (Formerly Printmaking I)
365. **Special Topics in Printmaking (3).** *Prerequisite: ART 362 and/or permission of instructor.* An in-depth, independent investigation of topics and techniques in the field of printmaking, such as relief, letterpress, intaglio, lithography, screenprinting, monotype, collagraph, digital printmaking, and experimental media. This course may be repeated for credit up to a maximum of nine hours.
368. **Introduction to Photography (3).** Introduction to basic digital photography and image processing techniques with emphasis on the aesthetic qualities of photography.
369. **Black and White Photography (3).** *Prerequisite: ART 368.* Introduction to basic black and white film photography and darkroom techniques with emphasis on aesthetic qualities of photography.
374. **19th Century Art History (3).** *Prerequisites: EH 101, 102 and ART 111, 112.* Painting, drawing, and printmaking in the nineteenth century are studied through slide lectures. Offered alternate semesters.
385. **Modern Art to 1945 (3).** *Prerequisites: EH 101, 102 and ART 111, 112 or equivalent.* A study of the major visual arts from the end of the nineteenth century to 1945.
386. **Modern Art Since 1945 (3).** *Prerequisites: EH 101, 102 and ART 111, 112.* This course is designed to investigate the history of art from 1945 to the present.
389. **American Art and the Old South (3).** *Prerequisites: EH 101, 102 and ART 111, 112 or equivalent.* A survey of American art history with emphasis on the traditions of the South.
390. **Photoshop Tools (3).** Introductory level course that explores the practical principles of processing and editing digital photographs using Adobe Photoshop.
391. **Watercolor (3).** *Prerequisites: ART 134 and 233.* Watercolor painting for beginning and intermediate students. Emphasis on developing individual attitudes toward the water color medium. This course may be repeated for credit up to a maximum of nine hours.
394. **Non-Western Art (3).** *Prerequisites: EH 101, 102 and ART 111, 112 or equivalent.* This course will investigate a series of non-western cultures through their art and architecture. (Formerly Primitive and Non-Western Art).
399. **Study Tour (3).** Topics, excursions, and requirements determined by department. May be duplicated for credit; however, only three (3) credits may be applied toward any major or minor. Infrequently scheduled and subject to minimum and maximum numbers. Advance deposit required.
403. **Painting II (3).** *Prerequisites: ART 234, 240 and 303.* Advanced work in painting with an emphasis on creative expression and a further development of basic concepts and fundamentals.
404. **Painting III (3).** *Prerequisite: ART 403.* Advanced work in painting with an emphasis on creative expression and a further development of basic concepts and fundamentals.
405. **Advanced Painting IV (3).** *Prerequisite: ART 404.* The study of advanced comprehensive approaches to current painting. The emphasis will be on the development of the individual student's originality in problem solving.
407. **Mixed Media (3).** *Prerequisites: ART 134, 233, 234 and 240.* Using traditional as well as non-traditional materials, students are encouraged to explore the boundaries between drawing, painting, and sculpture. Research, artistic process, visual documentation, artist as narrator, practical issues, personal concepts, metaphor, and appropriation will play a role in completion of successful works of art. This course may be repeated for credit up to a maximum of nine hours.
409. **Ceramics II: Intro to Wheel Throwing (3).** Exploration of techniques based on the potter's wheel and the production of functional pottery. Investigation of the fundamentals of making glazes and loading and firing kilns.

410. **Ceramics III (3).** *Prerequisite: ART 409.* Further advanced problems in ceramics.
413. **Advanced Ceramics IV (3).** *Prerequisite: ART 410.* The study of advanced aesthetic and technical skills in ceramics. The emphasis will be on the student's individual approach and originality.
419. **Sculpture II (3).** *Prerequisite: ART 319.* Advanced work in sculpture with emphasis on dynamic spatial form.
420. **Sculpture III (3).** *Prerequisite: ART 419.* Advanced work in sculpture.
430. **Graphic Design III (3).** *Prerequisite: ART 343.* Development of design process and methodology. Visual systems, sequencing, and series. Applied projects include identity systems and brochure design. Illustration/vector art software.
431. **Advanced Graphic Design IV (3).** *Prerequisite: ART 430.* Information design, package design, and advanced type and image problems. Image manipulation software.
432. **Introduction to Letterform Design (3).** *Prerequisites: ART 330 or 429.* Introduction to the design of letterforms with emphasis on tradition and aesthetics. Letterforms developed from drawing through to digitization.
434. **Graphic Design Workshop (3).** *Prerequisite: ART 343 or permission of instructor.* Introduction to the professional practice of graphic design from the initial contact with the client, through the design process, to the practical aspects of production. This course may be repeated for credit up to a maximum of nine (9) hours.
442. **Interactive Design I (3).** *Prerequisite: ART 342 or permission of instructor.* Introduction to contemporary concepts and methods of interface design for interactive digital media. Equal emphasis on functional, technical, and aesthetic principles.
443. **Interactive Design II (3).** *Prerequisite: ART 442 or permission of instructor.* Intermediate principles of interactive design for digital media. Continuation of principles covered in ART 442 with emphasis on technical development of interactive content.
445. **Advanced Drawing Studio (3).** *Prerequisite: ART 345.* Creative drawing based on studio production from concept to finished series. This course may be repeated up to a maximum of nine hours.
450. **Art Theory (3).** *Prerequisite: 3 hours of 300 level art history.* An investigation of the theoretical background associated with artistic production.
462. **Printmaking: Relief (3).** *Prerequisites: ART 134 and 233.* Fundamentals of printmaking. Studio work in relief techniques. (Formerly Printmaking II).
463. **Printmaking III (3).** *Prerequisite: ART 462.* Advanced problems in printmaking.
464. **Advanced Printmaking IV (3).** *Prerequisite: ART 463.* Advanced problems in printmaking utilizing traditional and experimental techniques. The emphasis will be on developing the student's individual approach.
467. **Photography in the Field (3).** *Prerequisites: ART 368 and permission of instructor.* Introduction to photographing on location. Emphasis will be on exploring the technical concerns and aesthetic possibilities of location photography. This course may be repeated for credit up to a maximum of nine hours.
469. **Intermediate Digital Photography (3).** *Prerequisite: ART 368.* Explores color and advanced black and white digital photography, building on skills and ideas learned in Introduction to Photography, with emphasis on the technical and aesthetic aspects of photography.
470. **Alternative Processes in Photography (3).** *Prerequisite: ART 368.* Advanced use of historical photographic processes and darkroom photography as fine art. Emphasis is on the use of advanced techniques and on personal expression. This course may be repeated for credit up to a maximum of nine hours.
471. **Advanced Photography (3).** *Prerequisites: ART 368, 369, and 469.* The study of advanced aesthetic and technical skills in black and white, color, and other photographic mediums. The emphasis will be on individual originality and creative expression. This course may be repeated for credit up to a maximum of nine hours.
472. **Basic Digital Photography (3).** *Prerequisites: ART 134, 233, 369, and ART 469 or 470.* This course will explore the primary manner in which digital and/or digitized images are different from traditional silver based photographic materials. Emphasis will be on both technical and aesthetic aspects of photography.
473. **Special Topics in Photography (3).** *Prerequisites: ART 368 and permission of instructor.* Advanced work in photography and digital imaging. Topics will rotate and include such areas as social and documentary photography, exploratory media, and advanced technical areas of study. This course may be repeated for credit up to a maximum of 12 hours.
475. **Studio Lighting (3).** *Prerequisite: ART 469.* This class explores light control for still photography and video in the studio and on location. Students will use professional grade continuous light sources and strobes along with natural light to explore the creative possibilities of designing with light.
476. **Video for Photographers. (3).** *Prerequisite: ART 469.* Explore practical skills and concepts from image capture to editing that will allow you to adapt your photography skills to video production and time-based design.
479. **Independent Study in Art History (3).** *Prerequisite: Permission of instructor and department head, 12 hours (300+) of art history.* Selected topics to be coordinated with instructor. This course may be repeated for credit up to a maximum of 12 hours.

- 481. Internship Graphic Design (3).** *Prerequisite: ART 430 or permission of instructor.* Students will receive on-the-job training and experience in an area of their specialization. This course may be repeated for credit up to a maximum of six hours.
- 484. Current New York Art Museum (3).** A study of New York art exhibitions and collections available in museums, such as the Metropolitan Museum of Art, the Museum of Modern Art, and local galleries. In addition, students visit Lincoln Center for the Performing Arts and attend four Broadway productions.
- 486. Internship in Museum Work (3).** *Prerequisite: 12 hours (300+) in art history.* Designed for students planning a career in museum work. Course includes history and organization of museums with work experience in a local museum. Recommended for art history minor.
- 488. BFA Seminar (3).** *Prerequisites: Acceptance in BFA program and senior standing.* Required for the BFA. Seminar includes a review of current literature, portfolio presentation, BFA exhibition, and senior paper.
- 490, 491, 492, 493, 494, 495, 496. Advanced Independent Study (3 each).** *Prerequisite: Completion of studio emphasis and permission of instructor and department head.* Intensive independent study for students within their studio emphasis, coordinated and approved by a faculty advisor. Each course may be repeated for credit, up to a maximum of 12 hours, with permission of department head.
- 499. BA Senior Seminar and Exhibit (3).** *Prerequisite: Senior standing.* Required of senior art majors and must be taken the semester of graduation. Seminar will cover the important aspects of planning and hanging an exhibit and the preparation of a portfolio and resume. The fruition of this course will be the Senior Exhibit.

DEPARTMENT OF DRAMA

Accredited by the National Association of Schools of Theatre

344 STONE CENTER

Department Head: Randal Blades

Professor: Clements

Associate Professor: Blades, Peck

Assistant Professor: Boynton, Colton, Luck

The mission of the Jacksonville State University Drama Department is to provide a strong liberal arts education while promoting respect for and appreciation of the art of theatre and film. Through an academically rigorous and supportive, creative environment, we cultivate critical thinking, analysis, and skills for artistic expression needed to build a career, while providing opportunities for higher level development within our students' chosen specialties. We also seek to produce a multifaceted, high quality, and challenging theatrical experience on our stage to enrich the university and surrounding communities.

The Department of Drama offers a Bachelor of Arts with a concentration in either performance or production and minors in drama or film and entertainment technology. The department also offers a certificate in film technology. All students majoring in drama must complete forty-five (45) hours of drama courses, including the core classes: DR 241, 242, 250 (2 hours), 280, 284, 349 (2 hours), 361, 362, 490; twelve (12) hours within their concentration and nine (9) hours of 300+ level drama electives. A Bachelor of Arts in drama requires a minimum of 120 semester hours.

Concentrations:

The performance concentration consists of twelve (12) hours in addition to the drama core classes and electives: DR 290, 441 and six (6) hours chosen from the following: DR 342, 343, 344, 354, 383, 485, or other approved performance electives.

The production concentration consists of twelve (12) hours in addition to the drama core classes and electives: DR 285 and nine (9) hours chosen from the following: DR 371, 377, 383, 385, 386, 387, 389, 398 or other approved production electives.

Drama Minor: The requirements for a minor in drama are twenty-four (24) hours of drama courses, which must include DR 241, 242, 250 (1 hour), 284, 349 (2 hours), 361, 362, and six (6) hours of drama electives numbered 300 or above.

Film and Entertainment Technology Minor: The requirements for a minor in film and entertainment technology are a minimum of twenty-four (24) hours, which must include DR 230, 231, 232, 235, 284, EH 409, and six (6) hours of electives chosen from DR 371, 372, 377, 378, 385, 386, 387, 389, 391, 398, 430, or 487. This minor is not available to drama majors.

Film Technology Certificate: The requirements for a certificate in film technology include the following fifteen (15) hours: DR 230, 231, 232, 235, and three hours of electives by advisement.

PLAN OF STUDY
BACHELOR OF ARTS
MAJOR: DRAMA – PERFORMANCE CONCENTRATION

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations.

FRESHMAN YEAR

Fall	Spring
EH Comp 1013	EH Comp 1023
HY 101 or 201 (sequence).....3	HY 102 or 202 (sequence)3
MS 110 or higher3	EH 141 Oral Communication.....3
DR 242 Intro to Theatre3	DR 284 Stage Crafts3
DR 241 Acting.....3	DR 250 Student’s Theatre1
STU 101.....0	DR 280 Play Analysis3
15	16

SOPHOMORE YEAR

Fall	Spring
Literature*3	Literature*3
Natural Science and lab4	Natural Science and lab4
PSY 201 Intro to Psychology.....3	CS 201 Intro to Info Tech3
DR 290 Speech for the Performer3	DR 250 Student’s Theatre1
Elective2	Performance Elective.....3
15	14

JUNIOR YEAR

Fall	Spring
DR 349 Theatre Practicum1	ART 202 or MU 2333
DR 361 Theatre History I3	DR 362 Theatre History II.....3
Social/Behavioral Science.....3	DR 441 Acting II.....3
Minor/Electives6	Minor6
DR 300+ Elective3	
16	15

SENIOR YEAR

Fall	Spring
DR 349 Theatre Practicum1	Minor 300+.....6
Performance 300+ Elective3	Drama 300+ Electives.....6
Minor6	Elective2
DR 490.....2	
Elective3	
15	14

TOTAL HOURS: 120: thirty-six hours must be 300+

*Must be a sequence
 *Select from EH 201, 202, 203, 204, 219, 220, 231, or 232

PLAN OF STUDY
BACHELOR OF ARTS
MAJOR: DRAMA – PRODUCTION CONCENTRATION

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations.

FRESHMAN YEAR

Fall	Spring
EH Comp 1013	EH Comp 1023
HY 101 or 201 (sequence).....3	HY 101 or 201 (sequence)3
MS 110 or higher3	EH 141 Oral Communication.....3
DR 242 Intro to Theatre3	CS 201 Intro to Info Tech3
DR 284 Stage Crafts 3	DR 280 Play Analysis3
STU 101.....0	DR 250 Student’s Theatre 1
15	16

SOPHOMORE YEAR

Fall	Spring
Literature*3	Literature*3
Natural Science and Lab4	Natural Science and Lab4
DR 241 Acting.....3	Social/Behavioral Science3
PSY 201 Intro to Psychology.....3	DR 250 Student’s Theatre 1
Elective2	General Elective3
15	14

JUNIOR YEAR

Fall	Spring
DR 285 Elements of Design3	ART 202 or MU 2333
DR 349 Theatre Practicum1	DR 362 Theatre History II.....3
DR 361 Theatre History.....3	Production 300+ Elective.....3
DR 300+ Elective3	Minor/Elective 300+3
Minor/Electives6	Minor/Electives4
16	15

SENIOR YEAR

Fall	Spring
DR 349 Theatre Practicum1	DR 490 Senior Practicum2
DR 300+ Elective3	DR 300+ Electives3
Production 300+ Elective3	Production 300+ Elective.....3
Minor/Electives8	Minor/Electives 300+.....6
15	14

TOTAL HOURS: 120; thirty-six hours must be 300+

* Select from EH 201, 202, 203, 204, 219, 220, 231, or 232

DRAMA (DR)
COURSE DESCRIPTIONS

- 230. Introduction to Filmmaking (3).** Study of the filmmaking process from concept to completion with special emphasis on the relationship between various jobs of the production team.
- 231. Film Technology Foundations I (3).** Introduction to film production and technical crew positions. Best practices and techniques in lighting, audio, grip and other production positions with an emphasis on recognized safety standards.
- 232. Film Technology Foundations II (3).** *Prerequisite: DR 231.* Advanced techniques in film production and technical work.

235. **Camera and Film Techniques (3).** *Prerequisite: DR 231.* Introduction to camera set up, operation, types and lenses. Basic film techniques, including composition, setting up shots, and introductory editing.
241. **Acting (3).** Focuses upon the actor's approach to developing a role through points of training, including improvisation, character and scene study, and analysis.
242. **Introduction to the Theatre (3).** The appreciation of theatre as an expressive art form and as a business. A general survey of acting, directing, designing, playwriting, and audience participation.
250. **Student's Theatre (1).** Active participation in the department's plays in the areas of scenery construction, painting, lighting, costumes, and make-up. This course is repeatable for a maximum of two (2) hours credit.
252. **Honors Introduction to the Theatre (3).** Advanced strategies for developing an appreciation for theatre as an art form.
280. **Play Analysis (3).** A study of analytical tools and critical approaches to theatrical texts for production, design and performance.
- 281, 381, 481. **Dramatic Laboratory (1) (1) (1).** Experiments in the basics of acting. Limit 1 hour credit per semester.
284. **Stage Crafts (3).** Introduction to physical theatres, scenery construction and painting, properties, lighting, and sound.
285. **Elements of Design (3).** An introduction to the principles and techniques of theatrical design.
290. **Speech for the Performing Arts (3).** A course designed to improve diction, pronunciation, accent, reading, and intonation.
331. **Techniques for High Definition Cinematography (3).** *Prerequisites: DR 231, 232 and 235.* Advanced lighting and electronic imagery control in high definition cinematography. Experiences with light meters and digital single-lens reflex cameras.
342. **Directing (3).** *Prerequisites: DR 241 and permission of instructor.* Fundamental principles of theatrical directing.
343. **Auditioning (2).** *Prerequisite: DR 241.* Exercises in preparing actors for auditions and portfolio review.
344. **Careers in Performance (3).** *Prerequisites: DR 241, 290 and 343.* An advanced acting course concentrating on the performance and business aspects of acting professionally.
345. **Portfolio Development for Theatre (2).** *Prerequisite: Permission of instructor.* Techniques for the development and presentation of a professional portfolio for theatrical designers, technicians and stage managers.
349. **Theatre Practicum (1).** Active participation in the department's plays in the areas of scenery construction, painting, lighting, costumes, make-up, management or performance. Production assignments arranged through drama faculty. May be repeated for credit up to a maximum of two (2) hours.
351. **Playwriting and Screenwriting (3).** *Prerequisite: DR 242.* Study of basic script and screenplay writing techniques and the development of skills for writing scripts and screenplays.
354. **Movement for the Stage (3).** The examination and application of the theories of stage movement and the metakinetic process. Emphasis placed on the imaginative and artistic use of the whole body in the development of acting roles, including stage combat.
- 361, 362. **Theatre History (3) (3).** Conditions under which the great plays of the world have been produced. Audience, actors, patrons, physical conditions, architecture, and the relation to the other arts. 1st semester: Antiquity to 1600. 2nd semester: 1600 to present.
- 371, 372. **Theatrical Design I and II (3) (3).** Principles and problems of staging in arena, thrust, proscenium, and flexible theatres. Designs for settings of plays in models and perspective rendering.
373. **Theatrical Drafting (3).** *Prerequisite: DR 371.* Development of scenic drafting techniques for production, including floor plans, elevations, sections and working drawings.
375. **Stage Management (2).** A practical study of stage management duties, responsibilities, procedures, and organization during auditions, rehearsals, production meetings, and performance.
- 377, 378. **Costume Design I and II (3) (3).** Exploration of basic design elements and fabrics and their culmination into stage costume: period, character, and stylized. (Offered in alternate years, Spring.)
383. **Puppetry (3).** Scope and development of puppetry throughout the world. Practical experience in creating and performing with puppets.
385. **Stage Carpentry (3).** A practical carpentry course that explores specialized wood-working and finishing techniques for the stage, including scenery, furniture, tools, and materials.
386. **Stage Lighting (3).** Principles and problems of lighting for mood and effect in play production.
387. **Stage Makeup (3).** Creation of straight, character, middle-age, old-age, beards, rubber prosthesis, and stylized makeup to aid the actor.
388. **Stage Costume History (3).** History of costume as to styles, period fabrics, construction, and movement for theatrical performance.

389. **Sound Design and Production (3).** Introduction to the principles of sound and the equipment used in sound production with an emphasis on digital audio, computer based editing, and Midi.
391. **Scene Painting (3).** Techniques of scene painting to include drop painting, perspective illusion, lighting consideration, budget, and equipment.
398. **Costume Techniques (3).** Basics of construction of stage costumes, alteration and repair of existing costumes, and the implementation of professional costume shop practices.
399. **Study Tour (3).** Topics, excursions, and requirements determined by department. May be duplicated for credit; however, only three (3) credits may be applied toward any major or minor. Infrequently scheduled and subject to minimum and maximum numbers. Advance deposit required.
430. **Film Techniques (3).** *Prerequisites: DR 231, 232 and 235.* Fundamental theories and practices of cinematography and editing for film and video. Practical cinematography exercises will utilize small, professional grade HD cameras in location settings. Editing exercise will utilize professional offline editing software to complete a small group-produced short film.
440. **Theatrical Drafting (3).** *Prerequisite: DR 371.* Development of scenic drafting techniques for production, including floor plans, elevations, sections and working drawings.
441. **Acting II (3).** *Prerequisite: DR 241.* Advanced acting scenes and approaches to performance.
- 451, 452, 453. **Design-Technical Practicum (1) (1) (1).** *Prerequisite: Permission of instructor.* Major production assignments in the department's plays in the areas of scenery, management, painting, lighting, costumes, and makeup or other technical/design assignment arranged with drama faculty.
455. **Music Theatre Dance (3).** Dance for musical theatre: a practical application of dance and movement in performance.
463. **Dramatic Theory (3).** An investigation into the major theories of drama from Aristotle to the present. Extensive reading of play scripts as well as analytical works.
465. **Musical Theatre (3).** A historical study of musical theatre in America from 1735 to the present. Emphasis is on theme, composers, performers, producers, and choreographers.
470. **Computer Aided Rendering for Theatre (3).** *Prerequisite: DR 371, 377 or 386.* Development of digital rendering techniques for theatrical design utilizing graphic, paint, or three dimensional computer modeling programs.
475. **Special Problems in Drama (3).** *Prerequisite: Permission of instructor.* Individually designed and supervised research projects or production assignments.
479. **Special Problems in Theatrical Studies (3).** Advanced study of theatrical literature, research or performance studies. Topics will rotate. This course may be repeated for credit up to a maximum of nine hours.
480. **Special Topics in Design/Technology (3).** Advanced study of theatrical design or technical areas. Topics will rotate. This course may be repeated for credit up to a maximum of nine hours.
- 482, 483, 484. **Performance Practicum (1) (1) (1).** *Prerequisite: Permission of instructor.* Major performance roles in the areas of acting, directing, movement, and playwriting.
485. **Special Topics in Performance (3).** Advanced work in performance techniques. Topics will rotate. This course may be repeated for credit up to a maximum of nine hours.
487. **Stage Makeup II (3).** *Prerequisite: DR 387.* Advanced makeup techniques for theatre, film, and television. Creation of false teeth and prosthetics for three dimensional, old-age, and specialty makeup.
490. **Senior Practicum (2).** *Prerequisites: Senior standing and instructor's permission.* Directed practicum in one of these areas: acting, directing, design, management, technology, or theatre education.

DEPARTMENT OF ENGLISH

215 STONE CENTER

Department Head: Robert Felgar

Professor: Davis, Di Biase, Felgar, Gates, Gray, Hug, Jones, Reed

Associate Professor: Harding, Kostova, Porter

Instructor: Bailey, Bennett, Burns, Dean, Elkins, Foster, Greene,
Johnson, Maloney, Mattox, Mecham, Moersch, Myer, Nichols, Prickett,
Pruitt, Rimpsey, Sasser, K. Williams, L. Williams

The Bachelor of Arts in English requires 120 hours.

The major requires 39 hours of English courses, which must include the following:

Survey Courses (12 hours): EH 201, 202, 203, 204

Foundation Course (three hours): EH 403 or 404

English Literature Courses (nine hours at 300/400 level): three hours of American literature and six hours of non-American literature

English Language Courses (six hours): two of the following: EH 307, 321, 344, 415, 441

English Electives (nine hours): one course from any 200+ level course and two courses chosen from any 300+ level course offered except EH 345, 348, and 360.

For the English major, a minimum of 12 of the 36 hours must be taken at the 300/400 level at JSU. The English major also requires 12 hours of a single foreign language (FL 101, 102, 201, 202). Students who plan careers in education should contact the Teacher Service Center in the School of Education, Ramona Wood Hall, Room 207, for information on certification and admission to education.

Minor in English: A minimum of 24 hours, which must include EH 101 or 103, 102 or 104, 141, 203, 204; one of the following: EH 201, 202, 219 or 220; and six hours of 300+ level electives. This minor is not available for students majoring in English. A minimum of six of the 24 hours must be taken at the 300/400 level at JSU. Electives may be chosen from any 300+ English courses offered except EH 345, 348, and 360.

Minor in Business and Technical Writing: A minimum of 24 hours, which must include EH 101 or 103, 102 or 104, 141, 201, 202, 322, 344, and 415. This minor is not available for students majoring in English.

Minor in Creative Writing: A minimum of 24 hours, which must include EH 101 or 103, 102 or 104, 141, 201, 202, 344, 351 or 352, and 415. This minor is not available for students majoring in English.

PLAN OF STUDY

BACHELOR OF ARTS MAJOR: ENGLISH

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations.

FRESHMAN YEAR

Fall	Spring
EH 101 or 1033	EH 102 or 1043
History sequence3	EH 1413
Natural Science sequence4	History sequence3
Social/Behavioral Science3	Natural Science sequence4
MS 110+3	
STU 101.....0	
16	13

SOPHOMORE YEAR

Fall	Spring
EH 2013	EH 2023
Fine Arts3	Social/Behavioral Science3
EH 2033	EH 2043
Foreign Language 1013	Foreign Language 1023
CS 2013	Elective1
	EH 200+3
15	16

JUNIOR YEAR

Fall	Spring
English Literature ¹3	English Language ²3
English Language ²3	Foreign Language 2023
Foreign Language 2013	EH 403/4043
Minor/Electives6	Minor/Electives 300+6
15	15

SENIOR YEAR

Fall	Spring
English Literature ¹3	English Literature ¹3
English Elective 300+3	English Elective 300+3
Minor/Electives 300+9	Minor/Electives 300+9
15	15

¹English Literature courses requirement: nine hours at 300+ level, including one American and two non-American literature courses.

²English Language courses requirement: six hours selected from the following: EH 307, 321, 344, 415, 441.

ENGLISH (EH)
COURSE DESCRIPTIONS

NOTE: All entering students who have not successfully completed or been awarded credit for EH 101 are required to submit scores from the American College Test (ACT). Placement in entry-level English will be determined by the following:

Placement	ACT English Sub Test /SAT
EH 100	17 or below /420 or below
EH 101	18 or above /430 or above
EH 103	25 or above /620 or above

100. **Basic English Skills (3).** A study of basic English grammar and writing skills. Credit granted but not toward major. Not open to students who have completed EH 101 or 103. **Grades for EH 100: A, B, C, NC.**
- 101, 102. **English Composition (3) (3).** Two semesters. *Prerequisite to all other English courses except EH 141.* Spelling, grammar, punctuation, vocabulary, and the strategies of effective writing. Introduction to literature. In 102: a research paper. **Grades for EH 101 and 102: A, B, C, NC.** *EH 102 prerequisite: successful completion of EH 101 or 103.*
- 103, 104. **Honors English Composition (3) (3).** Two semesters. *Substitutes for EH 101, 102.* Advanced strategies of effective writing. Advanced introduction to literature. In 104: a research paper. Admission requirements: 103, see requirements above; 104, by recommendation of instructor. **Grades for EH 103 and 104: A, B, C, NC.** *EH 104 prerequisite: successful completion of EH 101 or EH 103 and recommendation of instructor.* (EH 103 offered fall only; EH 104 offered spring only.)
141. **Oral Communication (3).** Conversational English with emphasis on the process by which ideas are interchanged orally from one person to another or to a group. Consists of regular classroom presentations, formal speaking, and practice on individual problems with usage and articulation.
- 201, 202. **American Literature (3) (3).** Two semesters. *Prerequisite: EH 102 or 104.* The American tradition as presented in literature. 201: Franklin, Irving, Poe, Douglass, Emerson, Thoreau, Hawthorne, Melville, Whitman. 202: James, Twain and more recent American authors, such as Ann Beattie and Alice Walker.
- 203, 204. **Survey of English Literature (3) (3).** Two semesters. *Prerequisite: EH 102 or 104.* Representative English writers in the major periods of their nation's cultural development. 203: *Beowulf* to Neoclassical writers. 204: Romantics to modern writers.
- 219, 220. **Honors Literature (3) (3).** Two semesters. *Prerequisites: EH 102 or 104 and permission of instructor.* A study of works of literature against the background of philosophy, history, and the arts. (Offered fall and spring only.)
- 231, 232. **World Literature (3) (3).** Two semesters. *Prerequisite: EH 102 or 104.* The literature of Greece and Rome, the Medieval Period, the Renaissance, the Enlightenment, the Romantic Age, Realism and Symbolism, and our own times.
300. **Independent Study (1).** *Prerequisite: Permission of department head.* Special project in English studies. (Offered fall and spring only.)
- 303, 304. **Survey of Black Literature (3) (3).** Two semesters. *Prerequisite: EH 102 or 104.* 303: A study of African-American writers from Colonial times through the Harlem Renaissance. 304: From the 1940s to the present.
305. **Native American Literature (3).** *Prerequisite: EH 102 or 104.* A study of selected literature by Native Americans, including traditional oral genres (myths, folktales) and written genres (autobiography, fiction, poetry).
307. **English Grammar (3).** *Prerequisite: EH 102 or 104 or permission of the English department head.* This course will explore all aspects of English grammar, including sentence structure, usage, and mechanics. Open to all students with appropriate prerequisites.
309. **Film Noir, Classics, and Melodrama (3).** *Prerequisite: EH 102 or 104.* An exploration of three of the most important forms of visual culture in contemporary America. The course will concentrate on the social and cultural work performed by the films, and the focus will shift from one semester to the next from film noir to classics to melodrama. May be taken only once.
311. **Romantic Poetry (3).** *Prerequisite: EH 102 or 104.* English poetry of the late eighteenth and early nineteenth centuries, featuring works of Blake, Dorothy and William Wordsworth, Byron, Mary and Percy Shelley, and Keats.
312. **Business English for International Purposes (3).** This course is designed to teach the basics of business communication with an emphasis on American business English, business document formats, American idiomatic usages, and multicultural audiences, including ESL audiences.
313. **Twentieth-Century Poetry (3).** *Prerequisite: EH 102 or 104.* British and American poets of the 1900s. Hardy and Robinson through Robert Lowell and Adrienne Rich.

321. **Advanced Grammar and Linguistics (3).** *Prerequisite: EH 102 or 104.* A linguistic approach to the study of prescriptive and descriptive grammar.
322. **Technical Writing (3).** *Prerequisite: EH 102 or 104.* Practical writing, especially correspondence and reports, for students in business, scientific, and technical fields.
344. **Advanced Composition (3).** *Prerequisite: EH 102 or 104.* Improving the skills and the knowledge of composition acquired in EH 101 and 102, deepening the student's understanding of grammar, diction, and usage, and introducing him/her, through active production, to the larger forms, particularly of an expository or argumentative nature.
345. **Argumentation and Debate (3).** *Prerequisite: EH 141.* Basic principles and practice of argumentation and debate, with instruction in parliamentary procedure. No credit allowed toward English major or minor.
346. **Advanced Oral Communication (3).** *Prerequisite: EH 141; by advisement.* Study and practice of techniques of public speech-making, argumentation and debate.
347. **Theory of Speech (3).** *Prerequisite: EH 141; by advisement.* Study and practice in developing oral communication skills and auditory discrimination ability. Offered during fall semester.
348. **Composition and Speech (3).** *Prerequisites: EH 102 or 104 and 141. Only for students majoring in EED, ECK, CLS, or ECE.* Emphasis on writing and on oral presentation skills. **Grades for EH 348: A, B, C, NC.** No credit allowed toward English major or minor.
349. **The Literature of Young Adults (3).** *Prerequisite: EH 102 or 104.* A survey of the literature of young adults with particular attention to recent examples. Emphasis will be on the literary qualities of the reading. Restricted to English majors, minors, and Secondary Education/ELA majors.
- 351, 352. **Creative Writing (3) (3).** *Prerequisites: EH 102 or 104 and permission of instructor.* The first semester will concentrate on writing fiction, the second on poetry.
360. **Interpersonal Communication (3).** *Prerequisite: EH 141.* A course designed to give students study and practice in effective oral communication in different one-to-one relationships and situations. No credit allowed toward English major or minor.
370. **The American Novel (3).** *Prerequisite: EH 102 or 104.* From its beginning to the present: Cooper, Hawthorne, Melville, and Twain through such moderns as Faulkner, Hemingway, Wolfe, Ellison, Bellow, and Morrison.
371. **Contemporary Fiction (3).** *Prerequisite: EH 102 or 104.* The reading and analysis of recent novels and/or short stories selected by the instructor.
372. **The Graphic Novel (3).** *Prerequisite: EH 102 or 104.* An overview of the development of the graphic novel, beginning with *Maus* and ending with contemporary works.
373. **Twentieth-Century Drama (3).** *Prerequisite: EH 102 or 104.* The social, moral, and psychological interests of modern and contemporary continental, English, and American dramatists.
375. **Southern Literature (3).** *Prerequisite: EH 102 or 104.* Selected works of poetry and prose by such major Southern writers as George Washington Cable, Alice Walker, William Faulkner, and Flannery O'Connor.
377. **The Bible as Literature: Old Testament (3).** *Prerequisite: EH 102 or 104.* This survey course will serve as an introduction to the literary ideas, forms, and techniques found in English translations of the Old Testament. This course fulfills the upper level, non-American literature requirements for English and Secondary English Language Arts majors.
378. **The Bible as Literature: New Testament (3).** *Prerequisite: EH 102 or 104.* This survey course will serve as an introduction to the literary ideas, forms, and techniques found in English translations of the New Testament. This course fulfills the upper level, non-American literature requirements for English and Secondary English Language Arts majors.
399. **Study Tour (3).** *Prerequisite: EH 102 or 104.* Topics, excursions and requirements determined by department. May be duplicated for credit; however, only three (3) credits may be applied toward any major or minor. Infrequently scheduled and subject to minimum numbers. Advance deposit required.
401. **Chaucer (3).** *Prerequisite: EH 102 or 104.* The poet against the background of the Middle Ages.
402. **Special Studies in the English Renaissance (3).** *Prerequisite: EH 102 or 104.* Dedicated to selected writers, themes or genres. May be duplicated for credit for a total of nine (9) semester hours, as long as each course taken is on a different special topic.
- 403, 404. **Shakespeare (3) (3).** *Prerequisite: EH 102 or 104.* First semester: *Hamlet*, *Othello*, and selected histories and romantic comedies. Second semester: *King Lear*, *Macbeth*, and selected later comedies and tragedies.
405. **Shakespeare's England (3).** *Prerequisite: EH 102 or 104.* Program of study in Stratford-upon-Avon. Visits to places associated with Shakespeare and reading in social history of the period. (Offered infrequently.)
408. **Theory of Composition (3).** *Prerequisite: EH 102 or 104.* A study of current theory and practice in composition studies.
409. **The Art of the Film (3).** *Prerequisite: EH 102 or 104.* A consideration of the motion picture in its artistic, technical, and historical contexts. A number of films by major directors will be viewed.

410. **American Drama (3).** *Prerequisite: EH 102 or 104.* An examination of American drama both as theatre and literature, considering early plays in their historical contexts, with emphasis on major American dramatists beginning with Eugene O'Neill and progressing through Tennessee Williams, Arthur Miller, Edward Albee, and others.
411. **Eighteenth-Century Literature (3).** *Prerequisite: EH 102 or 104.* A survey of eighteenth-century English writers, focusing on major satirists, such as Dryden, Pope, Swift, and Fielding; also including Johnson and his circle, some of the major novelists and dramatists; and ending with a survey of the "Pre-Romantics" (the "poets of sensibility").
412. **Victorian Poetry (3).** *Prerequisite: EH 102 or 104.* Tennyson, Elizabeth Barrett and Robert Browning, Arnold, Swinburne, and other poets of the Victorian Era.
413. **English Drama (3).** *Prerequisite: EH 102 or 104.* Medieval background of Elizabethan drama and the reading of representative plays of the Tudor and Stuart periods.
415. **Advanced Expository Writing (3).** *Prerequisite: EH 344.* Refining skills and knowledge acquired in EH 101 or 103, 102 or 104, 344, and requiring expository/argumentative essays representative of excellent rhetoric. (Offered spring only.)
419. **Milton (3).** Poetry and prose of John Milton, with special attention to *Paradise Lost*.
420. **Women's Literature (3).** *Prerequisite: EH 102 or 104.* Six centuries of representative literature by women. Emphasis on recent British and American, including ethnic-American, authors. Discussion of women writers in relation to the traditional canon.
423. **Alabama Literature (3).** *Prerequisite: EH 102 or 104.* An introduction to Alabama writers from the frontier period to the present; fiction and nonfiction; short story, novel, poetry, essay.
431. **Non-Western Literature (3).** *Prerequisite: EH 102 or 104.* An introduction to literature of the non-Western world from ancient times to the twenty-first century. This course will examine different genres of literature originating in the following regions or cultures: Asia, the Middle East, Africa, South and Central America, as well as other cultures whose heritage is not primarily based on the Western tradition.
441. **The History of the English Language (3).** *Prerequisite: EH 102 or 104.* Study of the origins and development of the English language from Old English through Modern English, focusing on the historical, cultural, and linguistic forces affecting language change.
442. **Black Writers in America (3).** *Prerequisite: EH 102 or 104.* A study of major twentieth-century writers, including Wright, Ellison, Hughes, Baldwin, Toni Morrison, Alice Walker, and others.
452. **Literary Criticism (3).** *Prerequisite: EH 102 or 104.* Prominent themes and theories, various critical approaches, and outstanding examples of literary criticism from Plato to feminism and African-American literary theory.
453. **The English Novel (3).** *Prerequisite: EH 102 or 104.* A history of the British novel, with readings of, and reports on, novelists of the eighteenth, nineteenth, and twentieth centuries.
467. **Twentieth-Century English Fiction (3).** *Prerequisite: EH 102 or 104.* British fiction of the twentieth century, including short stories and novels by modern and post-modern authors.
484. **Current New York Theatre (3).** *Prerequisite: EH 102 or 104.* A study of the New York theatre available at the time the course is offered. In addition to attending four current Broadway productions, students visit Lincoln Center for the Performing Arts and major art museums, such as the Metropolitan Museum of Art and the Museum of Modern Art.
491. **Internship (3).** *Prerequisites: Completion of at least 12 hours of 300+ English classes and permission of the department head and sponsoring faculty member.* Provides direct experience and application of principles, concepts and theories acquired in coursework with an emphasis on writing in a professional organization while giving students the opportunity to gain work/career experience in service/learning or business/corporate settings. Pass/Fail grade only.

**DEPARTMENT OF HISTORY AND
FOREIGN LANGUAGES**

317 STONE CENTER

Department Head: Gordon E. Harvey
Professor: Cook, Gross, Harvey, Koerper, Lemmons, Prudlo, Robinson
Associate Professor: Beezley, Koss, Levi, Martinez, Pacheco
Instructor: Burrows, Hudson, Kabaira, Stokesberry

History Major:

History majors may select from a wide variety of courses designed to broaden their horizons and widen their world view. The history major prepares students for careers in the public and private sector, from teaching to archival work, or to careers in business and commerce.

The 120-hour degree requires 33 hours of history courses. Students will take one survey sequence (HY 101-102 or HY 201-202) as part of the general studies curriculum. The remaining sequence will be taken as part of the requirements for the major.

History Major (33 hours):

27 hours must be at the 300/400 level.

Survey Courses (sequence not taken in general studies curriculum):

HY 101-102 or HY 201-202	6 hrs
--------------------------	-------

Courses numbered 300 or above:

U.S. History*	6 hrs
---------------	-------

European History*	6 hrs
-------------------	-------

Non-U.S./Non-European History	6 hrs
-------------------------------	-------

History Electives	6 hrs
-------------------	-------

HY 303	3 hrs
--------	-------

HY 499	0 hrs
--------	-------

Total	33 hrs
--------------	---------------

*Students must maintain a balance of early and modern classes in these sections.

Other Requirements:

Twelve (12) hours of foreign language courses are required. Majors should consult with advisors in selecting these courses. Students pursuing the Bachelor of Arts in history must have a minor as well as a major. A minor usually consists of eighteen to twenty-four semester hours in a single field of study (for example, English, political science, geography).

Senior Thesis.* All history majors are required to complete a senior thesis project (HY 499). This is an independent research project that seniors will undertake with a professor of their choosing, while enrolled in a class with the professor who supervises the project. The format of the project is flexible (to be determined in consultation with the supervising professor) in order to meet a variety of interests, from public history and museum curation to a more traditional historical research project. Whatever the form, the project will require the student to show their ability to use the "historian's toolkit" to synthesize information, to express their findings in written format, and to present their project to members of the department in open forum.

History Minor:

Students wishing to minor in history must complete twenty-one (21) semester hours in history. These courses must include HY 101-102 and HY 201-202 and nine (9) hours numbered 300 or above.

Gender Studies Minor:

Students wishing to minor in gender studies must complete SY 368, Theories of Gender, and an additional 18 semester hours from the following list of gender studies courses: AN 345, AN 361, EH 420, HY 436, PSY 337, SY 310, SY 350, SY 367, SW 360, SW 365, and other relevant courses pending committee approval. Students must complete classes from at least three different programs. For gender studies minors, the respective departments have agreed to waive any normal prerequisites for the above-listed classes. For more information, please email the gender studies advisor at genderstudies@jsu.edu or call the History Department at 256-782-5632.

Students may also complete up to six hours of the required 18 hours in non-designated courses that have been approved by the gender studies committee on a by-contract basis. Students wishing to take non-designated courses for gender studies credit must submit to the gender studies committee a contract for each non-designated course signed by both the instructor of record and the student, detailing how the student will create a gendered curriculum within the established framework of the course and course assignments. Students wishing to submit a proposal for a by-contract course should contact the gender studies advisor for the required form and pertinent information.

Education Majors:

Students who plan careers in education should contact the Teacher Service Center in the School of Education, Ramona Wood Hall, Room 207, for information on certification and admission to education.

**PLAN OF STUDY
BACHELOR OF ARTS
MAJOR: HISTORY**

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations.

FRESHMAN YEAR

Fall	Spring
EH 1013	EH 1023
HY 1013	HY 1023
PSC 1003	Social/Behavioral Science3
Natural Science.....4	Natural Science4
MS 110 or higher math3	Elective3
STU 101.....0	
16	16

SOPHOMORE YEAR

Fall	Spring
Literature3	Literature3
HY 2013	HY 2023
Fine Arts Elective3	CS 2013
EH 1413	Foreign Language3
Foreign Language3	Elective3
15	15

JUNIOR YEAR

Fall	Spring
HY 300+ (by advisement)3	HY 300+ (by advisement)6
HY 3033	Foreign Language3
Foreign Language3	Minor/Electives 300+6
Minor/Electives 300+6	
15	15

SENIOR YEAR

Fall	Spring
HY 300+ (by advisement) 9	HY 300+ (by advisement)6
Minor/Electives 300+5	Minor/Electives 300+8
	HY 4990
14	14

TOTAL: 120 hours, at least 36 hours of which must be in courses numbered 300 or above.

**HISTORY (HY)
COURSE DESCRIPTIONS**

- 100. Current History (1).** Students will do research on a current events topic which they select with the approval of the instructor. Consent of the department head is required.
- 101, 102. Western Civilization (3) (3).** Two semesters. Civilization from earliest times to the present. Some training in the technique of historical research.
- 103, 104. Honors Western Civilization (3) (3).** Two semesters. Advanced study in the history of western civilization from earliest time to the present. Includes training in the techniques of historical research, writing, and criticism.
- 201, 202. American History (3) (3).** Two semesters. Beginning with the European background, this course deals with the establishment of the thirteen English colonies, separation from the mother country, growth and expansion, participation in world affairs.

- 203, 204. **Honors American History (3) (3).** Two semesters. Advanced study in American history, beginning with the European background and continuing up to the present. Includes training in the techniques of historical research, writing, and criticism.
300. **Special Topics in History (3).** *Prerequisite: HY 101, 102, 201, and 202, or permission of instructor.* An examination of special topics in History. This course will explore topics related to the history of the U.S. or the World. Grade: standard letter. May be repeated twice for a total of nine credit hours.
301. **History of England to 1689 (3).** *Prerequisites: HY 101 and 102.* The origins of the English people and nation, its early legal and constitutional development, the struggle between king and parliament, and the beginning of overseas expansion down to the Glorious Revolution. Recommended especially for pre-law students.
302. **History of Great Britain, 1689 to the Present (3).** *Prerequisites: HY 101 and 102.* A continuation of HY 301. The consolidation to the constitutional evolution; the agricultural, social, industrial, and political revolutions of the eighteenth and nineteenth centuries; the merging of Great Britain into the Commonwealth of Nations.
303. **Historian's Craft (3).** *Prerequisites: History majors only; HY 101, 102, 201 and 202.* Historical research methods and historiography. This course will introduce history majors to methods and tools used in historical research as a means of preparing them for their 300-400 level history courses. The class will serve as a bridge between the freshman history experience and the major's immersion into the discipline of history.
304. **American Military History (3).** *Prerequisites: HY 201 and 202.* The evolution of warfare and the military in America's past. (Offered every year.)
331. **The Far East in Modern Times (3).** *Prerequisites: HY 101 and 102.* A survey of Far Eastern history with special emphasis upon China, Japan, and the impact of western influence in modern times.
332. **Russian History through the Revolutions of 1917 (3).** *Prerequisites: HY 101 and 102.* The political, social, and intellectual developments of Russia from the early migrations and consolidation of Muscovy through the fall of the House of Romanov.
333. **Russian History from 1855 to the Present (3).** *Prerequisites: HY 101 and 102.* Survey of the history of Russia focusing on the rise of radical activity that led to the Revolution of 1917, the creation, evolution and collapse of the Soviet Union and Russia after communism.
395. **Europe in the Middle Ages 476-1300 (3).** *Prerequisites: HY 101 and 102.* Major political, intellectual, and cultural trends, with emphasis on ecclesiastical developments and the fathers of the church.
399. **Study Tour (3).** Topics, excursions, and requirements determined by department. May be duplicated for credit; however, only three (3) credits may be applied toward any major or minor. Infrequently scheduled and subject to minimum and maximum numbers. Advance deposit required.
400. **Europe in the High Middle Ages: Renaissance and Reformation, 1300-1648 (3).** *Prerequisites: HY 101 and 102.* European society as seen through its philosophy, religion, literature, and politics.
404. **The Age of the Cold War: Europe, 1945-Present (3).** *Prerequisites: HY 101 and 102.* The Cold War and its impact on the internal reorganization of the European nations. (Offered every year.)
405. **Environmental History of the U.S. (3).** *No prerequisite.* A historical investigation of human interaction with the environment in the United States from the pre-colonial era to the present.
406. **Internship in Museum Studies (3).** *Prerequisite: Permission of instructor.* Working with local historical museums under the supervision of faculty, students will be introduced to the problems and possibilities of museum curatorship.
408. **Ancient History (3).** *Prerequisites: HY 101 and 102.* A survey of civilization in the Near East and Europe from the invention of writing to the fall of the Roman Empire.
409. **Modern France (3).** *Prerequisites: HY 101 and 102.* A survey of the development of the French nation-state from Louis XIV to the present.
415. **The American Experience in War (1775-1898) (3).** *Prerequisites: HY 201 and 202 or permission of instructor.* A military history of the American Revolution, War of 1812, Mexican War, Civil War, and Spanish American War. The course examines strategy, tactics, leadership, logistics, and civil military relations in America's first five conflicts.
433. **American Social and Cultural History to 1865 (3).** *Prerequisites: HY 201 and 202.* American society through its literature, religion, philosophy, and arts. Emphasis upon immigration strains, European cultural transfer, and environmental adaptations which have formed the American character. Wide opportunities for reading offered in religion, philosophy, literature, and the arts.
434. **American Social and Cultural History Since 1865 (3).** *Prerequisite: HY 202 or permission of instructor.* This course will evaluate shifting immigration origins. Concentrated study will be given to the changing thought patterns which have resulted from Darwinism, the rise of Big Business, theories of the public interest, Pragmatism, and the emergence of the United States as a world power.
436. **History of American Women (3).** *Prerequisites: HY 201 and 202.* A survey of the history of women from the colonial period to the present with emphasis upon social, economic, political, and educational developments.
437. **Black America (3).** *Prerequisites: HY 201 and 202.* Blacks in the U.S. from colonial times to the present; events of the twentieth-century and the integral social relations between blacks and whites will be emphasized.

441. **The South Before 1860 (3).** *Prerequisites: HY 201 and 202.* The colonization and the economic, political, social, and cultural development of the Old South and its part in building the nation.
442. **The South Since 1860 (3).** *Prerequisite: HY 441 or permission of instructor.* The issues which led to secession; the War Between the States; the economic, political, and social results; recent tendencies and developments.
443. **Introduction to Southern Culture (3).** *Prerequisites: HY 201 and 202.* The study of the historic roots of regional culture that will integrate topics, such as the "Cult of the Lost Cause," religion, folk life, music, literature, and the transition from a rural/agricultural society to an urban/commercial/industrial one.
444. **History of Alabama (3).** *Prerequisites: HY 201 and 202.* Alabama from the era of settlement to the present.
445. **North American Indians (3).** *Prerequisite: HY 201.* A survey of Native American history in what became the United States. Particular attention will be paid to Native-U.S. government relations, the impact of the reservation and assimilation programs, and modern rights issues.
448. **The Westward Movement in American History (3).** *Prerequisites: HY 201 and 202.* Significance of the frontier in American History; colonization of successive geographic areas; the West in relation to tariff, public lands, currency and banking; and crisis resulting from expansion.
451. **History of Early America to 1783 (3).** *Prerequisites: HY 201 and 202.* European background to exploration; exploration and settlement; the Inter-Colonial Wars; the political, social, economic, and cultural developments within the colonies.
452. **The Age of Jefferson and Jackson, 1783 to 1850 (3).** *Prerequisites: HY 201 and 202.* The development of the American Republic from the end of the American Revolution until the Compromise of 1850, with special emphasis on the influence that Jefferson and Jackson had on the evolution of democratic attitudes and institutions.
453. **Sectional Conflict, Civil War, and Reconstruction, 1850-1877 (3).** *Prerequisites: HY 201 and 202.* The rise of opposition to slavery; the Decade of Crises; Civil War; political, social, economic, diplomatic, and military aspects of the conduct of the war. An examination of the various interpretations, regional and national, of the Reconstruction Period.
454. **The Beginning of Modern America, 1877-1914 (3).** *Prerequisites: HY 201 and 202.* Description and evaluation of the shift of the United States from an agrarian to an industrial nation; the heritage of Civil War and Reconstruction; the rise of the Great Moguls; mass production and technological change; the rise of labor union movements and organized farm protests; the Spanish-American War; and American involvement in World War I.
455. **The 1920's and the Great Depression (3).** *Prerequisites: HY 201 and 202.* A detailed study of American political, diplomatic, and cultural history from Presidents Woodrow Wilson through Franklin D. Roosevelt.
456. **Contemporary America, 1945-Present (3).** *Prerequisites: HY 201 and 202.* A detailed study of American political, diplomatic, and cultural history since the end of World War II. Part of this course will be devoted to the study of current events. (Offered every year.)
465. **The British Empire and Commonwealth (3).** *Prerequisites: HY 101 and 102.* Growth and development of the British Empire, with emphasis on the factors leading to the Commonwealth of Nations.
468. **Constitutional History of England (3).** *Prerequisites: HY 101 and 102.* Growth of common law, the court system, and the cabinet form of government from the earliest times to the present.
469. **Age of Churchill (3).** An examination of late Victorian-twentieth century British and World events through the career of Winston S. Churchill.
470. **American Diplomatic History to 1933 (3).** *Prerequisites: HY 201 and 202.* History of United States foreign relations beginning with the American Revolutionary Period and continuing through the decade of the 1920's. A study of the historical changes in American foreign policy objectives which led to the increased size and importance of the United States.
471. **American Diplomatic History Since 1933 (3).** *Prerequisites: HY 201 and 202.* A detailed study of United States' foreign relations beginning with Franklin D. Roosevelt and continuing to the present.
473. **Modern Middle East (3).** *Prerequisites: HY 101 and 102.* This course centers around Israel's struggle for national independence and the tension this has produced in the Middle East.
480. **Colonial Latin America (3).** *Prerequisite: HY 101 or 201 or permission of instructor.* The interaction of Native American, European, and African people in the Spanish and Portuguese empires of the Americas, concluding with the wars for independence.
481. **Modern Latin America (3).** *Prerequisite: HY 102 or 202 or permission of instructor.* An examination of the political, economic, social, and cultural developments of the diverse Latin American nations since 1821, against a backdrop of tradition, reform, and revolution.
483. **United States-Latin American Relations (3).** *Prerequisites: HY 201 and 202 or permission of instructor.* A survey of the diplomatic, economic, and cultural relations between the United States and the Latin American Republics from 1810 to the present.
485. **History of Mexico (3).** *Prerequisites: HY 201 and 202 or permission of instructor.* A study of Mexico's past, including pre-Columbian civilizations, the Spanish Conquest and Colonial period, the independence movement and the

early republic, the struggle for nationhood, the modernization of Mexico with a special emphasis on the Mexican Revolution and the forces that shaped present day Mexico.

- 486. **The Andean Nations (3).** *Prerequisites: HY 201 and 202 or permission of instructor.* A history of Colombia, Ecuador, Peru and Bolivia from pre-Columbian times until the present with an emphasis on the diversity of the peoples of these nations.
- 487. **History of Brazil (3).** *Prerequisites: HY 201 and 202 or permission of instructor.* A survey of Brazil's history from 1500 until the present with an emphasis on The Empire of Brazil, 1822-1889, and modern Brazil, 1889 to present.
- 499. **Capstone Experience (0).** *Prerequisites: History majors with senior standing and permission of department head.* Capstone experience for history majors.

DESCRIPTION OF FOREIGN LANGUAGES (FL)

The department offers a Bachelor of Arts degree in foreign languages, with a concentration in either French or Spanish, as well as minors in the two languages, for students not seeking teaching certification (with a Bachelor of Science in Education degree). The department also offers courses of study leading to teaching certification in the chosen language (see below).

In the 120-hour Bachelor of Arts degree in foreign languages, requirements for the major include the following: a minimum of 36 hours in the same language, which includes 101, 102, 201, 202, 303, 304, 310, 320, 321, 322, and at least two 300/400 level courses. In addition, each student must complete a 12-hour core in the second language, consisting of 101, 102, 321, and 322. Students with native or near-native language ability must contact the foreign languages department head to determine their proper placement in language courses. Students with previous foreign language experience may be exempted from any or all of the lower-level courses based on their placement test performance; however, the total credit hour requirement (36 hours in the language of concentration) must be fulfilled with other courses in the chosen language. Additionally, courses 101, 102, 201, and 202 **must be taken in sequence** (unless the student is exempted by placement test or has instructor's permission).

Requirements for the minor: A minimum of 24 hours in the same language, which must include 101, 102, 201, 202, plus four additional 300/400 level courses. Again, students with prior language experience may test out of the lower-level courses, and unless exempted, must take 101, 102, 201, and 202 **in sequence**. The minor is not available to students seeking teaching certification, but students concentrating in one language may choose to minor in the other. A student may also choose a non-language minor.

For information concerning teaching certification, please consult the School of Education entries in this catalog or seek help from the School of Education Teacher Education Services, in room 207 Ramona Wood.

PLAN OF STUDY

CONCENTRATION: FRENCH OR SPANISH

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations.

FRESHMAN YEAR

Fall	Spring
FL 101 (1st lang.)3	FL 102 (1st lang.)3
HY sequence3	HY sequence3
Natural Science.....4	Natural Science4
EH 101.....3	EH 1023
Social and Behavioral Science**3	EH 1413
STU 101.....0	
16	16

SOPHOMORE YEAR

Fall	Spring
FL 201 (1st lang.)3	FL 202 (1st lang.)3
MS 110 or higher3	Elective3
Social and Behavioral Science**3	EH Literature.....3
EH Literature3	Fine Arts Elective*3
FL 101 (2nd lang.).....3	FL 102 (2nd lang.)3
15	15

JUNIOR YEAR

Fall	Spring
FL 303, 304, 310 or 320 (1st lang.).....3	FL 303, 304, 310 or 320 (1st lang.)3
CS 2013	Minor/Electives6
FL 321 or 322 (1st lang.)3	FL 321 or 322 (1st lang.)3
Minor/Electives6	FL Elective 300/400 level.....3
15	15

SENIOR YEAR

Fall	Spring
FL 303, 304, 310 or 320 (1st lang.).....3	FL 303, 304, 310, or 320 (1st lang.)3
FL 321 or 322 (2nd lang.)3	FL 321 or 322 (2nd lang.)3
FL Elective 300/400 Level..... 3	Minor/Electives..... 6
Minor/Electives6	Elective 1
15	13

TOTAL HOURS: 120 hours, at least 36 of which must be at the 300+ level.

*Select from ART 202, MU 233, DR 242

**Select from AN 224, GY 120, GY 220, PSY 201

FRENCH (FH) COURSE DESCRIPTIONS

101. **Beginner's French I (3).** Beginning French grammar, pronunciation, conversation, culture, and supplementary work in the laboratory.
102. **Beginner's French II (3).** *Prerequisite: FH 101 or instructor's approval.* Continuation of Beginner's French I.
201. **Intermediate French I (3).** *Prerequisite: FH 102 or instructor's approval.* A review of French grammar and vocabulary, conversation, and discussion based on short literary selections. Writing short compositions, dialogs, etc. Laboratory required.
202. **Intermediate French II (3).** *Prerequisite: FH 201 or instructor's approval.* Continuation of Intermediate French I. Successful completion of 202 is prerequisite for **all courses** numbered 300 or higher, *except* 321 and 322.
- 303, 304. **Survey of Literature I and II (3) (3).** *Prerequisite: FH 202.* Two semesters. French literature from the Middle Ages to the Revolution (303) and from Romanticism to the present (304).
310. **Advanced Grammar and Composition (3).** *Prerequisite: FH 202.* A thorough study of syntax, structure, vocabulary, and structures that the advanced student should know. Writing expository, descriptive, argumentative, and critical compositions.
313. **Basic Business Communications (3).** *Prerequisite: FH 202.* Practice in written and spoken communications in all types of business situations for those specializing in areas where the language is French.
320. **French Conversation (3).** *Prerequisite: FH 202.* Intensive practice in conversation.
321. **French Civilization I (3).** *Offered in English, no prerequisites.* An extensive study of French culture in a historical context, covering prehistory through the French Revolution. Cultural aspects examined include art and architecture, music, literature, politics and government, and social trends.
322. **Francophone Culture (3).** *Offered in English, no prerequisites.* Introduction to and examination of the culture of various French-speaking countries and regions outside Europe.
325. **French Civilization II (3).** *Offered in English, no prerequisites.* An extensive study of French culture in a historical context, covering the Napoleonic Age through the present. Cultural aspects examined include art and architecture, music, literature, politics and government, and social trends.
416. **Seventeenth-Century French Literature (3).** *Prerequisite: FH 202.* Reading and analysis of representative plays by Corneille, Racine, and Moliere.
420. **Eighteenth-Century French Literature (3).** *Prerequisite: FH 202.* Literary, social and political trends of the Enlightenment as represented in the works of Montesquieu, Diderot, Voltaire, Rousseau and others.
- 430, 431. **Nineteenth-Century French Literature (3) (3).** *Prerequisite: FH 202.* Two semesters. Nineteenth-Century French Novel (430): reading and analysis of representative works by Stendhal, Hugo, Balzac, Flaubert, Maupassant, and Zola. Nineteenth-Century Poetry and Drama (431): reading and analysis of poetry and drama representing the major movements of the era, from Romanticism through Symbolism.

- 440, 441. **Twentieth-Century French Literature (3) (3).** *Prerequisite: FH 202.* Two semesters. Twentieth-Century Novel (440): reading and analysis of representative works by Gide, Proust, Mauriac, Sartre, Camus and Saint-Exupéry. Twentieth-Century Poetry and Drama (441): reading and analysis of poetry and drama from the major movements, including Surrealism, Theater of the Absurd, Existentialism, etc.

SPANISH (SH) COURSE DESCRIPTIONS

101. **Beginner's Spanish I (3).** Beginning Spanish grammar, with emphasis on reading, writing, speaking, and understanding the language. Use of the language laboratory required.
102. **Beginner's Spanish II (3).** *Prerequisite: SH 101 or instructor's approval.* Continuation of Beginner's Spanish I.
201. **Intermediate Spanish I (3).** *Prerequisite: SH 102 or instructor's approval.* A review of Spanish grammar, conversation, and discussion based on short literary selections. Writing short compositions, dialogs, etc. Laboratory required.
202. **Intermediate Spanish II (3).** *Prerequisite: SH 201 or instructor's approval.* Continuation of Intermediate Spanish I. Successful completion of 202 is prerequisite for **all courses** numbered 300 or higher, *except* 321, 322, and 406.
- 303, 304. **Survey of Literature I and II (3) (3).** *Prerequisite: SH 202.* Representative Spanish writers in the major periods of their nation's cultural development. From the Middle Ages to the Golden Age (303), and from the 18th century to the present (304).
310. **Advanced Grammar and Composition (3).** *Prerequisite: SH 202.* A thorough study of syntax, structure, vocabulary, and structures that the advanced student should know. Writing expository, descriptive, argumentative, and critical compositions.
313. **Basic Business Communications (3).** Practice in written and spoken communications in all types of business situations for those specializing in areas where the language is Spanish.
320. **Spanish Conversation (3).** *Prerequisite: SH 202.* Intensive practice in spoken Spanish using a variety of cultural activities (films, magazine articles, TV programs, etc.).
321. **Spanish Civilization (3).** *No prerequisites; offered in English.* Evolution of the culture, history, and geography of Spain.
322. **Latin American Civilization (3).** *No prerequisites; offered in English.* Evolution of the culture, history, and geography of Latin America.
405. **Golden Age Drama (3).** *Prerequisite: SH 202.* Reading and analysis of representative plays by Lope de Vega, Tirso de Molina, Alarcón, and Calderón de la Barca.
406. **Don Quixote (3).** *No prerequisites; offered in English.* Reading and analysis of the works of Cervantes, with special attention to *Don Quixote*. Research paper is required.
408. **The Generation of 1898 (3).** *Prerequisite: SH 202.* Reading of and reports on the major works of Azorín, Unamuno, Valle-Inclán, Antonio Machado, and Pío Baroja.
409. **Contemporary Spanish Literature (3).** *Prerequisite: SH 202.* Representative works of major writers from the Spanish Civil War to the present.
410. **Latin American Literature (3).** *Prerequisite: SH 202.* Representative Latin American writers in the major periods of their nation's cultural development from the Colonial period to the present.
411. **Nineteenth-Century Spanish Poetry (3).** *Prerequisite: SH 202.* Representative poets from the Neo-Classical period, through Romanticism, Realism, Modernism, to the present.
412. **Nineteenth-Century Spanish Drama (3).** *Prerequisite: SH 202.* Reading and analysis of outstanding plays with emphasis on those of Duque de Rivas, Zorrilla, Echegaray, García Gutiérrez, Hartzbusch, and Tamayo y Baus.
413. **Nineteenth-Century Spanish Novel (3).** *Prerequisite: SH 202.* Major developments and trends in the novel of the 19th century, as reflected in the works of Galdós, Pardo Bazán, Palacio Valdés, Blasco Ibañez, Valera, and Pereda.

DEPARTMENT OF MUSIC

201 MASON HALL

Accredited by the National Association of Schools of Music

Department Head: Thomas McCutchen

Professor: Baptiste, Freeland, Gordon, McCutchen, Wight

Associate Professor: Benson, Bodiford, Logsdon, Nevala, Woodward

Assistant Professor: Barreto, Lambert, Lynge, Park, Probst

Instructor: Brandon, Gillespie, Hosmer, Oft, Stovall, Stricklin

Mission

The mission of the department is to develop musicians who are aware of the past, engaged in the present, embracing the future, and capable of leading and making musical contributions in whatever community or walk of life they choose. We offer professional training and promote scholarship among students in the discipline of music, sharing the expertise of our faculty in the training of music educators, scholars and performers. We recognize the interdependence among performance studies, music education and the theoretical and historical aspects of musical study, and we strive to instill excellence in each of these areas. We provide leadership for the region and serve the musical needs of the University, the general college student, campus cultural goals and the larger surrounding community through ensembles, solo performances and curricular offerings.

The Department of Music offers a Bachelor of Arts degree in Music with two concentrations. Concentration One in Music Education fulfills the requirements for the professional certificate to teach music in Alabama public schools on both the elementary and secondary levels. Concentration Two in General Music offers a program designed for the study of music within a liberal arts curriculum and requires a non-music minor.

Eligibility requirements: Students seeking to pursue a degree in Music must be determined as eligible for the program. Eligibility requirements include a formal audition in the student's primary performance medium (vocal or instrumental), theory and keyboard examinations and evaluation of the student's potential for success by a faculty committee. The procedures are in addition to University admission requirements. Music auditions and examinations may be arranged through the Music Office. A program assessment review will be accomplished at the end of the sophomore year to determine eligibility to advance to upper division level music studies.

Music Major

See "Plan of Study" for either Concentration One or Concentration Two located below. All students, but especially potential transfer students, should note the specific courses required for their selected "Plan of Study." Students may also obtain a Degree Worksheet showing the specific courses required for their chosen concentration at http://www.jsu.edu/music/student_resources.html.

Music Minor

Music 101, 102 (Music Theory)	6
Music 111, 112 (Aural Skills)	2
Primary Applied Music (3 consecutive semesters)	6
Music 237 (Advanced Introduction to Music)	3
Music Elective 300+	4
Music 104 (Concerts and Recitals – 2 semesters)	0
Ensemble (3 semesters, 2 must be 300+)	3
Total	24

Music Electives for Non-Music Majors

Introduction to Music (MU 233) and all ensembles are available to any student in the University and are designed to meet the needs of the general student who wishes to increase his or her appreciation and understanding of music.

PLAN OF STUDY

BACHELOR OF ARTS
MAJOR: MUSIC

CONCENTRATION ONE: MUSIC EDUCATION – VOCAL

The approved educational program cycle is assigned based on the actual assessment date into the Teacher Education program. For information on Teacher Education program eligibility, please consult the Education Program Requirements section of this catalog or the Teacher Education Services, Rm 207, Ramona Wood Hall.

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations.

FRESHMAN YEAR

Fall	Spring
EH 101 English Composition3	EH 102 English Composition3
MS 110 or 1123	Social/Behavioral Science3
MU 101 Music Theory3	MU 102 Music Theory3
MU 111 Aural Skills1	MU 112 Aural Skills1
MU 134 Primary Applied Music ¹2	MU 134 Primary Applied Music ¹2
MU 170 or 180 Class Piano Skills1	MU 171 or 181 Class Piano Skills1
Ensemble ²1	Ensemble ²1
MU 104 Concerts and Recitals0	MU 104 Concerts and Recitals0
MU 365 Diction I1	MU 299 Piano Proficiency0
STU 1010	MU 366 Diction II1
<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 15	<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 15

SUMMER TERM

EH 141 Oral Communication 3

SOPHOMORE YEAR

Fall	Spring
HY 101 or 2013	HY 102 or 2023
MU 201 Music Theory3	MU 202 Music Theory3
MU 211 Aural Skills1	MU 212 Aural Skills1
MU 134 Primary Applied Music ¹2	MU 134 Primary Applied Music ¹2
MU 104 Concerts and Recitals0	MU 104 Concerts and Recitals0
Ensemble ²1	MU 150 Technology in Music1
MU 237 Adv. Intro to Music Honors3	Ensemble ²1
MU 370 Keyboard Harmony and Acc I1	MU 244 Intro to Music Education2
	MU 441 Choral Literature1
	MU 371 Keyboard Harmony and Acc II1
	MU 298 Mid-degree Assessment0
<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 14	<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 15

SUMMER TERM

Literature 3

JUNIOR YEAR

Fall	Spring
Natural Science4	Natural Science4
Music Theory Option ⁴2	MU 471 Elem Music Mat/Meth3
MU 210 Conducting2	MU 412 Music History3
MU 334 Primary Applied Music ¹2	MU 334 Primary Applied Music ¹2
MU 104 Concerts and Recitals0	MU 300 Junior Recital0
Ensemble ²1	MU 104 Concerts and Recitals0
SPE 300 Survey of Except. Child3	MU 367 Diction III1
MU 350 Adv Tech in Music1	MU 385 General Inst Techniques1
	MU 363 Class Voice Pedagogy1
	Ensemble ²1
<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 15	<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 16

SUMMER TERM

Literature 3

SENIOR YEAR

Fall	Spring
Social/Behavioral Science.....3	MU 487 Internship 9
MU 483 Secondary Mat and Meth 3	MU 489 Capstone.....3
MU 444 Choral Conducting 3	
MU 411 Music History3	
MU 455 Practicum2	
MU 379 Vocal Pedagogy Lab1	
<hr/>	<hr/>
15	12

TOTAL HOURS: 126

CONCENTRATION ONE : MUSIC EDUCATION – INSTRUMENTAL

The approved educational program cycle is assigned based on the actual assessment date into the Teacher Education program. For information on Teacher Education program eligibility, please consult the Education Program Requirements section of this catalog or the Teacher Education Services, Rm 207, Ramona Wood Hall.

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations.

FRESHMAN YEAR

Fall	Spring
EH 101 English Composition3	EH 102 English Composition3
MS 110 or 1123	Social/Behavioral Science3
MU 101 Music Theory3	MU 102 Music Theory..... 3
MU 111 Aural Skills1	MU 112 Aural Skills 1
MU 134 Primary Applied Music ¹2	MU 134 Primary Applied Music ¹2
MU 170 or 180 Class Piano Skills1	MU 171 or 181 Class Piano Skills 1
Ensemble ²1	Ensemble ² 1
MU 104 Concerts and Recitals0	MU 104 Concerts and Recitals 0
Class Methods Applied ⁵1	Class Methods Applied ⁵ 1
STU 101.....0	MU 299 Piano Proficiency0
<hr/>	<hr/>
15	15

SUMMER TERM

EH 141 Oral Communication 3

SOPHOMORE YEAR

Fall	Spring
HY 101 or 2013	HY 102 or 2023
MU 201 Music Theory3	MU 202 Music Theory..... 3
MU 211 Aural Skills1	MU 212 Aural Skills 1
MU 134 Primary Applied Music ¹2	MU 134 Primary Applied Music ¹2
MU 104 Concerts and Recitals 0	MU 104 Concerts and Recitals 0
Ensemble ²1	MU 150 Technology in Music 1
MU 237 Adv. Intro to Music.....3	Class Methods Applied ⁵ 1
Class Methods Applied ⁵1	Ensemble ² 1
	MU 244 Intro to Music Education 2
	MU 298 Mid-degree Assessment.....0
<hr/>	<hr/>
14	14

SUMMER TERM

Literature 3

JUNIOR YEAR

Fall		Spring	
Natural Science	4	Natural Science	4
Music Theory Option ⁴	2	MU 471 Elem Music Mat/Meth	3
MU 210 Conducting	2	MU 412 Music History	3
MU 334 Primary Applied Music ¹	2	MU 334 Primary Applied Music ¹	2
MU 104 Concerts and Recitals	0	MU 300 Junior Recital	0
Ensemble ²	1	MU 104 Concerts and Recitals	0
SPE 300 Survey of Except Child	3	Class Methods Applied ⁵	1
MU 350 Adv Tech in Music	1	Ensemble ²	1
MU 440 Band Literature	1	MU 384 Beginning Band Foundations	1
	<hr/>		<hr/>
	16		15

SUMMER TERM

Literature

SENIOR YEAR

Fall		Spring	
Social/Behavioral Science	3	MU 487 Internship	9
MU 411 Music History	3	MU 489 Capstone	3
Class Methods Applied ⁵	1		
MU 482 Secondary Mat and Methods	3		
MU 443 Band Conducting	3		
MU 455 Practicum	2		
MU 378 Instrumental Pedagogy Lab	1		
	<hr/>		<hr/>
	16		12

TOTAL HOURS: 126

CONCENTRATION TWO: GENERAL MUSIC

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations.

FRESHMAN YEAR

Fall		Spring	
EH 101 English Composition	3	EH 102 English Composition	3
MU 101 Music Theory	3	MU 102 Music Theory	3
MU 111 Aural Skills	1	MU 112 Aural Skills	1
MU 134 Primary Applied Music ¹	2	MU 135 Primary Applied Music ¹	2
MU 104 Concerts and Recitals	0	MU 104 Concerts and Recitals	0
Ensemble ³	1	Ensemble ³	1
STU 101	0	EH 141 Oral Communication	3
MS 110 or higher	3	MU 171 or 181 Class Piano Skills	1
MU 170 or 180 Class Piano Skills	1	MU 299 Piano Proficiency	0
	<hr/>		<hr/>
	14		14

SOPHOMORE YEAR

Fall		Spring	
Natural Science	4	Natural Science	4
Foreign Language	3	Foreign Language	3
MU 201 Music Theory	3	MU 202 Music Theory	3
MU 211 Aural Skills	1	MU 212 Aural Skills	1
MU 234 Primary Applied Music ¹	2	MU 235 Primary Applied Music ¹	2
MU 104 Concerts and Recitals	0	MU 104 Concerts and Recitals	0
Elective ⁶	3	Ensemble ³	1
Ensemble ³	1	MU 298 Mid-degree Assessment	0
	<hr/>		<hr/>
	17		14

SUMMER TERM

Literature 3

JUNIOR YEAR

Fall

HY 101 or 201.....	3
MU 301 Music Theory.....	2
MU 237 Advanced Intro to Music.....	3
Ensemble ³	1
MU 210 Conducting.....	2
MU 334 Primary Applied Music ¹	2
MU 104 Concerts and Recitals.....	0
Elective ⁶	3
	16

Spring

HY 102 or 202.....	3
MU 412 Music History.....	3
MU 302 Music Theory.....	2
MU 335 Primary Applied Music ¹	2
MU 300 Junior Recital.....	0
Elective ⁶	6
Ensemble ³	1
MU 104 Concerts and Recitals.....	0
	17

SUMMER TERM

Literature 3

SENIOR YEAR

Fall

Social/Behavioral Science.....	3
MU 411 Music History.....	3
Elective ⁶	4
CS 201 Computer Science.....	3
Ensemble ³	1
	14

Spring

Social/Behavioral Science.....	3
Elective ⁶	9
Ensemble ³	1
	13

TOTAL HOURS: 125

¹Individual applied music must be studied each semester for a total of six semesters. In the sixth and final semester of study, each student will present a public recital. To aid the student in preparing for this final project, the Department of Music offers a special seminar under the guidance of the applied music instructor. Normally, all six semesters should be taken in the same applied instrument (voice, piano, clarinet, etc.). In exceptional cases a change from one instrument to another may be permitted in the major area with the approval of the instructors involved and the department head, but in such cases the student will be expected to declare clearly what subject his/her major instrument is and to pass the junior seminar work in that instrument.

²Every Music Education student is encouraged to participate in as many ensembles as possible, each for one credit hour, since practical experience of this kind will prove invaluable to the student in future teaching careers. Each student is required to participate in a large ensemble representing his/her certification area (instrumental or vocal/choral). Students must participate in 6 required ensembles: four large and two small. Large Vocal Ensembles are: MU 418 and 396. Large Instrumental Ensembles are (choose from at least two of the following): MU 392, 348, 393, 450, 479 and 332 (strings only). Small Vocal Ensembles are: MU 495, 452 and 362. Small Instrumental Ensembles are: MU 407, 346, 321, 382 (pianists only), and 368. Pianists are encouraged to choose large ensembles from both vocal and instrumental categories. Deviations in the selection of required ensembles must receive the written approval of the department head.

³Every General Music student is encouraged to participate in as many ensembles as possible, each for one credit hour, since practical experience of this kind will prove invaluable to the student in advancing one's ability on the primary instrument and overall musical development. Students must participate in eight semesters of ensembles: five large and three small. Large Vocal Ensembles are: MU 418 and 396. Large Instrumental Ensembles are (choose from at least two of the following): MU 392, 348, 393, 450, 479 and 332 (strings only). Small Vocal Ensembles are: MU 495, 452 and 362. Small Instrumental Ensembles are: MU 407, 346, 321, 382 (pianists only), and 368. Pianists are encouraged to choose large ensembles from both vocal and instrumental categories. Deviations in the selection of required ensembles must receive the written approval of the department head.

⁴Students may choose from MU 301, 302, 316, 317, 318 or PHS 350 to fulfill this requirement.

⁵For Instrumental Music Education: MU 360, 380, 381, 390, 391. Choose one additional course from: MU 260, 370, or 363.

⁶A non-music minor must be included in the 25 hours listed as electives.

Specific requirements, qualifications and procedures for assessment into the Teacher Education program leading to Alabama teacher licensure may be found under the Education Program Requirements section of the School of Education in this catalog.

APPLIED MUSIC COURSE DESCRIPTIONS

Courses in applied music include individual and class instruction in voice, piano, or band and orchestral instruments. The student may elect that area of individual instruction best adapted to his/her own individual needs. Class instruction is designed to cover all phases and activities of vocal and instrumental music to ensure that the student receives a practical and broad musical experience.

Music majors must pass an audition and be accepted to the department for the first course attempted in any primary applied music area, and performance examinations are given at the end of each semester. Non-music majors may take secondary applied with permission of the instructor. **All music majors must pass a piano proficiency examination (MU 299) before graduation.** This test will be administered by the piano faculty and must be passed before entering junior level applied study.

All students majoring in music will appear in recital performance. Specific degree requirements concerning recital performance may be obtained from the academic advisor. The academic advisor reserves the right to advise individual students to suit individual needs.

PERFORMANCE AND APPLIED MUSIC (MU) COURSE DESCRIPTIONS

Applied music courses are available to all university enrolled students regardless of major or minor. Entrance to each of the courses, however, is determined by a placement test prior to the student's registration to determine ability to study at the undergraduate level and requires permission of the individual instructor. Students enrolled in applied music courses will meet public performance recital requirements and end of semester music jury performance examinations as specified by the instructor.

113, 313 . Secondary Applied Music (2 each semester). These courses are available so that students, upon the approval of the instructor and the department head, may broaden their performance skills in a secondary area in addition to the primary area. Students needing additional skill development on a particular instrument may enroll in Secondary Applied Music in preparation for taking courses at the primary applied level. Each course may be repeated for a total of six (6) times.

134, 334. Primary Applied Music (2 each semester). *Prerequisite for MU 334: MU 134 (4 semesters) and MU 298.* For music majors and minors, upon approval of instructor. Primary Applied Music includes mastery of etudes (studies), significant music literature and improvisation. Public performance is a required component of the course. Each course may be repeated for a total of four (4) times.

Individual Voice. Training the solo voice with emphasis on vocal technique, song interpretation, and repertoire. Materials are drawn from the rich heritage of song literature from Elizabethan songwriters and early Italian masters to 21st century composers. Seminars in vocal repertoire and performance help students gain a fuller knowledge of and experience in the art of singing.

Individual Piano. The study of the piano involving scales (major, minor, and chromatic), arpeggios (major, minor, dominant sevenths, and diminished sevenths), transpositions, sight reading, and improvisations of melodies with accompaniment. Repertoire for piano, depending upon level, to be representative of all periods of musical history. Repertoire class is intended to increase the student's knowledge of piano literature and performance techniques.

Individual Flute. A graded selection of materials will be used to build technique and musicianship, including scales and arpeggio studies in various forms and etudes by Garibaldi, Andersen, Berginguiet, Moyses, Bozza, and others. Repertoire of all periods will be studied, including works by Bach, Handel, Vivaldi, Chaminade, Hindemith, Poulenc, Debussy, Mozart, and others.

Individual Oboe. Studies by Frerling, Barret, Andraud, and others. Repertoire of all historical periods, including Handel Sonatas and Concerti Grossi Nos. 8, 9, and 10; Schumann Romances, Op. 94; Marcello Concerto in C minor; Hindemith Sonata; Nielsen Fantasy Pieces, Op. 2; and others. Excerpts from orchestral and band repertoire.

Individual Clarinet. A graded selection of materials will be used to build technique and musicianship, including scales and arpeggio studies in various forms and etudes by Rose, Thurston, Bozza, Polatschek, Gambaro, Capelle, and others. Repertoire of all periods will be studied, including works by Stamitz, Bozza, Marty, Von Weber, Mozart, Brahms, Hindemith, Debussy, and others.

Individual Saxophone. A graded selection of materials will be used to build technique and musicianship, including scales and arpeggio studies in various forms and studies by Teal, Mule, Samie, Berbiquier, Terschak, Soussman, Boehm, Ferling, and others. Repertoire of all periods will be studied.

Individual Bassoon. Studies by Weissenborn, Jancourt, Oubradous, and others. Repertoire from all periods, including Mozart Concerto; transcriptions of Bach Cello Suites; Weber Concerto in F, Op. 75; Hindemith Sonata; Saint-Saens Sonata, Op. 168; Dunhill Lyric Suite, Op. 196; and others. Excerpts from standard orchestral and band literature.

Individual Trumpet or Cornet. Discussion and mastery of basic tone production skills, such as breath support, embouchure formation and articulation. Development in these areas will use studies by Stamp, Arban, Clarke, Schlossberg and others. Musical and technical development will be accomplished by preparing lyrical and technical etudes of Arban, Brandt, Charlier and others. Preparation of solo and ensemble pieces as well as orchestral excerpts, including works by Hindemith, Haydn, Hummel, Bozza and others. Familiarity with and proficiency performing on various keyed trumpets, including C trumpet, D/Eb trumpet and piccolo trumpet. Performance for student peers in studio class.

Individual French Horn. Tone and technic study, such as Pares Daily Exercise, Pattag Selected Studies, Alphonse studies, etc. Solos representative of the repertoire, such as those by Mozart, Cohen, and Busser. Muting and transposition techniques.

Individual Euphonium. A comprehensive study of manuscript and published material dealing with breath support and control, embouchure formation and development, tone production, articulation, and intonation. Methods and studies will be used for the development of musicianship and technique. The study of alto, tenor, bass, and treble clefs will be facilitated. Solo repertoire, both original and in transcription, of all periods will be studied. Excerpts from the standard band and orchestral literature will be studied as well.

Individual Trombone. A comprehensive study of manuscript and published material dealing with breath support and control, embouchure formation and development, tone production, articulation, and intonation. Methods and

studies for the development of musicianship and technique, single and double-rotor skills, facility in reading tenor and alto clefs by Arban, Ostrander, Rochut, Blume, Blazhevich, Kopprasch, and others. Solo repertoire, both original and in transcription, of all periods, including works by J. S. Bach, Wagenseil, Saint-Saens, Hindemith, Martin, Bozza, and others. Individual and ensemble study of excerpts from the standard orchestral literature.

Individual Tuba. A comprehensive study of manuscript and published material dealing with breath support and control, embouchure formation and development, tone production, articulation, and intonation. Methods and studies will be used for the development of musicianship and technique. Solo repertoire, both original and in transcription, of all periods will be studied. Excerpts from the standard band orchestral literature will be studied as well.

Individual Percussion. A comprehensive study of manuscript and published material dealing with coordination and dexterity, sound quality, rhythmic accuracy, intonation, and grip formation. Methods and studies will be used for the development of musicianship and technique on snare, timpani, keyboard percussion, and drum set. Solo repertoire, chamber works, and excerpts from standard band orchestral repertoire will be studied.

Individual Guitar. Study of the guitar focusing on technique, musicianship, and performance practices through scales, arpeggios, chord construction, transcription, sight reading, transposition, accompaniment, and improvisation. Repertoire selections to be determined by the level of the student and will represent multiple periods of musical history as well as contemporary styles and techniques.

300. Junior Recital (0). Junior Recital is designed to be taken concurrently during the sixth semester of primary applied music during which the junior recital is presented.

400. Senior Recital (0). *Corequisite: MU 435.* Senior Recital is designed to be taken concurrently with the eighth semester of applied music during which the senior recital is presented.

MUSIC THEORY AND LITERATURE (MU) COURSE DESCRIPTIONS

Majors are required to complete six semesters of MU 104, Concerts and Recitals, and minors are required to complete two semesters of MU 104. Requirements for this course for transfer students are determined by the department head based upon a review of the transcript.

101. Music Theory (3). *Prerequisite: Ability to read music (base and treble clefs). Corequisite: MU 111.* Music fundamentals, including written skills, keys, scales, intervals, triads, and elementary harmonic movement.

102. Music Theory (3). *A continuation of MU 101, a prerequisite. Corequisite: MU 112.* Includes knowledge of figured bass, non-harmonic tones and dominant seventh chords.

104. Concerts and Recitals (0 each semester). Applied students must attend a specified number of department-sponsored or off-campus concerts, recitals, or approved performances each semester. This course may be repeated for a total of six (6) times.

111. Aural Skills (1). *Prerequisite: Ability to read music (base and treble clefs). Corequisite: MU 101.* The development of musicianship skills, particularly through singing and aural dictation.

112. Aural Skills (1). *Prerequisite: MU 111. Corequisite: MU 102.* The development of musicianship skills, particularly through singing and aural dictation.

201. Music Theory (3). *Prerequisite: MU 102. Corequisite: MU 211.* The study of voice leading, secondary dominants, modulation, and small forms.

202. Music Theory (3). *A continuation of MU 201, a prerequisite. Corequisite: MU 212.* The study of advanced chromatic harmony and large forms.

203. History of American Jazz (3). A comprehensive, formalized study of American Jazz Masterpieces from 1900 to the present.

211. Aural Skills (1). *Prerequisite: MU 112. Corequisite: MU 201.* The development of musicianship skills, particularly through singing and aural dictation.

212. Aural Skills (1). *Prerequisite: MU 211. Corequisite: MU 202.* The continued development of musicianship skills, particularly through singing and aural dictation.

233. Introduction to Music (3). Music fundamentals, literature, and appreciation. (Meets Area II general studies requirement for majors other than music. Music majors and minors must take MU 237.)

236. Honors Introduction to Music (3). *Substitutes for MU 233.* Advanced study in basic music literature from pre-Baroque to present stressing development of recognition of various styles, genres, and musical forms through individualized listening activities.

237. Advanced Introduction to Music (3). *Prerequisites: Permission of instructor, ability to read musical notation. Substitutes for MU 233.* Advanced study in basic music literature from pre-Baroque to present, stressing development of recognition of various styles, genres and musical forms through individualized listening activities.

301. Music Theory (2). *Prerequisite: MU 202.* A study of the techniques and styles employed by art music composers since 1900. The course emphasizes learning how to listen to, appreciate, and interpret music written in the last hundred years.

302. **Music Theory (2).** *Prerequisite: MU 202.* The study of tonal counterpoint which pertains to the art of combining two or more independent musical lines to create a rhythmically and harmonically coherent musical fabric consistent with common practices of tonal composition.
306. **Music Education for Exceptional Children and Youth (3).** For the prospective K-12 music educator of general, choral or instrumental music. This course serves to provide the strategies, techniques and resources needed to effectively teach students of varying exceptionalities. Special focus will be placed on the necessary knowledge, skills and dispositions required for special needs teaching. Pertinent topics include the accommodation of or modification of music course content to best address the learning needs of students with disabilities. In addition, current legal issues, trends and topics in special education will be covered.
332. **Pre-College Piano Literature (2).** *Prerequisite: MU 214 or 234 (Applied Piano).* Study of literature that forms the basis of piano instruction at the elementary through intermediate levels from all music style periods.
399. **Study Tour (3).** Topics, excursions, and requirements determined by department. May be duplicated for credit; however, only three (3) credits may be applied toward any major or minor. Infrequently scheduled and subject to minimum and maximum numbers. Advance deposit required.
404. **Music Theory: Composition (3).** An introduction to the art of composition through analysis and application of contemporary techniques.
405. **Theory and Composition of American Jazz (3).** *Prerequisite: MU 401.* A comprehensive formalized study of American Jazz Masterpieces from 1900 to the present. Ear training, harmonic analysis, formal and structural considerations, composition, arranging.
409. **Opera Literature (3).** *Prerequisite: Permission of instructor.* A survey of the development of opera as a form with a detailed study of selected works.
411. **Music History and Literature (3).** *Prerequisite: MU 237.* A survey course correlating the development of music literature with the historical development of world culture from the early beginning of music to the Baroque period.
412. **Music History and Literature (3).** *Prerequisite: MU 237.* A continuation of MU 411 from the Baroque period to the present.
428. **Piano Literature (3).** *Prerequisite: MU 236.* A survey of piano repertoire from the early Baroque era through the Contemporary period.
438. **Percussion Literature (3).** A survey of percussion materials for the public school or college teacher. Literature for percussion and mallet instruments will be examined and discussed.
440. **Band Literature for Teachers (1).** A survey of current repertoire appropriate for various levels of developing instrumental groups.
441. **Choral Literature for Teachers (1).** A survey of choral repertoire from the Renaissance through the 21st century, including music appropriate for elementary, middle school and high school choirs. *Course offered spring semester of odd years only.*

PROFESSIONAL PREPARATION (MU) COURSE DESCRIPTIONS

150. **Technology in Music (1).** An introduction to basic software programs used in music applications, including musical notation and aural skills, as well as those found in educational settings.
169. **Basic Piano Skills (1).** Designed for music majors with minimal keyboard ability who are unable, through placement exam, to enter Class Piano Skills I (MU 170).
- 170, 171. **Class Piano (1) (1).** *Prerequisite: Successful completion of MU 169 or the MU 169 Piano Diagnostic Exam.* A sequence of two courses leading to the acquisition of basic keyboard skills through laboratory instruction. Completion of the sequence prepares the student to successfully complete the MU 299 Piano Proficiency Exam.
- 180, 181. **Class Piano Repertoire I and II (1) (1).** *Prerequisite: MU 299 or permission of instructor.* Designed to broaden the knowledge of piano literature for pianists.
183. **Jazz Piano (1).** Introduction and development of keyboard skills necessary to construct piano accompaniments in the jazz idiom using a progression of chord symbols or a lead sheet. Students will become familiar with standard jazz chord symbols; learn rootless, open, and modal voicing concepts; students will perform an improvised solo in the right hand while comping with the left on repertoire covered in class.
210. **Conducting (2).** *Prerequisites: MU 102 and 135 or equivalent.* Principles of interpretation and techniques of conducting are stressed through detailed study of selected compositions.
240. **Music Business Fundamentals (1).** An introduction to business fundamentals for music educators and commercial music practitioners.
244. **Introduction to Music Education (2).** An introduction to current issues in the teaching field of music, including a series of supervised in-school observational experiences.

253. **Opera Workshop (1).** Operatic techniques for the singer/actor: the cultivation, through study and performance of free, expressive and significant movement on stage, and the development of musical, dramatic and muscular sensitivity as the basis of good operatic theater.
260. **Class Guitar (1).** A beginning class introducing basic skills on the guitar, such as tuning, reading easy music, development of strummed and finger style accompaniments to songs, as well as basic vocabulary of chord positions.
298. **Mid-Degree Assessment Review (0).** An assessment of the student's progress and potential for successful completion of the degree requirements.
299. **Piano Proficiency (0).** An assessment tool to ensure acquisition of skills in the areas of keyboard technique, transposition, harmonization and repertoire. All music majors must pass a piano proficiency examination before graduation.
316. **Arranging and Orchestration (2).** *Prerequisite: MU 150 (Tech in Music).* A practical exploration of the techniques of writing and arranging music for instruments.
317. **Choral Arranging (2).** *Prerequisite: MU 150 (Tech in Music).* Arranging and writing choral music for a variety of choral combinations and sizes with emphasis on those found in school and community settings.
318. **Marching Band Techniques (2).** A study of various styles, including the formulation of drill and show writing for bands of varying sizes and abilities.
320. **Piano Pedagogy Fundamentals (2).** *Prerequisite: MU 113 or 134 (Applied Piano).* Fundamentals in forming a teaching philosophy, surveying methods for beginners, and organizing an independent studio (business and professional aspects).
350. **Advanced Technology (1).** An exploration of advanced music software programs, including digital audio workstations used in professional digital recording and MIDI realization studios, and an introduction to audio recording techniques and the fundamentals of building a personal home or professional studio.
360. **Class Voice I (1).** Introduces the art of singing, including breath control, pronunciation, use and care of the vocal instrument, and repertoire.
361. **Class Voice II (1).** *Prerequisite: MU 360.* Continues instruction in the art of singing, including breath control, pronunciation, use and care of the vocal instrument and repertoire.
363. **Class Voice Pedagogy (1).** A study of methods of vocal training with emphasis on vocal health and development for amateur and school-aged singers. *Course offered spring semester of even years only.*
365. **Diction I (1).** A study and practice of the phonetic sounds used in singing English and Italian languages. *Course offered in fall semester only.*
366. **Diction II (1).** *Prerequisite: MU 365.* A study and practice of the phonetic sounds used in singing French and German languages. *Course offered in spring semester only.*
367. **Diction III (1).** *Prerequisite: MU 366.* A performance application of phonetic articulation in English, French, Italian and German languages.
370. **Keyboard Harmony and Accompaniment (1).** *Prerequisite: MU 299.* A course designed to expand keyboard skills to include use of harmonic structures in accompaniments, sight reading, improvisation and simple repertoire.
371. **Keyboard Harmony and Accompaniment II (1).** *Prerequisite: MU 299.* A continuation of MU 370, designed to further keyboard skills and practical applications in accompaniments, sight reading, and repertoire.
378. **Instrumental Pedagogy Lab (1).** *Prerequisite: Permission of instructor.* Provides a laboratory experience for students to apply teaching concepts to practical situations. Normally taken in conjunction with either MU 380, 381 or 391.
379. **Vocal Pedagogy Lab (1).** *Prerequisite: Permission of instructor.* Provides a laboratory experience for students to apply teaching concepts to practical situations. Normally taken in conjunction with MU 363.
380. **Class Woodwinds (1).** Basic playing skills and teaching strategies of the flute, oboe, bassoon, clarinet and saxophone for the music educator.
381. **Class Brass (1).** Explores the rudiments of brass playing through practice on at least two different brass instruments. Basic concepts, such as breathing, embouchure and articulation, are discussed from a pedagogical standpoint, and students articulate their understanding of these concepts by conducting the class through exercise material.
384. **Beginning Band Foundations (1).** Instruction techniques for teaching beginning bands, including appropriate repertoire, methods, procedures, and scheduling.
385. **General Instrumental Techniques (1).** An introduction to basic performance skills in major instrumental families (brass, woodwind, percussion). Designed for music majors in vocal/choral concentration.
386. **Class Jazz (2).** A course for the study of jazz pedagogy. Students will listen and react critically to important jazz recordings, learn pertinent terms, observe jazz band directors and react to their teaching methods, identify jazz literature for public school performances, conduct college jazz band rehearsal(s), and be able to recognize, identify, and comment on relevant jazz styles throughout history.

390. **Class Strings (1).** Gives a practical understanding of how to teach an orchestral string instrument, including the basic principles of tone production, bowing technique, and establishing good playing practices.
391. **Class Percussion (1).** Introduces the fundamental techniques of percussion instruments for the music educator.
401. **Improvisation (1).** Involves the comprehension and application of improvisational skills for the beginning jazz instrumentalist. The class will consist of exploring the use of scales, modes, melodic patterns and common jazz motifs as well as the study of listening and performing.
402. **Advanced Improvisation (1).** *Prerequisite: MU 401.* A continuation of MU 401 focusing on the continued development of the improvisational skills.
415. **Advanced Brass Methods and Literature (3).** *Prerequisites: Upper division undergraduate or graduate standing, with permission of instructor.* A survey of brass teaching materials for the public school or college teacher. Methods, etudes, and special studies of each instrument will be examined and discussed. Available records and corollary readings will supplement class discussion.
416. **Jazz Arranging I (1).** Jazz arranging techniques for the rhythm section and various small group instrumental combinations of up to three horns (melodic voices). Emphasis on developing complete rhythm section sound (with or without winds) and advanced voicing techniques (including interval-based voicings, linear approach techniques, and constant structure).
417. **Jazz Arranging II (1).** *Prerequisite: MU 416.* A continuation of MU 416 focusing on the continued development of large jazz ensemble arranging skills and techniques.
421. **Individual Study in Music Composition I (1).** Individual instruction in techniques of musical composition.
422. **Individual Study in Music Composition II (1).** *Prerequisites: Satisfactory completion of MU 421 and permission of instructor.* Individual instruction in techniques of musical composition.
443. **Instrumental Conducting (3).** *Prerequisite: MU 210.* Training and experience in the techniques of instrumental conducting through the study of representative instrumental literature. Discussion of score preparation and rehearsal procedures. *Course is offered in spring semester only.*
444. **Choral Conducting (3).** *Prerequisite: MU 210; Corequisite: MU 418.* Training and experience in the techniques of choral conducting through the study of representative choral literature. Discussion of score preparation and rehearsal procedures. *Course is offered in fall semester only.*
453. **Opera Workshop (1).** Operatic techniques for the singer/actor: the cultivation, through study and performance of free, expressive and significant movement on stage, and the development of musical, dramatic and muscular sensitivity as the basis of good operatic theater.
455. **Practicum (2).** Directed and supervised experiences in observation and participation in music activities at various age levels. Allows student to observe and apply music teaching concepts to classroom situations. To be taken as a co-requisite with MU 482 or MU 483.
471. **Elementary Music Materials and Methods (3).** Methods, materials, and problems of teaching general music. Grades N-6. *Course is offered in spring semester only.*
482. **Secondary Instrumental Music Materials and Methods (3).** *Corequisite: MU 455.* Professional preparation of teachers of instrumental music, grades 7-12, with emphasis on appropriate theory, literature, teaching methods and organizational skills needed to teach in an effective public school instrumental music program. *Course is offered in fall semester only.*
483. **Secondary Vocal Music Materials and Methods (3).** *Corequisite: MU 455.* Professional preparation of teachers of vocal music, grades 7-12, with emphasis on theory, literature, teaching methods and organizational skills needed to teach in an effective public school choral program. *Course is offered in fall semester only.*
487. **Internship in Grades N-12 (9).** *Corequisite: MU 454.* Supervised classroom observation and student teaching in vocal and/or instrumental music in grades N-12. The education concentration candidate is required to take a minimum of 9 hours internship and should consult an academic advisor about scheduling.
489. **Capstone in Music Education (3).** Designed to encourage the student to reflect upon the process of training in music education and to deepen his/her understanding of aspects of the profession of teaching in music.
499. **Independent Study in Music (2).** *Permission of instructor required.* Provides the opportunity for an advanced student to pursue independent study and research on a specified topic in music under faculty direction. Course may be duplicated for credit for two (2) semesters for a total of four (4) semester hours.

MUSIC ENSEMBLES (MU) COURSE DESCRIPTIONS

Music majors must be enrolled in an ensemble approved by the major area every semester until minimum totals are reached; however, specific areas dictate or restrict which of these ensembles may be counted for credit toward the degree. Only one ensemble per semester will count toward the required minimum. Students should consult the music advisor for specific information regarding which ensembles count toward the minimum total. Students are urged to take no more than two ensembles per semester. No student may participate in any ensemble for which he or she is not duly and properly registered.

132, 332. **Orchestra (1)**. Each number may be duplicated for credit for a total of four (4) semester hours.

138, 338. **Gospel Choir (1)**. Each number may be duplicated for credit for a total of four (4) semester hours.

146, 346. **Chamber Music Ensemble (1)**. Each number may be duplicated for credit for a total of four (4) semester hours.

148, 348. **Wind Ensemble (1)**. Each number may be duplicated for credit for a total of four (4) semester hours.

162, 362. **Chamber Singers (1)**. Each number may be duplicated for credit for a total of four (4) semester hours.

168, 368. **Percussion Ensemble (1)**. Each number may be duplicated for credit for a total of four (4) semester hours.

182, 382. **Accompanying (1)**. Each number may be duplicated for credit for a total of four (4) semester hours.

188, 388. **Applied Ensemble (1)**. Each number may be duplicated for credit for a total of four (4) semester hours.

192, 392. **Marching Southerners (1)**. Each number may be duplicated for credit for a total of four (4) semester hours.

193, 393. **Chamber Winds (1)**. Each number may be duplicated for credit for a total of four (4) semester hours.

196, 396. **Chorus (1)**. Each number may be duplicated for credit for a total of four (4) semester hours.

198, 398. **Marching Ballerinas (1)**. Each number may be duplicated for credit for a total of four (4) semester hours.

207, 407. **Jazz Combo (1)**. Each number may be duplicated for credit for a total of four (4) semester hours.

218, 418. **A Cappella Choir (1)**. Each number may be duplicated for credit for a total of four (4) semester hours.

250, 450. **Symphonic Band (1)**. Each number may be duplicated for credit for a total of four (4) semester hours.

252, 452. **Lyric Theatre Workshop (1)**. Each number may be duplicated for credit for a total of eight (8) semester hours.

279, 479. **Jazz Ensemble (1)**. Each number may be duplicated for credit for a total of four (4) semester hours.

295, 495. **Show Choir (1)**. Each number may be duplicated for credit for a total of four (4) semester hours.

UNIVERSITY HONORS (UH) COURSE DESCRIPTIONS

101. Honors Lecture (1). This course is an open forum for the discussion of ideas and submission of reflective papers and/or service learning projects. The topic of the course will vary each semester (service learning, education reform, poverty, tax reform, etc.). May be repeated for a total of two credit hours. Pass/Fail.

201. Forum (1). Students enrolled in this course will be required to attend a certain number of campus events (pre-approved by Honors) and discuss and submit reflective papers for each event. May be repeated for a total of two credit hours. Pass/Fail.

202. Book Club (1). Students enrolled in this course will perform assigned readings and actively participate in class discussions. May be repeated for a total of two (2) credits. Pass/Fail.

399. Honors Study/Travel (1 to 3). Topics, excursions, and requirements determined by the Honors Program. May be duplicated for credit. Subject to minimum and maximum numbers. Advance deposit required.

SCHOOL OF BUSINESS AND INDUSTRY

Dean: William T. Fielding

Accredited by AACSB International

The Association to Advance Collegiate Schools of Business

MISSION STATEMENT

The mission of the School of Business and Industry (SBI) is to educate a diverse undergraduate and graduate student body for successful employment and professional careers in a competitive global environment, to be productive and ethical citizens, and to be prepared for advanced studies, as well as lifelong learning.

The SBI carries out its mission through its commitment to the following four core values:

Teaching

We seek to provide our students with a learning-centered environment through which they become literate, articulate, and broadly educated individuals, who are knowledgeable in fundamental economic principles, the business disciplines, and the impact of global forces on domestic affairs. The curricula prepare baccalaureate and MBA graduates to be literate with information technology, ethically and globally aware, as well as analytical decision-makers who possess fully developed oral, written, and interpersonal communication skills. Graduates should be able to adapt to rapidly changing technologies, and to adapt to a diverse work-place environment. The faculty seek to be recognized as excellent teachers and scholars, dedicated first and foremost to the development of students, through quality teaching, advising, and mentoring.

Intellectual Contributions

The SBI values basic research, applied research, and instructional development activities of the faculty, with primary focus on applied scholarship (contribution to practice) and instructional development (learning and pedagogical research). The faculty believe that teaching and scholarly activity are interdependent and that research enhances faculty effectiveness in the classroom and provides students with state-of-the-art business knowledge.

External Interaction

The SBI seeks to take a leadership role in the economic development of the State of Alabama, specifically its Northeast region. The SBI promotes excellence in service activities consistent with academic and professional strengths of faculty and staff. Faculty and staff are expected to be a resource for the economic development of the State and region by extending their knowledge, skills, and values to society. Interaction with external constituents is fostered through a variety of efforts to include the Center for Economic Development, the Center for Economic Education, the Environmental Policy and Information Center, guest speakers, executives-in-residence, and advising groups.

Continuous Improvement

The School strives to provide quality undergraduate and graduate management education through traditional, as well as distance, delivery. The faculty, staff, and administration of the SBI are committed to continuously improving the quality of our academic programs, our student support activities, and our service to the local and regional community.

From these **core values**, the School has derived the following guiding principles:

GUIDING PRINCIPLES

- *Emphasize effective teaching in an environment with ample opportunities for academic and professional engagement through interaction of students and faculty with the business community;*
- *Create a student-centered educational environment, including a small-class atmosphere, and a caring faculty;*
- *Employ a strong faculty recognized for teaching and producing high quality scholarship;*
- *Build a student body focused on ethical development, integrity, an entrepreneurial spirit, social responsibility, and sustainability;*
- *Emphasize the importance of input from business practitioners, alumni, students, and community leaders to enhance the School's programs;*
- *Emphasize the importance of strong academic programs, student support activities, and service to the community;*
- *Reinforce the importance of quality, efficiency, and innovative ideas;*
- *Support sustainability of the community, region, and State.*

VISION STATEMENT

The School aspires to be recognized as one of the premier public regional undergraduate schools of business in the Southeast.

PROGRAMS OF STUDY

This School offers the 120 hour Bachelor of Science degree with business majors in the following areas of study: Accounting, Business Economics, Finance, Management (concentrations are available in Entrepreneurship, Human Resource Management, and Information Management/E-Commerce), and Marketing. Also, a 120-hour Bachelor of Arts degree with a major in Economics and approved minor which, among others, may include Urban Economics/Real Estate Development as an option. A major in Economics with a concentration in International Business is also available. The SBI offers minors in accounting, business economics, finance, business administration, information management/ecommerce, international business, management, marketing, and urban economics/real estate development.

Other programs offered by the SBI include the Bachelor of Science degree in Applied Engineering with the following majors: Applied Manufacturing Engineering (Design and Automation or Manufacturing Management), Applied Electronics Engineering, Industrial Leadership, and Occupational Safety and Health Management. The department also offers a variety of minors to benefit students majoring in other fields. Minors in Applied Electronics Engineering, Design and Automation, Manufacturing Management, and Occupational Safety and Health Management are available. The two-year **Pre-Engineering program** offers a curriculum that will permit the majority of students to transfer with junior standing to most undergraduate engineering programs at other colleges and universities.

A Bachelor of Arts degree in Communication, as well as a minor in Communications, is available through the School of Business and Industry.

UPPER DIVISION ADMISSION POLICY FOR BUSINESS MAJORS

In addition to meeting the general admission requirements of the University, students wishing to pursue a business degree from the School of Business and Industry must adhere to the following:

1. All Bachelor of Science students enrolling in the School will list their major as "Undecided-MGMT" until the completion of all lower division (freshman and sophomore) courses. Upon completion of these 60 hours with a GPA of 2.00 or higher, students will be reclassified to one of the five business degree majors (accounting, business economics, finance, management, or marketing).
2. While taking lower division courses, all students should schedule English composition and math courses each semester until such courses requirements are completed.

3. SBI students who complete the 60 hours of lower division courses without attaining a 2.00 GPA will be required to repeat courses in order to bring the GPA up to the required 2.00. For the purposes of calculating the lower division GPA, only the highest grade for repeated courses will be included. Students not meeting the conditions to be reclassified will have one semester to bring the GPA up to the required 2.00. During this one semester, students will be allowed to continue in only nine (9) hours of SBI core courses selected from the following upper division courses: FIN 301; EC 303, 321, or 322; MKT 301; MGT 301; CBA 350, 396, and IME 375 (all prerequisites must be adhered to). Students who attempt to enroll in classes without appropriate prerequisites will be dropped from these classes.
4. Students who begin their program at JSU will follow the program of study outlined in the JSU catalog that is current at the time they initially enroll. However, if at some later date a student wishes to change to a more recent catalog, this is permissible. Students electing to change to a more recent catalog will need to satisfy all requirements of the selected catalog. See appropriate section of the university catalog for Catalog Requirements and Time Limits.
5. Students transferring from any two-year college or other four-year institution must abide by all rules and regulations as specified in the appropriate JSU catalog relative to their admission, both into the university as well as into the School of Business and Industry. Transfer students also have the right to move to a more current catalog, if desired.
6. Students planning to transfer from other junior or senior level colleges should consult with the Student Support Services Coordinator in the School of Business and Industry for information relative to degree requirements.

ADVISING POLICY

The School of Business and Industry maintains an Advising Center (School of Business & Industry Complex (SBIC)) in which all freshman and sophomore students entering one of the business majors are advised. In addition, all first-time transfer business students are advised in the Center. Juniors and seniors who have completed all lower division courses with the appropriate GPA and have been reclassified into one of the school's five business majors are advised by a faculty member from that major. Advisor assignments are made at the time of reclassification into the major.

Students enrolling in Applied Engineering are advised in the departmental office for that major (153 AYERS HALL).

Students enrolling in the Communication program are advised in the departmental office for that major (217 SELF HALL).

COURSE TRANSFER POLICY FOR BUSINESS MAJORS

Business students transferring to JSU from other accredited institutions must satisfy specified course and GPA requirements prior to eligibility for upper division courses. Also, business students may transfer into JSU from another institution no more than 50 percent of the business credit hours required for the business degree (SBI core plus major requirements). Transfer credits for 300/400 level business courses will be accepted only from AACSB-International accredited schools. This applies only to courses that are approved for transfer once a student has enrolled as a business student at Jacksonville State University and not to credits that have been completed at another institution prior to enrolling in JSU's business program. See appropriate section of the university catalog for Transfer Student Admissions.

SBI BUSINESS CORE REQUIREMENTS

The following courses are included in the SBI core: CBA 115, 350, 390, 396, 469; ACC 200, 210; CS 201; ST 260, 261; FIN 292, 301; EC 221, 222, 303 or 321 or 322; MKT 301; MGT 301, 305; and IME 375. A student must earn a minimum "C" average (2.00 GPA) in SBI core subjects and SBI core subjects taken in residence.

GRADE REQUIREMENTS FOR MAJOR AND MINOR COURSES

The student must earn a grade of at least a "C" in all major and minor courses required for degree completion.

SBI GRADUATION REQUIREMENTS

In addition to successfully completing all course requirements for the major, students graduating with a degree from the School of Business and Industry must meet all requirements listed below for graduation:

1. Attain an overall GPA of 2.00 or higher on all courses attempted.
2. Attain a GPA of 2.00 or higher on all courses attempted at JSU.
- *3. Attain a GPA of 2.00 or higher on all SBI core courses (See SBI Core Requirements above).
- *4. Attain a GPA of 2.00 or higher on all SBI core courses at JSU.
5. Earn a passing score on the English Competency Exam (ECE). Business students should then submit an Application for Degree to the Student Support Services Coordinator in the SBI Advising Center, Room 109 SBIC. Applied Engineering and Communication students should check with their departmental offices regarding their submission of the Application for Degree.
6. Complete the university approved Exit Exam. This is an assessment of students' accomplishments in general education and also measures reasoning skills.
- *7. Complete the Major Field Assessment Business Test. This is an assessment tool that is used to measure students' understanding of the basic business subject areas to include: accounting, economics, management, quantitative business analysis, finance, marketing, legal and social environment, and international studies.

Students are encouraged to incorporate internships and practical field experiences in their degree plans. These field experiences may or may not be credit bearing, but are considered integral to the learning process. Students should consult their academic advisors for prior approval and guidance.

*For students pursuing a business major.

ELIGIBILITY OF BUSINESS MAJORS TO UPPER DIVISION SBI COURSES

In order to enroll in upper division (300 and 400 level) SBI courses, business students must have completed at least 50 semester hours to include: ACC 200, 210; EC 221, 222; MS 112, and ST 260, 261. Students who are enrolled in ACC 210, EC 222 (having completed EC 221), and/or ST 261 may request special permission to enroll simultaneously in upper division SBI core courses. This permission, if granted, will be allowed only once per student; failure to successfully complete prerequisite courses will result in the student not being allowed to enroll in additional SBI core courses until such prerequisite course(s) have been successfully completed. In order to enroll in major courses, students must have completed all requirements for the upper division eligibility and be reclassified from "Undecided-MGMT."

ELIGIBILITY OF NON-BUSINESS MAJORS TO UPPER DIVISION SBI COURSES

Non-business majors having completed at least 50 semester hours may be eligible for upper division courses if they have met all prerequisites for each course. Others may be admitted only with the written permission of the appropriate department head.

NOTE: FIN 311, FIN 341, 343, and 344 are exceptions to the requirements stated above; these courses are open to all students. FIN 343 and 344 require FIN 341 as a prerequisite.

BACHELOR OF SCIENCE DEGREE LOWER DIVISION BUSINESS PROGRAM

FRESHMAN YEAR

Fall	Spring
EH Comp 101.....3	EH Comp 1023
Science ¹4	Science ¹4
MS 112 Precalculus Algebra3	ST 260 St/QM I3
HY ³3	Fine Arts and Humanities ²3
CBA 115 Business Fund/Orientation3	
STU 101 First Year Experience0	
16	13

SOPHOMORE YEAR

Fall	Spring
Literature ⁴3	Literature ⁴3
ST 261 St/QM II3	PSY 201, SY 221, or AN 224 ⁵3
FIN 292 Leg and Soc. Environment.....3	EC 222 Principles of Macro Econ.....3
EC 221 Principles of Micro Economics3	ACC 210 Principles of Mgr Acc3
ACC 200 Principles of Fin Accounting3	CS 201 Intro to Info Tech or CS 230 Fund of Comp3
15	15

¹Eight credits of science, with corresponding labs, are required. Select from the following: BY 101, 102; CY 105, 106; GL 241, 242; PHS 201, 202; GY 250, 251.

²Students must select from the following classes: Art 202, DR 242, MU 233, SH 101, or FH 101.

³Students must take HY 101 and 102 or 201 and 202. (Note: Students may take a second literature course in lieu of a second history course.)

⁴Students must select from the following literature classes: EH 201 and 202, or 203 and 204, or 219 and 220, or 231 and 232. (Note: Students may take a second history course in lieu of a second literature course.)

⁵Students may use any of the three options to satisfy this requirement; however, PSY 201 is preferred.

**BACHELOR OF SCIENCE DEGREE
UPPER DIVISION PROGRAM REQUIREMENTS
ACCOUNTING, BUSINESS ECONOMICS, FINANCE,
MANAGEMENT, MARKETING MAJORS**

ACCOUNTING

JUNIOR YEAR

Fall	Spring
ACC 301 Acc Info Systems3	ACC 360 Financial Acc II.....3
ACC 310 Financial Acc I3	MGT 305 Org Behavior3
CS 305 Spreadsheet Modeling3	MKT 301 Principles of Mkt3
EH 141 Oral Communication.....3	CBA 350 Business Communication.....3
MGT 301 Principles of Mgt3	CBA 390 Operations Mgt.....3
FIN 301 Business Finance3	
18	15

SENIOR YEAR

Fall	Spring
ACC 372 Income Tax3	ACC 371 Cost Accounting.....3
ACC 477 Auditing3	ACC Elective3
EC 303, 321, or 3223	CBA 469 Business Policy3
IME 375 Intro to E-Commerce3	ACC Elective3
CBA 396 Int'l Business3	General Elective1
15	13

CPA EXAMINATION REQUIREMENTS

To be eligible for an initial sitting for the uniform written Certified Public Accountant Examination in Alabama, a person must have completed a total of 120 semester hours of postsecondary education, including a baccalaureate degree at an accredited college or university. This education must include a major /concentration in accounting. Details of the requirements may be found at: <http://www.alabamaadministrativecode.state.al.us/docs/acc/30-X-4.pdf>.

Students who desire to be a CPA in Alabama should consult with the associate dean/MBA director for assistance in planning a course of study that includes the appropriate additional undergraduate or graduate coursework.

BUSINESS ECONOMICS

JUNIOR YEAR

Fall	Spring
EC 321 Intermediate Micro.....3	EC 322 Intermediate Macro.....3
EH 141 Oral Communication.....3	EC Elective ¹3
MGT 301 Principles of Management.....3	FIN 301 Business Finance3
MKT 301 Principles of Marketing3	CBA 390 Operations Mgt.....3
CBA 396 Int'l Business3	MGT 305 Org Behavior3
	CBA 350 Business Communication.....3
15	18

SENIOR YEAR

Fall	Spring
EC Electives ¹3	EC 463 Seminar3
EC 303 Money and Banking3	EC Electives3
General Electives ²4	CBA 469 Bus Policy3
IME 375 Intro to E-Commerce3	EC 450 Int'l Economics3
	General Electives3
13	15

¹Six credits of economics electives may be taken from finance courses numbered 300 or above.

**FINANCE
JUNIOR YEAR**

Fall	Spring
CBA 396 Int'l Bus3	FIN 441 Fin Mgt3
FIN 301 Bus Finance3	FIN Elective3
MGT 301 Principles of Mgt.....3	MKT 301 Principles of Mkt3
IME 375 Intro to E-Commerce3	MGT 305 Org Behavior3
EH 141 Oral Communication.....3	CBA 390 Operations Mgt.....3
	EC 303, 321, or 3223
15	18

SENIOR YEAR

Fall	Spring
FIN Elective3	FIN 434 Int'l Fin3
FIN 474 Invest3	FIN Elective3
FIN 475 Adv Topics.....3	FIN 481 Seminar.....3
General Electives ¹4	CBA 469 Bus Policy3
CBA 350 Business Communication.....3	
16	12

MANAGEMENT

JUNIOR YEAR

Fall	Spring
EH 141 Oral Communication.....3	MGT 372 Dynamics of Org3
CBA 396 Int'l Business3	MGT 305 Org Behavior3
FIN 301 Business Finance3	EC 303, 321, or 3223
MGT 301 Principles of Mgt3	CBA 390 Operations Mgt.....3
MKT 301 Principles of Marketing3	MGT 385 Hum Resource Mgt3
15	15

SENIOR YEAR

Fall	Spring
MGT Electives6	CBA 469 Bus Policy3
IME 375 Intro to E-Commerce3	MGT 491 Seminar3
CBA 350 Business Communication3	MGT Elective6
General Elective3	General Elective4
15	16

**MAJOR: MANAGEMENT WITH CONCENTRATION IN
ENTREPRENEURSHIP**

Students interested in the Bachelor of Science degree with a major in management and a concentration in entrepreneurship must complete MGT 330–Entrepreneurship, FIN 310–Entrepreneurial Finance, CBA 487–Seminar in Entrepreneurial Finance or CBA 488–Small Business Experience, and three (3) hours of MGT electives.

**MAJOR: MANAGEMENT WITH CONCENTRATION IN
HUMAN RESOURCE MANAGEMENT**

Students interested in the Bachelor of Science degree with a major in management and a concentration in human resource management may select their nine (9) hours of MGT electives from the following five courses: MGT 389–Advanced Human Resource Management, MGT 422–Seminar in Human Resource Management, MGT 468–Compensation Management, MGT 489–Management Internship, and MGT 490–Collective Bargaining.

**MAJOR: MANAGEMENT WITH CONCENTRATION IN
INFORMATION MANAGEMENT/E-COMMERCE**

Students interested in the Bachelor of Science degree with a major in management and a concentration in information management/E-Commerce may select nine (9) hours of IME electives from the following five courses: IME 380-Project Management, IME 420-Virtual Enterprises, IME 450-E-Commerce Information Management, IME 451-E-Commerce Applications, and CS 305-Spreadsheet Modeling.

MARKETING

JUNIOR YEAR

Fall	Spring
EH 141 Oral Communication3	MKT 378 Consumer Behavior3
CBA 396 Int'l Business3	MKT Elective3
FIN 301 Bus Fin3	MGT 305 Org Behavior3
MGT 301 Principles of Mgt.....3	CBA 350 Bus Communication3
MKT 301 Principles of Marketing3	EC 303, 321, or 3223
	CBA 390 Operations Mgt.....3
15	18

SENIOR YEAR

Fall	Spring
MKT 361 Sales/Sales Force Mgmt.....3	CBA 469 Bus Policy3
MKT 395 Bus-to-Bus Marketing3	MKT 495 Marketing Mgt.....3
MKT Elective3	MKT 497 Marketing Research3
General Elective4	MKT 488 Adv and Promotion3
IME 375 Intro to E-Commerce3	
16	12

MINORS

Minors in business related areas are not available as part of the regular 120 hour degree program to students earning a Bachelor of Science degree in accounting, business economics, finance, management, or marketing. At least six (6) credits toward completion of a minor must be taken at JSU. **All course prerequisites stated in the course descriptions in this catalog must be met.**

A minor in Accounting consists of at least 18 hours of accounting courses, including ACC 200, 210, 301, 310, 372, and three additional hours of 300-400 level accounting courses.

A minor in Business Administration consists of at least 25 hours, including ACC 200, ACC 210, FIN 292, FIN 301, MGT 301, 305, MKT 301, and ST 260. This minor is not open to business majors; the BA in economics is the only exception to this policy.

A minor in Business Economics consists of at least 18 hours of economics classes, including EC 221, 222, 303, 321, 322 and three additional hours of 300-400 level economics electives.

A minor in Entrepreneurship consists of at least 18 hours, including FIN 292, FIN 310, MKT 301, MGT 330, IME 375, and either CBA 487 or CBA 488.

A minor in Finance consists of at least 18 hours of finance courses, including FIN 301, 441, 474 and nine additional hours of 300-400 level finance electives.

A minor in Information Management/E-Commerce consists of at least 18 hours, including IME 375, IME 475, EC 475, MGT 301, CS 400, and one of the following: FIN 300, MKT 301, or MGT 330.

A minor in International Business consists of at least 21 hours, including CBA 396, FIN 301, FIN 434, MKT 493 (requires MKT 301 as a prerequisite)¹, EC 450 (requires EC 221, 222 as prerequisites)¹, three hours of a foreign language, and either PSC 305 or PSC 432.

A minor in Management consists of at least 18 hours of management courses, including MGT 301, 305, 385, 468 or 490, and six additional hours of 300-400 level management electives.

A minor in Marketing consists of at least 18 hours of marketing courses, including MKT 301, 361, 378, 395, 495 and three additional hours of marketing electives.

A minor in Urban Economics/Real Estate Development consists of at least 24 hours, including FIN 341, 343, 344, 440 (requires FIN 301 as a prerequisite, and FIN 301 requires ACC 200 as a prerequisite)¹, EC 471 (requires EC 221, 222 as prerequisites), MKT 301, 394, and GY 341.

¹This information is provided since these prerequisite courses are in addition to the actual requirements for the minor.

**BACHELOR OF ARTS
MAJOR: ECONOMICS WITH APPROVED MINOR**

FRESHMAN YEAR

Fall	Spring
EH Comp 1013	EH Comp 1023
Science ¹4	Science ¹4
MS 112 Precalculus Algebra3	ST 260 ST/QM I3
Fine Arts and Humanities ⁵3	Social/Behavioral Science ⁴3
HY ²3	
16	13

SOPHOMORE YEAR

Fall	Spring
EC 221 Prin of Micro Econ3	Literature ³3
Literature ³3	EC 222 Prin of Macro Econ3
General Electives3	Minor Course3
Minor Course3	CS 201 Intro to Info Tech3
	Social/Behavioral Science ⁴3
12	15

JUNIOR YEAR

Fall	Spring
Economics Electives6	EC 321 Intermediate Micro.....3
Minor Course.....3	Economics Electives3
General Elective3	Minor Course3
EH 141 Oral Communication3	General Electives7
EC 303 Money and Banking3	
18	16

SENIOR YEAR

Fall	Spring
EC 322 Intermediate Macro3	EC 450 International Economics3
Economics Electives3	Minor Course3
EC 310 Public Finance3	General Electives Minor Course3
Minor Course.....5	(or minor courses, if needed) ⁶4
General Elective3	
17	13

¹Two semesters of science with corresponding labs are required. Select from the following: BY 101, 102; CY 105, 106; GL 241, 242; PHS 201, 202; GY 250, 251.

²Students must select from HY 101 and 102, or 201 and 202. (Students may take a second literature course in lieu of a second history course.)

³Literature—Select from the following: EH 201 and 202, 203 and 204, 219 and 220, or 231 and 232. (Students may take a second history course in lieu of a second literature course.)

⁴Social and Behavioral Science—Select from the following: AN 224, GY 120, PSC 100, PSY 201, SY 221.

⁵Fine Arts and Humanities—Select from the following: ART 202, DR 242, MU 233, SH 101, FH 101.

⁶Of the total hours, 52 must be numbered 300 or above.

**MAJOR: ECONOMICS WITH CONCENTRATION IN
INTERNATIONAL BUSINESS AND APPROVED MINOR**

Students interested in the Bachelor of Arts degree with a major in economics and a concentration in international business may substitute 12 hours of economics electives with the following 12 hours: CBA 396-International Business, FIN 434-International Finance (requires FIN 301 as a prerequisite), MKT 493-International Marketing (requires MKT 301 as a prerequisite), and PSC 305-Comparative and International Politics or PSC 432-International Relations.

**MAJOR: ECONOMICS WITH MINOR IN URBAN
ECONOMICS/REAL ESTATE DEVELOPMENT**

Students interested in the Bachelor of Arts degree with a major in economics and a minor in urban economics/real estate development may substitute 24 hours of minor courses/electives with the following 24 hours: FIN 341-Principles of Real Estate, FIN 343-Real Estate Appraisal, FIN-344 Legal Aspects of Real Estate, FIN 440-Real Estate Finance/Development (requires FIN 301 as a prerequisite, and FIN 301 requires ACC 200 as a prerequisite), EC 471-Urban Economics (requires EC 221, 222 as prerequisites), MKT 301-Principles of Marketing, MKT 394-Retailing, and GY 341-Economic Geography.

**GENERAL BUSINESS (CBA)
COURSE DESCRIPTIONS**

115. Business Fundamentals/Orientation (3). Course provides a general overview of the various functional business operations with an emphasis on the role of the enterprise within modern society.

Courses listed below require, in addition to stated prerequisites, ACC 200, 210, EC 221, 222, MS 112, and ST 260, 261.

- 300. American Business Enterprise (3)** *Prerequisites: EC 221 and 222.* Examines the evolution of business activity in America, including large industrial enterprises, monopolies, financial institutions, and the rise of the internet and service economies. Scheduled on demand.
- 350. Business Communications (3).** *Prerequisite: EH 101, 102, 141 and junior standing.* Principles, procedures, and skills underlying oral and written communications in the field of business.
- 390. Operations Management (3).** *Prerequisites: MGT 301 and ST 261.* Concepts and techniques for operational decision-making regarding the conversion of inputs to goods and services within business organizations. This course stresses the application of management principles and the utilization of quantitative methods in both the manufacturing and service sectors. (Formerly MGT 390)
- 396. International Business (3).** *Prerequisite: Junior standing.* Study of the nature and scope of international business, including the basic problems associated with international trade, payments, investment, and cultural differences.
- 399. Study Abroad (3).** *Prerequisite: Junior standing and consent of instructor and Department Head.* Students will travel to a foreign country to participate in an academic program provided by a university located in that country. Students will study business practices common to the particular country being visited. Cultural similarities and differences will also be a focus of the trip.
- 469. Business Policy and Strategy (3).** *Prerequisites: Senior standing and completion of all 200-300 level SBI core courses.* Focuses on the formulation and implementation of business strategy and establishment and maintenance of an efficient organization.
- 487. Seminar in Entrepreneurial Service Learning (3).** *Prerequisite: Junior standing and consent of instructor.* Supervised practical application of the principles of entrepreneurship and free enterprise. Students will create, organize, and execute projects in the local and regional communities, which should serve to enhance their team building and communication skills. The course offers opportunities for networking with community and business leaders and is open to all majors. Provides an excellent opportunity for students to engage in and benefit from service-learning.
- 488. Small Business Experience (3).** *Prerequisites: Senior status and completion of all 200-300 level SBI core courses.* An integrating management course that focuses on the special problems and skills related to starting, maintaining and expanding small business in a dynamic environment.

DEPARTMENT OF FINANCE, ECONOMICS AND ACCOUNTING

214 MERRILL HALL

Department Head: William A. Scroggins, Jr.

FINANCE FACULTY

Professor: Clayton, Schmidt, Scroggins

Associate Professor: Hardy, Landry

Assistant Professor: Boozer

ECONOMICS FACULTY

Professor: Fielding, Bennett, McCarty, Carter

Assistant Professor: Hankins

ACCOUNTING FACULTY

Professor: C. Sneed, J. Sneed, Zanzig

Assistant Professor: Collum

Instructor: Staples

STATISTICS FACULTY

Professor: Clark

Associate Professor: Lowe

Instructor: Turley

FINANCE (FIN)

COURSE DESCRIPTIONS

292. Legal and Social Environment (3). Examination of current problems and issues facing managers in a changing society. Explores business, government and interest-group interrelationships. Extensive examination of ethical considerations in business. (Formerly CBA 292-Business and Society). May not be taken for credit if student has completed CBA 292, Business and Society.

Courses listed below, with the exception of FIN 310, 311, 341, 343 and 344, require, in addition to stated prerequisites, ACC 200, 210, EC 221, 222, MS 112, and ST 260, 261.

300. Business Law (3). Legal principles related to Uniform Commercial Code; contracts and personal property and bailments; the law of sales; commercial paper; and secured transactions.

301. Business Finance (3). *Prerequisite: Junior standing.* A survey of business finance. Coverage of the basic financial decisions, including investment, financing, and dividend.

310. Entrepreneurial Finance (3). This course introduces the financial concepts, tools, and principles utilized by the entrepreneur to initiate, build, and develop a successful entrepreneurial venture. This course also examines the sources of financing necessary to initiate and develop the venture. Additional topics include proforma financial statement development; business valuation models; cash flow analysis; and raising capital from private investors, venture capitalists, and banks.

311. Personal Financial Planning (3). Personal financial planning, including time buying, insurance, housing, investments, budgeting, use of financial institutions, and taxes.

341. Principles of Real Estate (3). Real estate ownership interest, legal processes, financing instruments and institutions, consideration of subdividing and zoning, federal housing litigation, and taxation.

343. Real Estate Appraisal (3). *Prerequisite: FIN 341.* Analysis of sites and buildings; collection, analysis interpretation of cost and market data; depreciation, capitalization; correlation of value factors; writing of appraisal reports.

344. Legal Aspects of Real Estate (3). *Prerequisite: FIN 341.* Estates in land, purchase and sales contracts, conveyances, mortgages and trust deed transactions, property taxes, landlord and tenant, wills and inheritance.

361. Bank Management (3). *Prerequisite: FIN 301.* The commercial bank as a business enterprise; principles of organization and operation; regulatory framework; and problems of competition and growth.

397. Financial Institutions and Markets (3). *Prerequisite: FIN 301.* Analysis of the operating policies of financial institutions and the effect upon the structure of the capital and money markets.

410. Wills, Estates, and Trusts (3). A study of the basic legal and financial principles and practices involved in the planning and administration of wills, estates, and trusts.

434. **International Finance (3).** *Prerequisite: FIN 301.* Problems in foreign operations and other aspects of multi-national business; the role of international money and capital markets; financing trade and economic development.
440. **Real Estate Finance (3).** *Prerequisite: FIN 301.* Institutions, instruments and mortgage banking practices. Emphasis on analyzing mortgage risks, loan terms and rates, servicing, foreclosure, sources of mortgage credit and government influences.
441. **Financial Management (3).** *Prerequisite: FIN 301.* A study of financial decision making. Profit planning, financing strategies, financial analysis and ethical questions are emphasized.
474. **Investments (3).** *Prerequisite: FIN 301.* A survey of investment principles and practices. Emphasis is given to security analysis and portfolio management, with special attention focused on the individual investor.
475. **Advanced Topics in Finance (3).** *Prerequisite: FIN 441.* Application of financial management techniques to capital structure policy, dividend policy, financing decisions, working capital management and corporate restructuring.
481. **Seminar in Finance (3).** *Prerequisite: Should be taken in senior year and after the completion of FIN 441.* Financial theories and problems involving investment, financing, and dividend decisions.
486. **Independent Research in Finance (3).** *Prerequisite: Permission of the department head.* Research will be conducted in an area of "special interest" documented by a thesis-styled research paper.
489. **Finance Internship (3).** *Prerequisites: Junior standing and the approval of the finance department head.* Provides the finance major with practical experience in the field via an internship arrangement. (Pass/Fail grade only).

The following courses may be used to satisfy up to six credits of elective requirements for the finance major. All prerequisites must be met.

- Accounting 371--Cost Accounting (3).** *Prerequisite: ACC 210.* For course description, see ACC 371.
- CBA 300--American Business Enterprise (3).** *Prerequisites: EC 221, 222.* For course description, see CBA 300.
- Economics 316--Managerial Economics (3).** *Prerequisites: EC 221, 222.* For course description, see EC 316.
- Economics 321--Intermediate Microeconomics (3).** *Prerequisites: EC 221, 222.* For course description, see EC 321.
- Economics 322--Intermediate Macroeconomics (3).** *Prerequisites: EC 221, 222.* For course description, see EC 322.
- Economics 471--Urban Economics (3).** *Prerequisites: EC 221, 222.* For course description, see EC 471.
- Economics 485--Field Experience (3).** For course description, see EC 485.
- Information Management/E-Commerce 380--Project Management (3).** *Prerequisite: IME 375.* For course description, see IME 380.
- Information Management/E-Commerce 420--Virtual Enterprises (3).** *Prerequisite: IME 375.* For course description, see IME 420.
- Management 330--Entrepreneurship (3).** *Prerequisite: MGT 301.* For course description, see MGT 330.
- Marketing 361--Sales/Sales Force Management (3).** *Prerequisite: MKT 301.* For course description, see MKT 361.

BUSINESS ECONOMICS (EC) COURSE DESCRIPTIONS

221. **Principles of Microeconomics (3).** *Prerequisite: MS 100 or higher level math course.* Microeconomic analysis, including the consumer, the firm, the market and price determination.
222. **Principles of Macroeconomics (3).** *Prerequisite: MS 100 or higher level math course.* A macroeconomic approach, including money and banking, national income accounting monetary and fiscal policy, and international economics.
224. **Survey of Principles of Economics (3).** The course will survey the essential elements of macro and micro economics analysis, money and banking, and international economics. May be used as an elective in some majors. Not available to students majoring in accounting, economics, finance, management, or marketing.
225. **Honors Principles of Microeconomics (3).** *Prerequisite: MS 112 or higher level math course.* Microeconomic analysis, including the consumer, the firm, the market, and price determination. Stresses the advanced application of principles of microeconomics to the theory of the firm. A research paper is required.
226. **Honors Principles of Macroeconomics (3).** *Prerequisite: MS 112 or higher level math course.* A macroeconomic approach, including money and banking, national income accounting, monetary and fiscal policy, and international economics. Stresses the advanced application of principles of macroeconomics to the analysis of monetary and fiscal policy. A research paper is required.
- Business Statistics 261—Statistics/Quantitative Methods II (3).** May be counted as a course in Department of Economics for students pursuing the BA in economics. For description, see ST 261.

Courses listed below require, in addition to stated prerequisites, ACC 200, 210, EC 221, 222, MS 112 and ST 260, 261 for students pursuing the BS degree in a business field.

303. **Money and Banking (3).** *Prerequisites: EC 22 and 222.* Topics in monetary policy, theory, monetary standards, the commercial banking system, and the federal reserve system are considered in detail.
305. **Comparative Economic Systems (3).** *Prerequisites: EC 221 and 222.* Examines the theoretical and practical differences between a centralized economy and decentralized economy. Emphasis on the ideological and political aspects of these different systems.
310. **Public Finance (3).** *Prerequisites: EC 221 and 222.* An economic analysis of the role of government. Topics to be examined include externalities and public goods, tax policies, government expenditures and social decision-making.
316. **Business Decision Analysis (3).** *Prerequisites: EC 221 and 222.* Application of the principles of economics to business management situations. Emphasis in reconciling simple but meaningful models with the complex situations encountered in business.
321. **Intermediate Microeconomic Theory (3).** *Prerequisites: EC 221 and 222.* The theory of the pricing system under varying market conditions and the distribution of income among the factors of production.
322. **Intermediate Macroeconomic Theory (3).** *Prerequisites: EC 221 and 222.* The measurement of national output, including income and employment theory, general equilibrium theory, and the theories of interest, investment, and consumption.
345. **Industrial Organization and Economic Regulation (3).** *Prerequisites: EC 221 and 222.* Investigates the nature of firms and industry structures. Topics include competition, monopoly, firm behavior, transaction costs theory, and the effects of anti-trust and regulatory policy.
420. **History of Economic Thought (3).** Examination of the main theoretical developments since the beginning of the systematic study of economics in the 18th century. Special emphasis is given to the following major schools of economic thought: Mercantilists, Physiocrats, Classicists, Socialists, Marginalists, Neo-Classicalists, Keynesians, and Post-Keynesians.
446. **Environmental and Natural Resources Economics (3).** *Prerequisites: EC 221 and 222.* Use of economic analysis to examine global environmental problems and the depletion of natural resources. An examination of issues related to market failure, including benefit-cost analysis, externalities, property rights, and energy policy.
450. **International Economics (3).** *Prerequisites: EC 221 and 222.* Economic analysis of international relations. Emphasis will be placed on theories of exchange and international monetary economics with only secondary interest placed on institutional arrangements.
455. **Sports Economics (3).** *Prerequisites EC 221 and 222.* An economic analysis of professional and collegiate sports. Basic economics tools are applied to study both individual and team sports, addressing such topics as market structures, labor issues, publicly funded stadia, the NCAA and the college athlete.
463. **Senior Seminar in Economics (3).** *Prerequisite: Capstone course; should be taken in senior year. Exceptions approved by department head.* Considers the methodology of economics and provides a comprehensive review of economic theory.
465. **Health Care Economics (3).** *Prerequisites: EC 221 and 222.* An economic exploration of the health care industry, including demand-cost analysis, methodology development, financing health care services, and efficient resource allocation.
471. **Urban Economics (3).** *Prerequisites: EC 221 and 222.* An analysis of economic forces affecting urbanization and the economic processes influencing urban form and structure. Spatial and location concepts are included. Topic coverage includes: the economic origin of cities, urban functions, urban economic base, land use structure, urban form and urban efficiency.
475. **Economics of E-Commerce (3).** Use of economic analysis to provide insight and understanding necessary to succeed in today's information technology age. Emphasis is placed on practical business strategies to develop price and protect and market goods in an emerging network economy.
480. **Applied Business Forecasting (3).** *Prerequisites: EC 221, 222 and ST 261.* An introduction to quantitative business forecasting methods. Students will learn how to apply forecasting techniques to examine contemporary business and economic situations.
485. **Field Experience (3).** Field trip to New York City to study important New York business and economic sites, such as the New York Stock Exchange, the Federal Reserve, the Fulton Fish Market, a large international bank, an advertising agency, a bond advisory company, and other tours relevant to economics. Summer only.
486. **Econometrics (3).** *Prerequisites: EC 221, 222, and ST 261.* The application of mathematics and statistics to economics. Techniques by which economic theory can be applied in order to estimate quantitatively functional relationships.
489. **Economics Internship (3).** *Prerequisite: Junior standing and approval of the economics department head.* Provides the economics major with practical experience in the field via an internship arrangement. (Pass/Fail grade only)
499. **Special Topics and Research (3).** *Prerequisites: EC 221 and 222.* Techniques of research and writing are emphasized. Students select an economic topic of interest and write a thesis-type term paper.

In addition to the above listed economics courses, up to six credits of elective requirements for the business economics major may also be selected from finance courses numbered 300 or above (for descriptions of these courses, see

FINANCE COURSE DESCRIPTIONS) and/or the following courses listed below. Check with your advisor to determine which courses are best for you. All course prerequisites must be met.

CBA 300—American Business Enterprise (3). *Prerequisites:* EC 221 and 222. For course description see CBA 300.

Information Management/E-Commerce 380—Project Management (3). *Prerequisite:* IME 375. For course description, see IME 380.

Information Management/E-Commerce 420—Virtual Enterprises (3). *Prerequisite:* IME 375. For course description, see IME 420.

Management 330—Entrepreneurship (3). *Prerequisite:* MGT 301. For course description, see MGT 330.

BUSINESS STATISTICS (ST) COURSE DESCRIPTIONS

260. Statistics/Quantitative Methods I (3). *Prerequisite:* MS 112. Quantitative methods and statistics as applied to business and economics, including decision/optimization methods, descriptive statistics, probability and statistical inference.

261. Statistics/Quantitative Methods II (3). *Prerequisites:* MS 112 and ST 260. Sampling and statistical inference; hypothesis testing; regression and correlation analysis; and analysis of variance.

ACCOUNTING (ACC) COURSE DESCRIPTIONS

200. Principles of Accounting I (3). *Prerequisite:* MS 100 or higher level math course. An introduction to financial accounting fundamentals with an emphasis on the overall accounting cycle, along with financial reporting and interpretation of the basic financial statements. Also emphasizes assets as part of the accounting cycle, financial reporting and interpretation of the basic financial statements.

210. Principles of Accounting II (3). *Prerequisites:* MS 112 and ACC 200. A continuation of the introduction to financial accounting fundamentals with an emphasis on debt and equity as part of the accounting cycle, financial reporting and interpretation of the basic financial statements. Also, an introduction to the use of managerial accounting information for planning, decision-making, product costing, and performance evaluation.

Courses listed below require, in addition to stated prerequisites, ACC 200, 210, EC 221, 222, MS 112, and ST 260, 261.

Finance 300—Business Law (3). May be counted as a course in the Department of Accounting. For course description, see FIN 300.

301. Accounting Information Systems (3). *Prerequisites:* CS 201 and ACC 210. Basic information system concepts, including the transaction processing cycles of a business, the fundamental characteristics of a system of internal controls, the role of information technology in information processing, and the stages of systems development.

310. Financial Accounting I (3). *Prerequisite:* ACC 210. An introduction to accounting standards, an overview of accounting statements, and detailed study of asset and liability accounting. (Formerly ACC 393) A minimum grade of "C" in ACC 310 is required as a prerequisite for ACC 360, 410, 477, 478, 489, 490, and 497.

360. Financial Accounting II (3). *Prerequisite:* ACC 310 with minimum grade of "C." *Prerequisite or corequisite:* ACC 301 with minimum grade of "C." A detailed study of financial accounting topics, including liabilities (bonds, pensions, deferred taxes, leases), stockholder's equity, earnings per share, accounting changes and errors, and the statement of cash flows. The course focuses on understanding accounting theory and applying the theory in solving problems.

371. Cost Accounting (3). *Prerequisite:* ACC 210. An introduction to cost accounting through a study of job-order costing, process costing, activity-based costing, standard costing, and variable costing. Emphasis on master, flexible and pro forma budgets with variance analysis.

372. Income Tax Accounting (3). *Prerequisite:* ACC 210. Federal income tax laws as they apply to individuals. Training in the interpretation of regulations and the preparation of a comprehensive federal income tax return. Tax research is also required with a focus on tax planning. Limited coverage is provided of the history of the tax laws, as well as additional types of taxes paid by U.S. citizens.

398. Governmental Accounting (3). *Prerequisite:* ACC 210 and 310 with minimum grade of "C." Accounting procedures for all governmental units, and nonprofit service organizations. Analysis of fund accounting and procedures to prepare government-wide entity statements.

401. Advanced Accounting Information Systems (3). *Prerequisite:* ACC 301 with minimum grade of "C." A continuation of the transaction cycles of a business with emphasis placed on flowcharting, context diagrams, and data flow diagrams. Risk assessment of inadequate internal controls in an electronic data processing environment.

410. Financial Accounting III (3). *Prerequisite:* ACC 310 with minimum grade of "C." A detailed study of business expansion, including combinations and international operations, and an overview of partnership accounting.

476. **Advanced Income Tax Accounting (3).** *Prerequisite: ACC 372 with minimum grade of "C."* Advanced federal income tax topics including property transactions and international taxation issues. The course also focuses on the taxation of corporation, S corporations, and partnerships. Limited coverage is provided on the taxation of trusts and estates, as well as the alternative minimum tax. Understanding the implementation of the current regulations, as well as tax planning strategies, are discussed.
477. **Auditing (3).** *Prerequisites: ACC 301, 310 and 360 (minimum grade of "C" required for all prerequisites).* An overview of the theory and process of performing external audits and other attestation services. Course's coverage includes a study of professional standards, the independence of the external auditor, ethical issues, legal liability, internal controls, statistical sampling, auditing with computers, and the internal audit process.
478. **Accounting Theory (3).** *Prerequisites: ACC 360 and 410 (minimum grade of "C" required for all prerequisites).* The function of accounting in society, including the conceptual framework of accounting and its application to current financial reporting requirements.
489. **Accounting Internship (3).** *Prerequisites: Junior standing and consent of the instructor and the accounting department head.* Provides the accounting major with practical experience in the field via an internship arrangement. (Pass/Fail grade only)
490. **Advanced Auditing (3).** *Prerequisites: Senior standing and ACC 477 with a minimum grade of "C."* The practical application of auditing concepts and standards. An understanding of auditing principles is reinforced and explained by exposure to problems and cases.
497. **Seminar in Accounting (3).** *Prerequisite: Senior accounting majors only.* Examines critical accounting topics through intensive review of current literature and pronouncements. Assesses student's ability to effectively communicate accounting information.
498. **Independent Research in Accounting (3).** *Prerequisite: Permission of department head.* Research will be conducted on an area of special interest documented by a thesis-styled research paper. Scheduled on demand.

DEPARTMENT OF MANAGEMENT AND MARKETING

216 MERRILL HALL

Department Head: Cunningham

MANAGEMENT/IME FACULTY

Professor: Hearn, Marker, Yi

Associate Professor: Featherstone

Assistant Professor: Kim

Instructor: Buchanan, Newton, Mayfield, Rainwater

MARKETING FACULTY

Professor: Cunningham, Thomas

Assistant Professor: Lee, Huang

MANAGEMENT/ INFORMATION MANAGEMENT, E-COMMERCE COURSE DESCRIPTIONS

Courses listed below require, in addition to stated prerequisites, ACC 200, 210, EC 221, 222, MS 112, and ST 260, 261.

MANAGEMENT (MGT)

301. **Principles of Management (3).** *Prerequisite: Junior standing.* A basic course in general management principles and theories. (Management 301 is a prerequisite to all other management courses.)
305. **Organizational Behavior (3).** *Prerequisite: MGT 301.* The application of organizational behavior theories in developing managerial competencies in the area of leadership, motivation, team building, group dynamics, interpersonal and group conflict.
330. **Entrepreneurship (3).** *Prerequisite: MGT 301.* Comprehensive overview of entrepreneurship and the entrepreneurial process. A practical guide to starting a small business.
372. **The Dynamics of Organizations (3).** *Prerequisite: MGT 301.* An analysis of the managerial process and dynamics of organization, with the organization viewed as a system interacting with a changing environment.
385. **Human Resource Management (3).** *Prerequisite: MGT 301.* Basic principles, philosophies, and applications of personnel administration.
387. **Supervision (3).** *Prerequisite: MGT 301.* Study of the functions, techniques, and skills required to supervise in manufacturing and service businesses and non-profit organizations.

389. **Advanced Human Resource Management (3).** *Prerequisite:* MGT 385. An advanced human resource management course. Extensive use of cases, practical application of theory and research into the legal requirements of human resource management.
410. **Advanced Operations Management (3).** *Prerequisite:* CBA 390. An in-depth study of selected topics in production and operations management.
420. **Teams and Quality Management (3).** *Prerequisites:* Senior status and MGT 305. Focuses on the development and use of teams to improve quality, productivity, and organizational processes. Examines concepts, philosophies, and tools used in managing for quality.
422. **Seminar in Human Resource Management (3).** *Prerequisite:* MGT 385. A comprehensive course covering human resource management strategies, functions, and activities in modern organizations. Particular emphasis is placed on current issues facing human resource managers in organizations.
468. **Compensation Management (3).** *Prerequisite:* MGT 385. An applied study of the development of compensation packages, including a review of major theories and techniques regarding internal consistency, external competitiveness, individual contribution, administrative procedures, and benefit.
489. **Management Internship (3).** *Prerequisites:* Senior status and consent of instructor. Provides the management major with practical experience in the management field via an internship arrangement. (Pass/Fail grade only)
490. **Collective Bargaining (3).** *Prerequisite:* MGT 385. A comprehensive study of employer and employee relations. Emphasis is placed on legislation, policies, and practices regarding negotiation and bargaining within the employer-union-employee relationship. Attention is also focused on the problem of handling and settling industrial controversy.
491. **Management Seminar (3).** *Prerequisite:* Senior standing. A topical seminar which includes selected readings in current management literature combined with classroom lectures and discussions. Includes supervised and independent student research.
495. **Business Decision Simulation (3).** *Prerequisite:* Senior standing. GPSS computer simulation software is used to construct business decision-making models. Problem analysis, report writing, and software use are emphasized.
496. **International Management (3).** *Prerequisite:* Senior status. Comparative study in managing the international, multinational and national business organization.
499. **Senior Management Research (3).** *Prerequisites:* Senior status and consent of instructor. Independent research on a management topic jointly selected by student and instructor.

The following courses may also be used to satisfy elective requirements for the management major. All prerequisites must be met.

- Economics 455-- Sports Economics (3).** For course description, see EC 455.
- Finance 300—Business Law (3).** For course description, see FIN 300.
- Finance 311—Personal Financial Planning (3).** For course description, see FIN 311.
- Finance 341—Principles of Real Estate (3).** For course description, see FIN 341.
- Finance 361—Bank Management (3).** *Prerequisite:* FIN 301. For course description, see FIN 361.
- Finance 474—Investments (3).** *Prerequisite:* FIN 301. For course description, see FIN 474.
- Information Management/E-Commerce 380—Project Management (3).** *Prerequisite:* IME 375. For course description, see IME 380.
- Information Management/E-Commerce 420—Virtual Enterprises (3).** *Prerequisite:* IME 375. For course description, see IME 420.
- Information Management/E-Commerce 450—E-Commerce Information Management (3).** *Prerequisite:* IME 375. For course description, see IME 450.
- CBA 300—American Business Enterprise (3).** *Prerequisites:* EC 221 and 222. For course description, see CBA 300.
- CBA 488—Small Business Experience (3).** *Prerequisite:* Senior standing and completion of all 200-300 level SBI core courses. For course description, see CBA 488.
- Marketing 365—Marketing Successes and Failures (3).** *Prerequisite:* MKT 301. For course description, see MKT 365.
- Marketing 370—Transportation and Logistics (3).** *Prerequisite:* MKT 301. For course description, see MKT 370.
- Marketing 378—Consumer Behavior (3).** *Prerequisite:* MKT 301. For course description, see MKT 378.
- Marketing 395—Business-to-Business Marketing (3).** *Prerequisite:* MKT 301. For course description, see MKT 395.

INFORMATION MANAGEMENT/E-COMMERCE (IME)

375. **Introduction to E-Commerce (3).** *Prerequisite:* Junior standing. Survey course in e-commerce and the digital enterprise. The course emphasizes using the web to learn about the web and the elements of e-business. Students work in team environments with groupware and collaboration software. Topics include digital design, web

business models, web metrics, using intelligent agents, dynamic pricing, security and privacy, governance models, and web ethics. (Formerly CBA 375)

- 380. **Project Management (3)**. *Prerequisite: IME 375*. This course focuses on three vital elements of project management: people, process, and technology. Students learn project management concepts, objectives, and tools, and how to utilize coaching strategies to manage complex e-business and e-commerce projects. Topics include the PM process, project planning, project execution, and project evaluation.
- 385. **E-Commerce Marketing and Metrics (3)**. *Prerequisite: IME 375*. An in-depth study of web business models, this course surveys major e-commerce markets and marketing strategies, including web pricing strategies. The course also focuses on web metrics and performance management criterion and how e-businesses utilize them. Focus group and survey research applications in the digital world are covered. Students will learn the effects electronic markets have on local, national, and global economics.
- 410. **Process and Methodology (3)**. *Prerequisite: IME 375*. Students will examine current enterprise business processes, critique process documents, learn to map methods to processes, and develop a digital business process model.
- 420. **Virtual Enterprises (3)**. *Prerequisite: IME 375*. The virtual enterprise represents a new organization for the 21st century, enabled by new information technologies and evolving to compete in a global economy. This course examines the development of the virtual enterprise and explores strategies for managing in virtual and matrixed organizations. Students review a range of electronic collaboration tools for virtual work environments.
- 450. **E-Commerce Information Management (3)**. *Prerequisite: IME 375*. Developing skills in utilizing e-commerce information to assist managerial decisions. Managing and integrating web page information. (Formerly CBA 450)
- 451. **E-Commerce Applications (3)**. *Prerequisite: Capstone course; should be taken in senior year*. Students will participate in an e-commerce project and apply the theories, processes, and methodologies learned in previous IME courses. Students will engage in activities with selected clients to provide strategic consulting guidance and develop high-level solution designs.
- 475. **Current Issues in E-Commerce (3)**. *Prerequisite: IME 375*. Distinguished executive guest lecturers and the e-business faculty discuss topical issues related to business transformation and the cyber economy. (Formerly CBA 475)

MARKETING (MKT)

Courses listed below require, in addition to stated prerequisites, ACC 200, 210, EC 221, 222, MS 112, and ST 260, 261.

- 301. **Principles of Marketing (3)**. *Prerequisite: Junior standing*. An introduction to marketing strategy. Focuses on the application of product, promotion, price and distribution elements in satisfying the wants and needs of target markets.
- 361. **Sales/Sales Force Management (3)**. *Prerequisite: MKT 301*. A study of the personal selling process. The course focuses on communications, motivation, planning, and practical application of sales techniques.
- 370. **Transportation and Logistics (3)**. *Prerequisite: MKT 301*. Provides a broad and general exposure to transportation issues, including modes of transportation, their relationships, and special uses. Business logistics (including, but not limited to, coverage of inventory, warehousing, materials and handling, packaging, and order procession) and how transportation and logistics are interrelated are also covered.
- 378. **Consumer Behavior (3)**. *Prerequisite: MKT 301*. A study of fundamental activities, habits, and motives which affect consumer interest, trial, evaluation, usage, and disposal of products. Includes ethical marketing considerations.
- 394. **Retailing (3)**. *Prerequisite: MKT 301*. A study of the American retailing system. Topics include: the expanding role of e-commerce, store management, atmospherics, location analysis, trading area analysis, site selection, retail buying, merchandise and financial budgeting, inventory control, and promotional strategy.
- 395. **Business-To-Business Marketing (3)**. *Prerequisite: MKT 301*. An analysis of marketing strategy as it applies to firms that engage in the production of finished products or services, including an examination of the buying behavior of profit and non-profit-making enterprises, as well as governmental agencies and the impact of e-commerce on these enterprises and processes. (Formerly MKT 363) (May not be taken for credit if student has completed MKT 363 - Industrial Marketing.)
- 488. **Advertising and Promotions (3)**. *Prerequisite: MKT 301*. Investigation of methods used to communicate with markets, including advertising, sales promotions, reseller support, publicity, public relations, and corporate advertising. Includes cases combining these topics with a managerial orientation (Formerly MKT 377 and, more recently, MKT 388).
- 489. **Marketing Internship (3)**. *Prerequisites: Junior status and consent of instructor*. Provides the marketing major with practical experience in the marketing field via an internship arrangement. (Pass/Fail grade only)
- 492. **Senior Marketing Seminar (3)**. *Prerequisites: Senior status and MKT 301*. Investigation and analysis of current literature and problems in the field of marketing. Includes classroom lectures and discussions; supervised and independent student research.
- 493. **International Marketing (3)**. *Prerequisites: Senior status and MKT 301*. An introduction to the cultural differences encountered in foreign markets (mainly the Arabic/Islamic and Japanese cultures) and the effects of these on

target markets, and the product, price, place, and promotion aspects of marketing. The questions of adaptation vs. standardization as a strategy in international markets, barriers to market entry and trade, and the import/export process are examined.

- 495. Marketing Management (3).** *Prerequisites: Senior status and MKT 301.* Capstone course combining lecture, cases, and student discussion in a seminar setting. Examines and analyzes the marketing process with special emphasis on the development of comprehensive marketing plans.
- 497. Market Research (3).** *Prerequisites: Senior status and MKT 301.* The application of research techniques and procedures for assessing markets. Students will conduct an actual research project and submit results in a thesis-type report.
- 498. Senior Marketing Research (3).** *Prerequisites: MKT 497 and consent of instructor.* Independent research on a marketing topic jointly selected by student and instructor.

The following courses may also be used to satisfy elective requirements for the marketing major. All prerequisites must be met.

Economics 455—Sports Economics (3). For course description, see EC 455.

Finance 300—Business Law (3). For course description, see FIN 300.

Finance 311—Personal Financial Planning (3). For course description, see FIN 311.

Finance 341—Principles of Real Estate (3). For course description, see FIN 341.

Finance 474—Investments (3). *Prerequisite: FIN 301.* For course description, see FIN 474.

Information Management/E-Commerce 380—Project Management (3). *Prerequisite: IME 375.* For course description, see IME 380.

Information Management/E-Commerce 420—Virtual Enterprises (3). *Prerequisite: IME 375.* For course description, see IME 420.

Information Management/E-Commerce 450—E-Commerce Information Management (3). *Prerequisite: IME 375.* For course description, see IME 450.

CBA 488—Small Business Experience (3). *Prerequisites: Senior standing and completion of all 200-300 level SBI core courses.* For course description, see CBA 488.

Management 330—Entrepreneurship (3). *Prerequisite: MGT 301.* For course description, see MGT 330.

Management 372—Dynamics of Organizations (3). *Prerequisite: MGT 301.* For course description, see MGT 372.

Management 385—Human Resource Management (3). *Prerequisite: MGT 301.* For course description, see MGT 385.

Management 468--Compensation Management (3). *Prerequisite: MGT 301.* For course description, see MGT 468.

DEPARTMENT OF APPLIED ENGINEERING

Accredited by
The Association of Technology, Management, and Applied Engineering

153 AYERS HALL

Department Head: Chris Marker

Full Professor: Bekhouche
Associate Professor: Godbey, Ingalsbe
Instructor: Marker, Sult

The Department of Applied Engineering offers a Bachelor of Science degree with a choice of majors for students desiring to pursue careers in applied engineering or management in industry. Additionally, the department offers a variety of minors and a two-year pre-engineering program for students planning to complete a traditional, professional engineering degree at another institution.

Courses leading to the Bachelor of Science degree are offered for the following majors: **Applied Manufacturing Engineering (Design and Automation or Manufacturing Management), Applied Electronics Engineering, Industrial Leadership, and Occupational Safety and Health Management.** Requirements for these comprehensive degree programs include 66-67 semester hours of major courses. Students completing these programs are not required to have a minor in another academic discipline. All of the degrees offered through the department focus on the technological needs of manufacturing industries and, as degree programs of study, are designed to prepare management-oriented technical professionals. Programs offered within the department involve the application of the knowledge and understanding of materials and production processes, concepts of management and human relations, safety, quality, communications, electronics, graphics, mathematics, physical sciences, and computer fundamentals in a problem-solving approach. Program graduates find employment opportunities in a variety of well-paid, professional positions.

The majors have unique provisions for persons already in the workforce and/or two-year college graduates who desire to continue their education and obtain a baccalaureate degree. Technical specialty credit (up to 36 semester hours) is awarded to students who have completed a diploma or associate degree from an approved technical, community, or junior college in an approved technical field. Technical specialty credit may also be awarded for approved management, supervisory, or technical work experience (three semester hours per year for a minimum of three years up to a maximum of six years), or approved professional certification programs. In no case will technical specialty credit awarded exceed 36 semester hours, and it will only be awarded to students pursuing a major that is offered by the Department of Applied Engineering.

The department also offers a variety of minors to benefit students majoring in other fields. The minor in Applied Electronics Engineering consists of AE 211, AE 225, AE 252, AE 311, AE 317 and EG 255. The minor in Design and Automation requires a minimum of 21 semester hours consisting of AE 210, AE 211, AE 252, AE 351 or 355, AE 361, AE 416 and AE 460. The minor in Manufacturing Management requires a minimum of 21 semester hours consisting of AE 210, AE 341, AE 342, AE 344, AE 371, AE 380 and AE 440. The minor in Occupational Safety and Health Management consists of AE 380, AE 390, AE 392, AE 484, AE 485, AE 488 and AE 489. The two-year **Pre-Engineering program** offers a curriculum that will permit the majority of students to transfer with junior standing to most undergraduate engineering programs at other colleges and universities. A suggested pre-engineering program would include EH 101, 102, 141; HY 101, 102 or 201, 202; EC 221; CY 105, 106, 107, 108; MS 125, 126, 227, 344; PHS 211, 213, 212, 214; and EG 121, 201, 202 and 255.

High school students preparing for admission to the programs are encouraged to strengthen their background in mathematics and the physical sciences. Algebra, plane geometry, trigonometry, solid geometry, general science, physics, chemistry, and any advanced mathematics are all beneficial subjects for those wishing to study technology and engineering.

APPLIED ELECTRONICS ENGINEERING

FRESHMAN YEAR

Fall	Spring
EH Comp 1013	EH Comp 1023
HY 101 or 201 ¹3	AE 210 Mach/Mfg Processes3
AE 201 Microcomputers3	AE 211 AC/DC Circuits3
MS 125 Calculus I.....4	HY 102 or 202 ¹3
Soc/Beh Science ²3	General Elective4
STU 101.....0	
16	16

SOPHOMORE YEAR

Fall	Spring
Natural Science ³4	Natural Science ³4
General Elective2	Soc/Beh Science ²3
EG 255 Engineering Computation3	Literature ⁴3
EH 141 Oral Communication3	AE 343 Managing Eng Tech3
AE 351 CAD4	AE 380 Ind Safety and Health3
16	16

JUNIOR YEAR

Fall	Spring
AE 225 Elec Devices I4	AE 326/327 or AE 417 ⁷ 4/3
AE 311 Elec Digital4	Literature ⁴3
AE 317 or AE 366 ⁷3	EH 322 Technical Writing.....3
AE 252 Programmable Controllers3	AE 451 or AE 427 ⁷3
AE 344 Mfg Cost Analysis3	Fine Art ⁵ 3
17	15

SENIOR YEAR⁶

Fall	Spring
AE 3713	AE 316 Advanced Electronics4
AE 416 or 429 ⁷3	AE 493 Senior Seminar1
AE 370 Cont Qual Imp3	AE 494 Ind Internship2
AE 4573	General Electives10
AE Elective3	
<hr/>	<hr/>
15	17

**APPLIED MANUFACTURING ENGINEERING MAJOR
DESIGN AND AUTOMATION CONCENTRATION**

FRESHMAN YEAR

Fall	Spring
EH Comp 1013	EH Comp 1023
HY 101 or 201 ¹3	AE 210 Mach/Mfg Processes3
AE 201 Microcomputers3	AE 211 AC/DC Circuits3
MS 125 Calculus I4	HY 102 or 202 ¹3
Soc/Beh Science ²3	General Elective4
STU 1010	
<hr/>	<hr/>
16	16

SOPHOMORE YEAR

Fall	Spring
Natural Science ³4	Natural Science ³4
General Elective2	Soc/Beh Science ²3
Fine Art ⁵3	Literature ⁴3
EH 141 Oral Communication3	AE 343 Managing Eng Tech3
AE 351 CAD4	EC 380 Ind Safety and Health3
<hr/>	<hr/>
16	16

JUNIOR YEAR

Fall	Spring
EG 255 Eng Computation3	AE 3713
AE 252 Prog Controllers3	EH 322 Technical Writing3
AE 361 Materials and Processes3	AE 355 Solid Modeling3
AE 366 Control Systems3	AE 451 Advanced PLC3
AE 370 Continuous Quality Impr3	AE 365 Strength of Ind Mat3
General Elective1	General Elective1
<hr/>	<hr/>
16	16

SENIOR YEAR⁶

Fall	Spring
AE 416 Robotics and Automation3	AE 460 CA Manufacturing3
AE 344 Mfg Cost Analysis3	AE 440 Mfg Mgmt Systems3
Literature ⁴3	AE 493 Senior Seminar1
General Electives4	AE 494 Ind Internship2
Design and Automation Elective3	General Electives7
<hr/>	<hr/>
16	16

**APPLIED MANUFACTURING ENGINEERING MAJOR
MANUFACTURING MANAGEMENT CONCENTRATION**

FRESHMAN YEAR

Fall	Spring
EH Comp 1013	EH Comp 1023
HY 101 or 201 ¹3	AE 210 Mach/Mfg Processes3
AE 201 Microcomputers3	AE 211 AC/DC Circuits3
MS 125 Calculus I..... 4	HY 102 or 202 ¹3
Soc/Beh Science ²3	General Elective4
STU 101.....0	
<hr/> 16	<hr/> 16

SOPHOMORE YEAR

Fall	Spring
Natural Science ³4	Natural Science ³4
General Elective2	Soc/Beh Science ²3
Fine Art ⁵3	Literature ⁴3
EH 141 Oral Communication.....3	AE 343 Managing Eng Tech3
AE 351 CAD4	AE 380 Ind Safety and Health3
<hr/> 16	<hr/> 16

JUNIOR YEAR

Fall	Spring
AE 307 Industrial Training3	AE 371.....3
AE 330 Prod and Inventory Control 3	EH 322 Technical Writing.....3
AE 361 Materials and Processes3	AE 342 Employer/Employee Rel3
AE 366 Control Systems3	AE 484 Ergonomics3
AE 370 Continuous Quality Impr3	AE 440 Mfg Mgmt Systems.....3
General Elective1	General Elective1
<hr/> 16	<hr/> 16

SENIOR YEAR⁶

Fall	Spring
AE 441 Project Management3	AE 485 Industrial Safety Mgmt3
AE 341 Motion and Time Study3	AE 442 Facilities Planning3
AE 344 Mfg Cost Analysis3	AE 493 Senior Seminar1
Literature ⁴3	AE 494 Ind Internship2
General Electives4	General Electives7
<hr/> 16	<hr/> 16

INDUSTRIAL LEADERSHIP MAJOR

FRESHMAN YEAR

Fall	Spring
EH Comp 1013	EH Comp 1023
HY 101 or 201 ¹3	AE 210 Mach/Mfg Processes3
AE 201 Microcomputers3	AE 207 or AE 2113
MS 112 Precalculus Algebra ⁸3	HY 102 or 202 ¹3
Soc/Beh Science ²3	General Electives4
General Elective1	
STU 101.....0	
<hr/> 16	<hr/> 16

SOPHOMORE YEAR

Fall	Spring
Natural Science ³	Natural Science ³
Literature ⁴	Literature ⁴
Fine Art ⁵	Soc/Beh Science ²
EH 141 Oral Communication	AE 370 Cont Quality Improvement
General Elective	AE 380 Ind Safety and Health
16	16

JUNIOR YEAR

Fall	Spring
AE 300+ Electives ⁷	AE 405 Industrial Leadership II
AE 305 Industrial Leadership I	AE 342 Employer-Employee Rel
AE 344 Mfg Cost Analysis	AE 343 Managing Eng Tech
AE 371 Quality Control	EH 322 Technical Writing
General Elective	AE 300+ Electives ⁷
16	16

SENIOR YEAR⁶

Fall	Spring
AE 300+ Electives ⁷	AE 491 Ind Leadership Seminar
AE 407 Ind Org and Function	AE Electives ⁷
AE 485 Ind Safety Mgt	General Electives
General Electives	
16	16

OCCUPATIONAL SAFETY AND HEALTH MANAGEMENT MAJOR

FRESHMAN YEAR

Fall	Spring
EH Comp 101	EH Comp 102
HY 101 or 201 ¹	AE 210 Mach/Mfg Processes
AE 201 Microcomputers	AE 207 or AE 211 ⁷
MS 125 Calculus I	HY 102 or 202 ¹
Soc/Beh Science ²	General Elective
STU 101	
16	16

SOPHOMORE YEAR

Fall	Spring
Natural Science ³	Natural Science ³
Literature ⁴	Literature ⁴
Fine Art ⁵	Soc/Beh Science ²
EH 141 Oral Communication	AE 380 Ind Safety and Health
General Elective	General Elective
16	16

JUNIOR YEAR

Fall	Spring
AE 344 Mfg Cost Analysis3	AE 343 Managing Eng Tech3
AE 370 Cont Qual Improvement3	AE 3713
AE 392 Fire Safety Tech3	AE 382 or AE 3843
AE Electives3	AE 307 Ind Training3
General Electives4	EH 322 Technical Writing.....3
16	16

SENIOR YEAR⁶

Fall	Spring
AE 342 Employer-Employee Rel3	AE 484 Industrial Ergonomics3
AE 485 Ind Safety Mgt3	AE 487 Systems Safety3
AE 390 Hazard Control Tech3	AE 489 Hazard Materials.....3
AE 486 Safety Perm Mgmt3	AE 493 Senior Seminar.....1
AE 488 Industrial Hygiene3	AE 494 Ind Internship2
General Elective1	General Electives4
16	16

¹Select one complete sequence: HY 101 and 102 or 201 and 202

²Select from: AN 224, GY 120, PSC 100, PSY 201, SY 221, EC 222

³Select from: CY 105, 106, 107, and 108 or PHS 201, 202, 203, and 204

⁴Select from: EH 201, 202, 203, 204, 219, 220, 231, 232

⁵Select from: ART 202, DR 242, MU 233, FL 101

⁶Students will be required in their senior year to take a professional certification exam to meet graduation requirements.

⁷See advisor for approval

APPLIED ENGINEERING (AE) COURSE DESCRIPTIONS

- 100. Technology Orientation (2).** Orientation to the Department of Applied Engineering. Topics include: personal and social skills, academic study skills, technology career planning, advising, program requirements, and university organization. Field trips to local industries required.
- 201. Microcomputers - Applications and Techniques (3).** Two hours lecture and two hours lab per week. An introduction to microcomputer hardware and applications of the microcomputer in industry. Hands-on experience with computer system hardware and software.
- 207. Electrical, Fluid Power, and Mechanical Systems (3).** An introduction to electrical, mechanical and fluid power systems found in manufacturing. Topics include: safety, basic electricity, circuits, inductors and capacitors, AC basics, transformers and three phase power, relays and motor starters, switches and sensors, hydraulics and pneumatics, mechanics and power transmission.
- 210. Machining/Manufacturing Processes (3).** An introduction to machining concepts and basic processes. Practical experiences with hand tools, jigs, drills, grinders, mills and lathes is emphasized.
- 211. AC/DC Circuits (3).** *Prerequisite: MS 112.* Two hours lecture and two hours lab. Scientific and engineering notation, voltage, current, resistance and power, inductors, capacitors, network theorems, phaser analysis of AC circuits.
- 225. Electronics Devices I (4).** *Prerequisites: MS 112 and AE 211.* Three hours lecture and two hours lab. First course in solid state devices. Course topics include: solid state fundamentals, diodes, BJTs, amplifiers and FETs.
- 252. Programmable Controllers (3).** *Prerequisite: AE 201 or equivalent.* Two hours lecture and two hours lab. Study of basic industrial control concepts using modern PLC systems.
- 305. Industrial Leadership (3).** *Prerequisite: Sophomore or higher standing.* Analysis and development of the competencies and knowledge required of industrial leaders to effectively manage production and work teams in a dynamic workplace comprised of a diverse population.
- 307. Industrial Training (3).** *Prerequisite: AE 201 or equivalent.* Study of time analysis methods used to determine training requirements, assessing personnel and training resources, as well as planning, coordinating and evaluating training.
- 311. Electronics – Digital (4).** *Prerequisite: AE 201 or equivalent.* Three hours lecture and two hours lab per week. Introduction to digital logic, binary numbers and codes, Boolean algebra, gating networks, flip-flops and registers, sequential and combinatorial logic circuits and semi-conductor memories.

316. **Advanced Electronics (4).** *Prerequisites: AE 225, 311, or equivalents.* Three hours lecture and two hours lab per week. In-depth study of selected electronic concepts. Topics include: computer analysis of major digital logic families, introduction to state logic, transmission lines, and A/D conversion.
317. **Industrial Networking I (3).** *Prerequisite: AE 201 or equivalent.* Network fundamentals, routing, Lan switching, wireless and wide area networks.
318. **Problems in Robotic Design and Programming (3).** *Prerequisite: EG 255 or permission of instructor.* Problems involving the application and integration of robotic design, remote controls of robots, and programming robots for autonomous control.
319. **Advanced Problems in Robotics Design and Programming (3).** *Prerequisites: EG 255 and MS112/113/125 or permission of instructor.* Problems involving the application and integration of robotic design, remote control of robots, and programming robots for autonomous control. This is the second of two courses that constructs and programs a robot to compete in the ATMAE annual robotics contest.
326. **Electronic Devices II (3).** *Prerequisite: AE 225.* Second course in solid state devices. Topics include: amplifier frequency characteristics, UJT, SCR, OPTO devices, operational amplifiers, filters, and voltage regulators.
327. **Electronic Devices Lab (1).** *Corequisite: AE 326.* Three hours lab per week. Experiments involving basic electronic devices.
330. **Production and Inventory Control (3).** *Prerequisite: Sophomore standing.* Examines the issues involved in effective manufacturing, production and inventory control and shows their interrelatedness.
341. **Motion and Time Study (3).** *Prerequisite: MS 112.* Analysis of motions necessary to perform industrial operations; motion economy; development of ratings, allowances, standard data, formula construction, work sampling, wage payment and performance training.
342. **Employer-Employee Relations (3).** *Prerequisite: Sophomore standing.* Theory and policy to perform industrial relations; organization and administration, theories of work, labor relations, commitment and morale, communications, employee benefits and services.
343. **Managing Engineering Technology (3).** *Prerequisite: Sophomore standing.* Examination and planning of manufacturing operations, personnel, control methods, equipment and supplies.
344. **Manufacturing Cost Analysis (3).** *Prerequisites: MS 112 and AE 201 or equivalent.* Technical and economic evaluation of manufacturing operations to determine cost and feasibility.
351. **Computer-Aided Design (4).** *Prerequisite: MS 112 or higher.* Three hours lecture and two hours lab. Interpreting engineering drawings and the creation of computer graphics as applied to two-dimensional and three-dimensional drafting and design.
355. **Solid Modeling (3).** *Prerequisite: AE 351 or equivalent.* Two hours lecture and two hours lab each week. A parametric, feature based, solid modeling 3D computer-aided design course for mechanical design.
361. **Materials and Processes of Industry (3).** *Prerequisite: AE 210 or equivalent.* Selection/altering of industrial materials to increase their value, and how they are used in manufacturing. Emphasis on metal and plastics, but other materials are discussed.
365. **Strength of Industrial Materials (3).** *Prerequisite: MS 113 or MS 118 or equivalent.* Internal stresses and deformation of bodies resulting from action of external forces; concepts and techniques of testing tensile, compression, shear, transverse, hardness, elasticity on various materials and fasteners.
366. **Control Systems Technology (3).** *Prerequisite: AE 211.* Coverage of control systems fundamentals to include: open and closed loop systems, measuring instruments characteristics, sensors in control systems, manipulation methods, and types of control systems.
370. **Continuous Quality Improvement (3).** *Prerequisite: AE 210 or equivalent.* An introduction to the concept of continuous quality improvement and its implementation using process improvement teams.
371. **Quality Control in Industry (3).** *Prerequisite: MS 112.* Methods and procedures employed in industrial quality control, theories of measurement, error, prediction, sampling, tests of significance and models.
380. **Industrial Safety and Health (3).** Principles of hazard identification. Engineering and administrative controls and personal protective equipment. Accident analysis and corrective action.
382. **Standards of Industrial Safety (3).** *Prerequisites: AE 210 and 380.* Standards for plants and manufacturing operations. Enforcement of safety standards and OSHA checklist.
384. **Construction Safety (3).** *Prerequisite: AE 380.* Concepts of construction safety and health and an in-depth coverage of federal and state construction safety regulations. Recognition and control of construction hazards, fall protection scaffolding, excavation, and crane safety.
390. **Hazard Control Technology (3).** *Prerequisites: AE 211 and 380.* Principles and methods for the analysis and design of processes, equipment, products, facilities, operations and environment.
392. **Fire Safety Technology (3).** *Prerequisite: MS 112.* Fire chemistry and propagation. Recognition and control of fire hazards, fire codes, risk, reports and records, and emergency response.

400. **Manufacturing Concepts (3).** This course introduces technical education teachers to the principles, practices, and techniques for managing manufacturing technologies.
401. **Career Technologies (3).** Development of operational skills for technical education and career technology teachers.
405. **Industrial Leadership II (3).** *Prerequisite: AE 305.* Advanced analysis and development of the competencies and knowledge required of industrial leaders to effectively manage production and work teams in a dynamic workplace comprised of a diverse population.
407. **Industrial Organization and Function (3).** *Prerequisite: AE 305.* A study of the development and organization of industry and the major functions to include research and development, production, financial control, marketing and labor. Emphasis on contemporary issues associated with a global economy.
416. **Manufacturing Automations and Robotics (3).** *Prerequisite: AE 201.* Examination of how industrial controls, and industrial robots function in an automated manufacturing environment. Students learn the theory of operation, how to program, and the practical application of robotic systems. Topics will also include software applications and the integration of control systems for manufacturing.
417. **Industrial Networking II (4).** *Prerequisite: AE 317 or equivalent.* Advanced routing and switching in an enterprise network.
427. **Industrial Networking III (3).** *Prerequisite: AE 417 or equivalent.* Monitoring and maintaining complex, enterprise routed and switched IP networks.
429. **Applied Digital Communications Systems (3).** *Prerequisite: AE 201 or equivalent.* A detailed study of digital communications techniques. Topics include: sampling and digital pulse modulation, communications networks and standards, protocol and troubleshooting, digital multiplexing and cellular communications.
436. **Inventory Management (3).** *Prerequisite: AE 330.* Prepares students for positions in the field of production and inventory management through understanding of production scheduling, implementation and design.
440. **Manufacturing Management Systems (3).** *Prerequisites: AE 343 and 344.* The analysis, design, and implementation of world class manufacturing systems for the manufacture of superior, low cost parts. Topics include lean manufacturing, cellular manufacturing, manufacturing teams, integrated quality systems, and other current manufacturing management strategies.
441. **Project Management (3).** *Prerequisites: AE 201 and 343.* Prepare students for managing projects in manufacturing and service industries through understanding of how to plan, manage, and deliver projects on time and within budget and how to effectively contribute in project teams.
442. **Facilities Planning (3).** *Prerequisite: AE 343.* Macro and micro level examination of facility planning. Course includes techniques and procedures for developing an effective facility layout, including collection, analysis, and development of vital and relevant data with emphasis on manufacturing facilities.
451. **Advanced Programmable Controllers (3).** *Prerequisite: AE 252.* Two hours lecture and two hours lab. Study of advanced control concepts using modern programmable controllers with detailed study of selected controllers. Study of recent controller architectures with emphasis on data communications.
452. **Managing and Networking CIMs (3).** *Prerequisites: AE 351 and 460.* Two hours lecture and two hours lab. CIM group productivity techniques to include basic CIM management concepts, basics of networking, and advanced customization.
460. **Computer-Aided Manufacturing (3).** *Prerequisite: AE 351.* Three hours lecture and one hour lab. Utilization of computer technology in the automation of manufacturing systems.
484. **Industrial Ergonomics (3).** *Prerequisite: MS 112.* Concepts and techniques of work measurements, human factors, and industrial safety and hygiene are merged to provide a comprehensive view of the workplace.
485. **Industrial Safety Management (3).** *Prerequisites: AE 380 and 343.* Planning, implementation and evaluation of industrial safety programs.
486. **Safety Performance Management (3).** *Prerequisites: AE 485 and PSY 201.* Concepts and methodologies for evaluating performance of safety programs with emphasis on human behavior and the role of management in influencing safety performance.
487. **Systems Safety (3).** *Prerequisites: AE 380 and MS 204 or AE 371.* Principles and techniques of systems safety analysis to assure safe operation of systems and facilities throughout the life cycle from design to disposal.
488. **Industrial Hygiene (3).** *Prerequisite: AE 380.* Recognition, evaluation, and control of toxic hazards in the work environment. Acute and chronic systemic effects of environmental toxins in the workplace.
489. **Hazardous Material Technology (3).** *Prerequisite: AE 380.* Practical management and control of hazardous materials and wastes for the safety professional.
491. **Industrial Leadership Seminar (3).** Students relate modern leadership practices to practical industrial situations.
493. **Senior Seminar (1).** *Prerequisites: EH 322 or equivalent, senior standing and consent of instructor. Corequisite: AE 494.* Coverage of terms, concepts, tools, and skills needed (industrial business, ethics, tech presentations) to succeed as a professional in technological and engineering environments. Pass/Fail only.

494. **Industrial Internship (2).** *Prerequisites: EH 322 or equivalent, senior standing and consent of instructor. Corequisite: AE 493.* Provides technology majors with practical industrial experiences via an approved internship arrangement. Pass/Fail only. This class may be taken twice.
495. **Special Topics in Technology (3).** *Prerequisites: Senior standing and approval of department head.* Special topics of current interest to groups of students in the technology program concerning content not presented in regular course offerings.
496. **Advanced Problems in Technology (3).** *Prerequisites: Senior standing, approval of department head, and EH 322 or CBA 350.* Problems involving the application and integration of electronics, industrial safety, quality, industrial management, and/or computer integrated manufacturing technology. This may include an industrial practicum and/or internship.
498. **SME Prep (2).** *Prerequisite: Senior standing.* An in-depth and thorough coverage of the terms, concepts, tools and skill needed to obtain the certification of Certified Manufacturing Technologist.

ENGINEERING (EG) COURSE DESCRIPTIONS

112. **Engineering Methods (3).** *Prerequisite or Concurrently: MS 113 or permission of instructor.* The use of applied mathematics in solving elementary scientific and engineering problems. Topics include basic mathematical analysis, the electronic calculator, unit systems, metrication, engineering statistics, laboratory procedures and measurements, and computer applications. Three hours lecture.
121. **Engineering Graphics I (4).** *Prerequisite: MS 112 or higher.* Orthographic and isometric projections; multi-view projection on principal and auxiliary planes; dimensioning; detail and assembly working drawings. Interactive two-dimensional and three-dimensional computer-aided graphics. Three hours lecture and two hours laboratory each week.
201. **Applied Mechanics - Statics (3).** *Prerequisites: EG 112, PHS 211, and/or concurrently, MS 126.* Analysis of the principles of mechanics and their engineering applications. Forces; moments and couples; resultants of force systems; equilibrium, friction, centroids, moments of inertia.
202. **Applied Mechanics - Dynamics (3).** *Prerequisites: EG 201 and MS 126.* Absolute and relative motion; force, mass and acceleration; work and energy; impulse and momentum; mechanical vibrations.
226. **Electrical Circuits Analysis I (3).** *Prerequisites: MS 125 and PHS 211.* Electric and magnetic circuit concepts; transient and steady-state solutions of simple circuits. Phasor analysis of AC circuits and network theorems.
251. **Engineering Surveying (3).** *Prerequisite: EG 112.* The use of tapes, levels, transits, and surveying instruments, including the theodolite, will be studied and applied to problems involving position, area, volume, grade, mapping, distance, evaluation, analysis or error, and land surveying. Two hours lecture and three hours lab.
255. **Engineering Computation (3).** *Prerequisite: MS 113 or equivalent.* Programming, with introduction to numerical methods useful in the solution of engineering, scientific, and mathematical problems. The course is implemented using a high-level programming language. Two hours lecture and two hours integral non-scheduled laboratory required each week.
320. **Engineering Economy (3).** *Prerequisite: MS 112 or equivalent.* Annual cost; present worth, rate of return, and profit-cost methods of determining prospective differences among alternatives; depreciation, tax and cost analysis; and replacement and retirement analysis.
328. **Electrical Circuits Laboratory (3).** *Prerequisite: EG 226.* Experiments related to electrical circuits. Application and verification of the principles in electrical circuits. Three laboratory hours per week.
343. **Strength of Materials (4).** *Prerequisites: EG 201 and MS 126.* Stress-strain relationships; behavior of materials in tension, compression and shear; column formulae; combined stress computations; theorem of three moments; composite structural members.
361. **Thermodynamics (3).** *Prerequisites: MS 227 and PHS 211.* Heat and work; thermodynamic systems and equations of state; the zeroth, first, and second laws of thermodynamics; change of phase; the combined first and second laws; irreversibility and availability of energy; mixtures of ideal gases; psychrometry.
373. **Fluid Mechanics (3).** *Prerequisites: MS 126 and PHS 211.* Fluid statics; the conservation equations and their applications; dimensional analysis and similitude; flow in closed and open conduits; one-dimensional compressible flow.
374. **Fluid and Thermal Laboratory (1).** Laboratory in fluid mechanics, thermodynamics, and related areas. Typical experiments are flows in pipes and channels, flow control devices, gas laws, compressible flow, engine performance. Three laboratory hours per week.

DEPARTMENT OF COMMUNICATION

Accredited by the
Accrediting Council on Education in Journalism and Mass Communications (ACEJMC)

181 SELF HALL

Department Head: Kingsley O. Harbor
Professor: Harbor, Ihator
Associate Professor: McGrail
Assistant Professor: Peterson
Instructor: Shah, Stedham

The communication curriculum focuses on developing well-rounded communication professionals capable of interpreting and meeting the challenges of an exciting, ever-changing industry. The Information Age requires professionals who are capable of gathering and packaging information for multi-media formats. Media professionals need a broad background and general education, as well as hands-on skills with new technologies. The ability to express oneself effectively is particularly important for students in a communication program who hope to become working professionals in the various communications industries. Therefore, satisfactory speaking, writing, and computer skills are mandatory.

The **Bachelor of Arts degree in Communication** is obtained by successfully completing 120 credit hours. These hours consist of: (a) 53 hours within the general studies curriculum, including, among others, specific university-required courses, such as CS 201, EH 141, six hours of a foreign language sequence, six hours of an English literature sequence, six hours of a history sequence, eight hours of a natural science sequence [which includes two (2) three-hour lecture courses with two corequisite one-hour labs], three hours from ART 202, or DR 242, or MU 233; (b) 45 hours in communication courses; (c) 18 or more hours in a minor field; and (d) some electives. A major in communication must include COM 200, 301, 325, 345, 375, 380, 385, 395, 415, and 491. The remaining hours must be selected from a student's area of concentration—broadcasting, digital journalism, or public relations. The six hours in foreign language must include a sequence of French or Spanish or German. Students must maintain a minimum GPA of 2.00 and complete, with a minimum grade of "C," all Department of Communication courses required for the degree. Students who make a grade of "D" or "F" in a communication course may repeat the course only once. A second "D" or "F" in the same course will exclude a student from majoring or minoring in communication. All communication majors are required to take at least 72 of the 120 hours required for graduation outside the communication major. Fifty-three (53) of those 72 hours must be courses in liberal arts and sciences. See departmental check sheet for detailed curriculum. Each communication major should also complete a portfolio before graduation. To assess and improve its academic programs, the department must obtain periodic measurements of student learning. Such measures will include, among others, an exit exam and exit interview.

A **Minor in Communication** consists of completing all university requirements and a minimum of 21 hours in the Department of Communication. Required courses include 12 hours in COM 200, 205 or 315, 301 or 375, and either 320 or 325. The remaining nine hours must be selected from any other communication courses for which the student is qualified. Students cannot declare both a major and a minor in the Department of Communication.

Students enrolling in COM 404, 405, 406, 407, 408, 411 (the media workshop courses), 475 (directed study), or 491 (internship) must apply for **eligibility** into those courses **no later than** the pre-registration period preceding the semester in which the courses will be taken. Three media workshops—COM 404, 405, and 406—are required of all students in broadcasting and digital journalism, while the advanced media workshops—COM 407, 408, and 411—are optional.

COM 491, Internship, is a required course for all communication majors. Before registering for COM 491, a student must have satisfactorily completed specific courses in her/his area of concentration. The areas of concentration and their requirements for internship are:

Broadcasting—COM 205, 301, 302, 404 and 405
Digital Journalism—COM 315, 325, 375, 404 and 405
Public Relations—COM 315, 325, 330 and 340

**BACHELOR OF ARTS
MAJOR: COMMUNICATION**

FRESHMAN YEAR

Fall	Spring
EH 101 English Composition3	EH 102 English Composition3
HY3	COM 200 Intro to Mass Com3
MS 204 Basic Statistics or MS 1103	HY3
Fine Arts Elective3	COM 205 Intro B/cast Writing3
EH 141 Oral Communication3	Natural Science4
STU 101 First Year Experience.....0	
15	16

SOPHOMORE YEAR

Fall	Spring
Literature3	Literature3
Natural Science4	Social/Behavioral Science3
Social/Behavioral Science3	COM 375 (or interest area)3
COM 302 or 315.....3	COM 3013
COM 404 Media Workshop-11	COM 405 Media Workshop-21
COM 330 Intro PR (or interest area).....3	CS 201 Intro Info Tech.....3
17	16

SUMMER

* COM 491—Internship 3 hrs.

**Following the above schedule, any student will be ready for internship upon completing the sophomore year.*

JUNIOR YEAR

Fall	Spring
COM 380 Com Law3	COM 345 Social Media.....3
COM 410 Media Features (or interest area)3	COM 320 (or interest area)3
FL 101 Foreign Language3	FL 102 Foreign Language3
COM 406 Media Workshop-31	COM 415 Mass Com Research3
CS 315 Intro Web Design3	COM 325 Publication Design.....3
COM 340 PR Writing.....3	
16	15

SENIOR YEAR

Fall	Spring
COM 385 Multimedia Des.3	COM 420 or 440 or 470 Capstone3
General Elective/Minor9	General Elective/Minor4
COM 395 Ethics and Global Journalism3	
15	7

TOTAL HOURS: 120

**COMMUNICATION (COM)
COURSE DESCRIPTIONS**

- 200. Introduction to Mass Communication (3).** *Prerequisite: EH 101 or EH 103.* A survey of the mass media and their interrelationship with each other and society. Emphasis will be placed on how mass communication functions in a multi-ethnic, gender-diverse environment. Includes perspectives on the history and role of professionals and institutions in shaping communication.
- 205. Introduction to Broadcast Writing (3).** *Prerequisite: EH 101 or EH 103.* Basic writing for electronic media. Includes news, features, press releases and advertisements. Emphasis placed on how news, PSA's and commercials are filtered through, and shaped by, multi-ethnic, gender-diverse writers.

301. **Introduction to TV Production (3).** *Prerequisites: COM 200 and EH 101 or EH 103.* Practical training in the fundamentals of audio and video production techniques pertaining to TV studio production, including various exercises in each production area. Includes introduction to producing and directing. Productions regarding diversity issues are required.
302. **Introduction to Audio Production (3).** *Prerequisites: COM 200 and 205.* Introduction to audio concepts and production methods. Includes recording, editing, control room technique, and radio station practice.
305. **Advanced Audio Production (3).** *Prerequisite: COM 302.* Course affords students the opportunities to sharpen their skills in the recording, editing and mastering of audio for various media venues. Students will choose one of three “tracks” of interest that permits them to: (1) work alongside video production and editing students in a post-production environment; (2) record and produce two tracks for a contemporary musical or spoken word CD; or (3) record and produce a series of commercials of varying lengths for local merchants. Productions regarding diversity issues are required.
307. **Media Literacy (3).** Learn analytical and critical skills to develop an awareness and understanding of the effects of media, including profit and emotional strategies, portrayals of diversity, stereotypes, love, myths, and other issues.
315. **Introduction to News (3).** *Prerequisites: EH 101 or EH 103, EH 102 or EH 104, COM 200.* Fundamentals of news reporting, writing and copy editing for digital media, dealing with modern newsroom issues, including diversity, community involvement and convergence. Requires out-of-class assignments.
317. **Editing (3).** *Prerequisites: COM 315 or COM 205.* Teaches skills for copyeditors and others in the processing of news, features and press releases. Students learn to question statements of fact, challenge assumptions, edit for length, taste, ethics, diversity, and libel, while correcting errors of both grammar and style according to the Associated Press Stylebook.
320. **Video Production and Editing (3).** *Prerequisite: COM 301.* Videography and editing of programs and/or announcements produced with portable equipment. Students produce, direct, write, shoot, and edit individual productions. Productions regarding diversity issues are required.
325. **Publication Design (3).** *Prerequisite: COM 205 or 315.* Arranging and editing text, photographs, graphics and other materials from diverse sources for digital media.
330. **Introduction to Public Relations (3).** *Prerequisites: EH 101 or EH 103, COM 200.* Basic concepts of public relations, including history, theory, organization and ethics. Writing emphasized.
340. **Public Relations Writing (3).** *Prerequisite: COM 330.* The development of professional public relations writing skills. Effective methods of conceptualizing, researching and presenting information to the relevant publics.
345. **Social Media and Society (3).** *Prerequisite: EH 102 or EH 104.* What are social media, who uses them, who gains from them, and how are they transforming the media landscape and the way we communicate? Students will become familiar with a range of social media tools, analyze and discuss their uses and implications, and develop participation literacy. They will have the opportunity to explore both theory and practice of social media through writing assignments, interactive assignments, and course projects.
350. **Announcing (3).** Fundamentals of voice and diction applied to audio and video media delivery. Includes commercials, news, interviews, and ad-lib announcing.
358. **Communication Theory (3).** *Prerequisites: COM 200, junior standing or permission of instructor.* Theories of the processes and effects of mass communication, including the discussion and analysis of research findings on race, gender, and ethnicity. Also deals with numbers for journalists—basic math and statistics for journalists.
375. **Internet Production (3).** *Prerequisites: Junior standing and COM 205 or COM 315, or special permission of instructor.* This course focuses specifically on online journalism techniques; reporting, writing and editing news/information for interactive media, particularly the internet. Covers web usability, web design and HTML authoring while requiring both journalistic and computer skills.
380. **Communication Law (3).** *Prerequisites: Junior standing and permission of instructor.* Study of legal systems of state and nation as related to media, including libel, privacy, copyright, access, contract, and First Amendment issues. Emphasis on gender, religion, ethnic diversity and sexual orientation issues as they apply to communication law.
385. **Multimedia Design.** *Prerequisites: COM 301, 325 and 375.* Students will practice and develop the skills necessary for planning and producing effective multimedia programs. They will be introduced to planning strategies, production techniques, and software involved in multimedia production. Each student will demonstrate basic proficiencies across a wide spectrum of multimedia. Emphasis will be on visual, audio and typographic design, as well as the appropriateness of these elements for specific goals. The use of advanced electronic technologies will also be emphasized. Through a series of individual component assignments, students will develop a capstone multimedia presentation to be included in their portfolio.
395. **Ethics and Global Journalism (3).** *Prerequisite: Junior standing or permission of instructor.* The ethical foundations of the media and their interrelationships with the public and the government. The range of systems of freedom of expression around the world and their ethical implications. The diversity of people and cultures and the ethical significance of mass communications in a global society.
400. **Public Relations Case Studies (3).** *Prerequisite: COM 330.* The development of public relations practice skills based on the analysis of contemporary and historical case studies.

- 401. Media Advertising and Sales (3).** *Prerequisites: EH 101 or EH 103, and junior standing.* Theory and application of advertising, sales, and copywriting in the print and electronic media.
- 404. Media Workshop-1 (1).** *Prerequisite: Permission of instructor.* Supervised assignments demonstrating development of high-level competencies and skills in various areas of the media.
- 405. Media Workshop-2 (1).** *Prerequisites: COM 404 and permission of instructor.* Supervised assignments demonstrating development of high-level competencies and skills in various areas of the media.
- 406. Media Workshop-3 (1).** *Prerequisites: COM 405 and permission of instructor.* Supervised assignments demonstrating development of high-level competencies and skills in various areas of the media. This course can be taken concurrently with COM 407, if necessary.
- 407. Advanced Media Workshop-1 (1).** *Prerequisites or corequisites: COM 406 and permission of instructor.* Advanced assignments demonstrating development of higher-level competencies and skills in various areas of the media.
- 408. Advanced Media Workshop-2 (1).** *Prerequisites: COM 407 and permission of instructor.* Advanced assignments demonstrating development of higher-level competencies and skills in various areas of the media. This course can be taken concurrently with COM 411.
- 410. Media Features (3).** *Prerequisites: COM 315 and permission of instructor.* Principles and practices of writing features. Requires out-of-class assignments.
- 411. Advanced Media Workshop-3 (1).** *Prerequisites or corequisites: COM 408 and permission of instructor.* Advanced assignments demonstrating development of higher-level competencies and skills in various areas of the media.
- 415. Mass Communication Research (3).** *Prerequisites: COM 200 and second semester junior in communication. Pre- or co-requisite: MS 110 or 204.* Fundamentals of research methodologies in mass communication. Prepares students to become familiar with, and develop the understanding and ability to apply research concepts to, mass communication problems. Major topics include, among others, sampling, survey research, basic statistics, and diversity issues in mass communication research.
- 420. Advanced Reporting (3).** *Prerequisites: COM 315, 380, 395 and 415.* News gathering and writing for the digital media with emphasis on deadline and beat reporting. Copy editing is included as are modern newsroom issues, such as diversity and community involvement. This is a capstone course—a culminating experience that integrates coursework, knowledge, skills and other experiences in digital journalism. It serves as a venue for learning outcomes assessment.
- 425. Media Management (3).** *Prerequisites: Junior standing and permission of instructor.* Principles and practices for management of print and electronic media facilities.
- 440. Public Relations Campaign Management (3).** *Prerequisites: COM 330, 340, 380, 395, 400 and 415.* The use of effective principles and techniques to plan, execute, and evaluate public relations campaigns. This is a capstone course, a culminating experience that integrates coursework, knowledge, skills and other experiences in public relations. Major subjects include diversity in communication and public relations issues. It serves as a venue for learning outcomes assessment.
- 470. Advanced Electronic News (3).** *Prerequisites: COM 320, 380, 395 and 415.* Principles and practices for gathering, writing, reporting and producing news for electronic media. Requires out-of-class assignments. This is a capstone course—a culminating experience that integrates coursework, knowledge, skills and other experiences in broadcast journalism. Major subjects include diversity in communication. It serves as a venue for learning outcomes assessment.
- 475. Directed Study (3).** *Prerequisite: Permission of instructor.* Supervised study permitting students to pursue specific areas of interest in communication.
- 491. Internship (3).** *A required course for all communication majors.* Before registering for COM 491 a student must have satisfactorily completed specific courses in her/his area of concentration. The areas of concentration and their requirements for internship are:
- Broadcasting—COM 205, 301, 302, 404 and 405
 Digital Journalism—COM 315, 325, 375, 404 and 405
 Public Relations—COM 315, 325, 330 and 340

SCHOOL OF EDUCATION

Dean: Dr. Tommy Turner

Associate Dean: Dr. Janet Bavonese

Accredited by:

National Council for Accreditation of Teacher Education
Alabama State Department of Education
Accreditation Council for Education in Nutrition and Dietetics
American Association of Family and Consumer Sciences
Council for Accreditation of Counseling and Related Educational Programs

Member of:

American Association of Colleges for Teacher Education
Alabama Association of Colleges for Teacher Education

The mission of the School of Education is to prepare students for successful careers in a variety of professions through innovative teaching methodologies in a learning-centered environment.

The uniqueness of the school is reflected through the diversity of programs and services. The programs in Education and Family and Consumer Sciences are designed to assist students in developing skills in critical thinking/problem solving, innovation/creativity, communication, and collaboration.

The School of Education offers programs that are nationally accredited. The Department of Family and Consumer Sciences is accredited by the American Association of Family and Consumer Sciences (AAFCS). The dietetics program in Family and Consumer Sciences is accredited by the *Accreditation Council for Education in Nutrition and Dietetics* (ACEND). The counseling graduate programs in the Department of Educational Resources are accredited by the *Council for Accreditation of Counseling & Related Educational Programs* (CACREP). All teacher preparation and other school personnel programs (both initial and advanced) in the school are accredited by the *National Council for Accreditation of Teacher Education* (NCATE) and the *Alabama State Department of Education* (ALSDE). Students graduating from these professional education programs benefit from JSU's associate membership in the National Association of State Directors of Teacher Education and Certification (NASDTEC), allowing transferability of teaching credentials.

Please consult the *Graduate Bulletin* for details on Master of Science (MS), Master of Science in Education (MSE) and Educational Specialist (EdS) degree programs offered through the school.

HONESTY POLICY

Cheating

1. **Cheating: 1st Offense** - A student who cheats on an examination (or any other graded work) will receive a failing grade ("F") in the course.
2. **Cheating: 2nd Offense** - A student who cheats on an examination (or any other graded work) will be dismissed from the program of study and will not be allowed to enroll in any other programs of study in the School of Education at Jacksonville State University.

Plagiarism

1. **Plagiarism: 1st Offense** - A student who plagiarizes will receive a failing grade ("F") in the course. In addition, the student will be required to complete a remedial seminar on plagiarism. Failure to do so will result in an automatic 2nd Offense.
2. **Plagiarism: 2nd Offense** - A student who plagiarizes a second time will be dismissed from the program of study and will not be allowed to enroll in any other program of study in the School of Education at Jacksonville State University.

Exhibiting Unethical Disposition

1. **Exhibiting Unethical Disposition: 1st Offense** - A student who exhibits an unethical disposition, such as lying and/or falsifying documentation, to anyone in a supervisory role during any school or school-related activity associated with coursework will receive a failing grade ("F") in the course.
2. **Exhibiting Unethical Disposition: 2nd Offense** - A student who exhibits an unethical disposition, such as lying and/or falsifying documentation, to anyone in a supervisory role a second time will be dismissed from the program of study and will not be allowed to enroll in any other program of study in the School of Education at Jacksonville State University.

NOTES:

1. It should be noted that the occurrence of cheating or plagiarism is cumulative, i.e., it carries over to any other course taught in the School of Education.
2. If a student wishes to appeal at any level of the honesty policy, she (he) is to follow the School of Education grade appeal process.

**Grades Dismissal Policies
(Teacher Education Programs)**

1. If a student receives consecutive grades of “D” or “F” (or any combination of “D” and “F” grades) in a “professional studies” course (or any course that requires eligibility to teacher education as a prerequisite), he (she) will be dismissed from the program regardless of his (her) grade point average (GPA). The only avenue for re-eligibility for TEP coursework is if the student employs the *academic forgiveness* policy removing one or more of the grades.
2. If a student accumulates more than three (3) grades of “D” or “F” (or any combination of “D” and “F” grades) in “professional studies” courses (or any course that requires eligibility to teacher education as a prerequisite), he (she) is dismissed from the program regardless of his (her) grade point average (GPA). The only avenue for re-eligibility for TEP coursework is if the student employs the *academic forgiveness* policy removing one or more of the grades.

**Required Grade Point Average (GPA) Information
(Teacher Education Program)**

A student applying for admission to Teacher Education must have a 2.75 Grade Point Average (GPA) in (1) overall course work, (2) all courses in the teaching field, and (3) all professional studies courses, in order to be eligible for admission to any Teacher Education program. The student should seek to maintain at least a 2.75 in all areas, and MUST have a 2.75 in each of the three above-named areas in order to be eligible to graduate and apply for Alabama State Teacher Certification.

EDUCATION PROGRAM REQUIREMENTS

**Lisa R. Light
Director of Teacher Education Services and
Certification Officer**

I. Eligibility requirements for the Teacher Education Program

Teacher education programs are approved by the Alabama State Board of Education and are, therefore, subject to periodic revision resulting from changes in State certification requirements. Therefore, modifications in students’ programs may become necessary at any time resulting in additions and/or deletions of program requirements. Issuance of Alabama teaching certificates is the legal responsibility of the Alabama State Department of Education. Universities cannot issue a professional certificate. To be eligible to apply for State certification, a student must complete an appropriate course of study at a college, school, or university which has been approved by the State Board of Education to offer a program leading to the desired State certificate. When a student completes the course of study, the institution recommends to the State Department of Education that the appropriate certificate be issued.

To enroll for professional education courses required for teacher certification, the prospective teacher must be eligible for the School of Education Teacher Education Program. Eligibility for this program is not automatic. To be eligible, the student must have met the minimum State Department of Education requirements, as well as our university requirements. See Requirements for Admission section for university requirements.

Any questions that you may have regarding eligibility for the Teacher Education Program may be directed to the Director of Teacher Education Services, School of Education, Ramona Wood Hall, Room 207.

At the beginning of the sophomore year, students may seek eligibility for teacher education by filing an application to a specific program. The application form is available on the Teacher Education Services website (www.jsu.edu/edprof/tsc/eligibility_requirements.html).

All the following criteria must be met:

1. The candidate must have earned a minimum of 54 semester hours of college credit in which at least 48 semester hours are in the general studies area.
2. The candidate must complete a formal written application for admission to the Teacher Education Program.
3. The candidate must have earned an overall Grade Point Average of 2.75 based upon a 4.00 scale, as well as a 2.75 in the chosen teaching field, and in all professional studies courses.
4. Remedial courses cannot be used to meet approved program requirements or calculated to meet GPA requirements.
5. The candidate must have successfully passed each of the three components of the ETS Praxis Core Academic Skills for Educators tests, as required by the Alabama Educator Certification Assessment Program. (AECAP).
6. The candidate must receive one positive *Undergraduate Teacher Recommendation* evaluation from his/her ED 302 or MU 244 instructor.
7. The candidate must have successfully completed ED 302, Introductory Foundations to Teacher Education, which includes a tutoring component. Music Education candidates must have successfully completed MU 244, Introduction to Music Education.
8. The candidate must satisfactorily complete an interview to provide information of the applicant’s personality, interests, dispositions, and aptitudes consistent with the requirements for a successful teaching career.
9. The candidate must read and sign a Statement of Understanding.
10. The candidate must provide documentation of a clear criminal history background check conducted through the Alabama State Department of Education.

II. Graduation and Certification

Requirements for recommendation for a degree in education:

1. The candidate must have met all general university and degree program requirements as outlined in the catalog in effect at the time of the student's eligibility for the Teacher Education Program.
2. The candidate must satisfactorily complete the State-approved program with a minimum GPA of **2.75** overall (as confirmed on the transcript when the degree was granted), **2.75** in the teaching field, and **2.75** in professional studies courses with no grade below a C in professional studies courses.
3. The candidate must have successfully completed the English Competency Exam.
4. The candidate must have successfully completed the EPP Examination.
5. The candidate must have met the Praxis II requirements of the AECAP.
6. The candidate must have successfully passed edTPA, according to the Alabama State Department of Education requirements for initial certification.

III. Application for State Certification

Requirements for Alabama Certification:

1. Candidates are required to complete an application for Alabama Teacher Certification the last semester of course work (i.e., the internship semester). Instructions for completing the State certification form are found on Teacher Education Services website: www.jsu.edu/education/tes/index.html. The appropriate fees (receipt from money order or cashier's check made payable to the Alabama State Department of Education) must be submitted with the State application for certification. The application for State certification, fee payment, and the candidate's transcript are forwarded to the State Department of Education. JSU cannot recommend any candidate for State certification that has not satisfied all Alabama and JSU requirements for eligibility to and completion of an approved program.
2. The candidate must satisfactorily complete the State-approved program with a minimum GPA of **2.75** overall (as confirmed on the transcript when the degree was granted), **2.75** in the teaching field, and **2.75** in professional studies courses with no grade below a C in professional studies courses.
3. The School of Education does not certify teachers. The sole authority to certify teachers rests with the appropriate state agency. The School of Education will recommend a candidate that has successfully completed an approved program within five years of completion. Recommendation after five years will require completion of the current program in place at the time of the request.
4. Anyone convicted of a felony and/or misdemeanor other than a minor traffic violation may be denied State certification or have State certification revoked by the State Superintendent. Questions may be directed to the Director of Teacher Education Services, School of Education.
5. Teacher Education Programs are approved by the Alabama State Board of Education and are, therefore, subject to periodic revision resulting from changes in State certification requirements. Therefore, modifications in a candidate's programs may become necessary.

Brandy L. Russell
Assistant Director of Clinical Experiences

I. Practicum Requirements

The Alabama State Department of Education and the School of Education require that a candidate pursuing a degree in education must engage in extensive practicum experiences in approved and diverse schools and community settings prior to the internship semester. For further details, check with the instructor of the respective education course as to the practicum requirements. Personal professional liability insurance is required prior to beginning any clinical experience within the School of Education at Jacksonville State University. Please see your course instructor for further details.

II. Internship Semester

Students are required to make formal application for the Senior Internship semester one semester prior to the semester of internship (fall or spring). Please note that student internship is offered only in the fall and spring semesters and must be completed the last semester before graduation. All Teacher Education Program eligibility requirements must be met prior to application for internship. Information meetings will be conducted fall and spring semesters. Contact Brandy Russell in the Office of Clinical Experiences for more information.

Eligibility requirements for the internship semester:

1. The internship semester is to be completed during the student's last semester of residency at JSU.
2. The candidate must have completed all general studies, professional and teaching field courses.
3. The candidate must possess a 2.75 grade point average in all of the following areas:
 - a. Overall
 - b. Candidate's teaching field(s)
 - c. Professional education courses
 - d. JSU only courses (determines Honors)
4. The successful completion of the Alabama approved Praxis II exams (a passing score based on Alabama State Department of Education requirements) is required prior to the pre-service teaching internship. No pre-service teacher will be placed without the required official documentation of a passing score.
5. Proof of personal professional liability insurance for the entire internship semester must be on file in the Office of Clinical Experiences.

**EDUCATION (ED)
COURSE DESCRIPTIONS**

- 302. Introductory Foundations in Teacher Education (3).** This is an introductory foundations course to teacher education and the School of Education Conceptual Framework. Students observe classroom teaching techniques, participate in on-campus and/or off-campus tutoring program for K-12 students, and prepare for eligibility in the Teacher Education Program. It is a requirement for all initial education candidates (those seeking a Class-B teaching certificate), and is required prior to Teacher Education Program eligibility. ED 302 is to be taken after 30 semester hours of core curriculum coursework have been completed.
- 408. Internship in Applied Teaching and Learning (3).** This is a course for teacher candidates whose edTPA submissions did not meet the professional performance standards as defined by the Alabama State Department of Education. This course will include an internship clinical experience coupled with support and guidance for retake of the edTPA. Enrollment in ED 408 requires permission of the Department Head and approved edTPA retake plan designed by the candidate and the assigned academic program faculty member.
- 495. Internship in Education (6).** *Corequisite: ED 496; Prerequisites: All general studies, professional and teaching field courses, passing score on the Praxis II, and approval of academic advisor.* Supervised teaching in the public schools. Students are required to enroll in a program-specific section of ED 496. Consult the *Assistant Director of Clinical Experiences* for details. Grade of Pass/Fail only.
- 496. Reflective Practices in Education (3).** *Corequisite: ED 495; Prerequisites: All general studies, professional and teaching field courses, passing score on the Praxis II exam(s), and approval of academic advisor.* This seminar course is intended to serve as a support mechanism and bridge between methods courses and the internship experience. Class activities involving readings, reflective journals, group discussions, portfolio development, and successful completion of a culminating teacher performance assessment will be used to facilitate individual growth and professional development. Grade of Pass/Fail only.

DEPARTMENT OF CURRICULUM AND INSTRUCTION

312 RAMONA WOOD HALL

**Department Head: TBA
Professor: Beard, Thornburg, Gardner
Associate Professor: Connor, Johns, Norvell, Staubs, Troncale
Assistant Professor: Bavonese, Smith, Trucks
Instructor: Calhoun, Wheat, Weathers**

The Department of Curriculum and Instruction offers Bachelor of Science in Education degrees in the areas of Elementary/Early Childhood and Special Education Collaborative Teacher. Upon program completion, students will be eligible to apply for the baccalaureate level Professional Teaching Certificate.

Elementary /Early Childhood Education

Students majoring in elementary/early childhood education are required to complete an approved program consisting of 126 hours leading to a Bachelor of Science Degree in Education. Students may take RDG 298, EED 299, SPE 300, FCS 352/353, and EED 310 prior to eligibility for Teacher Education Program. ED 302 is required and must be taken in order to achieve eligibility for Teacher Education Program. Students will enroll in the ECE Block classes (ECE 303, RDG 304, ECE 306 and 309) before taking the Literacy Block (ECE 407, EED 339, RDG 342, EED 344) and the Content Block (EED 340, 341, 343, and 362). RDG 354 and EED 409 are taken with the block courses throughout the program. Upon completion of this program, including all testing requirements, a student will be eligible to apply for the baccalaureate level Professional Certificate which provides teacher certification for elementary (K-6) and early childhood (P-3). Teacher Education Programs may be altered to meet changes in federal and Alabama State Department of Education regulations.

ELEMENTARY /EARLY CHILDHOOD EDUCATION (ECP)

FRESHMAN YEAR

Fall	Spring
EH 101 Composition3	EH 102 Composition3
HY3	EH 141 Oral Communication.....3
MS 112* Algebra3	BY 102, 1044
By 101, 1034	MS*3
Soc/Beh Science3	Soc/Beh Science3
Fine Arts3	HY3
STU 101.....0	

SOPHOMORE YEAR

Fall	Spring
Literature sequence3	Literature sequence3
MS*3	ED 302 Intro to Foundations of Teacher Educ3
Science**4	SPE 300 Survey of Except Child3
CS 201 Introduction to Information Technology.....3	EED 299 Teaching Diverse Populations.....3
FCS 352/353 Child Growth and Development3	MS*3
16	15

JUNIOR YEAR

Fall	Spring
ECE 303 Intro Early Child3	ECE 407 Assessment3
RDG 304 Early Literacy3	EED 339 Integ Theory and Prac.....3
ECE 306 Practicum in ECE3	RDG 342 Teaching Reading3
ECE 309 21 st Century Tch and Lrng Pt 1.....3	EED 344 Develop Lang Arts3
EED 310 Foundations of Effective Teaching3	RDG 298 Lit and lang for Children.....3
15	15

SENIOR YEAR

Fall	Spring
EED 340 Practicum in Content3	ED 495 Internship in Education.....6
EED 341 Teaching Math3	ED 496 Reflective Practices in Ed.3
EED 362 Teaching Science3	EED 409 21 st Century TCH LRN Pt II3
EED 343 Teaching Soc Studies3	
RDG 354 Reading Diagnosis3	
15	12

TOTAL HOURS: 126

Note: All professional education courses and selected teaching field courses must be completed at JSU and may not be transferred from another institution. Please check with your academic department for a complete list of these courses. *MS 110 and higher is required for the mathematics requirements; MS 112 (required) and MS 133, 134, and 135 are suggested.

Special Education Collaborative Teacher K-6 and 6-12 (SCD)

Students majoring in special education collaborative teacher K-6 and 6-12 are required to complete the approved program consisting of 126 hours leading to a Bachelor of Science degree in Education. Students may take SPE 332, EED 299, and SPE 300 prior to eligibility for Teacher Education Program. ED 302 is required and must be taken in order to achieve eligibility for Teacher Education Program. Students will enroll in the Elementary Mild Block (SPE 331, 348, 340, and RDG 343) first, followed by the Secondary Mild Block (SPE 330, 334, 338, and 341), and the Collaborative Severe Block (SPE 423, 427, 426, and 442). SPE 425 and RDG 354 are taken with block courses throughout the program. Upon completion of this program, including all testing requirements, a student will be eligible to apply for the baccalaureate level Professional Certificate which provides certification in Special Education Collaborative Teacher at the K-6 and 6-12 levels. Teacher Education Programs may be altered to meet changes in federal and Alabama State Department of Education regulations.

FRESHMAN YEAR

Fall	Spring
EH 101 Composition3	EH 102 Composition3
HY3	EH 141 Oral Communication3
MS 112* Algebra3	BY 102, 1044
BY 101, 1034	MS*3
Soc/Beh Science3	PSY 201 Principles of Psychology3
CS 201 Intor to Information Tech3	
STU 101.....0	
19	16

SOPHOMORE YEAR

Fall	Spring
Literature sequence3	Literature sequence3
PSY 330 Abnormal Psychology3	MS*3
MS*3	EED 299 Teaching Diverse Populations3
Physical Science and Lab4	ED 302 Intro to Teacher Educ3
PSY 222 Human Development3	SPE 300 Survey of Spec Ed3
Fine Arts3	SPE 332 Legal, Medical, Ethical3
19	18

JUNIOR YEAR

Fall	Spring
SPE 348 Collaboration in Elem and Secondary3	SPE 334 Assistive/Education Tech3
SPE 331 SPE Administrative Processes3	SPE 330 Assessment3
SPE 340 Practicum in Mild K-63	SPE 341 Practicum in Mild 6-123
RDG 343 Collaborative Reading3	SPE 338 Collaborative Math3
Soc/Beh Science3	RDG 354 Reading Diagnosis3
15	15

SENIOR YEAR

Fall	Spring
SPE 423 Methods for Severe3	SPE 425 Methods for Autism Disord3
SPE 427 Behavior, Classroom Mgt, Transition3	ED 495 Internship in Education6
SPE 426 Augmentative and Altern Comm3	ED 496 Reflective Practices in Education3
SPE 442 Practicum in Severe Disabilities K-123	
12	12

TOTAL HOURS: 126

Note: All professional education courses and selected teaching field courses must be completed at JSU and may not be transferred from another institution. Please check with your academic department for a complete list of these courses. *MS 110 and higher is required for the mathematics requirements; MS 112 (required) and MS 133, 134, and 135 are strongly suggested.

* Math approved courses

** Science from two different areas other than Biology

EARLY CHILDHOOD EDUCATION (ECE) COURSE DESCRIPTIONS

303. **Introduction to Early Childhood Education (3).** *Corequisites:* RDG 304, ECE 306, and ECE 309. An introduction to the historical, philosophical, and cultural aspects of early childhood education. Requires Teacher Education Program eligibility.
306. **Practicum in Early Childhood Education (3).** *Corequisites:* ECE 303, ECE 309, and RDG 304. Provides pre-service teachers with the opportunity to observe and apply theories and concepts in the classroom. Requires Teacher Education Program eligibility.
307. **Assessment of Young Children (3).** *Corequisites:* RDG 342, EED 344, and EED 339. Review of developmentally appropriate assessment for young children. Included will be reviews of portfolios, standardized tests, state required assessment, anecdotal records, observations, rating scales, and creation of teacher-made assessments. Requires Teacher Education Program eligibility.
309. **21st Century Teaching and Learning Part 1 (3).** *Corequisites:* ECE 303, 306, and RDG 304. Prepares teacher candidates for integrating the arts and new technologies into the P-3 curriculum. Emphasis will be placed on introducing 21st century skills (communicating, collaborating, creating, and critical thinking), project- and inquiry-based learning and common core standards. Requires Teacher Education Program eligibility.

**ELEMENTARY EDUCATION (EED)
COURSE DESCRIPTIONS**

COURSE DESCRIPTIONS

299. **Teaching Diverse Populations (3).** Introduces students to teaching diverse populations, including cultural, socioeconomic, learning styles, disabilities, and other variability aspects of current classroom cultures. This course may be taken prior to Teacher Education Program eligibility.
310. **Foundations of Effective Teaching (3).** This course investigates techniques, strategies, and curriculum design in the elementary grades. Students learn how to integrate content areas, effective teaching and learning strategies, and methods for problem solving/critical thinking. This course may be taken prior to Teacher Education Program eligibility.
339. **Integrating Theory/Practice (3).** *Corequisites: ECE 407, RDG 342, and EED 344.* Provides prospective teachers an opportunity to observe, analyze, and apply concepts and theories in schools and classrooms. Requires Teacher Education Program eligibility.
340. **Content Practicum (3).** *Prerequisites: All core math, science, and social studies courses and the Literacy Block (EED 339, RDG 312, 342, EED 344). Corequisites: EED 341, 343, and 362.* Provides pre-service elementary teachers an opportunity to observe, analyze, and apply math, science, and social studies concepts and theories in schools and classrooms. Requires Teacher Education Program eligibility.
341. **Mathematics for Children (3).** *Prerequisites: MS 112 and other core math courses. Corequisites: EED 340, 343, and 362.* Materials and methods in the teaching of elementary mathematics concepts and processes. Requires Teacher Education Program eligibility.
343. **Curriculum Integration in Teaching Social Studies (3).** *Corequisites: EED 341, 362, and 340.* Methods and materials of teaching social studies in the elementary grades. Requires Teacher Education Program eligibility.
344. **Developing Language Skills (3).** *Corequisites: ECE 407, RDG 342, and EED 339.* Techniques and strategies for promoting communication skills among young learners, with emphasis on the interrelatedness of the language modes. Requires Teacher Education Program eligibility.
362. **Science for Children (3).** *Prerequisites: 12 hours of core science courses. Corequisites: EED 340, 341 and 343.* Methods, materials, laboratory demonstration, and organization of science concepts and processes taught in the elementary grades. Requires Teacher Education Program eligibility.
409. **21st Century Teaching and Learning Part II (3).** *Prerequisite: ECE 309.* This course is designed to extend teacher candidates' knowledge about new literacies and multimodal pedagogies. Emphasis will be placed on interdisciplinary strategies and 21st Century skills along with project- and inquiry-based learning and common core. Requires Teacher Education Program eligibility.

**READING SPECIALIST (RDG)
COURSE DESCRIPTIONS**

298. **Literature and Language for Children (3).** A survey course of children's literature and language development, this course explores genres of children's literature. Vocabulary and comprehension strategies for early childhood and elementary teaching are introduced. Upon completion students will be able to support a literature and language rich classroom environment. This course may be taken prior to Teacher Education Program eligibility.
304. **Early Literacy (3).** *Corequisites: ECE 303, 306, and 309.* Materials and methods of teaching literacy in early childhood. Foundations of literacy development including reading, writing, listening, spelling, and speaking will be emphasized. Requires Teacher Education Program eligibility.
311. **Early Childhood Reading and Literature for the 21st Century (3).** *Corequisites: SPE 423, 424, 426, 441.* Eligibility for and successful completion of the ECE block.
312. **Children's Literature (3).** Evaluation of books for children, selection criteria, and the interests, needs and abilities of children emphasized. Requires Teacher Education Program eligibility.
342. **Teaching Reading (3).** *Prerequisite: RDG 304. Corequisites: ECE 407, EED 339, and EED 344.* Methods, materials, and research findings concerned with beginning reading instruction and literacy development for the elementary grades. Requires Teacher Education Program eligibility.
343. **Collaborative Reading (3).** *Corequisites: SPE 331, 340, and 348.* The purpose of this course is to provide information regarding methods, materials, and research findings concerned with beginning reading instruction for the elementary grades. Requires Teacher Education Program eligibility.
354. **Reading Diagnosis (3).** *Prerequisites: RDG 342 or 343.* Methods and materials in reading and literacy development in elementary grades with emphasis on diagnostic, remediation, and enrichment strategies along with progress monitoring of reading progress. Requires Teacher Education Program eligibility.

**SPECIAL EDUCATION (SPE)
COURSE DESCRIPTIONS**

300. **Survey of Exceptional Children and Youth (3).** An introductory course to the field of exceptional children and youth.
330. **Assessment of Teaching and Learning (3).** *Corequisites: SPE 334, SPE 338 and SPE 341.* Introduction to assessment, techniques appropriate in evaluating teaching/learning of exceptional students, legal considerations and development of Individualized Educational Programs. Requires Teacher Education Program eligibility.
331. **Special Education Administrative Processes (3).** *Corequisites: SPE 340, SPE 348, and RDG 343.* Administrative processes for special education including Mastering the Maze, planning for classroom, Individualized Education Planning, Lesson Planning, SETS training, Introduction of Behavior Intervention Plans and Transition Plans. Requires Teacher Education Program eligibility.
332. **Medical, Legal, and Ethical Issues (3)** This course will cover federal laws, rules, and regulations governing and/or impacting on programs for exceptional students, litigation cases that have impact on individuals with exceptionalities, interdisciplinary collaboration with health care professionals and other agencies, the role other disciplines and agencies play in meeting the needs of children with exceptionalities, the needs and management techniques for students who have communicable diseases and medical diagnosis or who are considered medically fragile and the adverse effect of these conditions on learning and family functioning, medications, administration of medications, and school healthcare procedures, and professionalism and ethics in teaching individuals with exceptionalities. May be taken prior to achieving Teacher Education Program eligibility.
334. **Educational and Assistive Technologies (3).** *Corequisites: SPE 330, 338, and 341.* This course is designed to examine the many accessibility features within a computer, as well as hand held devices. This course will also cover how to utilize accessibility features and applications to meet individual student needs within the school setting. Requires Teacher Education Program eligibility.
335. **Diversity and Culturally Responsive Teaching (3).** This course will center on the necessity of culturally responsive teaching beginning with the preparation of the prospective teacher. Students will determine the importance of including students' cultural references in all aspects of teaching while continually examining their own. There will be an emphasis on cultural and linguistic diversity and exceptionally. May be taken prior to Teacher Education Program eligibility.
336. **Clinical Observation of Special Education K-12 (3).** *Prerequisite: SPE 300. Corequisites: SPE 334, SPE 338, SPE 339, and SPE 341.* Clinical observation. In-school observation of special education classrooms and inclusive general education classrooms for students with mild and severe disabilities. Requires Teacher Education Program eligibility.
337. **Collaboration Process for the Elementary Inclusive Classroom (3).** *Prerequisite: SPE 300. Corequisites: SPE 330, SPE 331, SPE 340, and RDG 343.* Strategies for meeting educational needs of students with mild disabilities in elementary inclusive general education classrooms or special education classrooms. Includes collaboration, co-teaching, and response to intervention procedures. Requires Teacher Education Program eligibility.
338. **Collaborative Math (3).** *Corequisites: SPE 330, 334, and 341.* This course focuses on strategies for math instruction for students with disabilities in K-12 general education and special education classrooms. Requires Teacher Education Program eligibility.
339. **Collaborative Processes in Secondary Classrooms (3).** *Prerequisite: SPE 300. Corequisites: SPE 334, 336, 338, and 341.* This course is designed to provide students with an understanding of collaborative and co-teaching models and prepare them to implement these models in the inclusive setting. The course also covers student engagement, overview of course content standards and how to plan neurodiversity within the inclusive secondary classroom. Requires Teacher Education Program eligibility.
340. **Practicum in Mild Disabilities K-6 (3).** *Prerequisite: SPE 300. Corequisites: SPE 331, SPE 348, and RDG 343.* Directed experiences in observation and participation in special education classrooms and general education classrooms (K-6) with students with mild disabilities. Requires Teacher Education Program eligibility.
341. **Practicum in Mild Disabilities 6-12 (3).** *Prerequisite: SPE 340. Corequisites: SPE 330, SPE 334, and SPE 338.* Directed experiences in observation and participation in special education classrooms and inclusive general education classrooms (6-12) with students with mild disabilities. Requires Teacher Education Program eligibility.
348. **Collaboration in Elementary and Secondary (3).** *Prerequisites: SPE 300. Corequisites: RDG 343, SPE 331, and SPE 340.* Strategies for meeting the educational needs of students with mild disabilities in elementary and secondary inclusive general education classrooms or special education classrooms. Includes collaboration, co-teaching, and response to intervention procedures. Requires Teacher Education Program eligibility.
349. **Collaboration in the Secondary Classroom (3).** This course is designed to provide students with an understanding of collaborative and co-teaching models and prepare them to implement these models in the inclusive setting. The course also covers student engagement, overview of course content standards, and how to plan neurodiversity within the secondary classroom. Requires Teacher Education Program eligibility.
387. **Sign Language and Deafness I (3).** Introduces major sign systems used by the deaf. Students acquire basic sign vocabulary of 750 words and idiomatic expressions.

388. **Sign Language and Deafness II (3).** *Prerequisite: SPE 387 or permission of instructor.* Continues acquisition of sign vocabulary and focuses on development of ASL and Pidgin skills.
423. **Methods for Severe Disabilities (3).** *Corequisites: SPE 426, 427, and 442.* This course will include accommodations and modifications to the instructional program to assist students with severe disabilities to succeed. Topics covered will include assistive technology, self-contained and resource room models, extended standards, task analysis, physical management, lifting, wheel chair maintenance, ambulation, positioning, and communication skill development, including AAC. Requires Teacher Education Program eligibility.
424. **Methods and Strategies for Learning and Behavior K-12 (3).** *Prerequisite: SPE 300.* This course is designed to introduce inclusion strategies for creating an inclusive environment, individual curricular and instructional accommodations, as well as individual assessment and program evaluation for students with disabilities in a variety of educational settings. Requires Teacher Education Program eligibility.
425. **Methods for Autism Spectrum Disorder (3).** *Prerequisite: SPE 300.* This is a weekly seminar that focuses on Autism Spectrum Disorder. It consists of a series of seminars on major topics related to ASD such as: historical timeline, diagnosis and assessment, advocacy, current research and statistics, behavioral interventions, classroom support and services, transition and it covers the lifespan. Requires Teacher Education Program eligibility.
426. **Augmentative and Alternative Communication (3).** *Corequisites: SPE 423, 427, and 442.* Instruction of classroom strategies for teaching communication skills to students with low-incidence disabilities. Included will be how to assess existing communication abilities of students with severe disabilities, and instruction on how to integrate use of aided and unaided augmentative and alternative communication (AAC) to include finger spelling, sign language, gestures, body language (total communication), augmentative and alternative communication systems and voice output communication aids (VOCAS), both low-tech and high-tech. Requires Teacher Education Program eligibility.
427. **Behavior and Classroom Management (3).** *Corequisites: SPE 423, 426, and 442.* Examines inclusive teaching, planning for neurodiversity in the classroom, behavior management, applied behavioral analysis, functional assessment, positive behavioral support and behavior intervention. Requires Teacher Education Program eligibility.
440. **Practicum in Severe Disabilities K-6 (2).** *Corequisites: SPE 423, 426, 427, and 441.* Practicum in Low Incidence/Severe Disabilities. Directed experiences in observation and participation in special education classrooms for students with severe disabilities. Seminars will be held in conjunction with this course. Requires Teacher Education Program eligibility.
441. **Practicum in Severe Disabilities 6-12 (2).** *Corequisites: SPE 423, 427, 426, and 440.* Practicum in Low Incidence/Severe Disabilities. Directed experiences in observation and participation in special education classrooms for students with severe disabilities in secondary school settings. Seminars will be held in conjunction with this course. Requires Teacher Education Program eligibility.
442. **Practicum in Severe Disabilities K-12 (3).** *Corequisites: SPE 423, SPE 426, and SPE 427.* Directed experiences with K-12 students in self-contained special education classrooms designed for severe disabilities. Requires Teacher Education Program Eligibility.

DEPARTMENT OF FAMILY AND CONSUMER SCIENCES

215 EAST MASON HALL

Department Head: Debra K. Goodwin

Professor: Goodwin

Assistant Professor: Frazier, Townsel

Instructor: Boggs, Marsh, Murray

The Department of Family and Consumer Sciences offers two degree programs: (1) **Bachelor of Science in Education degree in Family and Consumer Sciences and support courses for a Bachelor of Science in Education degree in Business Marketing Education;** (2) **Bachelor of Science degree with a major in Family and Consumer Sciences** with six concentrations: Child Development, Community Nutrition, Dietetics, Human Sciences, Merchandising, and Hospitality and Culinary Management. Minors offered within the department include: Family and Consumer Sciences, Child Development, Fashion Merchandising, Nutrition and Foods, Hospitality and Culinary Management, and Human Sciences. The minor in Family and Consumer Sciences may be earned by completing 21 hours to include the following courses: FCS 122, 131 or 331, 215 or 322, 352 and 353, 355, 371, and 471. The Department of Family and Consumer Sciences is accredited by the American Association of Family and Consumer Sciences.

BACHELOR OF SCIENCE IN EDUCATION

Teaching Field in Family and Consumer Sciences Education

A Bachelor of Science in Education degree in Family and Consumer Sciences Education is offered. Students who meet the requirements for this major will be eligible to apply for a baccalaureate level Professional Certificate. This certificate

is acceptable for the teaching of Family and Consumer Sciences in the secondary schools of Alabama. Majors in Family and Consumer Sciences Education are also qualified for positions in Cooperative Extension Service, business, foodservice supervision, and other related fields. Teacher Education Programs may be altered to meet changes in federal and Alabama State Department of Education regulations.

BACHELOR OF SCIENCE IN EDUCATION

Teaching Field: Family and Consumer Sciences Education

FRESHMAN YEAR

Fall	Spring
EH 101 English Composition I.....3	EH 102 English Composition II.....3
History*.....3	EH 141 Oral Communication.....3
MS 110 Finite Mathematics.....3	Sciences*.....4
FCS 122 Fundamentals of Food Preparation.....3	Social Science*.....3
Sciences*.....4	Literature*.....3
STU 101 First Year Experience Course.....0	
16	16

SOPHOMORE YEAR

Fall	Spring
Fine Arts*.....3	FCS 355 Family Life Education.....3
FCS 215 Introduction to Nutrition.....3	History or Social Science*.....3
FCS 232 Textiles.....3	Literature or Fine Arts*.....3
FCS 131 Clothing Construction.....3	FCS 371 Management of Family Resources.....3
FCS 200 Seminar in FCS.....2	Social Sciences*.....3
Elective.....3	Elective.....2
17	17

JUNIOR YEAR

Fall	Spring
ED 302 Foundations of Teacher Education.....3	CTE 362 Principles of CTE.....3
CTE 350 Prof and Tech Competencies for CTE.....3	CTE 383 Curriculum and Literacy.....3
SPE 300 Survey of Exceptional Children & Youth...3	FCS 454 Admin and Supervision in Child Care.....3
SPE 300 Survey of Exceptional Children & Youth...3	FIN 311 Personal Finance.....3
FCS 325 Quantity Foods.....3	FCS 352 Child Development.....2
	FCS 353 Child Development Lab.....1
15	15

SUMMER SEMESTER

CTE 444 Assessment in CTE.....3	
	3

SENIOR YEAR

Fall	Spring
CTE 460 Practicum in CTE.....3	ED 495 Internship in Education.....3
CTE 461 Effective Teaching Methods in CTE.....3	ED 496 Reflective Practices in Education.....6
FCS 471 Family Housing and Interiors.....3	CTE 475 Functions of the Coordinator.....3
Elective.....3	
Elective.....3	
15	12

TOTAL HOURS: 126

*See General Studies Curriculum

Note: All professional education courses and selected teaching field courses must be completed at JSU and may not be transferred from another institution. Please check with your academic department for a complete list of these courses.

BACHELOR OF SCIENCE IN EDUCATION
Teaching Field: Business Marketing Education

FRESHMAN YEAR

Fall	Spring
EH 101 English Composition I.....3	EH 102 English Composition II3
MS 112 Precalculus Algebra3	EH 141 Oral Communication.....3
STU 101 First Year Experience Course0	Sciences*4
History*3	History or Social Science*3
Sciences*4	Literature*3
AE 201 Technology3	
Elective2	
18	16

SOPHOMORE YEAR

Fall	Spring
EC 2213	EC 222 Principles of Microeconomics.....3
ST 260.....3	ST 261 Statistics/Quantitative Methods II.....3
ACC 200.....3	ACC 210 Principles of Accounting I.....3
Fine Arts*3	Literature or Fine Arts*3
	Elective2
12	14

JUNIOR YEAR

Fall	Spring
ED 302 Foundations in Teacher Education3	CTE 362 Principles of CTE3
CTE 350 Prof and Tech Competencies for CTE3	CTE 383 Curriculum and Literacy3
SPE 300 Sur of Except Children and Youth or SPE 349 Collaboration in the Sec Classroom.....3	Teaching Field Class.....3
MGT 301 Principles of Management.....3	Teaching Field Class.....3
MKT 301 Principles of Marketing.....3	Teaching Field Class.....3
15	15

SUMMER SEMESTER

CTE 444 Assessment in CTE..... 3	3
----------------------------------	---

SENIOR YEAR

Fall	Spring
CTE 460 Practicum in CTE3	ED 495 Internship in Education.....3
CTE 461 Effective Teaching Methods in CTE3	ED 496 Reflective Practices in Education6
Teaching Field Class.....3	CTE 475 Functions of the Coordinator3
Teaching Field Class.....3	
Teaching Field Class.....3	
15	12

TOTAL HOURS: 120

 *See General Studies Curriculum

BACHELOR OF SCIENCE
MAJOR IN FAMILY AND CONSUMER SCIENCES
Concentration: Child Development

The concentration in Child Development offers academic background and field experience necessary to understand and work with children and their families. The curriculum is designed to prepare individuals for Child Development-

related careers in a variety of employment settings. Methods of delivery of the Child Development curriculum include both traditional and online versions. This concentration does not meet requirements for teacher certification.

A minor in Child Development may be obtained by completing 18 hours including: FCS 351 or 352/353, 355, 450, 452, 454, and three hours of FCS 463. The minor in Child Development provides students majoring in other fields the opportunity to develop an understanding of the nature of child development.

Child Development - Traditional Classroom

FRESHMAN YEAR

Fall	Spring
EH Comp 101 3	EH Comp 102 3
Natural Science/ Analysis*4	EH 141 Oral Communication3
MS 110 Finite Math or higher level 3	History*3
MSC 115 First Aid or HPE 109 Wellness3	Natural Science/ Analysis *4
Soc/Behavioral Science *3	Fine Arts Elective *3
STU 101.....0	
16	16

SOPHOMORE YEAR

Fall	Spring
FCS 215 Intro to Nutrition3	Literature*3
FCS 355 Family Life Ed3	CS 201 Intro Information Tech*3
History*3	FCS 352 Child Growth and Dev2
Literature*3	FCS 353 Child Growth Lab1
ACC 200 Principles of Acc.3	Soc/Behavioral Sciences*3
FCS 122 Fund Food Prep3	SPE 300 Survey of Exceptional Child3
	FCS 200 Seminar in FCS2
18	17

JUNIOR YEAR

Fall	Spring
FCS 350 Lifespan Human Dev3	FCS 332 Soc Cult Aspects 3
FCS 360 Contemp Issues Human Dev3	FCS 371 Mgt Family Resources3
FCS 450 Curriculum Plan CD3	FCS 454 Admin and Supervision CD3
FIN 311 Personal Finance Planning3	FCS 457 Adv Child Dev II3
General Electives5	FCS 459 Family Interaction3
	General Electives2
17	17

SENIOR YEAR

Fall	Spring
FCS 453 Parent-Child Rel.....3	FCS 460 Dir Field Exp CD6
FCS 456 Adv Child Dev I.....3	MGT 301 Principles of Mgt3
FCS 471 Fam Housing and Int3	General Electives3
General Electives6	
15	12

TOTAL HOURS: 128

*See General Studies Curriculum

Child Development – Online Classroom

FRESHMAN YEAR

Fall	Spring
EH Comp 101.....3	EH Comp 102.3
Natural Science/ Analysis*4	EH 141 Oral Communication.....3
MS 110 Finite Math or higher level3	History*3
MSC 115 First Aid or HPE 109 Wellness3	Natural Science/Analysis*4
Soc/Behavioral Science*3	Fine Arts Elective*3
STU 101.....0	
16	16

SOPHOMORE YEAR

Fall	Spring
FCS 215 Intro to Nutrition3	Literature3
FCS 355 Family Life Ed3	CS 201 Intro Information Tech*3
History*3	FCS 351 The Developing Child.....3
Literature*3	Soc/Behavioral Sciences*3
ACC 200 Principles of Acc.....3	SPE 300 Survey of Exceptional Ch3
FCS 122 Fun Food Prep3	FCS 200 Seminar in FCS.....2
18	17

JUNIOR YEAR

Fall	Spring
FCS 332 Soc Cult Aspects.....3	FCS 471 Family Housing and Int.....3
FCS 350 Lifespan Human Dev3	FCS 454 Admin and Supervision3
FCS 360 Contemp Issues Human3	FCS 457 Adv Child Dev3
FCS 450 Curriculum Plan CD3	FCS 459 Family Interaction3
FIN 311 Personal Finance3	General Electives5
General Electives.....2	
17	17

SENIOR YEAR

Fall	Spring
FCS 453 Parent-Child Rel.....3	FCS 460 Dir Field Exp CD6
FCS 371 Mgt Family Resources.....3	MGT 301 Principles of Mgt3
FCS 456 Adv Child Dev I.....3	General Electives3
General Electives.....6	
15	12

TOTAL HOURS: 128

*See General Studies Curriculum

BACHELOR OF SCIENCE MAJOR IN FAMILY AND CONSUMER SCIENCES

Concentration: Human Sciences

The concentration in Human Sciences offers the educational background needed for positions in a variety of human and community service positions, including cooperative extension service, business, social services, and community agencies. The concentration provides an overall discipline-based knowledge in all areas of Family and Consumer Sciences in a traditional and an online format.

A minor in Human Sciences may be obtained by completing 20 hours in Family and Consumer Sciences courses, including these required courses: FCS 339, 355, 459, and 464. For the remaining nine hours students may choose from FCS 122, 131, 215, 325, 326, 332, 338, 352/353, 360, 371, or 471. Prerequisites will apply.

Human Sciences – Traditional Classroom

FRESHMAN YEAR

Fall		Spring	
EH Comp 101.....	3	EH Comp 102	3
History*	3	EH 141 Oral Communication	3
MS 110 or higher	3	History*	3
FCS 122 Fund of Food Prep	3	PSY 201 Principles of Psychology	3
FCS 131 Clothing Construction	3	SY 221 Introduction to Sociology	3
STU 101.....	0		
	<hr/>		<hr/>
	15		15

SOPHOMORE YEAR

Fall		Spring	
Literature*	3	Literature*	3
Natural Science *	4	Natural Science *	4
HPE 109 Concepts Wellness.....	3	EC 221 Prin of Microeconomics	3
FCS 355 Family Life Ed	3	FCS 215 Intro to Nutrition	3
FCS 371 Resource Mgt.....	3	FCS 200 Seminar in FCS.....	2
	<hr/>		<hr/>
	16		15

JUNIOR YEAR

Fall		Spring	
FCS 335 Visual Merchandising	3	Fine Arts Elective*	3
FCS 352 Child Growth and Dev	2	FCS 327 Nutrition Life cycle	3
FCS 353 Child Growth Lab	1	FCS 332 Soc Cultural Aspects	3
MGT 301 Principles Mgt	3	FCS 350 Lifespan Dev	3
FCS 331 Fashion Fund	3	General Electives	3
MKT 301 Principles of Marketing	3		
	<hr/>		<hr/>
	15		15

SENIOR YEAR

Fall		Spring	
FCS 339 Prof Comm in FCS	2	MGT 330 Entrepreneurship	3
FCS 471 Family Housing and Interiors	3	FCS 458 Research /Stats Methods.....	3
FCS 459 Family Interaction.....	3	FCS 338 Community Nutrition.....	3
FCS 326 Food Safety and Sanitation.....	3	SPE 300 Survey of the Except Child.....	3
FCS 464 Human Science Practicum	3	General Electives	3
	<hr/>		<hr/>
	14		15

TOTAL HOURS: 120

*See General Studies Curriculum

Human Sciences – Online Classroom

FRESHMAN YEAR

Fall		Spring	
English Comp 101.....	3	English Comp 102.....	3
PSY 201 Psychology.....	3	SY 221 Sociology	3
History*	3	History*	3
HPE 109 Wellness	3	FCS 215 Introductory Nutrition	3
FCS 122 Fund Food Prep	3	FCS 131 Clothing Const.....	3
STU 101	0		
	<hr/>		<hr/>
	15		15

SOPHOMORE YEAR

Fall	Spring
Literature*3	Literature*3
Natural Science*4	Natural Science*4
EH 141 Oral Comm.....3	Fine Arts Elective*3
FCS 200 Seminar.....2	FCS 339 Prof Communications2
MS 110* or higher level3	FCS 355 Family Life Ed3
15	15

JUNIOR YEAR

Fall	Spring
FCS 325 Quantity Foods.....3	SPE 300 Survey of Exp Child3
FCS 332 Soc/Cul Apparel.....3	FCS 351 The Dev Child
FCS 343 Virtual Merchandising.....3	or FCS 360 Contemporary Issues3
FCS 350 Lifespan Human Dev3	FCS 371 Resource Mgt3
EC 221 Principles Microecon3	FCS 327 Nutrition Life Cycle3
MKT 301 Principles MKT3	FCS 333 Family Clothing3
18	18

SENIOR YEAR

Fall	Spring
FCS 464 Human Sciences Practicum.....3	FCS 471 Family Housing/Interiors.....3
FCS 458 Research in FCS.....3	FCS 459 Family Interaction3
Elective3	Elective3
MGT 305 Org Behavior	FCS 338 Community Nutrition.....3
or MGT 385 Human Resource Mgt3	
12	12

TOTAL HOURS: 120

*See General Studies Curriculum

BACHELOR OF SCIENCE MAJOR IN FAMILY AND CONSUMER SCIENCES Concentration: Merchandising

The concentration in Merchandising offers the educational background needed for positions as buyers, managers, and consultants for retail stores and related businesses in the area of merchandising. A minor in Fashion Merchandising may be obtained by completing a minimum of 18 hours, including: FCS 232, 331, 332, 335 and six hours from the following courses: FCS 131, 431, 432, 434 or 435.

FRESHMAN YEAR

Fall	Spring
EH Comp 1013	EH Comp 1023
Natural Science*4	EH 141 Oral Communication3
MS 110 or higher level3	History*3
History*3	Natural Science*4
FCS 131 Clothing Construction3	Fine Arts3
STU 101.....0	
16	16

SOPHOMORE YEAR

Fall	Spring
Literature*3	Literature*3
FCS 215 Intro Nutrition3	CS 201 Intro to Info Tech*3
FCS 232 Textiles3	ART 233 Design3
EC 221 Economics3	FCS 352 Child Growth and Dev2
PSY 201 Psychology or SY 221 Intro to Soc3	and FCS 353 Child Growth Lab.....1
General Electives1	or FCS 350 Lifespan Hum Dev3
	FCS 200 Seminar in FCS.....2
16	14

JUNIOR YEAR

Fall	Spring
MKT 301 Principles of Mkt3	FCS 332 Soc Cult Aspects3
MGT 301 Principles of Mgt3	FCS 371 Mgt of Family Resources.....3
FCS 331 Fash Fund and Merch3	FCS 335 Visual Merchandising.....3
FCS 355 Family Life Ed3	MKT 378 Cons Behavior3
General Electives1	MKT 394 Retailing3
13	15

SENIOR YEAR

Fall	Spring
FCS 471, Family Housing and Interiors3	FCS 430 Sr Experiences in Merch3
MKT 488 Advertising3	FCS 431 Textiles App Global Econ3
FCS 435 Merch Planning Analysis3	FCS 432 History of Fashion.....3
MKT 361 Sales/Sales Force Mgt.....3	FCS 434 Apparel Design3
COM 345 Social Media and Society3	General Electives3
15	15

TOTAL HOURS: 120

*See General Studies Curriculum

BACHELOR OF SCIENCE MAJOR IN FAMILY AND CONSUMER SCIENCES

Concentration: Dietetics

The Didactic Program in Dietetics at JSU is accredited by the Accreditation Council (ACEND) for Education Nutrition and Dietetics, 216 W. Jackson Blvd., Chicago, IL 60606-6995, (312) 899-5400. Following graduation, each student must complete a supervised practice program accredited by the Accreditation Council for Education in Nutrition and Dietetics of the Academy of Nutrition and Dietetics to qualify for the national examination to become a registered dietitian.

Students must be assessed into the Didactic Dietetics program the last semester of the sophomore year. For assessment into upper division Didactic Dietetics program, students must successfully complete a career assessment exam and all courses listed for the freshman and sophomore years with a minimum grade point average of 3.00 on a 4.00 scale and must maintain this average throughout the program. Students must also earn a minimum grade of "B" on all science based courses. The assessment process for the Didactic Dietetics program is outlined on the FCS website. Additional information may be obtained online or from program directors.

A minor in Nutrition and Foods may be obtained by completing 18 hours, including FCS 122, 322, and 338 and nine hours from the following courses: FCS 326, 327, 337, 420, 421, 427, 429, or 448.

FRESHMAN YEAR

Fall	Spring
EH Comp 101.....3	EH Comp 1023
MS 112 Precalculus Algebra.....3	EH 141 Oral Communication.....3
FCS 122 Fund of Food Prep.....3	CY 116 Concepts of Chem II4
BY 101, 103 Intro to Biology4	BY 263 Human Anatomy and Phys I.....4
CY 115 Concepts of Chem I.....4	PSY 201 or SY 2213
STU 101 First Year Experience0	
17	17

SOPHOMORE YEAR

Fall	Spring
FCS 322 Normal Nutrition.....3	FCS 328 Career Paths in Nutr and Diet.....1
BY 264 Human Anatomy and Phys II.....4	MS 204 Basic Statistics.....3
Literature*3	Literature*3
History*3	History*3
FCS 200 Seminar in FCS2	FCS 355 Family Life Ed3
Fine Arts Elective*.....3	EC 222 Prin of Macroecon3
18	16

JUNIOR YEAR

Fall	Spring
FCS 323 Experimental Foods.....3	FCS 337 Methods of Nutrition Assessment3
FCS 326 Food Safety and Sanitation.....3	FCS 327 Nutrition in the Life Cycle3
FCS 332 Soc Cult Aspects.....3	FCS 338 Community Nutrition.....3
MGT 301 Principles of Mgt.....3	FCS 352 Child Growth and Dev2
EH 322 Technical Writing.....3	and FCS 353 Child Growth Lab.....1
	or FCS 350 Lifespan Human Dev3
	HPE 400 Exercise Phys.....3
15	15

SENIOR YEAR

Fall	Spring
FCS 325 Quantity Foods.....3	FCS 422 Foodservice Mgt3
FCS 371 Mgt of Fam Resources.....3	FCS 421 Med Nutr Therapy II.....3
FCS 420 Med Nutr Therapy I.....3	FCS 448 Alternative Medicine3
FCS 429 Adv Nutr Metab.....3	FCS 471 Family Housing and Interiors3
FCS 339 Prof Comm in FCS2	FCS 458 Research/Stats Methods.....3
Gen Elect1	
15	15

TOTAL HOURS: 128

*See General Studies Curriculum

BACHELOR OF SCIENCE MAJOR IN FAMILY AND CONSUMER SCIENCES Concentration: Community Nutrition

The concentration in Community Nutrition offers the academic background needed for positions in a variety of community agencies that provide nutrition services for individuals, families, and groups. This concentration does not qualify for entry into the Didactic Program in Dietetics.

FRESHMAN YEAR

Fall	Spring
EH Comp 101.....3	EH Comp 1023
MS 112 Precalculus Algebra.....3	EH 141 Oral Communication.....3
FCS 122 Fund of Food Prep.....3	FCS 200 Seminar in FCS.....2
BY 101, 103 Intro to Biology4	PSY 201 Intro to Psychology3
CY 115 Concepts of Chem I.....4	BY 263 Human Anatomy4
STU 101 First Year Experience0	
17	15

SOPHOMORE YEAR

Fall	Spring
FCS 322 Normal Nutrition.....3	FCS 328 Career Paths in Nutr and Diet.....1
SY 221 Intro to Sociology3	MS 204 Basic Statistics.....3
Literature*3	Literature*3
History*3	History*3
Fine Arts Elective*.....3	FCS 355 Family Life Ed3
	EC 222 Prin of Macroecon3
15	16

JUNIOR YEAR

Fall	Spring
FCS 326 Food Safety and Sanitation.....3	MKT 301 Principles of Marketing3
FCS 332 Soc Cult Aspects.....3	FCS 327 Nutrition in the Life Cycle3
MGT 301 Principles of Mgt.....3	FCS 338 Community Nutrition.....3
EH 322 Technical Writing.....3	FCS 350 Lifespan Human Dev3
General Electives.....2	HPE 315 Comm and Consumer Health.....3
14	15

SENIOR YEAR

Fall	Spring
FCS 325 Quantity Foods.....3	SY 364 Medicine and Society3
FCS 371 Mgt of Fam Resources.....3	FCS 428 International Foods3
FCS 339 Prof Comm in FCS2	FCS 448 Alternative Medicine3
FCS 471 Family Housing and Interiors.....3	FCS 458 Research/Stats Methods.....3
HPE 232 Sports Safety and First Aid.....2	HP3 318 Health for Spec Populations.....3
13	15

TOTAL HOURS: 120

*See General Studies Curriculum

**BACHELOR OF SCIENCE
MAJOR IN FAMILY AND CONSUMER SCIENCES
Concentration: Hospitality and Culinary Management**

The concentration in Hospitality and Culinary Management offers academic background and field experience in the hospitality industry and is planned for individuals interested in management positions in culinary arts. A minor may be earned in Hospitality and Culinary Management by completing 18 hours, including FCS 122, 323, 325, 422, and six hours from the following courses: FCS 132, 326, 428, 438 or 441.

FRESHMAN YEAR

Fall	Spring
EH Comp 1013	EH Comp 1023
History*3	EH 141 Oral Communication.....3
BY 101, 1034	BY 102, 1044
FCS 122 Fund of Food Prep3	FCS 132 Culinary Science3
SY 221 Intro to Soc3	Fine Arts Elective*3
STU 101.....0	
16	16

SOPHOMORE YEAR

Fall	Spring
Literature*3	Literature*3
MS 112 Precalculus Algebra3	MS 204 Basic Statistics.....3
EC 221 Economics3	EC 222 Economics3
FCS 223 Science of Service Quality.....2	FCS 200 Seminar in FCS2
FCS 326 Food Safety3	FCS 215 Intro to Nutrition.....3
14	14

JUNIOR YEAR

Fall	Spring
MGT 301 Principles of Management.....3	MGT 305 Org Behav or MGT 385 HR Mgt.....3
ACC 200 Principles Financial Acc3	FCS 371 Resource Mgt3
FCS 323 Experimental Foods3	ACC 210 Principles Managerial Acc.....3
FCS 355 Family Life Education.....3	FCS 352 Child Growth and Dev2
FIN 301 Business Finance3	and FCS 353 Child Growth Lab.....1
	or FCS 350 Lifespan Hum Dev3
	FCS 332 Social Cultural Aspects of Apparel.....3
15	15

SENIOR YEAR

Fall	Spring
FCS 335 Visual Merchandising3	FCS 471 Family Housing and Interiors3
FCS 325 Quantity Food Production.....3	FCS 428 International Foods3
MKT 301 Principles of Marketing3	FCS 441 Practicum in Hosp and Tour3
FCS 441 Practicum in Hosp and Tour.....3	FCS 438 Principles of Culinary Mgt.....3
CBA 390 Operations Mgt.....3	FCS 422 Foodservice Mgt3
15	15

TOTAL HOURS: 120

*See General Studies Curriculum

FAMILY AND CONSUMER SCIENCES (FCS) COURSE DESCRIPTIONS

122. **Fundamentals of Food Preparation and Meal Management (3).** Lecture and laboratory experiences. Introduction to the study of food, including selection, principles of preparation, evaluation of food products, survey of the market place, and management of resources in the preparation and serving of food.
131. **Clothing Construction (3).** Personal appearance, selection, and care of clothing and textiles. Fundamentals of clothing construction, pattern selection, and fit. Application of fundamentals through garment construction.
132. **Culinary Science (3).** *Prerequisite: FCS 122.* An introduction to the study of commercial food production, including fundamental cooking techniques, knife and hand-tool skills, flavor affinities, and visually pleasing culinary presentations.
200. **Seminar in Family and Consumer Sciences (2).** The philosophical base of family and consumer sciences and issues affecting the profession. Emphasis on managing the challenges of living and working in a diverse global society. Preparation of students for success, including résumé writing, professional presentations, and the development of communication skills.

215. **Introductory Nutrition (3).** Introduction to the principles of nutrition, including nutrient requirements for individuals of all ages.
223. **The Science of Service Quality (2).** Introduction to the service quality concept, particularly as it relates to the hospitality industry. Emphasis on theories and principles of service quality.
232. **Textiles (3).** Textile fabrics, their composition, structure and use, along with weaves, finishes and care. Natural and manmade fibers used in clothing.
301. **Career Paths in Dietetics (1).** *Prerequisite: Junior standing.* A survey of the career paths in dietetics and the process for entering the field.
322. **Normal Nutrition (3).** *Prerequisites: CY 115 and BY 263.* Application of fundamentals of human nutrition, including various nutrients and requirements for different individuals and groups.
323. **Experimental Foods (3).** *Prerequisite: FCS 122.* Lecture and laboratory experiences. The advanced study of food, including the physical and chemical properties of food and factors affecting the quality of standard food products.
325. **Quantity Food Production (3).** *Prerequisite: FCS 122.* Lectures and laboratory experiences. Introduction to institutional preparation and service of food, equipment operation and maintenance, menu planning and recipe standardization.
326. **Food Safety and Sanitation (3).** *Prerequisites: Four hours of natural sciences and FCS 122.* An introduction to food borne illnesses, safe food preparation practices, microbiological considerations for specific foodservice systems, and regulatory laws for foodservice establishments.
327. **Nutrition in the Life Cycle (3).** *Prerequisite: FCS 322.* How age, growth and normal development influence the nutritional requirements for individuals at each stage of the life cycle.
328. **Career Paths in Nutrition and Dietetics (1).** *Prerequisites: FCS 122 and 322.* A survey of the careers in nutrition and dietetics. Students will complete the Nutrition Career Assessment Exam for assessment into the Dietetics Program.
330. **Braids, Trims, and Stitchery (3).** The use of individuality in creating unusual trims and accessories for dress.
331. **Fashion Fundamentals and Merchandising (3).** *Prerequisite: Sophomore status.* Organization and structure of the fashion industry with emphasis on retailing, sources of information, and fashion trends.
332. **Social Cultural Aspects of Apparel (3).** Overview of social, psychological, and cultural aspects of apparel.
333. **Family Clothing (3).** Planning, selection, purchasing and care of family clothing. **334.Flat Pattern Design (3).** *Prerequisite: FCS 131.* Application of fundamental principles and procedures in the development and use of the master pattern. Applying flat pattern principles to designing patterns, fitting and altering commercial patterns.
335. **Visual Merchandising (3).** *Prerequisite: Sophomore standing.* Design principles applied to various display needs. Investigation and practical experience in planning, executing, and evaluation of 2-D and 3-D displays for commercial, educational, and other needs.
337. **Methods of Nutritional Assessment (3).** *Prerequisite: FCS 322.* An introduction to the profession and practice of dietetics, emphasizing assessment techniques, feeding modalities, and counseling methods.
338. **Community Nutrition (3).** *Prerequisite: FCS 215 or 322.* Application of community nutrition strategies to health care problems and exploration of approaches useful in the design and evaluation of these programs.
339. **Professional Communications in FCS (2).** The fundamentals of communication skills essential for professions related to the field of Family and Consumer Sciences. Emphasis on materials and methods necessary for satisfactory communication.
343. **Virtual Merchandising (3).** Design principles applied to various promotional and presentation tools, such as displays, brochures, and bulletin boards. This course will focus on the investigation and practical experience in planning, executing, and evaluation of displays for commercial, educational, and other needs.
350. **Lifespan Human Development (3).** Overview of physical, intellectual, social, and emotional development from conception to death. Practical application of information to life stages and outside observations will be included.
351. **The Developing Child (3).** Development and guidance of young children from infancy through the school years. Not available to students in the traditional Child Development concentration. Includes 12-15 hours of field experience.
352. **Child Growth and Development (2).** Development and guidance of young children from infancy through middle childhood.
353. **Child Growth and Development Laboratory (1).** Taken concurrently with FCS 352 lecture; two hours per week. Methods of guidance of young children.
355. **Family Life Education (3).** A study of family relations and the skills needed to function within the family setting. Emphasis on interpersonal communication, conflict resolution, and parenting.
360. **Contemporary Issues in Human Development (3).** Current topics in the areas of child and/or family development.
371. **Management of Family Resources (3).** *Prerequisite: Sophomore standing.* Focuses on the practical application of management principles for use of resources to maximize individual and family quality of life.

420. **Medical Nutrition Therapy I (3).** *Prerequisites: FCS 322 and 337.* The study of relationships between diseases and nutrition. Application of assessment techniques and alternative feeding modalities in medical/nutritional case studies.
421. **Medical Nutrition Therapy II (3).** *Prerequisite: FCS 420.* A continuation of Medical Nutrition Therapy I. The study of relationships between diseases and nutrition. Application of assessment techniques and alternative feeding modalities in medical/nutritional case studies.
422. **Foodservice Management (3).** *Prerequisites: FCS 122 and MGT 301.* Management techniques and functions in foodservice with emphasis on personnel management, materials management and systems approach to foodservice management.
425. **Practicum in Foodservice Management (3).** *Prerequisite: Approval of instructor.* May be duplicated for credit for a total of six (6) semester hours. Practical experiences in foodservice management obtained in approved institutions. Must be planned in advance.
427. **Special Problems in Family and Consumer Sciences (3).** *Prerequisites: Senior standing and approval of instructor.* May be duplicated for credit for a total of six (6) semester hours. Individual work in selected area.
428. **International Foods (3).** Lecture and laboratory experiences. Study of food practices, preparation and service of dishes typical of countries around the world.
429. **Advanced Nutrition Metabolism (3).** *Prerequisites: FCS 322, BY 263 and PE 400.* Normal nutrition metabolism and an overview of aberrations in normal metabolism as affected by diseases.
430. **Senior Experiences in Fashion Merchandising (3).** *Prerequisites: Senior standing and approval of instructor.* Field experiences in merchandising. May be duplicated for credit for a total of six (6) semester hours.
431. **Textiles and Apparel in the Global Economy (3).** *Prerequisites: FCS 331 and junior standing.* Role of fiber, textile and apparel industries in the international economy. Current issues related to fashion merchandising in the global economy.
432. **History of Fashion (3).** *Prerequisite: Junior standing.* The development of fashion throughout history, with an investigation of the influence of sociological, psychological, economic and cultural factors.
434. **Apparel Design (3).** *Prerequisites: FCS 131, 232 and 331 and junior standing.* Overview of the fashion design and manufacturing process. Examination of fashion illustration, methods of apparel design, creation of an apparel line and practical experiences in apparel design.
435. **Merchandise Planning and Analysis (3).** *Prerequisites: MS 110 or 112, FCS 331, and junior standing.* Application of principles of merchandise management and retail buying to the merchandising of textiles and apparel and accessories.
438. **Principles of Culinary Management (3).** *Prerequisites: FCS 122, 132 and MGT 301.* The study of the evolution of the hospitality industry and how it is currently stratified. Organizational systems, management and career opportunities/salaries will be examined. Hospitality service management is viewed from both a consumer and business perspective.
441. **Practicum in Hospitality and Tourism (3).** *Prerequisite: Approval of instructor.* Practical culinary and tourism experiences in the hospitality industry. May be duplicated for a total of six (6) credit hours.
448. **Alternative Medicine and Dietary Supplements (3).** *Prerequisites: FCS 322 and junior standing.* Advanced study of the safety and efficacy of herbal and dietary supplements; mechanisms of action, including potential drug/herbal/nutrient interactions; evaluation and regulation of health claims.
450. **Curriculum Planning in Child Development (3).** *Prerequisites: Junior standing and FCS 351 or 352/353.* Planning a developmentally appropriate curriculum for a child care program. Includes 12-15 hours of field experience. Background check required.
452. **Overview of Advanced Child Development (Infancy through 5 years) (3).** *Prerequisites: Junior standing and FCS 351 or 352/353.* Study of the biological and environmental influences on development from infancy through age 5. Examine theories, research, the family context, school context, and the impact of diverse family experiences. Not available to students in the traditional or online Child Development concentrations. Includes 12-15 hours of field experience. Background check required.
453. **Parent-Child Relations (3).** *Prerequisites: Junior standing and FCS 351 or 352/353.* Study of the dynamics and reciprocal nature of parent-child relationships, including internal and environmental forces that impact interactions between parents and children.
454. **Administration and Supervision in Child Care Programs (3).** *Prerequisites: Junior standing, FCS 351 or 352/353, FCS 450, and approval of instructor.* The planning, implementing, and evaluating of a child care program. Includes 12-15 hours of field experience. Background check required.
456. **Advanced Child Development I (Infant and Toddler Development) (3).** *Prerequisites: Junior standing and FCS 351 or 352/353.* Study of the biological and environmental influences on development from infancy through toddlerhood. Examine theories, research and the family context. Includes 12-15 hours of field experience. Background check required.
457. **Advanced Child Development II (Ages 3 through 5).** *Prerequisites: Junior standing and FCS 351 or 352/353.* Study of the biological and environmental influences on development from toddlerhood through age five. Examine

theories, research, the family context, school context, and the impact of diverse family experiences. Background check required.

- 458. **Research and Statistical Methods in FCS (3).** *Prerequisite: Junior standing.* Methods and basic skills for conducting, analyzing, and interpreting research.
- 459. **Family Interaction (3).** *Prerequisites: Junior standing and FCS 351 or 352/353.* Study of various theories of family interaction, with an emphasis on understanding the family as a system.
- 460. **Directed Field Experiences (6).** *Prerequisites: Completion of general studies, professional and concentration courses, and approval of academic advisor.* Supervised experiences in a community child care setting with observation and participation in approved programs for children. Background check required.
- 463. **Directed Field Experiences for Child Development Minors (3).** *Prerequisites: Completion of general studies, professional and concentration courses, and approval of academic advisor.* Supervised experiences in a community child care setting with observation and participation in approved programs for children. Not available to students in the traditional or online Child Development concentrations. Background check required.
- 464. **Practicum in Human Sciences (3).** *Prerequisite: This practicum must be taken the last semester of the student's senior year and after completion of all content coursework.* Field observation and experiences in agencies or organizations that provide services in a human sciences field. Practicum site must be approved by the advisor.
- 471. **Family Housing and Interiors (3).** *Prerequisite: Junior standing.* An overview of present-day family housing needs, including location, space needs, house construction and selection, alternative housing, and home furnishings.
- 472. **Creative Expressions in Home Furnishings (3).** Selection and use of household fabrics and materials, including the design and construction of home furnishings and accessories.

CAREER/TECHNICAL EDUCATION (CTE) COURSE DESCRIPTIONS

- 350. **Professional and Technical Competency for Career and Technical Education (3).** Technical skills needed to teach, organize, and maintain career and technical programs in middle and secondary schools. Emphasis on professional skills needed to secure and maintain employment in CTE.
- 362. **Principles of Career and Technical Education (3).** *Requires Teacher Education Program Eligibility* History, philosophy, trends, and issues of career and technical education programs in middle and secondary schools. Includes needs assessment, curriculum planning, and implementation of programs.
- 383. **Curriculum and Literacy (3).** *Requires Teacher Education Program Eligibility.* This course addresses both curriculum and content literacy for Career & Technical Education programs. Course will substitute for ESE 383 for BME majors and FCS education majors only.
- 444. **Assessment of Learning for Career and Technical Education (3).** *Requires Teacher Education Program Eligibility* This course is an introduction to developmentally appropriate evaluation of teaching and learning at the secondary level for career and technical programs. *Requires Teacher Education Program eligibility.*
- 460. **Practicum in CTE (3).** *Requires Teacher Education Program Eligibility* Directed experiences, including observation and participation in career technical education programs and classrooms. Provides an opportunity to observe and apply theories and concepts. Seminars will be held in conjunction with this course. *Must be taken concurrently with CTE 461. Requires Teacher Education Program eligibility.*
- 461. **Effective Teaching of CTE (3).** Planning and implementation of instructional methods and materials in secondary career technical education, nutrition education and community education programs. Field experiences. *Must be taken concurrently with CTE 460. Requires Teacher Education Program eligibility.*
- 475. **Functions of the Coordinator (3).** Technical skills needed to teach, organize, and maintain cooperative education and work-based learning programs in secondary schools.

DEPARTMENT OF SECONDARY EDUCATION

206 RAMONA WOOD HALL

Department Head: Emily Sims
Professor: Akpan
Associate Professor: Mitchell
Assistant Professor: Hammack, Sims

Students majoring in Secondary Education are required to complete an approved program consisting of 122-128 hours leading to a Bachelor of Science degree in Education. Upon completion of an approved program, students will be eligible to apply for the baccalaureate level Professional Certificate. Teacher Education Programs may be altered to meet changes in federal and Alabama State Department of Education regulations.

TEACHER EDUCATION PROGRAMS OFFERED

SECONDARY EDUCATION P-12 PROGRAMS

Music - Instrumental

Music - Vocal/Choral

Spanish

SECONDARY EDUCATION 6-12 PROGRAMS

Biology
General Science

Mathematics

Business and Marketing
General Social Studies

Family and Consumer Sciences

English Language Arts
History

BACHELOR OF SCIENCE IN EDUCATION

The Secondary Education teaching fields (P-12 and grades 6-12) require 122-128 semester hours in an approved plan of study. Specific plans of study for each teaching field are available from the Teacher Service Center, 207 Ramona Wood Hall.

STUDENTS MUST SEE THEIR ASSIGNED ADVISOR IN THE SCHOOL OF EDUCATION TO INSURE COMPLIANCE WITH THEIR APPROVED PLAN OF STUDY.

Note: All professional studies education courses and selected teaching field courses must be completed at JSU and may not be transferred from another institution. Please check with your academic department for a complete list.

Minor in Secondary Education: An undergraduate student may minor in Secondary Education by completing the following 21 semester hours of coursework: ED (2) Introduction to Teacher Education; ESE 329 (3) Adolescent Development and Behavior; *ESE 383 (3) Content Literacy; ESE 440 (3) Diversity and Multicultural Education; *ESE 304 (3) Curriculum Planning and Learning Styles; *ESE 455 (3) Classroom Management; SPE 300 (3) Survey of Exceptional Children and Youth.

*Requires eligibility to Teacher Education.

SECONDARY EDUCATION (ESE) COURSE DESCRIPTIONS

The curriculum in Secondary Education is for students seeking certification in grades 6-12. The Department of Secondary Education's attendance policy requires students to attend 90% of all scheduled class meetings. All field experiences (i.e., ESE 306 and 485) require proof of liability insurance.

- 304. Curriculum Planning and Learning Styles (3).** *Corequisite: ESE 306. Requires Teacher Education Program eligibility.* Provides an introduction to all aspects of appropriate curriculum planning for secondary educators, differentiation required for teaching in the diverse classroom, and the learning differences that make this differentiation necessary.
- 306. Integrated Instructional Design (2).** *Prerequisites: Co-requisite: ESE 304.* Provides for the integration of appropriate instructional planning, engaging instructional strategies, appropriate technologies, and teaching field standards from multiple disciplines through the use of in-the-field observations and experience. The course consists of a 100-hour practicum with associated assignments. Requires Teacher Education Program eligibility.
- 383. Content Literacy (3).** This course encompasses both theory and practice associated with content literacy as well as the use of literacy strategies in the various Secondary Education teaching fields.
- 420. Teaching Mathematics (3).** *Prerequisites: ESE 304 and 306. Corequisite: The appropriate section of ESE 485.* In addition, students are encouraged to complete 90% of all teaching field courses prior to enrollment in this course. Materials and methods of teaching mathematics at the secondary level. Requires Teacher Education Program eligibility. Offered in fall and spring semesters only.
- 421. Teaching Social Studies (3).** *Prerequisites: ESE 304 and 306. Corequisite: The appropriate section of ESE 485.* Materials and methods of teaching history and other social sciences at the secondary level. Requires Teacher Education Program eligibility. In addition, students are encouraged to complete 90% of all teaching field courses prior to enrollment in this course. Offered in the fall and spring semesters only.
- 422. Teaching English Language Arts (3).** *Prerequisites: ESE 304 and 306. Corequisite: The appropriate section of ESE 485.* In addition, students are encouraged to complete 90% of all teaching field courses prior to enrollment in this course. Materials and methods of teaching language arts at the secondary level. Requires Teacher Education Program eligibility. Offered in fall semester only.
- 423. Teaching General Science (3).** *Prerequisites: ESE 304 and 306. Corequisite: The appropriate section of ESE 485.* In addition, students are encouraged to complete 90% of all teaching field courses prior to enrollment in this course. Materials and methods of teaching natural and physical sciences at the secondary level. Requires Teacher Education Program eligibility. Offered in fall semester only.
- 424. Foreign Language Methods (3).** *Prerequisites: ESE 304 and 306. Corequisite: The appropriate section of ESE 485.* In addition, students are encouraged to complete 90% of all teaching field courses prior to enrollment in this course.

Materials and methods of teaching foreign language at the secondary level. Requires Teacher Education Program eligibility. Offered in fall semester only.

426. **World History in Secondary Schools (3).** *Prerequisites: HY 101, 102, 201 and 202.* Reviews the history of numerous regions around the world that are outside of the North American/European frame, considers the importance of these regions independently and collectively through historical and current lenses, reviews the secondary education standards related to the teaching of world regions and history. Considers research-based, best practices for teaching various world history content, as well as incorporating these practices when teaching other history and/or social studies content that requires the inclusion of some world history. Offered in spring semester only.
427. **Government, Economics, and Geography in Secondary Schools (3).** *Prerequisites: HY 101, 102, 201 and 202.* This course reviews the history and structure of various government types through both historical and current lenses, considers the impact and influence of economics and geography on human history, reviews the secondary education standards related to the teaching of government, economics, and geography. Considers research-based, best practices for these subjects, as well as incorporating these practices when teaching a variety of history and/or social studies courses that require the inclusion of government, economics, and geography. Offered in fall semester only.
428. **American History in the Secondary Schools (3).** This course reviews the history of North America over the past 500 years, including the history of the United States of America, considers the importance of the region and the interconnectedness of the various regions and peoples of North America independently and collectively through historical and current lenses, and reviews the secondary education standards related to the teaching of U.S. and World History. This course considers research-based, best practices for teaching historical content as well as incorporating these practices in the teaching of middle and high school history.
429. **Ancient History in Secondary Schools (3).** *Prerequisites: HY 101, HY 102, HY 201, HY 202.* This course covers the history of influential regions and cultures around the world beginning with earliest humans and going through 1500 CE, considers the importance of these regions and cultures independently and collectively through historical and current lenses, and reviews the secondary education standards related to the teaching of ancient world regions and cultures. Considers research-based, best practices for teaching historical content as well as incorporating these practices in the teaching of middle and high school history.
433. **Teaching Literature in Secondary Schools (3).** *Prerequisites: EH 101, 102, 141, 201 and 202 or 203 and 204 or 231 and 232.* This course is designed to expose pre-service English language arts teachers to critical theory, history, and standards, which are embedded in the multiple roles of teaching literature in secondary schools. Opportunities for students to examine and evaluate current issues and research, as well as the integration of diverse instructional strategies in all program coursework will be explored. Offered in spring semester only.
434. **Teaching Writing in Secondary Schools (3).** *Prerequisites: EH 101, 102, 141, 201, and 202 or 203 and 204 or 231 and 232.* This course is designed to expose English language arts students to critical theory, history, and standards, which are embedded in the multiple roles of teaching writing in secondary schools. Practical instructional strategies in teaching writing through traditional and new literacies will be explored. Offered in fall semester only.
444. **Assessment (3).** *Requires Teacher Education Program eligibility.* This course is an introduction to developmentally appropriate evaluation of teaching/learning at the secondary level and use of assessment to improve student outcome.
455. **Classroom Management (3).** *Requires Teacher Education Program eligibility.* Provides an introduction to the major theories related to classroom management and appropriate application of these theories into the secondary school environment.
485. **Senior Practicum (3).** *Prerequisite: ESE 304 and 306. Corequisites: The appropriate special methods course ESE 420-424. Also, students are encouraged to have 90% of all teaching field courses completed prior to enrollment in this course. A 150 clock-hour, supervised Level III clinical experience in grades 6-12. Requires Teacher Education Program eligibility. Offered in fall and spring semesters only.*

DEPARTMENT OF EDUCATIONAL RESOURCES

304 RAMONA WOOD HALL

Department Head: TBA

Professor: J. Kiser, Turner, Webb

Associate Professor: Barnes, Wallace

Assistant Professor: Allen, McGahey, Paynter, Warfield, Wilson, Young

The Department of Educational Resources offers service courses in educational foundations, educational psychology, and instructional media. In addition, the department provides graduate programs in Counselor Education, Instructional Leadership and Library Media. Teacher Education Programs may be altered to meet changes in federal and Alabama State Department of Education regulations.

**EDUCATIONAL PSYCHOLOGY (EPY)
COURSE DESCRIPTIONS**

429. Developmental Psychology (3). *Corequisite: EPY 430.* Covers stages of physical, cognitive, and social-emotional development in school aged persons from a global and multicultural perspective. This course is a prerequisite for ESE 404 and ESE 484.

430. Developmental Psychology Lab (0). Provides a 25 clock-hour, Level II clinical experience, supervised through the Teaching/Learning Center, Ramona Wood Hall.

**INSTRUCTIONAL MEDIA (EIM)
COURSE DESCRIPTIONS**

300. Introduction to Education Technology (2). This course is designed to prepare professional educators to effectively develop and use technology rich activities in the student centered classroom. Activities will correlate to the eight learning outcomes and will include ISTE-NETS standards and state and national content standards.

**INSTRUCTIONAL SERVICES UNIT
102 RAMONA WOOD HALL
Director: Timothy D. Whittemore**

The Instructional Services Unit offers two elective classes to any JSU student who wishes to provide an academic service to area children.

**INSTRUCTIONAL SERVICES UNIT (ISU)
COURSE DESCRIPTIONS**

101. Service Learning (1). Current techniques in tutoring to help improve the academic skills of K-12 children. Three hours lecture and ten hours tutoring.

102. Service Learning (2). Current techniques in tutoring to help improve the academic skills of K-12 children. Five hours lecture and twenty hours tutoring.

SCHOOL OF HEALTH PROFESSIONS AND WELLNESS

Dean: Christie Shelton
Associate Dean: Elizabeth Gullede

The School of Health Professions and Wellness was created in 2016 with the intent to house disciplines focused on health and wellness. Currently, departments include: Kinesiology, Nursing, and Respiratory Therapy and offer undergraduate and graduate degrees.

DEPARTMENT OF KINESIOLOGY

204 MATHEWS COLISEUM

Department Head: TBA
Professor: Overton, Thornburg
Associate Professor: Hill, Andrews
Assistant Professor: Anderson, Koozehchian, Mabrey, Newton
Instructor: Crosson, Galloway, Gilbert, Rains

The Department of Kinesiology offers three degrees: a Bachelor of Science in Education degree in Physical Education, a Bachelor of Science degree in Exercise Science and Wellness, and a Bachelor of Science degree in Sport Management and Recreation Studies.

Two non-teaching Bachelor of Science degrees are offered with a major **Exercise Science and Wellness** or **Sport Management and Recreation Studies**. Students majoring in **Exercise Science and Wellness** must choose a concentration in either Clinical or Human Performance. Students majoring in **Sport Management and Recreation Studies** must choose a concentration in either Sport Management or Recreational Leadership.

The Department of Kinesiology offers five (5) minors: **Coaching, Community Health, Exercise Science, Recreational Leadership, and Sport Management**.

A **Minor in Coaching** is available for students majoring in non-teaching degree fields. The requirements include 18 hours of coursework: eight hours of core courses (HPE 232, 391, and 405), seven hours of sports pedagogy seminars (HPE 320-331), and a practicum in coaching (HPE 394).

A **Minor in Community Health** is available for students majoring in non-teaching degree fields. A minimum of 18 hours is required, which must include HPE 212, 312, 315, 318, 360, and 420.

A **Minor in Exercise Science** is available for students who are pursuing a non-teaching degree. The requirements for a minor in Exercise Science and Wellness are a minimum of 22 hours, to include the following required courses consisting of 13 semester hours: HPE 109, 165, 362, 400, and 415. The students must choose nine hours of electives from the following courses: HPE 272, 405, 406, or 440.

A **Minor in Recreational Leadership** is available for students majoring in non-teaching degree fields. A minimum of 20 hours, which must include SMR 221, 271, 310, and 486; six hours selected from SMR 275, 301, 302, 312, or 420; and three hours selected from HPE 111, 113, 114, 140, 141, 158, or 164.

A **Minor in Sport Management** comprises of 18 hours of which a student must select from: SMR 335, SMR 340, SMR 355, SMR 450, SMR 476, SMR 331, SMR 425, SMR 466, and SMR 486. A **minor in sport management** is available for students majoring in non-teaching degree fields and may not be taken in conjunction with a major in Recreational Leadership.

BACHELOR OF SCIENCE

MAJOR: EXERCISE SCIENCE AND WELLNESS

Concentration: Clinical

Students majoring in **Exercise Science and Wellness – Clinical concentration** may attain this degree by completing the 41 hour general studies curriculum; the 45 hour core curriculum (HPE 109, 165, 209, 232, 272, 350, 362, 375, 400, 405, 415, 440, 441, 450 and 465); 16 hours of required pre-professional courses (BY 263, BY 264, CY 105/107, and CY 106/108); 16 hours to complete a biology minor (BY 322, BY 323, BY 373, and four additional hours of advisor approved biology courses); 14 hours of additional requirements (PHS 201/203, PHS 202/204, MS 204 or SY 304, and NU 130); STU 101; and obtaining an advisor approved national certification from the American College of Sports Medicine or National Strength and Conditioning Association. Students will be classified as “ESW_CLN_Undecided” majors prior to assessment into the ESW program.

At the completion of the sophomore year, students may seek assessment into the ESW upper level courses upon email invitation from the Kinesiology Office.

Program applications are reviewed and candidates are assessed once per year. All the following criteria must be met:

1. The candidate must have earned a minimum of 60 semester hours of college credit.
2. The candidate must have earned an overall grade point average of 3.25 based upon a 4.00 scale to include all pre-professional courses with a “C” or better. After assessment to the ESW upper level courses (Clinical concentration), the student is required to maintain a minimum 3.25 grade point average. In accordance with the Department of Kinesiology Grades Dismissal Policy, a student may repeat a professional course only once and may not accumulate more than three (3) grades of “D” or “F” in “professional studies” courses. In accordance

with the Department of Kinesiology GPA Dismissal Policy, failure to maintain the appropriate GPA will result in dismissal from the ESW program. Reinstatement to the ESW program is at the discretion of the ESW committee.

3. The candidate must have submitted three (3) written recommendations from professors in the general studies area.
4. The candidate must satisfactorily complete an interview to provide information of the student's personality, interests, and aptitudes consistent with the requirements for a successful ESW career.

**BACHELOR OF SCIENCE
MAJOR: EXERCISE SCIENCE AND WELLNESS
Concentration: Clinical**

FRESHMAN YEAR

Fall	Spring
EH 101 Comp I3	EH 102 Comp II.....3
History/Social/Behavioral Science* 3	History/Social/Behavioral Science*.....3
BY 101 and 1034	HPE 165 Intro ESW.....1
HPE 109 Concepts of Wellness3	HPE 209 Essentials of Human Performance3
CY 105 and 1074	BY 102 and 1044
STU 101 First Year Experience0	CY 106 and 108.....4
17	18

SOPHOMORE YEAR

Fall	Spring
Lit/Humanities/Fine Arts*3	Lit/Humanities/Fine Arts*3
EH 141 Oral Communication 3	History/Social/Behavioral Science*3
MS 113 Precalculus Trigonometry*3	Basic Statistics Elective**3
PSY 201 Principles of Psychology3	PSY 222 Human Development3
HPE 272 Basic Athletic Training.....3	PHS 201 and 203 College Physics and Lab4
HPE 232 Sport Safety and First Aid2	BY 263 Anatomy and Physiology I4
17	20

JUNIOR YEAR

Fall	Spring
BY 322 Genetics4	HPE 350 Intro to Personal Training3
HPE 362 Kinesiology3	BY 323 Microbiology4
HPE 375 Therapeutic Exercise/Modalities3	HPE 400 Exercise Physiology.....3
BY 264 Anatomy and Physiology II4	HPE 415 Biomechanics3
PHS 202 and 204 College Physics and Lab.....4	HPE 405 Scientific Prin of Conditioning3
18	16

SENIOR YEAR

Fall	Spring
BY 373 Cell Biology.....4	NU 130 Medical Terminology3
BY Minor Elective4	HPE 441 Design of Wellness Programs.....3
HPE 450 Research in ESW3	HPE 465 Practicum in ESW6
HPE 440 Fitness Testing.....3	
14	12

TOTAL HOURS: 132

*See General Studies Curriculum

**MS 204, PSY 340, or SY 304

BACHELOR OF SCIENCE
MAJOR: EXERCISE SCIENCE AND WELLNESS
Concentration: Human Performance

Students majoring in **Exercise Science and Wellness – Human Performance concentration** may attain this degree by completing the 41 hour general studies curriculum; the 44 hour core curriculum (HPE 232, 272, 301, 350, 362, 375, 400, 405, 406, 415, 440, 441, 450 and 465); 13 hours of required pre-professional courses (HPE 109, 165, and 209, FCS 215 or 322, and MS 204 or SY 304); a minimum of 22 hours from a chosen minor and general electives; and obtaining an advisor approved national certification from the American College of Sports Medicine or National Strength and Conditioning Association. Students will be classified as “ESW_HP_N_Undecided” majors prior to assessment for upper level ESW courses.

At the beginning of the sophomore year, students may seek assessment into the ESW upper level courses by filing an application for the ESW - Human Performance track in the Kinesiology Office. The application is available in the departmental office.

Program applications are reviewed and candidates are assessed once per year. All the following criteria must be met:

1. The candidate must have earned a minimum of 60 semester hours of college credit.
2. The candidate must have earned an overall grade point average of 2.50 based upon a 4.00 scale to include all pre-professional courses with a “C” or better. After assessment to the upper level ESW courses (Human Performance concentration), the student is required to maintain a minimum 2.50 grade point average. In accordance with the Department of Kinesiology Grades Dismissal Policy, a student may repeat a professional course only once and may not accumulate more than three (3) grades of “D” or “F” in “professional studies” courses. In accordance with the Department of Kinesiology GPA Dismissal Policy, failure to maintain the appropriate GPA will result in dismissal from the ESW program. Reinstatement to the ESW program is at the discretion of the ESW committee.
3. The candidate must have submitted three (3) written recommendations from professors in the general studies area.
4. The candidate must satisfactorily complete an interview to provide information of the student’s personality, interests, and aptitudes consistent with the requirements for a successful ESW career.

BACHELOR OF SCIENCE
MAJOR: EXERCISE SCIENCE AND WELLNESS
Concentration: Human Performance

FRESHMAN YEAR

Fall	Spring
EH 101 Comp I3	EH 102 Comp II.....3
History/Social/Behavioral Science* 3	EH 141 Oral Communication3
BY 101 and 1034	HPE 165 Intro ESW.....1
HPE 109 Concepts of Wellness3	HPE 209 Essentials of Human Performance3
Minor/ Approved Electives1	Lit/Humanities/Fine Arts*3
STU 101 First Year Experience0	History/Social/Behavioral Science3
14	16

SOPHOMORE YEAR

Fall	Spring
Lit/Humanities/Fine Arts*3	Lit/Humanities/Fine Arts*3
History/Social/Behavioral Science* 3	History/Social/Behavioral Science*3
MS 112 Precalculus Algebra*3	Basic Statistics Elective**3
Minor/ Approved Electives3	HPE 232 Sport Safety and First Aid2
BY 263 Anatomy and Physiology4	HPE 272 Basic Athletic Training.....3
16	17

JUNIOR YEAR

Fall	Spring
HPE 301 Industry Management3	HPE 350 Intro to Personal Training3
HPE 362 Kinesiology3	HPE 375 Therapeutic Exercise/Modalities3
HPE 400 Exercise Physiology3	HPE 406 Physical Fitness Techniques3
HPE 405 Scientific Principles of Conditioning3	HPE 415 Biomechanics3
Minor/ Approved Electives3	Minor/ Approved Electives6
15	18

SENIOR YEAR

Fall	Spring
Minor/ Approved Electives6	Minor/ Approved Elective3
HPE 440 Fitness Testing3	HPE 441 Design of Wellness Programs.....3
HPE 450 Research in ESW3	HPE 465 Practicum in ESW6
12	12

TOTAL HOURS: 120

*See General Studies Curriculum

**MS 204, PSY 340, or SY 304

BACHELOR OF SCIENCE IN EDUCATION

Teaching Field: Physical Education (P-12)

Students who meet the requirements for education degree programs will be eligible to apply for a baccalaureate level Professional Certificate and will be qualified to teach Physical Education in grades P through 12. Of the 120 hours required to attain the Bachelor of Science in Education degree, the Physical Education major must successfully complete a minimum of 50 hours of teaching field and departmental courses, including HPE 109, 145, 146, 232, 303, 305, 355, 356, 357, 362, 381, 394, 400, 405, 415, 460, one hour of fitness activity, one hour of dance activity, one hour of aquatics activity, and SMR 271. Professional studies courses (29 hours) are also required, which include: ED 302, SPE 300, 409, 410, 411, 462, and internship consisting of HPE 482, ED 495 and ED 496. The following courses must be taken prior to teacher education eligibility: HPE 303, 355, 356, 357, ED 302, and SPE 300. While Physical Education is housed in the School of Health Professions and Wellness within the Department of Kinesiology, students must adhere to all rules and policies set forth by the Teacher Education Services to comply with Alabama State Department of Education requirements. Physical Education (teacher education) degree requirements may be altered to meet changes in federal and Alabama State Department of Education regulations.

FRESHMAN YEAR

Fall	Spring
EH 101 Comp I3	HPE 109 Concepts of Wellness3
History/Literature * 3	BY 101 and 1034
Lit/Fine Arts/HY/Soc Scien3	History/Literature*3
Soc and Beh Science3	MS 110 Finite Mathematics3
HPE Approved Activity1	EH 102 Comp II.....3
HPE Approved Activity1	
HPE 232 Sports Safety and First Aid.....2	
STU 101 First Year Experience 0	
16	16

SOPHOMORE YEAR

Fall	Spring
History/Literature*3	HPE Aquatics Activity1
Fine Arts/Soc and Beh Science3	HPE 146 Individual and Dual Sports Skills2
EH 141 Oral Communication3	HPE 362 Kinesiology3
BY 263 Anatomy and Phys4	HPE 405 Scientific Prin Conditioning3
HPE 305 Measurement and Assessment3	HPE 460 Motor Dev3
	History/Literature*3
16	15

JUNIOR YEAR

Fall	Spring
ED 302 Intro to Education.....2	HPE 355 Intro Methods of Elem. HPE.....3
HPE 303 Foundations of HPE3	HPE 356 Intro Methods of Sec HPE3
SPE 300 Survey of Ex Child3	HPE 357 21 st Century Learning in HPE3
HPE 400 Exercise Physiology3	HPE 415 Biomechanics.....3
HPE 145 Team Sports2	HPE 381 Adapted PE3
SMR 271 Rec Games2	
15	15

SENIOR YEAR

Fall	Spring
HPE 394 Coaching Skills Practicum.....3	HPE 482 Seminar in HPE3
HPE 409 Meth Teach PE P-53	ED 495 Internship in Education.....6
HPE 410 Meth Teach PE 6-123	ED 496 Reflective Practices in Ed.3
HPE 411 Practicum PE P-123	
HPE 462 Effective Teaching in HPE3	
15	12

TOTAL HOURS: 120

*See General Studies Curriculum

Note: All professional education courses and selected teaching field courses must be completed at JSU and may not be transferred from another institution. Please check with your academic department for a complete list of these courses.

BACHELOR OF SCIENCE

MAJOR: SPORT MANAGEMENT AND RECREATION STUDIES

Concentration: Recreational Leadership

Students pursuing a concentration in Recreational Leadership may attain this degree by completing 10 hours of pre-professional courses from: HPE 109, HPE 232, SMR 221, and SMR 271; 24 hours of degree requirements from: SMR 340, 355, 450, 476, 486, 490, and 492; and 15 hours of recreation concentration courses from: SMR 310, 311, 312, 360, and 420; and nine hours of recreation electives from: SMR 275, 301, 302, 321, 322, and HPE 301; three hours of activity courses; and 18-24 hours of minor courses with approval of advisor.

FRESHMAN YEAR

Fall	Spring
EH 101 Comp I3	EH 102 Comp II.....3
MS 110 Finite Mathematics.....3	Humanities/Fine Arts3
History/Social Behavioral Science3	History/Social/ Behavioral Science3
HPE 109 Concepts of Wellness3	Natural Science4
Humanities/Fine Arts.....3	EH 141 Oral Communication.....3
STU 101 First Year Experience0	
15	16

SOPHOMORE YEAR

Fall	Spring
Humanities/Fine Arts.....3	History/Social/Behavioral Science3
History/Social/Behavioral Science.....3	SMR 271 Recreational Games/Group Dev2
SMR 221 Fdn of Sport Mgmt and Rec.....3	Minor Electives9
Natural Science.....4	
HPE 232 Sport Safety and First Aid2	
15	14

JUNIOR YEAR

Fall	Spring
SMR 310 Camping and Outdoor Ed3	SMR 311 Recreation for the Aged3
SMR 355 Finance in Sport Mgmt and Rec3	SMR 312 Org and Adm Camp Program3
SMR 420 Youth Dev Leadership.....3	SMR 360 Challenge Course Programs.....3
SMR 486 Sport Mgmt and Rec Prom/Event Plan...3	SMR 340 Legal and Ethical Sport Mgmt and Rec ...3
Recreation Elective.....3	SMR 476 Marketing in Sport Mgmt and Rec3
	Activity Course2
15	17

SENIOR YEAR

Fall	Spring
SMR 450 Sport and Rec Facility Mgmt3	Recreation Electives.....3
SMR 490 Sport Mgmt and Rec Admin.....3	Minor Elective3
Recreation Electives.....3	SMR 492 Internship in Sport Mgmt and Rec 6
Minor Electives.....6	
Activity Course1	
<hr/>	<hr/>
16	12

TOTAL HOURS: 120

BACHELOR OF SCIENCE MAJOR: SPORT MANAGEMENT AND RECREATION STUDIES Concentration: Sport Management

Students pursuing a concentration in Sport Management may attain this degree by completing 9-10 hours of pre-professional courses from: MS 204 or ST 260/261, SMR 221, and SMR 231; 24 hours of degree requirements from: SMR 340, 355, 450, 476, 486, 490, and 492; and 15 hours of sport management concentration courses from: EC 455, SMR 331, 425, 440, 466, and 486; and 12 hours of required sport management electives from: ACC 200, HPE 301, MKT 301, MKT 361, MKT 374, SMR 321, SMR 322, and SMR 335; and 18-24 hours of minor courses and general electives with approval of advisor.

FRESHMAN YEAR

Fall	Spring
EH 101 Comp I3	EH 102 Comp II.....3
MS 112 Precalculus Algebra3	Humanities/Fine Arts3
History/Social Behavioral Science3	History/Social/ Behavioral Science3
Natural Science.....4	Natural Science4
Humanities/Fine Arts.....3	EH 141 Oral Communication.....3
STU 101 First Year Experience0	
<hr/>	<hr/>
16	16

SOPHOMORE YEAR

Fall	Spring
Humanities/Fine Arts.....3	History/Social/Behavioral Science3
EC 221 Microeconomics3	MS 204 Basic Statistics.....3
SMR 221 Fdn of Sport Mgmt and Rec.....3	Minor Electives6-9
SMR 231 History of Sport3	Sport Mgmt Elective.....3
Minor Electives.....3-6	
<hr/>	<hr/>
15-18	15-18

JUNIOR YEAR

Fall	Spring
SMR 355 Finance in Sport Mgmt and Rec.....3	EC 455 Sport Economics3
SMR 425 Cont Issues in Sport3	SMR 331 Topics in International Sport.....3
SMR 466 Public and Media Relations3	SMR 340 Legal & Ethical Sport Mgmt and Rec.....3
SMR 486 Sport Mgmt and Rec Prom/Event Plan...3	SMR 476 Marketing in Sport Mgmt and Rec.....3
Sport Mgmt Elective3	Sport Mgmt Elective.....3
<hr/>	<hr/>
15	15

SENIOR YEAR

Fall	Spring
SMR 450 Sport and Rec Facility Mgmt3	Sport Mgmt Elective.....3
SMR 490 Sport Mgmt and Rec Admin.....3	Minor Electives3-6
Sport Mgmt Elective3	SMR 492 Internship in Sport Mgmt and Rec6
Minor Electives.....6-9	
<hr/>	<hr/>
15-18	12-15

TOTAL HOURS: 120

**HEALTH AND PHYSICAL EDUCATION (HPE)
GENERAL SERVICE COURSES
COURSE DESCRIPTIONS**

104. **Aerobics and Fitness (3).** The course is designed to provide students with various aerobically based activities for overall fitness and health of the body.
108. **Pound (2).** A basic introduction to drumming skills used for improving cardiovascular fitness.
109. **Concepts of Wellness (3).** Study of basic concepts of wellness, including nutrition, cancer prevention, addictions, and STDs, and physical fitness, including principles of exercise, stress management, weight control, and the management of emergencies, accidents, and injuries.
110. **Barre Pilates (2).** The purpose of this course is to introduce student to the best of ballet, fitness, strength, and pilates.
111. **Beginning Hiking (1).** Basic skills in hiking, including planning, clothing, map reading, safety, types of hikes and hiking trips (TBA).
113. **Mountain Biking (1).** Basic skills in off-road cycling.
114. **Bicycling (1).** An introductory course in the lifetime activity of cycling. A 10-hour lab is required. The safety, repair, riding, and value are covered.
115. **Beginning Fitness (1).** Introduction to basic physical fitness activities.
116. **Body Shaping (3).** An introduction to the basic principles of fitness as they relate to fatty weight loss and muscular development.
117. **Introduction to Yoga (1).** An introduction course in the ancient system of mind-body exercise that offers benefits, including increased flexibility, greater strength, and improved concentration.
118. **Beginning Bowling (1).** Basic skills in bowling. Elective credit only; cannot be used to satisfy HPER requirements.
119. **Beginning Fencing (1).** Basic skills in foil fencing. Elective credit only; cannot be used to satisfy HPER requirements.
120. **Introduction to Pilates (2).** The purpose of this course is to provide an introduction to Pilates consisting of safety considerations, breathing techniques, and exercises for upper and lower body strength and endurance, core strength and endurance, and flexibility.
121. **Beginning Weight Training (2).** Basic skills in weight training.
122. **Beginning Tennis (1).** Basic skills in tennis.
123. **Beginning Racquetball (1).** Basic skills in racquetball.
124. **Beginning Golf (1).** Basic skills in golf.
125. **Beginning Archery (1).** Basic skills in archery. Elective credit only; cannot be used to satisfy HPER requirements.
126. **Beginning Volleyball (1).** Basic skills in volleyball. Elective credit only; cannot be used to satisfy HPER requirements.
127. **Net Games (1).** Basic skills in badminton, pickle ball, and deck tennis.
128. **Table Games (1).** Basic skills in table tennis and billiards. Elective credit only; cannot be used to satisfy HPER requirements.
130. **Tap/Clogging Dance (1).** Basic skills in tap and clogging dancing.
132. **Folk/Square Dance (1).** Basic skills in folk and square dancing.
134. **Social/Ballroom Dance (1).** Basic skills in social and ballroom dancing.
136. **Ballroom, Fox Trot (1).** Introduction to Foxtrot, Slow Waltz, Viennese Waltz, and American Tango dances.
137. **Ballroom, Latin (1).** Introduction to Latin dance steps, such as merengue and salsa.
138. **Swing (1).** Instruction in "swing" dance steps, such as swing, jitterbug, rock and roll.
139. **Line Dancing (1).** Performing dance movements in unison to music and consists of patterned foot measurements that are performed to a number of counts in sequence. Several popular tunes will be used. Also, two-step will be introduced.
140. **Alpine Skiing (1).** An introductory course where students will learn the basic skills of skiing or snowboarding. Proper dressing, ski slope safety, equipment, physical fitness, and proper techniques for skiing or snowboarding will be addressed. Three days of on-snow instruction and practice is required. Students pay all expenses.
141. **Alpine Skiing II (1).** *Prerequisite: PE 140 or permission of instructor.* Advanced skills in alpine skiing or snowboarding. Proper dressing, ski slope safety, equipment, physical fitness, and proper techniques for skiing or snowboarding will be reviewed. Three days of on-snow instruction and practice is required. Students pay all expenses
142. **Zumba (2).** The purpose of this course is to provide an introduction to Zumba consisting of safety considerations, techniques, and Zumba exercises for health-related fitness.

143. **Beach Volleyball (1).** Basic instruction in beach volleyball. Elective credit only; cannot be used to satisfy HPER requirements.
145. **Team Sports Skills (2).** The purpose of this course is to provide experiences that will lead to the development of team sports skills. In addition to skills acquisition, the course will focus on the development of the knowledge and positive dispositions associated with team sports activities. Students will be expected to achieve an intermediate level of skill in specified team sports.
146. **Individual and Dual Sports Skills (2).** The purpose of this course is to provide experiences that will lead to the development of individual and dual sports skills. In addition to skills acquisition, the course will focus on the development of the knowledge and positive dispositions associated with individual and dual sports activities. Students will be expected to achieve an intermediate level of skill in specified individual and dual sports. Practice outside of class time may be required for students to achieve the expected performance level.
147. **Functional Fitness I (2).** Basic core strength and conditioning associated with the development and maintenance of general physical fitness. Activities may include, but are not limited to, strength training and endurance exercises.
148. **Functional Fitness II (2).** Advanced core strength and conditioning associated with the development and maintenance of general physical fitness. Activities may include, but are not limited to strength training and endurance exercises.
150. **Beginning Swimming (1).** The adaptation of the water and basic strokes of swimming. Non-swimmers only.
151. **Aqua Aerobics (3).** Low impact exercises performed in the medium of water.
152. **Angling (1).** Basic fundamentals of fishing.
153. **Lifeguarding (2).** Elementary and advanced forms of rescue, including approaches, escapes, carries, removal from water, and preventive life guarding. ARC lifeguard certification awarded if CPR and first aid requirements have previously been met (see instructor for specific details). Student pays all expenses.
154. **Lifeguard Instructor (2).** *Prerequisites: Instructor certification in CPR and first aid (ARC) and current lifeguard certification.* Preparation to become a certification instructor in lifeguarding. Student pays all expenses.
155. **Community Water Safety (1).** The course covers emergency procedures, spinal injuries, and other aquatic activities. Student pays all expenses.
157. **Water Safety Instructor (2).** *Prerequisite: Current lifeguard instructor certification.* Water Safety Instructor certification. A 10-hour laboratory is required. Student pays all expenses.
158. **Canoeing and Rafting (2).** Essential skills for river canoeing and whitewater rafting. Student pays all expenses.
159. **Scuba Diving (3).** Knowledge and skill development in scuba diving. Eight hours pool work, five hours open water diving. Experienced swimmers only. Student pays all expenses.
161. **Martial Arts (2).** Basic skills in aikido, including etiquette, warm-up activities, falls, throws, principles of movement and self-defense.
162. **Beginning Tai Chi (1).** A study of the 24 basic forms of Tai Chi, a martial art. Elective credit only; cannot be used to satisfy HPER requirements.
164. **Rock Climbing and Rappelling (2).** An introductory course where students will engage in rock climbing and rappelling in artificial and/or natural rock setting. Proper techniques for climbing and rappelling will be address. Equipment, knot tying, climbing preparation, basic top rope anchor setting will be addressed. Field trips are required. Student pays all expenses.
170. **Basic Skills in Jazz Dance (1).** Basic skills in Jazz Dance. Elective credit only; cannot be used to satisfy HPER requirements.
189. **Academic Success for Student-Athletes (1).** For freshman student-athletes to enhance successful transition from high school to college life. Orientation to the JSU athletics program and NCAA rules and regulations are included. Special emphasis is placed on academic excellence, athletic excellence, personal and career development and a commitment of service to the campus and community.
191. **Varsity Sports (1).** Successful participation in major varsity sports (male and female). May be duplicated for credit to a maximum of eight semesters.

**HEALTH AND PHYSICAL EDUCATION (HPE)
PROFESSIONAL COURSES
COURSE DESCRIPTIONS**

165. **Introduction ESW (1).** An introduction to careers and opportunities in the field of exercise science and wellness. Students majoring in ESW are required to complete this course prior to their junior year. Practicum required.
209. **Essentials of Human Performance (3).** *Prerequisite: HPE 109.* An introduction to the scientific principles of the human body/organ systems as related to human performance. This course is recommended prior to BY 263 for ESW majors.

212. **Personal and Community Health (3).** The development of habits, attitudes, and knowledge concerning health, and the professional preparation of individuals' introduction to careers and opportunities in the field of exercise science and wellness.
232. **Sports Safety and First Aid Training (2).** This course is designed for in-depth study of emergency medical treatment in case of accidents or serious illness. The study of body functions, body framework and all types of injuries are considered. Student pays all expenses.
272. **Basic Athletic Training (3).** *Prerequisite or Corequisite: HPE 209 or BY 263.* Introduction to the athletic training profession. Prevention, etiology, and management of athletic injuries will be stressed. Basic anatomy and first aid will be reviewed.
275. **Advanced Athletic Training (3).** *Prerequisite: HPE 272 or permission of instructor.* Advanced athletic training fundamentals, including prevention, evaluation, care and etiology of athletic injuries. Legal, professional, and ethical considerations will be discussed. Student pays all expenses.
284. **Beginning Practicum in Athletic Training (1).** *Prerequisite: Consent of instructor.* An introduction to the basic principles of athletic training in the college environment. May be repeated a total of four times for credit.
285. **Beginning Practicum in Strength and Conditioning (1).** *Prerequisite: Consent of instructor.* An introduction to the basic principles of strength and conditioning in the college environment. May be repeated a total of four times for credit.
286. **Beginning Practicum in Personal Training (1).** *Prerequisite: Consent of instructor.* An introduction to the basic principles of personal training in the university wellness setting. May be repeated a total of four times for credit.
300. **Practicum in Physical Education (3).** *Prerequisite: Nine hours in physical education, including HPE 303.* Directed experience in observations and participation in physical education classes. Seminars will be held in conjunction with this course.
301. **Industry Management (3).** *Prerequisite: Junior standing.* The purpose of this course is to introduce students to the fundamental concepts, principles, and best practices associated with managing a business within the industry of their major. This course was developed with the intent of providing students with a general overview of the management issues facing fitness professionals in their careers.
303. **Foundations of Health and Physical Education (3).** An introduction to the profession, including physical activities, health and wellness concepts, professional organizations, career opportunities, historical development, and development of a sound professional philosophy. Practicum required. HPE 303 is a prerequisite to HPE 355, 356, and 357. Successful completion of HPE 303 is required prior to teacher education eligibility.
305. **Measurement and Assessment in HPE (3).** *Prerequisite: MS 110 or higher.* Techniques of test evaluation, administration, and interpretations. Emphasis on physical fitness, body mechanics, sports skills, and knowledge tests.
312. **Health Problems and Disease Prevention (3).** An overview of health problems confronting students in today's society. An analysis of a variety of personal, social and environmental factors is included.
315. **Community and Consumer Health (3).** This course explores a historical and philosophical study of the growth and development of science, health education, and health promotion.
318. **Health for Special Populations (3).** This course examines primary, secondary, and tertiary levels of prevention, and applies them to health promotion/disease prevention at various developmental stages.
320. **Seminar in Coaching Baseball (1).** Strategies and techniques for coaching baseball.
321. **Seminar in Coaching Basketball (1).** Strategies and techniques for coaching basketball.
322. **Seminar in Coaching Cheerleading (1).** Strategies and techniques for coaching cheerleading.
323. **Seminar in Coaching Defensive Football (1).** Strategies and techniques for coaching defensive football.
324. **Seminar in Coaching Offensive Football (1).** Strategies and techniques for coaching offensive football.
325. **Seminar in Coaching Golf (1).** Strategies and techniques for coaching golf.
326. **Seminar in Coaching Rifle (1).** Strategies and techniques for coaching rifle.
327. **Seminar in Coaching Soccer (1).** Strategies and techniques for coaching soccer.
328. **Seminar in Coaching Softball (1).** Strategies and techniques for coaching softball.
329. **Seminar in Coaching Tennis (1).** Strategies and techniques for coaching tennis.
330. **Seminar in Coaching Track and Field (1).** Strategies and techniques for coaching track and field.
331. **Seminar in Coaching Volleyball (1).** Strategies and techniques for coaching volleyball.
350. **Introduction to Personal Training (3).** *Prerequisite: Junior standing.* The purpose of this course is to prepare the student to take a valid personal trainer certification exam. At the completion of the course, the student will have a basic understanding of the design and delivery of exercise programs for clients with varying levels of health with different needs and goals.
355. **Introductory Methods of Elementary HPE (3).** *Prerequisites: HPE 145, 146, 303 and SMR 271. Corequisites: To be taken concurrently with HPE 356 and 357.* A course designed to build foundation knowledge necessary for successful

planning, implementing and evaluating various teaching methods and strategies necessary for quality elementary physical education. A practicum is required. HPE 355, 356, and 357 must be successfully completed prior to teacher education eligibility.

- 356. Introductory Methods of Secondary HPE (3).** *Prerequisites: HPE 145, 146, 303, and SMR 271. Corequisites: To be taken concurrently with HPE 355 and 357.* A course designed to build foundation knowledge necessary for successful planning, implementing and evaluating various teaching methods and strategies necessary for quality secondary health and physical education. A practicum is required. HPE 355, 356, and 357 must be successfully completed prior to teacher education eligibility.
- 357. 21st Century Learning in HPE (3).** *Prerequisites: HPE 145, 146, 303, and SMR 271. Corequisites: To be taken concurrently with HPE 355 and 356.* A course designed to develop foundational knowledge of a 21st century learner in a health and physical education program. Integration of relevant technologies and application of sound planning and instructional practices will be emphasized. A practicum is required. HPE 355, 356, and 357 must be successfully completed prior to teacher education eligibility.
- 360. Child and Adolescent Health and Wellness (3).** This course deals with child and adolescent health and wellness. Specifically, it deals with assisting children adolescents develop positive health habits.
- 362. Kinesiology (3).** *Prerequisite: BY 263 or HPE 209.* A science of human motion and analysis of body movements and action of muscles in human activities.
- 372. Assessment of Athletic Injuries (3).** *Prerequisite: HPE 272 or permission of instructor.* Evaluation of injuries which occur in athletics. Special attention will be given to the orthopedic assessment of joint injuries.
- 375. Therapeutic Exercise and Modalities (3).** *Prerequisite: HPE 209, 272, and BY 263 or permission of instructor.* Theory and use of therapeutic modalities and rehabilitative exercise. Students will have the opportunity to learn through special experience.
- 381. Adapted Physical Education (3).** An introductory course in the field of adapted physical education that provides an understanding of the nature, behavioral characteristics and motor limitations of various disabilities and basic skills necessary to prepare meaningful individualized movement experiences of individuals with special needs functioning in an integrated, segregated, community or home environment. A student practicum will be required.
- 385. Practicum in Special PE and Recreation (3).** Directed practical experiences in physical education and recreation with exceptional individuals. A student practicum will be required.
- 391. Methods and Principles of Coaching (3).** Theory and technique of coaching. Psychological aspects and scientific principles of movement are considered.
- 394. Practicum in Coaching (3).** Field experience in coaching.
- 397, 398, 399. Independent Study in HPER (1, 2, 3).** *Prerequisites: Consent of instructor and department head required.* Opportunity for undergraduate students to explore a particular area of personal interest in HPER.
- 400. Exercise Physiology (3).** *Prerequisite: BY 263.* The study of the effects of exercise on the various human physiological systems. Special attention will be given to energy metabolism, cardiovascular parameters, pulmonary function, muscle structure and function, neuromuscular integration, and environmental factors.
- 403. Special Olympics and Athletics for Special Populations (3).** Historical and current trends overview of sports for the handicapped. All types of handicapping conditions will be considered. Special attention will be on Special Olympics activities. Active involvement in the Special Olympics will be required.
- 405. Scientific Principles of Conditioning (3).** *Prerequisite: Junior standing.* Application of scientific principles to the training and conditioning of athletics are taught. Emphasis will be directed toward strength, endurance, and speed acquisition, ergogenic aids, and nutrition.
- 406. Physical Fitness Techniques (3).** *Prerequisites: HPE 209, 362, and 400.* Detailed analysis of techniques associated with instruction in aerobic and anaerobic exercise. Special emphasis is placed on weight training, dance aerobics, and aqua aerobics.
- 409. Methods of Teaching PE, P-5 (3).** *Prerequisites: HPE 355, 356, and 357. Teacher Education program eligibility. Corequisites: To be taken concurrently with HPE 410, 411, and 462.* Effective teaching practices and implementation of developmentally appropriate K-5 physical education instruction are taught.
- 410. Methods of Teaching PE, 6-12 (3).** *Prerequisites: HPE 355, 356, and 357. Teacher Education program eligibility. Corequisites: To be taken concurrently with HPE 409, 411, and 462.* Methods and techniques of teaching 6-12 physical education instruction are taught.
- 411. Practicum in PE, P-12 (3).** *Prerequisites: HPE 355, 356, and 357. Teacher Education program eligibility. Corequisites: To be taken concurrently with HPE 409, 410, and 462.* This is a field experience course specific to the application of methods and materials for P-12 physical education.
- 412. Special Projects in Health Education (3).** Student participation in solving actual problems related to health.
- 415. Biomechanics (3).** *Prerequisite: HPE 362.* This course is a study of human movement with emphasis on biomechanical principles and their application to sport and exercise.

- 416. Methods of Teaching Health Education (3).** *Prerequisites: HPE 355, 356 and 357. Teacher Education program eligibility. Corequisite: To be taken concurrently with HPE 409, 410, 411, 417 and 462.* Effective teaching practices and implementation of developmentally appropriate health education instruction are taught in this course.
- 417. Practicum in Health Education (2).** *Prerequisites: HPE 355, 356, and 357. Teacher Education program eligibility. Corequisite: To be taken concurrently with HPE 409, 410, 411, 416 and 462.* This is a field experience course specific to the application of methods and materials for health education.
- 420. Health Aspects of Aging (3).** The physical, social, emotional, and mental aspects of healthy aging will be explored.
- 421. Intramural Sports I (3).** Organization and administration of intramural programs. Emphasis is on officiating the fall sports of football and volleyball. Laboratory arranged.
- 422. Intramural Sports II (3).** Organization and administration of intramural programs. Emphasis is on officiating the winter and spring sports of basketball and softball. Laboratory arranged.
- 440. Fitness Testing (3).** *Prerequisites: HPE 362, 400, and assessment into the Exercise Science and Wellness program.* Detailed analysis of different fitness tests. Particular attention to cardiovascular tests, interpretation of results and prescription of exercise and activities.
- 441. Design of Wellness Programs (3).** *Prerequisites: HPE 362, 400, 440, senior standing, and assessment into the Exercise Science and Wellness program.* Study of the different areas in wellness programming, such as smoking cessation, nutrition, stress awareness, and various fitness programs. This class includes directed practical activities as well as a comprehensive semester project.
- 450. ESW Research Seminar (3)** *Prerequisites: MS 204 or SY 304, HPE 400, and assessment into the Exercise Science and Wellness program.* This class is designed to expose undergraduate students to research in the field of exercise science and wellness. Particular attention will be paid to developing a research idea, applying to the institutional review board for ethics approval, data collection, data analysis, and manuscript preparation.
- 460. Motor Development (3).** Theoretical and practical principles of motor development, with special emphasis on identification and assessment. A student practicum will be required.
- 462. Effective Teaching in HPE (3).** *Prerequisites: HPE 355, 356, and 357. Teacher Education program eligibility. Corequisites: To be taken concurrently with HPE 409, 410, and 411.* Methods and techniques of teaching 6-12 physical education instruction are taught.
- 465. Practicum in Exercise Science and Wellness (6).** *Prerequisites: HPE 441, senior standing, assessment into the Exercise Science and Wellness program, and successful completion of an advisor approved national certification from the American College of Sports Medicine (ACSM) or the National Strength and Conditioning Association (NSCA).* Practicum experiences in rehabilitative and/or preventative medicine with respect to ESW programming.
- 482. Seminar in HPE (3).** *Corequisites: To be taken concurrently with ED 495 and 496.* This course contributes to the preparation and meaningfulness of the student internship.
- 484. Advanced Practicum in Athletic Training (1).** *Prerequisite: Consent of instructor.* An introduction to the advanced principles of athletic training in the college environment. May be repeated a total of four times for credit.
- 485. Advanced Practicum in Strength and Conditioning (1).** *Prerequisite: Consent of instructor.* An introduction to the advanced principles of strength and conditioning in the college environment. May be repeated a total of four times for credit.
- 486. Advanced Practicum in Personal Training (1).** *Prerequisite: Consent of instructor.* An introduction to the advanced principles of personal training in the university wellness setting. May be repeated a total of four times for credit.

SPORT MANAGEMENT AND RECREATION STUDIES (SMR) COURSE DESCRIPTIONS

- 221. Foundations in Sport Management and Recreation (3).** The basic concepts of sport management and recreation fields. Theories, concepts, philosophies, and common industry practices in sport management and recreation.
- 231. History of Sport (3).** This course will provide students with an understanding of the historical context on the development of sport. Students will learn how sport has shaped society, and how society has shaped sport over the course of time.
- 271. Recreational Games and Group Development Activities (2).** An introduction to games for all populations, including recreational, educational, developmental, and therapeutic settings. Emphasis is on cooperative games and group development activities.
- 275. Outdoor Pursuits Expedition Field Seminar (3).** Focused outdoor experience in outdoor pursuits, such as backpacking, canoe/kayak, and Wilderness First Aid leading to certification. Student pays all expenses.
- 301. Youth Sports Program (3).** Methods and principles of organizing and administering youth sports programs. Activities include direct practical experiences.
- 302. Field Experience in Recreation and Youth Leadership (3).** A minimum of 100 clock hours required. This course will provide practical field experiences in one of the following areas of concentration: community recreation and youth sports, camping and outdoor education, and youth development.

310. **Camping and Outdoor Education (3).** The out-of-doors and its potential for enhancing the recreation program. Special emphasis is placed on activities in the out-of-doors. A review of the developments in out-of-doors education. Student pays all expenses.
311. **Recreation for the Aged (3).** The course provides the student with knowledge of recreational activities suitable for the older adult. The class includes directed practical activities.
312. **Organization and Administration of Camp Programs (3).** Methods of organization and administration of camp programs, including knowledge of standards, utilization of facilities, and personnel roles.
321. **Sports Officiating I (3).** Basic principles, concepts, mechanics, and rules applications for officiating football and/or volleyball athletic contests according to the policies of the National Federation of High School Associations.
322. **Sports Officiating II (3).** Basic principles, concepts, mechanics, and rules applications for officiating basketball, and/or baseball/softball athletic contests according to the policies of the National Federation of High School Associations.
331. **Topics in International Sport Management and Recreation (3).** The purpose of this course is to introduce students to the fundamental concepts associated with effective and successful international management strategies within the sport management and recreational leadership field.
335. **Human Resource Management (3).** *Prerequisite: Junior standing.* The purpose of this course is to introduce to students the fundamental concepts, principles, and application associated with managing employees in relation to the sport management and recreational leadership field.
340. **Legal and Ethical Aspects of Sport Management and Recreation (3).** *Prerequisite: Junior standing.* The purpose of this course is to introduce students to the fundamental concepts, principles, and application associated with the legal system in relation to sport management and recreation. This course was developed with the purpose of providing students with a general overview of legal issues that professionals in the sport management and recreational leadership field encounter.
355. **Principles of Finance in Sport Management and Recreation (3).** *Prerequisite: Junior standing.* The purpose of this course is to introduce students to the fundamental concepts, principles, and application associated with finance in recreation and sport management. It is a general sport finance course covering a broad variety of topics ranging from basic financial concepts to budget formats. This course was developed with the purpose of providing students with a general overview of the recreation and sport financial issues they are likely to encounter in their professional careers.
360. **Challenge Course Programs and Management (3).** Provides theoretical and experiential understanding of program management practice associated with the use of the low challenge courses in education, recreation, and therapeutic settings. Technical skill development, facilitation strategies, safety procedures, equipment management, and program design are addressed.
410. **Business of Sport. (3).** *Prerequisite: EC 221 or EC 222.* A macro-economical view of the professional and intercollegiate sport industry. Topics will include: revenue sharing, collective bargaining, labor issues, antitrust issues, sport franchise valuation, Olympics, and athlete compensation mechanisms.
420. **Youth Development Leadership (3).** A comprehensive examination of theory and practice in contemporary youth development leadership and youth serving agencies.
425. **Contemporary Issues in Sport Management and Recreation (3).** *Prerequisite: Senior standing.* The purpose of this course is to introduce students to the fundamental concepts associated with current issues and trends within the sport management and recreational leadership field.
440. **Communication in Sport (3).** *Prerequisite: Junior standing.* The purpose of this course is to introduce students to the fundamental concepts and common practices associated with communicating in the sport industry that include: history and development; role of mass media, digital, mobile, and social media; integrated communication; crisis communication; sociological aspects of communication; legal issues in sport communication.
450. **Sport and Recreation Facility Management (3).** *Prerequisite: Junior standing.* This course is designed to introduce students to the principles, application, and topics of sport and recreation facility management. After completing this course students will have gained valuable insight into theory and practice of sport and recreation facility management for a diverse range of sport and recreation facilities.
466. **Public and Media Relations (3).** *Prerequisite: Senior standing.* The purpose of this course is to introduce students to the fundamental concepts associated with public and media relations within the sport management and recreation field.
476. **Sport Management and Recreation Marketing (3).** *Prerequisite: Junior standing.* This course is designed to introduce students to the principles and application of marketing theory to the sport and recreation industries. This is a general course covering a wide range of sport marketing topics. These topics include promotion and media relations in sport and recreation, licensing and sponsorship of sport products, and the marketing mix strategies for sport and recreation organizations. After completing this course, students will have gained valuable insight into the theory and practice of sport marketing strategies for a diverse range of sport and recreation organizations.

- 486. Sport Management and Recreation Promotion and Event Planning (3).** *Prerequisite: Junior standing.* The purpose of this course is to introduce students to the fundamental concepts associated with promotion and event management within the sport management and recreation field.
- 490. Foundations of Recreation and Sport Administration (3).** *Prerequisite: Junior standing.* The purpose of this course is to introduce students to the fundamental concepts, principles, and application associated with managing recreation and sport organizations. It is a general recreation course covering a broad variety of topics ranging from the functions of management to organizational effectiveness.
- 492. Internship in Sport Management and Recreation (6).** *Prerequisites: SMR 490 and senior standing.* Practical field experience in selected programs.

DEPARTMENT OF NURSING AND RESPIRATORY THERAPY

NURSING

Accredited by:

Commission on Collegiate Nursing Education
655 K Street, NW Suite 750
Washington, DC, 20001 (202) 887-6791

Department Head: Elizabeth Gullede

Professor: Prickett

Associate Professor: Gullede, Shelton, Waits, Walker

Assistant Professor: Akisanya, Barrow, Gramling, Hill

Instructor: Acker, Bougere, Burgess, Chandler, Crabtree, Daugherty,

DeWeese, Duckett, Frank, Goodwin, Key, Killen, Mikel,

Morrow, Pearce, Robinson, Scroggin, Smedley

The Lurleen B. Wallace Department of Nursing is approved by the Alabama Board of Nursing, which entitles its graduates to apply to write the National Council Licensure Examination for Registered Nurses (NCLEX-RN®). The department is accredited by the Commission on Collegiate Nursing Education. Accreditation is an indication of public approbation, attesting to the quality of the educational program and the continued commitment of the sponsoring institution to support the program.

Students begin the nursing program by taking core requirement courses. A separate application is filed to request assessment into the clinical portion (upper division) of nursing. The department assesses students for eligibility for the upper division nursing program in the spring and fall of each year. The deadline for submission of applications for assessment to the upper division program of nursing is June 1st for fall and October 1st for spring. Late applications are not accepted. Only students who have been admitted to Jacksonville State University and who meet eligibility requirements may apply for assessment into the upper division nursing program. Those planning to apply for assessment into the upper division nursing program should contact the Director of Academic Services in the School of Health Professions and Wellness well in advance of the application deadline in order to confirm eligibility.

Entry into the upper division of nursing requires completion of all core requirement courses with a core requirement grade point average (GPA) of 2.75 or above and a minimum grade of "C" in each core requirement course. If a course is taken more than one time, the highest grade earned will be used in the calculation of the core requirement GPA. Once a passing grade of "C" or above has been earned in a course, that course cannot be repeated for a higher grade. Students who do not meet the above standards are not eligible to apply for assessment into upper division. Each student's record will be assessed for completion of core requirements and as a basis for approval to enter the upper division. The review process may include a personal interview with the candidate, a background check, contact with personal references, and, if the student has been enrolled in other nursing programs, contact with previous nursing faculty. The assessment process may also include evaluation of essential academic skills and critical thinking. Students admitted to the university Fall 2014 and thereafter must have a current ACT score of 20 (within five years). Students who have English as a second language must present a minimum score on the TOEFL (Test of English as a Foreign Language) exam taken within four years. To be eligible for assessment into upper division, minimum scores are: 560 for TOEFL Written (paper based), 220 for TOEFL CBT (computer based), or 83 for iBT (internet based). Students native to countries where English is a commonly used language and/or those who have been living in a country for many years where English is a primary spoken language may request a waiver of this requirement. A student who has been enrolled in any upper division nursing program (RN or LPN) and was unsuccessful in progressing satisfactorily in that program is not eligible to apply. The Department of Nursing reserves the right to limit the number of students enrolled in nursing courses in order to make the most effective use of the educational resources available. Because of limited resources, eligibility for the program is competitive; all students who qualify may not be selected. Students must comply with all Department of Nursing policies for entrance into and continuation in the nursing program, which include, but are not limited to, a clear criminal background check and drug screen.

The student is advised to review qualifications for licensure as well as grounds for denial of licensure before beginning the nursing major. Qualifications for RN licensure by examination in Alabama include: high school graduation or the equivalent, as determined by the Board; good moral character, and successful completion of requirements for graduation from a Board-approved registered nurse program (Alabama Board of Nursing

Administrative Code 610-X-4-01 and 610-X-8-02.0). While an applicant may meet the above qualifications, final approval to take the licensure examination and become licensed in Alabama is subject to action by the Board of Nursing. A criminal background check may be conducted by the Board at its discretion.

Grounds for denial of an RN license by examination in Alabama include, but are not limited to: failure to meet any requirement or standard established by law or by rules and regulations adopted by the Board; engaging in fraud, misrepresentation, deception, or concealment of a material fact in applying for or securing licensure or taking any examination required for licensure; any course of conduct that would be grounds for discipline by the Board under Administrative Code 610-X-8-03, including, but not limited to, conviction of a felony; conviction of, or entering a plea of guilt regardless of disposition, of a misdemeanor or felony involving moral turpitude or gross immorality (drugs, theft, lewdness, sexual misconduct, abuse, violence, fraud, or any other conduct detrimental to the public's health, safety, or welfare); having been court-martialed or administratively discharged from any branch of the United States Armed Forces for any act of conduct that would be grounds for discipline by the Board under Administrative Code 610-X-8-03; failure to show good moral character as pertaining to nursing; abuse of, or addiction to, alcohol or other drugs, including misappropriation or diversion of drugs from the workplace, testing positive for alcohol and/or unauthorized mood altering drugs; impairment while on duty due to alcohol or drugs; refusal to submit to a drug screen for cause; being mentally incompetent; unprofessional conduct of a character likely to deceive, defraud, or injure the public in matters pertaining to health; any other reasons authorized by law (Code of Alabama, 1975, Section 34-21-25 and Section 34-21-2[1]; Alabama Board of Nursing Administrative Code 610 X-8-02 and 610-X-8-03). A criminal and/or drug history could result in denial of permission to take the licensure examination. Applicants must also disclose (on the application to take the licensure exam) arrests that did not result in convictions and attach those court records to the application.

**BACHELOR OF SCIENCE IN NURSING
MAJOR: NURSING**

Core Requirement Courses for Upper Division in Nursing (62 Semester Hours)

The following list of courses is not intended to be a substitute for individual advisement by a Department of Nursing academic advisor.

Area I (6 Semester Hours)

- EH 101 English Composition I (3)
- EH 102 English Composition II (3)

* All students with less than 24 earned hours must take STU 101: First Year Experience Course.

Area II (12 Semester Hours)

- Literature (3)
- Literature (3)
- Fine Arts (3)
- EH 141 Oral Communication (3)

*Minimum of three hours of literature required (select from: EH 201, EH 202, EH 203, EH 204, EH 231, EH 232, EH 219, EH 220); a six-hour sequence of either literature or history is required. Minimum three hours fine arts required (Select from ART 202, DR 242, MU 233, or FL 101). If student chooses only three hours of literature, then history must be a six-hour sequence, and an additional three hours of approved fine arts or humanities will be necessary.

Area III (11 Semester Hours)

- BY 101/103 Introductory Biology I (4)
- CY 115 Concepts of General Chemistry (4)
- MS 112 Precalculus Algebra (3)

Area IV (12 Semester Hours)

- History (3)
- History (3)
- PSY 201 Principles of Psychology (3)
- PSY 222 Human Development (3)

** Minimum of three hours of history required (select from HY 101, HY 102, HY 201, HY 202); a six-hour sequence of either literature or history is required. If student chooses only three hours of history, then literature must be a six-hour sequence and an additional three hours of approved social/behavioral science will be necessary.

Area V (21 Semester Hours)

- BY 263 Anatomy and Physiology I (4)
- BY 264 Anatomy and Physiology II (4)
- BY 283 Health Microbiology (4)
- MS 204 Basic Statistics (3)
- FCS 322 Normal Nutrition (3)
- NU 121 Nursing Ethics (3)

Upper Division Nursing Courses (67 Semester Hours)

First Semester (14 Semester Hours)

NU 305 A Bridge to Success.....	(0)
NU 306 Pharmacology	(4)
NU 309 Health Assessment	(4)
NU 311 Foundations of Nursing Practice	(6)

Second Semester (13 Semester Hours)

NU 322 Health Deviations and Clinical Interventions	(3)
NU 325 Adult Health in Secondary and Community Settings	(5)
NU 326 Psychiatric Mental Health Nursing.....	(5)

Summer Semester (3 Semester Hours)

NU 340 Professional Practice and Care of the Aging Population	(3)
---------------------------------------------------------------------	-----

Third Semester (12 Semester Hours)

NU 403 Nursing Care of Children and Families.....	(5)
NU 404 Childbearing Families	(5)
NU 422 Nursing Leadership and Health Policy	(2)

Fourth Semester (13 Semester Hours)

NU 424 Adult Health in Secondary, Tertiary and Community Settings	(5)
NU 426 Community Health Across the Lifespan	(5)
NU 433 Advanced Health Deviations and Clinical Interventions	(3)

Fifth Semester (12 Semester Hours)

NU 428 Practicum	(6)
NU 455 Transition to Professional Nursing	(4)
NU 400 Research and Outcomes Management	(2)

TOTAL 120-129 Semester Hours

Online@JSU STEP Program RN-BSN

The Department of Nursing embraces the concept of nursing education advancement for individuals holding an associate degree or diploma in nursing. The Strategic Teaching for Enhanced Professional Preparation (STEP) program is a quality program designed to provide a seamless educational transition for registered nurses. The completely online delivery of this curriculum allows students to advance their nursing education while continuing to fulfill personal and professional responsibilities.

After completion of general studies requirements, nursing courses may be completed in one calendar year online for the full time student. Courses in the professional component of the BSN program are delivered via the internet utilizing Blackboard as the educational platform for teaching.

Application deadlines:

August 1st for fall assessment
December 1st for spring assessment
April 1st for summer assessment

Core Requirement Courses for STEP Program in Nursing (62 Semester Hours)

The following list of courses is not intended to be a substitute for individual advisement by a Department of Nursing academic advisor. Students with a four-year degree from a US accredited college or university, who also have an associate degree in nursing, will be admitted to the STEP Program with no additional core requirements.

Area I (6 Semester Hours)

EH 101 – English Composition I.....	(3)
EH 102 – English Composition II	(3)

*All students with less than 24 hours earned must take STU 101: First Year Experience Course.

Area II (12 Semester Hours)

Literature	(3)
Literature	(3)
Fine Arts.....	(3)
Humanities or Fine Art.....	(3)

*Minimum of three hours of literature required (select from: EH 201, EH 202, EH 203, EH 204, EH 231, EH 232, EH 219, EH 220); a six-hour sequence of either literature or history is required. Minimum three hours of fine arts required (Select from ART 202, DR 242, MU 233 or FL 101). If student chooses only three hour of literature, then history must be a six-hour sequence, and an additional three hours of approved fine arts or humanities will be necessary.

Area III (11 Semester Hours)

- BY 101/103 Introductory Biology I..... (4)
- *CY 115 Concepts of General Chemistry (4)
- *MS 112 Precalculus Algebra..... (3)

*Approved Science from STARS Guide may be substituted for CY 115. MS 110 may be substituted for MS 112.

Area IV (12 Semester Hours)

- History..... (3)
- History..... (3)
- PSY 201 Principles of Psychology (3)
- Social Science or Behavioral Science..... (3)

**Minimum of three hours of history required (select from HY 101, HY 102, HY 201, HY 202); a six-hour sequence of either literature or history is required. If student chooses only three hours of history, then literature must be a six-hour sequence and an additional three hours of approved social/behavioral science will be necessary.

Area V (21 Semester Hours)

- BY 263 Anatomy and Physiology I (4)
- BY 264 Anatomy and Physiology II..... (4)
- BY 283 Health Microbiology (4)
- Preprofessional, Major and Elective Courses..... (9)

REQUIRED NURSING COURSES

The required nursing courses can be completed online in three semesters (one calendar year). Completion of the upper division STEP nursing courses must occur in ten (10) semesters. Using the internet, Blackboard, and other distance learning modalities, the program is delivered at a time and place convenient to the individual student. The following courses are required for registered nurses in the STEP program.

Semester I

- NU 313 Online Orientation to the STEP Program (0)
- NU 345 Communication of Ethical Issues (4)
- NU 352 Health Assessment Across the Lifespan (3)
- NU 365 Pharmacology for Practicing Nurses..... (2)

9 hrs.

STEP recognizes the past academic and experiential knowledge of the registered nurse. RN students are awarded 35 hours of *STEP nursing credit* after successful completion of the first semester courses.

Semester II

- NU 350 Professional Roles and Issues..... (5)
- NU 401 Research Outcomes Management for the Practicing Nurse (3)
- NU 423 Nursing Management and Leadership..... (3)

11 hrs.

Semester III

- Nursing Elective (3)
- NU 343 Concepts of Emergency /Disaster Nursing (3)
- NU 456 Population Based Health Care (6)

12 hrs.

Total Hours: 120 – 129

**NURSING (NU)
COURSE DESCRIPTIONS**

121. Ethics in Nursing (3). Examines ethical reasoning and decision-making in relation to moral, legal, and professional standards. Specific issues confronting the health care delivery system will be analyzed.

- 130. Medical Terminology (3).** This online course introduces the elements of medical terminology and provides students with a basic understanding of the language used by healthcare professionals. Knowledge of prefixes, suffixes, word roots is emphasized. Singular and plural forms of medical terms are identified, along with emphasis on word analysis, word building and pronunciation. These guidelines are applied to diverse body systems. Each body system is briefly reviewed and common diagnostic, laboratory, and surgical procedures are introduced.
- 301. RISE to Success: Leadership in Critical Thinking and Clinical Prevention (1).** *Prerequisite: Assessment into upper division.* This course is designed to broaden student understanding of key nursing concepts. Through a variety of learning strategies students will develop decision-making skills applicable to the clinical setting. Lab required.
- 302. Preparation for NCLEX Success (2).** *Prerequisite: Assessment into upper division.* This course offered during the fifth semester of the nursing curriculum is designed to prepare students for the NCLEX-RN® exam. Individual plans for success are established based on areas of deficiency. Through standardized testing and self-analysis, students identify areas needing improvement and work to increase knowledge.
- 303. RISE to Success: Integration of Knowledge and Skills into Practice (3).** *Prerequisite: Assessment into upper division.* This course is designed as the initial course to assist students who are identified as at-risk and admitted to the RISE program. Students are introduced to effective strategies to promote learning and are individually guided by the instructor. Diverse strategies are utilized to increase perceived self-confidence and knowledge to facilitate success in nursing school. Assigned activities will include a variety of learning experiences, i.e., online, classroom, clinical laboratory or simulation.
- 304. RISE to Success: Scholarship of Nursing Practice (3).** *Prerequisite: Assessment into upper division.* This is a clinical course designed to facilitate essential skills for safe, effective nursing practice. Evidence-based research, clinical judgment, and interprofessional perspectives are incorporated into making decisions related to all steps of the nursing process. This course is designed to facilitate competency in clinical skills.
- 305. A Bridge to Success (0).** *Prerequisite: Assessment into upper division.* This course is a one day workshop offered just prior to the first semester nursing courses, designed to enhance skills needed for success in the baccalaureate nursing program. Emphasis will be on the acquirement, development, and utilization of proper study, time management, stress management, and learning style strategies to enhance success and thus improve retention.
- 306. Pharmacology (4).** *Co-Requisite: Assessment into upper division. Concurrent enrollment in NU 306, 309 and 311 required.* Designed to introduce the nursing student to the basic principles of drug therapy, drug calculations, and drug classifications. Lab required.
- 309. Health Assessment (4).** *Co-Requisite: Assessment into upper division. Concurrent enrollment in NU 306, 309 and 311 required.* Focuses upon patient assessment and nursing diagnosis, utilizing the approaches of history-taking and physical examination. Lab required.
- 311. Foundations of Nursing Practice (6).** *Co-Requisite: Assessment into upper division. Concurrent enrollment in NU 306, 309 and 311 required.* This clinical nursing course provides the first contact with individuals/families as clients/patients and emphasizes the development of skills in problem-solving, nursing process, communication, and therapeutic nursing interventions. Lab required.
- 313. Online Orientation to the STEP Program (0).** Required course for all new admissions to the STEP program and provides each student with valuable information about Blackboard, distance learning, GEM (Gamecock Electronic Mail), book lists and policies with the Department of Nursing.
- 322. Health Deviations and Clinical Interventions (3).** *Prerequisite: Completion of first semester upper division courses.* An in-depth study of disease processes across the life span. Health promotion and disease prevention will be integrated by emphasizing risk factors and relevant therapeutic approaches to reduce the incidence of acute and chronic health problems.
- 325. Adult Health in Secondary and Community Settings (5).** *Prerequisite: Completion of first semester upper division courses.* Course through which students learn the responsibilities of professional nursing in providing nursing care to the adult patient with various medical-surgical problems. Lab and clinical required.
- 326. Psychiatric Mental Health Nursing (5).** *Prerequisite: Completion of first semester upper division courses.* This course is designed to enable students to understand the dynamics of psychiatric nursing and mental health, with an emphasis on the holistic therapeutic care of psychiatric patients/families as well as the therapeutic use of self. The concentration of the course will be focused on the attainment of knowledge regarding psychiatric diagnoses, utilization of the nursing process in providing therapeutic nursing care, understanding appropriate treatment modalities and the establishment of the nurse-patient relationship as it deals with the psychopathological behavior found in the psychiatric patient. Clinically, the student will be utilizing and employing the theoretical aspects in nursing assessment and patient care, one-to-one interactions, group situations, healthcare team discussions, as well as supervision sessions. Lab and clinical required.
- 344. Perspective in Women's Health (3).** Elective in nursing. *Prerequisite: For RN students only.* Provides an overview of current women's health issues across the lifespan. Course focuses on the social, political, economic, and cultural influences on women's health.
- 345. Communication of Ethical Issues (4).** *Prerequisite: Assessment into STEP program. For RN students only.* Using ethical decision-making as a framework, professional communication will be evidenced through peer critique and

scholarly writing. Personal and professional values will be identified through technical, analytical, persuasive, and creative writing.

352. **Health Assessment Across the Lifespan (3).** *Prerequisite: Assessment into STEP program. For RN students only.* Provides a foundation for developing a holistic approach as it applies to the physiological, psychological, sociocultural, and environmental health status of individuals. Designed to assist the registered nurse with improving communication skills, interview techniques, history-taking, and physical examination techniques in patient/client evaluations.
365. **Pharmacology for Practicing Nurses (2).** *Prerequisite: Assessment into STEP program. For RN students only.* This course focuses on current pharmacological concepts for practicing nurses. Emphasis is on current drug classifications, commonly used drugs, assessing client responses to drug therapy, client teaching and nursing interventions related to drug therapy.
400. **Research and Outcomes Management (2).** *Prerequisite: Completion of first semester courses.* Designed to assist students to develop knowledge and skills in the research process, to become consumers of research, and to conceptualize the significance of research as the foundation of evidence-based nursing practice.
401. **Research and Outcomes Management for the Practicing Nurse (3).** *Prerequisite: Admission to STEP program. For RN students only.* Designed to assist students who are practicing nurses to develop knowledge and skills in the research process, to become consumers of research, and to conceptualize the significance of research as the foundation of evidence-based nursing practice.
403. **Nursing Care of Children and Families (5).** *Prerequisite: Completion of first and second semester upper division courses.* This course presents nursing care of children and families from well-child care through acute and chronic illnesses in a variety of settings from schools, hospitals to specialty areas that focus on early intervention and special needs. The nursing care of children and families centers on understanding growth and development, health promotion, and interventions to maximize optimal health. Lab and clinical required.
404. **Childbearing Families (5).** *Prerequisite: Completion of first and second semester upper division courses.* Clinical course designed to enable the student to practice the various roles assumed by professional nurses in the provision of family centered maternal-infant care. Lab and clinical required.
422. **Foundations of Nursing Leadership (2).** *Prerequisite: Completion of first semester courses.* Introduction to concepts of professional leadership and management and their use in the practice setting with a concentration on professionalism. Emphasis is placed on leadership theories, leadership and management styles, time and stress management, burnout, types of communication, conflict strategies and conflict resolution, planned change, decision making, delegation and scope of practice, prioritization, legalities, advocacy, and the significance of diversity and inclusion.
423. **Nursing Management and Leadership (3).** *Prerequisite: Assessment into STEP program. For RN students only.* Provides an overview of concepts of professional leadership and management and their use in the practice setting for the practicing nurse. Emphasizes organizational structure, management, professional and leadership issues.
424. **Adult Health in Secondary, Tertiary, and Community Settings (5).** *Prerequisite: Completion of first, second, and third semester upper division courses.* Enhances and further develops the student's ability and knowledge to care for adults with complex health problems together with their need for sophisticated nursing interventions. Lab and clinical required.
426. **Community Health Across the Lifespan (5).** *Prerequisite: Completion of first, second, and third semester upper division courses.* Enables the student to use an epidemiological approach in coping with health and illness problems of families, aggregates of populations, and communities. Lab and clinical required.
428. **Practicum (6).** *Prerequisite: Completion of first, second, third, and fourth semester upper division courses.* This course focuses on the synthesis and application of previous and concurrent learning in the clinical setting under supervision of course faculty and a clinical preceptor. Additionally, the course is designed to enhance student success on the National Council Licensure Examination (NCLEX-RN®). Lab and clinical required.
433. **Advanced Health Deviations and Clinical Interventions (3).** *Prerequisite: Completion of first, second, and third semester upper division courses.* Enables students to integrate concepts in pathophysiology, health deviations, nursing interventions, laboratory tests, and pharmacology as these topics relate to populations at risk.
442. **Transcultural Nursing and Healthcare (3).** Elective in nursing. *Prerequisite: Assessment into STEP Program. For RN students only.* An exploration of theoretical foundations for cultural diversity in health and illness, with emphasis in assessment and analysis of selected cultures as related to nursing and health care practices.
444. **Implementation of Professional Nurse Role (3).** *Prerequisite: Permission of instructor required.* Experience an in-depth analysis of professional nurse roles in selected clinical settings. Credit for ROTC Advanced Camp may be given with approval.
446. **Independent Study (2).** *Prerequisite: Permission of advisor.* Special project in nursing studies. Pass/Fail grade only.
447. **Independent Study (1).** *Prerequisite: Permission of advisor.* Special project in nursing studies. Pass/Fail grade only.
448. **Directed Study (3).** Elective in nursing. Offers the student the opportunity to explore specific areas of interest in nursing in either the theoretical and/or clinical arenas. Requires completion of coursework to support the areas of interest.

456. Population-Based Health Care (6). *Prerequisite: Assessment into STEP program. For RN students only.* Course designed for the registered nurse to apply theoretical concepts related to primary, secondary, and tertiary care of families, aggregates, and populations. Emphasis is on the application of the nursing process and education for at-risk aggregates. Clinical experiences will be designed to meet the individual learning needs of the registered nurse student.

RESPIRATORY THERAPY

**BACHELOR OF SCIENCE IN RESPIRATORY THERAPY
MAJOR: RESPIRATORY THERAPY**

**Accredited by:
Commission on Accreditation for Respiratory Care (provisional)**

**Program Director: Ed Goodwin
Director of Clinical Education: Andres Crawley
Instructor: Tyler Garth**

Students begin the respiratory program by taking core requirement courses. A separate application is filed to request assessment into the clinical portion (upper division) of respiratory. The department assesses students for eligibility for the upper division respiratory program in the spring of each year. The deadline for submission of applications for assessment to the upper division program of nursing is June 1st for fall. Late applications are not accepted. Only students who have been admitted to Jacksonville State University and who meet eligibility requirements may apply for assessment into the upper division respiratory program. Those planning to apply for assessment into the upper division respiratory program should contact the Director of Academic Services in the School of Health Professions and Wellness well in advance of the application deadline in order to confirm eligibility.

Entry into the upper division of respiratory requires completion of all core requirement courses with a core requirement grade point average (GPA) of 2.50 or above and a minimum grade of "C" in each core requirement course. If a course is taken more than one time, the highest grade earned will be used in the calculation of the core requirement GPA. Once a passing grade of "C" or above has been earned in a course, that course cannot be repeated for a higher grade. Students who do not meet the above standards are not eligible to apply for assessment into upper division. Each student's record will be assessed for completion of core requirements and as a basis for approval to enter the upper division. The review process may include a personal interview with the candidate, a background check, contact with personal references, and, if the student has been enrolled in other respiratory programs, contact with previous respiratory faculty. The assessment process may also include evaluation of essential academic skills and critical thinking. Students admitted to the university Fall 2018 and thereafter must have a current ACT score of 18 (within five years). Students who have English as a second language must present a minimum score on the TOEFL (Test of English as a Foreign Language) exam taken within four years. To be eligible for assessment into upper division, minimum scores are: 560 for TOEFL Written (paper based), 220 for TOEFL CBT (computer based), or 83 for iBT (internet based). Students native to countries where English is a commonly used language and/or those who have been living in a country for many years where English is a primary spoken language may request a waiver of this requirement.. The Department of Respiratory reserves the right to limit the number of students enrolled in nursing courses in order to make the most effective use of the educational resources available. Because of limited resources, eligibility for the program is competitive; all students who qualify may not be selected. Students must comply with all Department of Respiratory policies for entrance into and continuation in the respiratory program, which include, but are not limited to, a clear criminal background check and drug screen.

**Core Requirement Courses for Upper Division in Respiratory Therapy
(57 Semester Hours)**

The following list of courses is not intended to be a substitute for individual advisement by an academic advisor.

Area I (6 Semester Hours)

- EH 101 English Composition I (3)
- EH 102 English Composition II (3)

*All students with less than 24 earned hours must take STU 101: First Year Experience Course.

Area II (12 Semester Hours)

- Literature (3)
- Literature (3)
- Fine Arts..... (3)
- EH 141 Oral Communication..... (3)

* Minimum of three hours of literature required (select from: EH 201, EH 202, EH 203, EH 204, EH 231, EH 232, EH 219, EH 220); a six-hour sequence of either literature or history is required. Minimum three hours fine arts required (select from ART 202, DR 242, MU 233, or FL 101). If student chooses only three hours of literature, then history must be a six- hour sequence, and an additional three hours of approved fine arts or humanities will be necessary.

Area III (11 Semester Hours)

BY 101 / 103 Introductory Biology I	(4)
CY 115 Concepts of General Chemistry	(4)
MS 112 Precalculus Algebra	(3)

Area IV (12 Semester Hours)

History I	(3)
History II	(3)
PSY 201 Principles of Psychology	(3)
SY 221	(3)

** Minimum of three hours of history required (select from HY 101, HY 102, HY 201, HY 202); a six-hour sequence of either literature or history is required. If student chooses only three hours of history, then literature must be a six-hour sequence, and an additional three hours of approved social/behavioral science will be necessary.

Area V (15 Semester Hours)

BY 263 Anatomy and Physiology I	(4)
BY 264 Anatomy and Physiology II	(4)
BY 283 Health Microbiology	(4)
MS 204 Basic Statistics.....	(3)

Upper Division Respiratory Therapy Courses

First Semester (15 Semester Hours)

RT 300 Fundamentals of Respiratory Care I.....	(4)
RT 305 Patient Assessment.....	(4)
RT 310 Cardiopulmonary Anatomy and Physiology.....	(3)
RT 315 Respiratory Care Pharmacology	(2)
RT 320 Clinical I.....	(2)

Second Semester (14 Semester Hours)

RT 325 Fundamentals of Respiratory Care II	(4)
RT 330 Airway Management and Resuscitation.....	(2)
RT 335 Pathology for Respiratory Care.....	(3)
RT 340 Research.....	(3)
RT 345 Clinical II.....	(2)

Third Semester (9 Semester Hours)

RT 350 Ventilatory Support I	(4)
RT 355 Advanced Critical Care Monitoring	(3)
RT 360 Clinical III	(2)

Fourth Semester (14 Semester Hours)

RT 400 Ventilatory Support II.....	(4)
RT 405 Neonatal and Pediatric Respiratory Care	(3)
RT 410 Pulmonary Diagnostics	(3)
RT 415 Clinical IV	(4)

Fifth Semester (13 Semester Hours)

RT 420 Palliative, Long-Term, and Preventive Care	(3)
RT 425 Respiratory Therapy Education	(3)
RT 430 Respiratory Therapy Leadership	(2)
RT 435 Clinical V	(4)
RT 440 Advanced Level Exam Review.....	(1)

TOTAL HOURS REQUIRED FOR DEGREE: 121

Respiratory Therapy Bridge Program (RRT)

The RRT_BSRT program is designed to allow registered respiratory therapists that have completed an associate-level program the option of obtaining an advanced degree. The student must complete ten (10) online courses for a total of thirty-two (32) semester hours. The program consists of upper-division respiratory courses that provide the student an opportunity for professional growth and development.

Core Requirement Courses for RT Bridge Program (56 Semester Hours)

The following list of courses is not intended to be a substitute for individual advisement by a Department of Respiratory academic advisor. Students with a four-year degree from a US accredited college or university, who also have earned the Registered Respiratory Therapist credential from the National Board for Respiratory Care, will be accessed to the RT Bridge Program with no additional core requirements.

Area I (6 Semester Hours)

EH 101 – English Composition I.....	(3)
EH 102 – English Composition II	(3)

*All students with less than 24 hours earned must take STU 101: First Year Experience Course.

Area II (12 Semester Hours)

Literature	(3)
Literature	(3)
Fine Arts.....	(3)
Humanities or Fine Art.....	(3)

*Minimum of three hours of literature required (select from: EH 201, EH 202, EH 203, EH 204, EH 231, EH 232, EH 219, EH 220); a six-hour sequence of either literature or history is required. Minimum three hours of fine arts required (Select from ART 202, DR 242, MU 233 or FL 101). If student chooses only three hour of literature, then history must be a six-hour sequence, and an additional three hours of approved fine arts or humanities will be necessary.

Area III (11 Semester Hours)

*BY 101 / 103 Introductory Biology I	(4)
*CY 115 Concepts of General Chemistry	(4)
*MS 112 Precalculus Algebra	(3)

*Approved Science from STARS Guide may be substituted for BY 101/103 and/or CY 115. MS 110 may be substituted for MS 112.

Area IV (12 Semester Hours)

History.....	(3)
History	(3)
PSY 201 Principles of Psychology	(3)
Social Science or Behavioral Science.....	(3)

**Minimum of three hours of history required (select from HY 101, HY 102, HY 201, HY 202); a six-hour sequence of either literature or history is required. If student chooses only three hours of history, then literature must be a six-hour sequence and an additional three hours of approved social/behavioral science will be necessary.

Area V (15 Semester Hours)

BY 263 Anatomy and Physiology I	(4)
BY 264 Anatomy and Physiology II.....	(4)
Preprofessional, Major and Elective Courses.....	(7)

Spring Semester (9 Semester Hours)

RT 442 Advanced Ventilatory Support.....	(4)
RT 444 Critical Care Monitoring	(2)
RT 446 Research for Respiratory Therapy	(3)

Fall Semester (10 Semester Hours)

RT 450 Healthcare Education for Respiratory Therapists	(4)
RT 452 Patient Care Management Strategies.....	(3)
RT 454 Advanced Neonatal and Pediatric Care.....	(3)

Summer Semester (10 Semester Hours)

RT 456 Healthcare Leadership for Respiratory Therapists	(4)
RT 458 Special Procedures	(3)
RT 460 Alternative Care Roles for Respiratory Therapists.....	(3)

To be taken alone or during other semester:

RT 448 Advanced Practice Elective.....	(3)
----------------------------------------	-----

The Respiratory Therapy Bridge Program recognizes the past academic and experiential knowledge of the registered respiratory therapist. RRT Bridge students are awarded thirty-three (33) semester hours of RT credit after successful completion of the first semester courses.

TOTAL HOURS REQUIRED FOR DEGREE: 121

**RESPIRATORY THERAPY (RT)
COURSE DESCRIPTIONS**

300. **Fundamentals of Respiratory Care I (4).** A study of respiratory care treatment modalities and equipment. Emphasis is placed on understanding application to patient situations, assessment of care, and principles of operation of equipment. Infection control issues will be included. Students will discuss the pathophysiology, health promotion and disease prevention aspects of each modality. Relevant lab exercises will be included.
305. **Patient Assessment (4).** A study of patient assessment skills and procedures used in the evaluation of the respiratory patient. Emphasis will be on patient care procedures, physical assessment, laboratory assessment, communication skills and documentation. Professionalism, ethics and civic responsibilities of the respiratory therapist will be discussed. Relevant lab exercises will be included.
310. **Cardiopulmonary Anatomy and Physiology (3).** A study of the structure and function of the respiratory system. Physiology of the respiratory, cardiac, and renal systems will be discussed. Emphasis will be on how each control the body's acid-base status and the effects of respiratory therapeutic modalities on each system.
315. **Respiratory Care Pharmacology (2).** A study of pharmacological agents used in the treatment of cardiopulmonary disease and critical care. Emphasis will be on drugs used to influence the respiratory, cardiovascular, nervous and renal systems.
320. **Clinical I (2).** Practical application of respiratory care performed under supervision at clinical sites. This course serves as an introduction to the hospital environment. Proficiency evaluations of selected respiratory care procedures will be completed. Eight hours of clinical experience for four weeks will be included.
325. **Fundamentals of Respiratory Care II (4).** This course is a continuation of RT 300. It is designed to continue the progression from basic respiratory care modalities to more advanced therapy and equipment. Emphasis will continue to be on understanding application to patient situations, assessment of care, and principles of operation of equipment. Relevant lab exercises will be included.
330. **Airway Management and Resuscitation (2).** A study of the selection, application, maintenance, and discontinuance of various artificial airways. Emphasis will be on intubation, extubation, tracheostomy care, and suctioning. The role of the respiratory therapist in a cardiopulmonary arrest will be covered in accordance with American Heart Association Advanced Cardiopulmonary Life Support (ACLS) guidelines. ACLS will be taught.
335. **Pathology for Respiratory Care (3).** A study of the diseases affecting the respiratory system commonly encountered by practicing respiratory therapists. The pathophysiology, clinical signs and symptoms, diagnosis, management, and prognosis of acute and chronic pulmonary diseases will be discussed.
340. **Research (3).** A study of clinical research methods and concepts related to respiratory care. Emphasis is on an overview of the research process and how to critically evaluate published and empirical research.
345. **Clinical II (2).** Practical application of respiratory care performed under supervision at clinical sites. Proficiency evaluations of selected respiratory care procedures will be completed, including basic and advanced modalities. Students will prepare and present case studies relevant to this patient population.
350. **Ventilatory Support I (4).** A study of the basic physics, theory, and methods commonly used in mechanical ventilation. Emphasis will be on patient management and assessment. Invasive and non-invasive ventilation will be discussed, including advanced oxygen delivery systems. Relevant lab exercises will be included.
355. **Advanced Critical Care Monitoring (3).** A study of advanced cardiopulmonary monitoring used in critical care. Emphasis will be on ventilator waveform analysis, capnography, and hemodynamic monitoring.
360. **Clinical III (2).** Practical application of respiratory care performed under supervision at clinical sites. Proficiency evaluations of selected respiratory care procedures will be completed, including advanced modalities and mechanical ventilation. Students will prepare and present case studies relevant to this patient population.
400. **Ventilatory Support II (4).** This course is a continuation of RT 350. A study of advanced mechanical ventilation. Adult, pediatric, and neonatal ventilation will be discussed. Emphasis will be on patient management and assessment. Relevant lab exercises will be included.
405. **Neonatal and Pediatric Respiratory Care (3).** A study of respiratory therapy involving infants and children. Emphasis will be on patient management and assessment in basic and intensive care settings. Developmental anatomy and physiology, pharmacology, disease management and prevention, health promotion, oxygenation, and resuscitation will be discussed. PALS and NRP will be taught. Relevant lab exercises will be included.
410. **Pulmonary Diagnostics (3).** A study of diagnostic testing and measurements used in providing care for respiratory patients. Emphasis will be on pulmonary function testing, bronchoscopy, sleep studies, and other special procedures commonly encountered by the practicing respiratory therapist. Relevant lab exercises will be included.
415. **Clinical IV (4).** Practical application of respiratory care performed under supervision at clinical sites. Proficiency evaluations of selected respiratory care procedures will be completed, including advanced mechanical ventilation, special populations, and diagnostics. Students will prepare and present case studies relevant to this patient population.
420. **Palliative, Long-Term, and Preventative Care (3).** A study of the respiratory therapist's role in pulmonary rehabilitation, home care, and patient education and motivation in preventative care. Reimbursement issues will

be discussed. This course will also provide an overview of the growing need for quality palliative care. The scope of palliative care and current end-of-life issues will be introduced.

425. **Respiratory Therapy Education (3).** A study of general educational and instructional methods and techniques. Emphasis will be on patient education and health promotion. The student will learn how to write learning objectives, how to evaluate patient education, how to prepare and present a topic for an in-service presentation, and how to present a lecture in a classroom and in the laboratory environment.
430. **Respiratory Therapy Leadership (2).** A study of management of a respiratory therapy and cardiopulmonary department. Emphasis will be on regulatory agency and accreditation standards related to respiratory therapy, departmental budgeting, quality assurance, human resource issues, conflict resolution, and staff training.
435. **Clinical V (4).** Practical application of respiratory care performed under supervision at clinical sites. This course prepares students to perform as advanced-level respiratory therapists. Proficiency evaluations of selected respiratory care procedures will be completed. Emphasis will be on advanced mechanical ventilation in adults, pediatrics, and neonates; special procedure areas may be assigned.
440. **Advanced-Level Exam Review (1).** This course is designed to assist students in preparing for the Therapist Multiple-Choice and Clinical Simulation Exams offered by the National Board for Respiratory Care (NBRC).
442. **Advanced Ventilatory Support (4).** *Prerequisite: Assessment into RT Bridge program. For RT students only.* A study of advanced mechanical ventilation. Adult, pediatric, and neonatal ventilation will be discussed. Emphasis will be on patient management and assessment. Invasive and non-invasive ventilation techniques will be included.
444. **Critical Care Monitoring (2).** *Prerequisite: Assessment into RT Bridge program. For RT students only.* A study of monitoring utilized in an intensive care unit. Emphasis will be on ventilator waveform analysis, capnography, pulse oximetry, and hemodynamic monitoring.
446. **Research for Respiratory Therapists (3).** *Prerequisite: Assessment into RT Bridge program. For RT students only.* A study of clinical research methods and concepts related to respiratory care. Emphasis is on an overview of the research process and how to critically evaluate published and empirical research.
448. **Advanced Practice Elective (3).** *Prerequisite: Assessment into RT Bridge program. For RT students only.* The Advanced Practice Elective can be completed in the semester of the student's choice. Completion of the course requires the student to prepare for and complete the requirements for one of the following advanced practice credentials: Advanced Critical Care Specialist, Neonatal-Perinatal Specialist, Certified Asthma Education, Certified Pulmonary Function Technologist, Registered Pulmonary Function Technologist, Certified Sleep Disorder Specialist, Registered Sleep Disorder Specialist, or Certified Tobacco Treatment Specialist.
450. **Healthcare Education for Respiratory Therapists (4).** *Prerequisite: Assessment into RT Bridge program. For RT students only.* A study of the respiratory therapist's role in patient education and health promotion. General educational and instructional methods and techniques will be introduced. The student will learn how to write learning objectives, how to evaluate patient education, how to prepare and present a topic for an in-service presentation, and how to present a lecture in a classroom and in the laboratory environment.
452. **Patient Care Management Strategies (3).** *Prerequisite: Assessment into RT Bridge program. For RT students only. Prerequisite: RT 446.* A study of the current professional environment and the role of the respiratory therapist in patient care management. An introduction to the concept of evidence-based practice and discussion of how to incorporate evidence and best practices into professional work. Therapist-driven protocols, respiratory case managers, and care coordinators/navigators will be introduced.
454. **Advanced Neonatal and Pediatric Care (3).** *Prerequisite: Assessment into RT Bridge program. For RT students only.* A study of respiratory care involving infants and children. Emphasis will be on patient management and assessment in basic and intensive care settings. Developmental anatomy and physiology, pharmacology, disease management and prevention, health promotion, oxygenation, and resuscitation will be discussed.
456. **Healthcare Leadership for Respiratory Therapists (4).** *Prerequisite: Assessment into RT Bridge program. For RT students only.* A study of the management of a respiratory therapy and cardiopulmonary department. Emphasis will be on regulatory agency and accreditation standards related to respiratory therapy, departmental budgeting, quality assurance, human resource issues, conflict resolution, staff training, and customer service.
458. **Special Procedures (3).** *Prerequisite: Assessment into RT Bridge program. For RT students only.* A study of diagnostic testing commonly encountered by practicing respiratory therapists. Emphasis will be on pulmonary function studies. Other special procedures will be introduced.
460. **Alternative Care Roles for Respiratory Therapists (3).** *Prerequisite: Assessment into RT Bridge program. For RT students only.* A study of the respiratory therapist's role in pulmonary rehabilitation, long-term care, long-term acute care, home care and palliative care. Patient education and motivation in preventative care will be discussed. An overview of reimbursement issues will be included. The scope of palliative care and end-of-life issues will be discussed.

SCHOOL OF HUMAN SERVICES AND SOCIAL SCIENCES

Dean: Maureen Newton

The School of Human Services and Social Sciences offers quality academic programs through traditional, hybrid, and online course offerings. We proudly serve students from the State of Alabama, as well as, students from all over the world who want an excellent education. Our school offers professional degree programs for immediate careers at the baccalaureate, master's, and doctoral level and preparation for success in graduate school.

Our faculty and staff seek to serve students in a manner that leads to transformative educational and interpersonal experiences. Students work with accomplished faculty who are engaged in innovative forms of teaching, scholarship, and service. The goal of our school is to provide students with opportunities and experiences that lead to life-long personal and professional success. Graduates are prepared for careers in criminal justice and forensics, emergency management and disaster preparedness, political science and public administration, psychology, sociology, social work, and military and veteran services.

ALBERT P. BREWER DEPARTMENT OF CRIMINAL JUSTICE

126 BREWER HALL

Department Head: Richards P. Davis

Professor: Davis, Kania, R. Mellen

Associate Professor: Buttram, Morgan

Assistant Professor: Lang, Murtagh

Instructor: Haney, Patton, Pearce

CRIMINAL JUSTICE MAJOR

The Department of Criminal Justice merges liberal arts and professional studies into a well-balanced curriculum. A Bachelor of Science with a major in criminal justice is a solid foundation for law school or graduate study, in addition to being a superb preparation for employment in the rapidly growing field of criminal justice. The core courses provide a basic understanding of the nature of crime and society's reaction to crime, as well as an in-depth investigation of the various components within the criminal justice system. Studies in concentration areas provide students the opportunity to acquire knowledge and skills which enhance future employment and serve as a basis for advanced studies.

ACADEMIC CONCENTRATIONS

Concentration in Corrections. This concentration prepares students for working with individuals who have been placed under the custody of the correctional system. The purpose of corrections is two-fold: to punish individuals who have committed crimes and to rehabilitate those same individuals for successful re-entry into society. Studies in juvenile justice examine the treatment of juvenile offenders.

Concentration in Law Enforcement. This concentration focuses on the study of the role and functions of police organizations as agents of crime prevention in a democratic society, including an understanding of police history, organizational structure, policies, planning, and coordination between various police organizations. The importance of establishing and maintaining positive, supportive relations with the public is an area of special interest.

PLAN OF STUDY

The Bachelor of Science with a major in Criminal Justice requires the following, which meets the general academic regulations: a minimum of 120 hours consisting of 50 hours of general studies courses; 18 hours of criminal justice core courses; 24 hours in a criminal justice concentration; and 28 hours of minor and elective courses.

NOTE: Criminal Justice majors **must** obtain a minor outside the department. Students selecting the Forensic Investigations concentration must select a minor in one of the following disciplines: Accounting, Biology, Chemistry, Computer Science, Computer Information Systems, Finance, Geography, Physics, or Psychology. Chemistry is the minor most highly recommended. A second minor in Spanish is encouraged. For all other Criminal Justice concentrations, Spanish is the preferred minor or co-minor.

Criminal Justice Core Curriculum

18 hours required for all CJ majors

CJ 101	Introduction to Criminal Justice	3 hours
CJ 201	Criminal Law	3 hours
CJ 300	Theories of Crime Causation	3 hours
CJ 302	Research Methods	3 hours
CJ/FI 225 or CJ 325	Criminal Courts	3 hours
Select one course from the following:		
Senior Internship: CJ/FI 472 or Senior Seminar: CJ/FI 494/497, 495/498 or 496/499		3 hours

Corrections Concentration - 24 hours

CJ 200	Introduction to Corrections	3 hours
CJ 310	Criminal Behavior and Rehabilitation Strategies	3 hours
CJ 311	Correctional Techniques	3 hours
CJ 315	Community-Based Corrections	3 hours
CJ 322	Juvenile Agencies	3 hours
	+9 hours of CJ electives	

Law Enforcement Concentration - 24 hours

CJ 202	Introduction to Law Enforcement	3 hours
CJ 363	Foundations of Law Enforcement	3 hours
CJ 370	Police Administration	3 hours
CJ 402	Police and Community Relations	3 hours
CJ/FI 320 or CJ 460	Criminal Investigation	3 hours
	+9 hours of CJ electives	

Courses credited within the core or a concentration will not be credited within another concentration or minor.

Students who are not majoring in Criminal Justice may minor in Criminal Justice, Corrections, or Law Enforcement. Each minor requires a minimum of 21 credit hours. A minor in Criminal Justice consists of CJ 101, 200, 201, 202, 300, 325 and three hours of CJ electives. A minor in Corrections consists of CJ 101, 200, 310, 311, 315, 322, and three hours of CJ electives. A minor in Law Enforcement consists of CJ 101, 202, 363, 370, 402, CJ/FI 320 or CJ 460, and three hours of CJ electives.

**PLAN OF STUDY
BACHELOR OF SCIENCE
MAJOR: CRIMINAL JUSTICE**

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations.

FRESHMAN YEAR

Fall	Spring
EH 1013	EH 1023
HY sequence3	HY sequence3
Natural Science4	Natural Science4
CJ 1013	CJ 200 or CJ 202 or FI 204 or CJ 304.....3
MS 110/112.....3	MS 204 or approved alternate3
STU 101.....0	
16	16

SOPHOMORE YEAR

Fall	Spring
Literature*3	Literature*3
EH 1413	Fine Arts Elective3
CS 2013	PSY 2013
CJ 3003	CJ 2013
CJ Concentration3	SY 2213
15	15

JUNIOR YEAR

Fall	Spring
CJ/FI 3023	CJ Concentration.....6
PSC 1003	Minor/General Electives5
CJ Concentration.....6	CJ/FI 225 or CJ 325.....3
Minor/General Electives3	
15	14

SENIOR YEAR

Fall	Spring
CJ Concentration6	Minor/General Electives 11
Minor/General Electives9	Internship (CJ/FI 472) or Senior Seminar (CJ/FI 494/497, 495/498, or 496/499) 3
15	14
TOTAL HOURS: 120	

*Select from these courses: EH 201, 202, 203, 204, 219, 220, 231, or 232.

FORENSIC INVESTIGATION MAJOR

The Bachelor of Science with a major in Forensic Investigation (FI) consists of two separate tracks that address career interests. Students interested in pursuing a major in FI must initially declare their major as Forensic Investigation Undecided. They will be advised to complete the lower division Forensic Investigation core that consists of five classes (15 semester hours). Upon completion of these lower division courses with a minimum of a 2.5 overall GPA and a 2.5 in FI coursework, they will be assessed to proceed to upper division coursework in one of the two Forensic Investigation tracks.

ACADEMIC TRACKS IN FORENSIC INVESTIGATION

TRACK ONE: "CRIMINAL INVESTIGATIONS" is designed for students interested in working in an investigative capacity in the professional field of law enforcement. It provides insights into basic investigative skills, as well as specialized skills in drug, homicide, sex offenses, child abuse, and arson investigations. The main theme for forensic investigation "Track One" however, is crime scene processing, identification and collection of physical evidence, and the presentation of evidence into a court of law.

TRACK TWO: "FORENSIC LABORATORY/TECHNICIAN" is designed for students interested in working in a laboratory environment as either a forensic scientist or technician and is a solid foundation for graduate study. Track Two requires a minor or second major in either Biology, Chemistry, or Physics to assist in making our graduates as educated in their chosen area as possible.

PLAN OF STUDY

The Bachelor of Science with a major in Forensic Investigation requires the following, which meets the general academic regulations: a minimum of 120 hours consisting of 47 hours of general studies courses; 15 hours of Forensic Investigation Lower Division Core courses; 30 hours in a Forensic Investigation track; and 28 hours of minor and elective courses.

NOTE: Forensic Investigation majors must obtain a minor outside the department.

Forensic Investigation Undecided majors must complete the lower division FI Core. Upon completion of the lower division FI Core courses, students will be assessed by their advisor for upper division coursework in the FI major. Students must meet the minimum 2.5 GPA overall and 2.5 in their FI Core classes. Upon successful assessment, students will major in Forensic Investigation Track One, "Criminal Investigations" or Forensic Investigation Track Two, "Forensic Laboratory/Technician."

Forensic Investigation Lower Division Core Courses

<u>FORENSIC INVESTIGATION CORE (Lower Division):</u>		(15 HRS TOTAL)*
CJ 101	Introduction to Criminal Justice	3 hours
CJ 201	Criminal Law	3 hours
CJ202	Introduction to Law Enforcement	3 hours
FI 204/CJ 304	Introduction to Forensics	3 hours
Investigation CJ 225 or CJ 325	Criminal Courts	3 hours

* Upon completion, students MUST meet with their advisor to determine whether they meet the minimum requirements to be assessed into the appropriate Forensic Investigation track.

<u>TRACK ONE (CRIMINAL INVESTIGATIONS):</u>		(27 HRS TOTAL)
FI 310, CJ 430	Criminalistics	3 hours
CJ/FI 320, CJ 460	Criminal Investigations	3 hours
FI 330	Forensic Documentation	3 hours

FI 340/CJ 456	Homicide Investigations	3 hours
FI 350/CJ 463	Crime Scene Processing	3 hours
FI 410	Imprint and Impression Evidence	3 hours
FI 300+ Elective		3 hours
FI 300+ Elective		3 hours
FI 494-499 or 472	Senior Capstone Course	3 hours

TRACK TWO (FORENSIC LABORATORY/TECHNICIAN): (27 HRS TOTAL)

FI 310/CJ 430	Criminalistics	3 hours
FI 330	Forensic Documentation	3 hours
FI 360	Forensic Pathology	3 hours
FI 370 or CJ 368	Forensic Osteology	3 hours
FI 480 or CJ 467	Trace Evidence	3 hours
FI 300+ Elective		3 hours
FI 300+ Elective		3 hours
FI 300+ Elective		3 hours
CJ/ FI 494-499, or 472	Senior Capstone Course	3 hours

* If a course is used to satisfy the Senior Capstone Course requirement, it cannot also be used to satisfy an elective requirement.

Courses credited within the core or a concentration will not be credited within another concentration or minor.

Students who are not majoring in Forensic Investigation may minor in Forensic Investigation. A minor requires a minimum of 21 credit hours. A minor in Forensic Investigation consists of CJ 101, 202, FI 204/CJ 304, FI 310/CJ 430, FI 340/CJ456, FI 320/CJ 320 or CJ 460, and three hours of CJ electives.

PLAN OF STUDY

**BACHELOR OF SCIENCE
MAJOR: FORENSIC INVESTIGATION**

(Track One: Criminal Investigations)

FRESHMAN YEAR

Fall	Spring
EH 1013	EH 1023
HY Sequence3	HY sequence3
Natural Science4	Natural Science4
CJ 1013	EH 1413
MS 1103	MS 112 or approved alternate.....3
STU 101.....0	
<hr/> 16	<hr/> 16

SOPHOMORE YEAR

Fall	Spring
Literature*3	Literature3
CJ 201.3	FI 204 or CJ 304.....3
CJ 2023	PSY 2013
Foreign Language3	CJ 225 or 3253
PSC 1003	General Elective1
<hr/> 15	<hr/> 13

JUNIOR YEAR

Fall	Spring
FI 3103	FI 340 or CJ 456.....3
CJ/ FI 320 or CJ 4603	FI 350 or CJ 463.....3
FI 3303	Minor/2 nd Major/General Electives6
Minor/2 nd Major/General Electives.....6	
CS2013	
<hr/> 15	<hr/> 15

SENIOR YEAR

Fall		Spring	
FI 410	3	FI Elective.....	3
FI Elective	3	FI Senior Capstone Course**	3
Minor/2 nd Major***/General Elective	9	Minor/2 nd Major***/General Elective	9
		FI Major Field Test****	0
	<hr/> 15		<hr/> 15

TOTAL HOURS: 120

* Select from these English Literature Courses: EH 201, 202, 203, 204, 219, 220, 231, or 232

** Select one from these Senior Capstone Courses: FI 472, 494/497, 495/498, or 496/499

***Choosing to declare a 2nd major will require additional classes and hours above the one major and one minor option listed above.

****The Forensic Investigation Major Field Test is to be taken during the Senior Seminar Course.

**PLAN OF STUDY
BACHELOR OF SCIENCE
MAJOR: FORENSIC INVESTIGATION**

(Track Two: Forensic Laboratory/Technician)

FRESHMAN YEAR

Fall		Spring	
EH 101	3	EH 102	3
HY sequence	3	HY sequence	3
Natural Science	4	Natural Science	4
CJ 101	3	EH 141	3
MS 112 or higher	3	MS 113 or approved alternate.....	3
STU 101.....	0		
	<hr/> 16		<hr/> 16

SOPHOMORE YEAR

Fall		Spring	
Literature*	3	Literature	3
CJ 201.	3	FI 204 or CJ 304.....	3
CJ 202	3	PSY 201	3
PSC 100	3	CJ 225 or 325	3
Foreign Language	3	General Elective	1
	<hr/> 15		<hr/> 13

JUNIOR YEAR

Fall		Spring	
FI 310 or CJ 430.....	3	FI 370	3
FI 330	3	FI 480 or CJ 467	3
FI 360	3	Minor/2 nd Major/General Electives	6
Minor/2 nd Major/General Electives.....	6		
CS 201	3		
	<hr/> 15		<hr/> 15

SENIOR YEAR

Fall	Spring
FI Elective3	FI Elective.....3
FI Elective3	FI Senior Capstone Course**3
Minor/2 nd Major***/General Elective9	Minor/2 nd Major***/General Elective9
	FI Major Field Test****0
15	15

TOTAL HOURS: 120

* Select from these English Literature Courses: EH 201, 202, 203, 204, 219, 220, 231, or 232

** Select one from these Senior Capstone Courses: FI 472, 494, 495, or 496

***Choosing to declare a 2nd major will require additional classes and hours above the one major and one minor option listed above.

****The Forensic Investigation Major Field Test is to be taken during the Senior Capstone Course.

CRIMINAL JUSTICE (CJ) and FORENSIC INVESTIGATION (FI) COURSE DESCRIPTIONS

Core Courses:

- CJ 101. Introduction to Criminal Justice (3).** Survey of the agencies and processes involved in the criminal justice system: the police, the prosecutor, the public defender, the courts, and corrections.
- CJ 201. Criminal Law (3).** *Prerequisite: CJ 101.* Analysis of the origin and sources of criminal law, as well as definition of parties to crimes and affirmative defenses. Discussion of specific crimes of common law and in-state and national statutes.
- CJ/FI 225. Criminal Courts (3).** *Prerequisite: CJ 101.* An analysis of the roles of the criminal courts in their interactions with the other major participants in the criminal justice system; court structure and functions; selected critical cases and key issues, such as sentencing and plea bargaining. (Formerly CJ 325.)
- CJ 300. Theories of Crime Causation (3).** An examination of biological, psychological, sociological, political and economic theories of crime causation.
- CJ/FI 302. Research Methods (3).** *Prerequisite: CJ 101.* An introduction to the theory, design, collection, and analysis of data in criminal justice research.

Courses That May Count as Requirements or Electives Toward Any One Concentration or Minor:

- CJ 200. Introduction to Corrections (3).** *Prerequisite: CJ 101.* Philosophical foundations of punishments, historical developments in American penology. Corrections in contemporary America.
- CJ 202. Introduction to Law Enforcement (3).** *Prerequisite: CJ 101.* The development of contemporary American police. Law enforcement role, philosophy, values, culture, discretion, organizational control, accountability, corruption, misconduct, police-community relations, and future trends.
- FI 204. Introduction to Forensic Investigations (3).** *Prerequisite: CJ 101.* Introduction to the development of Forensic Investigations and its contribution to the Criminal Justice System and the applications of the scientific discipline to the examination and analysis of physical evidence. (Formerly CJ 304.)
- CJ 205. Legal Research and Records (3)** *Prerequisite: CJ 101.* Study of essential legal research skills and knowledge about acquiring legal information from the statutes, case-law books, legal records, on-line data retrieval services and other legal resources, and essential content of key reports and documents currently used in the courts.
- CJ 310. Criminal Behavior and Rehabilitation Strategies (3).** *Prerequisite: CJ 200.* A study of criminal behavior from a psychological perspective with correctional rehabilitation programs and strategies serving as the focus. The effectiveness of various correctional institutions and their programs and strategies will also be examined.
- FI 310. Criminalistics (3).** *Prerequisite: FI 204 or CJ 304.* Methods of scientific analysis, comparison and identification of physical evidence; blood and body fluids, casts and molds, detective dyes, fingerprints, and trace evidence. (Formerly CJ 430.)
- CJ 311. Correctional Techniques (3).** *Prerequisite: CJ 200.* An introduction to correctional strategies and the theories on which they are based. Among the topics discussed are counseling, psychotherapy and psychoanalysis, humanistic psychology, learning theory, and behavior modification. This course will also provide an in-depth examination of both assessment and counseling strategy effectiveness with offender populations.

- CJ 315. Community Based Corrections (3).** *Prerequisite: CJ 200.* A survey of non-institutional correctional programs focusing on alternatives to incarceration in community settings. Programs reviewed include prerelease, parole, halfway houses, restitution centers, probations, and community correctional centers.
- CJ/FI 320. Criminal Investigations (3).** *Prerequisite: CJ 202, FI 204 or CJ 304.* Practical application of investigative techniques for specific crimes, such as sex offenses, murder, robbery, arson, assaults, and fraud cases. (Formerly CJ 460.)
- CJ 322. Juvenile Agencies (3).** *Prerequisite: CJ 200 or CJ 205.* Examination of the historical aspects of the juvenile justice system with emphasis on juvenile rights in the present juvenile court system and pretrial techniques.
- FI 330. Forensic Documentation (3).** *Prerequisite: FI 310 or CJ 430.* The principles and techniques of digital photography as applied to crime scenes, forensic evidence, identification, and court presentation. Emphasis is on single lens reflex digital camera operation with various types of lighting. Legal aspects of forensic photography and courtroom presentations.
- FI 340. Homicide Investigation (3).** *Prerequisite: FI 204 or CJ 304.* Special problems involved in homicide investigation, including the forensic autopsy. (Formerly CJ 456.)
- FI 350. Crime Scene Processing (3).** *Prerequisite: FI 204 or CJ 304.* In-depth and practical look at various types of physical evidence and methods by which evidence is collected and transported to forensic crime laboratories. (Formerly CJ 463.)
- CJ/FI 352. Evidence (3).** *Prerequisite: CJ/FI 225 or CJ 325.* Analysis of the rules of evidence, their origins, and types. Constitutional limitations upon their use, methods of safeguarding their value. The trial and techniques for testifying.
- CJ 353. Correctional Law (3).** *Prerequisite: CJ 200 or CJ 205.* Legal problems of the convicted from conviction to release; pre-sentence investigation, sentencing, civil rights loss and restoration, and other legal problems confronting the convicted.
- FI 360. Forensic Pathology (3).** *Prerequisite: FI 310 or CJ 430.* This course will address medicolegal terminology, anatomy, and physiology of the human body with emphasis on the understanding of the underlying pathology of sudden, unexpected deaths encountered in forensics, and understanding of medicolegal systems. Determination of manner and causes of death will be heavily emphasized. Methods of personal identification and different types of injuries with their characteristic features and mechanisms of death.
- CJ 361. Constitutional Law (3).** *Prerequisite: CJ 101.* Analysis of the Constitution of the United States as it affects the law enforcement and corrections field, to wit: the 1st, 4th, 5th, 6th, and 8th Amendments to the Constitution.
- CJ 362. Constitutional Law II (3).** *Prerequisite: CJ 361.* A study of constitutional issues in the administration of justice, fair trial guarantees, humane punishment, and the civil and criminal liability of criminal justice professionals.
- CJ 363. Foundations of Law Enforcement (3).** *Prerequisite: CJ 202.* An examination of the foundations of American law enforcement from its cultural heritage in England to the present.
- FI 370. Forensic Osteology (3).** *Prerequisite: FI 310 or CJ 430.* This course presents the protocol for forensic osteology with regard to the examination of skeletal elements. Identification and physical morphology-related medicolegal problems will be emphasized. Assessment of human or non-human; time since death and cause of death. Proper recovery of skeletal remains as well as other evidentiary items. (Formerly CJ 368.)
- CJ 370. Police Administration (3).** *Prerequisite: CJ 202.* Organizational structure and coordination of all branches of law enforcement agencies; police, staff, and auxiliary function; their interrelationships and interdependence.
- CJ/FI 377. Independent Study in Criminal Justice (3).** *Prerequisite: Junior standing with 18 hours in CJ or FI.* An opportunity for the advanced student to explore an area of special interest. Student must have a supervising criminal justice faculty member agree to a written proposal or outline for an appropriate topic for study and then must secure the approval of the department head. (Formerly CJ 482.)
- CJ/FI 378, 379. Advanced Seminar in Criminal Justice (3) (3).** *Prerequisite: Junior standing with 18 hours in CJ or FI.* An in-depth study of current issues in criminal justice. The content will vary each semester. Students seeking admission must have advanced standing and secure approval of department head. May be duplicated for credit for a total of six (6) semester hours. (Formerly CJ 485, 486.)
- CJ 395. Crime Prevention (3).** *Prerequisite: CJ 101.* Analysis of the roles of the criminal justice system and the private sector in preventing crime. Community involvement as a source of preventing crime. Crime prevention strategies and techniques for evaluating prevention programs.
- CJ 399. Study Tour (3).** Topics, excursions, and requirements determined by the department. May be duplicated for credit up to six hours. Infrequently scheduled and subject to minimum and maximum numbers. Advance deposit required.
- CJ 400. Protective Systems (3).** *Prerequisite: CJ 101.* The criminal threat, protective system concept; systems configuration and cost benefit analysis of currently available protective systems.
- CJ 402. Police and Community Relations (3).** *Prerequisite: CJ 202.* Study of the numerous and complex factors involved in the area of human relations as it affects policing and police management.

- CJ 405. Judicial Administration (3).** *Prerequisite:* CJ 325. Advanced study of the workings of the state and federal court systems, with a focus on the administrative support agencies of the courts, including the responsibilities of clerks of courts, court administrators, with an examination of careers in the court systems of the state and federal government, and the issues facing the judiciary.
- CJ 410. Correctional Administration (3).** *Prerequisite:* CJ 200. Advanced study of the workings of the state and federal prison systems and local jails. The application of the theories of organization, management and public administration to the operations of correctional units, policy matters, and other issues facing corrections.
- FI 410. Imprint/Impression Evidence (3).** *Prerequisite:* FI 330, FI 340 or CJ 456, or FI 350 or CJ 463. This course presents types of evidence which are the result of objects and materials that have retained the characteristics of other objects or materials through direct physical contact. Topics will include footwear, tire tracks, bite marks, firearms, tools, pattern injuries and documents. The themes in this course will differentiate between two dimensional and three-dimensional evidence.
- CJ/FI 411. Victimless Crimes (3).** *Prerequisite:* Junior standing with 18 hours in CJ or FI. Study of controversial area of law that deals with consensual crimes. Topics to be included for discussion may be drugs; obscenity and pornography; prostitution; gambling. The history of legislative enactments and judicial decisions will be dealt with, as well as the social and political implications of enforcement to both police agencies and their clients.
- CJ/FI 417. Criminal and Deviant Behavior (3).** *Prerequisite:* CJ 300, FI 204 or CJ 304 or SY 320. An analysis of criminal and deviant behavior systems with an emphasis on classical and contemporary theories of crime causation.
- CJ 420. Probation and Parole (3).** *Prerequisite:* CJ 200 or CJ 202. Development, organization, operation of probation and parole with emphasis on alternatives to incarceration.
- FI 430. Arson and Fire Scene Investigation (3).** *Prerequisite:* FI 350 or CJ 463. The techniques of crime scene documentation and investigation as they relate to fire and explosion scenes. Evidence recognition and collection, along with a basic understanding of accelerant and explosive residues. Basic principles of reconstruction of the scene, including fire behavior, fire pattern analysis, ignition mechanisms, interpretation of human behavior, and fire scene analysis.
- FI 450. Advanced Crime Scene Techniques (3).** *Prerequisite:* FI 350 or CJ 463. This course will build upon those techniques and procedures learned in Crime Scene Processing FI 350/CJ 463 as they relate to crime scene reconstruction. An in-depth study of specialized techniques such as bloodstain pattern analysis, bullet trajectory analysis, and fire scene reconstruction. Students will then apply this knowledge during practical exercises that will emphasize current techniques and procedures.
- CJ/FI 465. Interviews and Interrogations (3).** *Prerequisite:* CJ 200 or CJ 202 or CJ 304 or FI 204. Discussions and practical exercises covering the various techniques used by criminal justice practitioners to elicit information from witnesses and criminal suspects. (Formerly CJ 464.)
- CJ/FI 471. Internship in Criminal Justice (3).** *Prerequisites:* Junior standing, consent of internship director, and only for students majoring in Criminal Justice or Forensic Investigation. Students' must also possess an overall 2.5 GPA to participate with a municipal or county agency and a 3.0 overall GPA to participate with a state or federal agency. Supervised work experience in an approved criminal justice agency. The student is required to attend a pre-announced orientation meeting prior to beginning internship. (Not open to in-service personnel or those with prior CJ work experience unless approved by internship director.)
- CJ/FI 472. Senior Internship in Criminal Justice (3).** *Prerequisites:* Senior standing, consent of internship director, and only for students majoring in Criminal Justice or Forensic Investigation. Students' must also possess an overall 2.5 GPA to participate with a municipal or county agency and a 3.0 overall GPA to participate with a state or federal agency. Supervised work experience in an approved criminal justice agency. The student is required to attend a pre-announced orientation meeting prior to beginning internship and additional scheduled meetings with the internship director. (Not open to in-service personnel or those with prior CJ work experience unless approved by internship director.) This is a Senior Capstone course, and satisfactory work requires completing the EPP and other senior exit requirements.
- FI 475. Drugs of Abuse (3).** *Prerequisites:* BY 102/104 or CY 106/108 and FI 310 or CJ 430 or NU 306. Drugs of abuse, their field identification and drug abuse education. (Formerly CJ 466.)
- FI 480. Trace Evidence (3).** *Prerequisites:* BY 102/104 or CY 106/108 and FI 310 or CJ 430. Review of techniques used in the analysis of hairs, fibers, and minute items of evidence related to criminal matters. (Formerly CJ 467.)
- CJ 488. Seminar Series (1 hour each).** *Prerequisite:* Junior standing with 18 hours in CJ. Seminars and tutorials dealing with current topics and issues in the field. No more than six hours credit may be earned.
- CJ/FI 497. Senior Seminar I (3).** *Prerequisites:* Senior standing in the Criminal Justice or Forensic Investigation major and completion of all other criminal justice or forensic investigation core requirements. Capstone course which utilizes the student's knowledge and academic skills, including pursuing archival research, journal keeping, note taking and report writing to address a topic or issue of contemporary interest in criminal justice or one of its sub-fields. While the topic or issue may change with each offering, the skills exercised will be those needed to prepare the senior for careers in criminal justice professions. (Formerly CJ 494.)
- CJ/FI 498. Senior Seminar II (3).** *Prerequisites:* Senior standing in the Criminal Justice or Forensic Investigation major and completion of all other criminal justice or forensic investigation core requirements. Capstone course which utilizes the

student's knowledge and academic skills, including pursuing archival research, journal keeping, note taking and report writing to address a topic or issue of contemporary interest in criminal justice or one of its sub-fields. While the topic or issue may change with each offering, the skills exercised will be those needed to prepare the senior for careers in criminal justice professions. (Formerly CJ 495.)

CJ/FI 499. Senior Seminar III (3). *Prerequisites: Senior standing in the Criminal Justice or Forensic Investigation major and completion of all other criminal justice or forensic investigation core requirements.* Capstone course which utilizes the student's knowledge and academic skills, including pursuing archival research, journal keeping, note taking and report writing to address a topic or issue of contemporary interest in criminal justice or one of its sub-fields. While the topic or issue may change with each offering, the skills exercised will be those needed to prepare the senior for careers in criminal justice professions. (Formerly CJ 496.)

DEPARTMENT OF EMERGENCY MANAGEMENT

JSU McCLELLAN BUILDING 3181

Department Head: Jeffrey R. Ryan

Professor: Kushma, Lowe, Ryan

Associate Professor: Islam

Assistant Professor: Huang, Jerolleman, Van Slyke, Wang

The Department of Emergency Management offers a 120-hour Bachelor of Science degree in Emergency Management. The degree is designed to prepare students for careers related to emergency and disaster management in local, state, or federal government, business, and volunteer organizations. The major area of the program requires a minimum of thirty (30) hours of emergency management courses, including EM 301, 321, 331, 411, 471, 481, and twelve hours of approved EM 300+ electives.

MINOR IN EMERGENCY MANAGEMENT (EM)

The Department of Emergency Management offers a minor in Emergency Management for students outside of the Emergency Management major. The minor consists of eighteen (18) hours of emergency management courses which must include EM 301, 321, 411 and nine hours of approved EM 300+ electives.

MINOR IN HOMELAND SECURITY (HS)

The Department of Emergency Management offers a minor in Homeland Security. The minor consists of eighteen (18) hours of courses which must include EM 305 and 15 hours of electives to be chosen from the following list of emergency management and public safety telecommunications courses: EM 309, 341, 351, 365, 381, 420, 450, 461, 475, 483 and/or PST 314. EM 301 is also a Homeland Security minor elective option for non-Emergency Management majors. A major in Emergency Management with a minor in Homeland Security will consist of a minimum of forty-eight (48) hours of emergency management/public safety telecommunications courses for the major and minor areas alone.

PUBLIC SAFETY TELECOMMUNICATIONS (PST)

The Department of Emergency Management offers a minor in Public Safety Telecommunications. The minor consists of twenty-one (21) hours of public safety telecommunications courses, including PST 110, 311, 312, 313, 314, 328, and three hours of approved PST electives.

PLAN OF STUDY
BACHELOR OF SCIENCE
MAJOR: EMERGENCY MANAGEMENT

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations.

FRESHMAN YEAR

Fall	Spring
EH 1013	EH 1023
PSY 2013	Social/Behavioral Science3
Natural Science sequence4	Natural Science sequence4
Fine Arts3	MS 110 or 1123
Minor3	Minor3
STU 101.....0	
16	16

SOPHOMORE YEAR

Fall	Spring
Literature3	Literature3
HY sequence3	HY sequence3
Elective3	EM 300+ Elective3
EM 3013	EM 3213
Minor3	Minor3
15	15

JUNIOR YEAR

Fall	Spring
EM 4113	EH 141 or Fine Arts Elective3
EM 3313	EM 300+ Elective3
Minor3	Area V Elective3
Area V Elective3	Minor3
Elective3	Minor/ Elective.....3
15	15

SENIOR YEAR

Fall	Spring
EM 300+ Electives6	EM 4813
Area V Electives7	EM 4713
Elective3	Area V Electives6
16	12

TOTAL HOURS: 120

**A PROGRAM OF STUDY FOR A BACHELOR OF SCIENCE IN EMERGENCY
MANAGEMENT WITH A MINOR IN PUBLIC SAFETY TELECOMMUNICATIONS**

Major

EM 301	Introduction to Emergency Management	3 hours
EM 321	Disaster Mitigation and Preparedness	3 hours
EM 331	Populations at Risk	3 hours
EM 411	Disaster Response and Recovery	3 hours
EM 471	Emergency Management Capstone course	3 hours
EM 481	Research in Disasters and Emergency Management	3 hours
	Approved EM 300 + Electives	<u>12 hours</u>
	Total EM Courses	30 hours

PST Minor		
PST 110	Introduction to Public Safety Communications	3 hours
PST 311	Interpersonal Communications	3 hours
PST 312	Legal Issues in Public Safety Communications	3 hours
PST 313	Introduction to Crisis Intervention	3 hours
PST 314	Introduction to Weapons of Mass Destruction	3 hours
PST 328	Technical Writing for Public Safety Communications	3 hours
	Approved PST Electives	<u>3 hours</u>
	Total PST Courses	21 hours
Area I		
EH 101	English Composition	3 hours
EH 102	English Composition	<u>3 hours</u>
	Total Area I	6 hours
Area II		
	Fine Arts	3 hours
	Literature	6 hours
	Speech/Humanities and Fine Arts Elective*	<u>3 hours</u>
	Total Area II	12 hours
Area III		
	MS 110 Finite Math	
	Or MS 112 Precalculus Algebra	3 hours
	Approved Laboratory Science sequence	<u>8 hours</u>
	Total Area III	11 hours
Area IV		
	History sequence	6 hours
PSY 201	Introduction to Psychology	3 hours
	Approved Social/Behavioral Science Elective*	<u>3 hours</u>
	Total Area IV	12 hours
Area V		
	Courses to be chosen from an approved list.*	19 hours
General Electives		<u>9 hours</u>
	Total	120 hours

*See advisor for elective choices in Area II, IV, and V.

EMERGENCY MANAGEMENT (EM) COURSE DESCRIPTIONS

- 301. Introduction to Emergency Management (3).** Overview of emergency management, including a history of the field, key legislation impacting practice and current issues in the field.
- 305. Introduction to Homeland Security (3).** Overview of the administrative, legislative, and operational elements of homeland security programs and processes, including a review of homeland security history and policies.
- 309. Emergency Response to WMD Event (3).** This course will focus on the potential use of Weapons of Mass Destruction (WMD) by terrorists and the proper preparedness and response by communities and jurisdictions. This course is appropriate for members of the emergency response community, emergency management, and members of the general population desiring knowledge about the real and ever-present danger of terrorist activity within the United States.
- 321. Disaster Mitigation and Preparedness (3).** *Prerequisite: EM 301.* Methods and techniques used to lessen the potential impact of disasters and improve readiness to respond. Concepts related to preparedness actions, such as planning, training, public education and disaster exercises, are reviewed, as well as mitigation principles related to sustainability and the built environment.
- 325. Management of Information Security (3).** Study of information security and digital forensics using practical case studies. Emphasis is on developing security policies, security management and practices, utilization of digital forensic tools and techniques, risk management, security project management, and protection mechanisms. Major components of the course are hands-on projects on digital forensic investigation and security management case studies. (EM 325 is cross-listed with CS 307, but only one course can be counted for credit.)
- 331. Populations at Risk (3).** *Prerequisite: EM 301.* Examines social vulnerability to disaster and the needs of at-risk populations. Methods to reduce vulnerabilities and build local capacity are considered.

341. **Legal Fundamentals in Emergency Management and Homeland Security (3).** Introduction to the legislative foundation of domestic homeland security and emergency management processes. Significant legislation will be reviewed with special consideration for the concepts that define legal duties and consequences for first responders and emergency managers.
346. **Emergency Medical Operations for CBRNE Incidents (3).** An in-depth study for emergency medical responders that focuses on chemical, biological, radiological, nuclear, and explosive (CBRNE) incident management; treatment of victims of exposure to chemical, biological, and radiological hazards, as well as explosions. Hands-on training modules provide the emergency medical responder with the knowledge and skills to perform triage operations while in personal protective equipment (PPE) and to perform decontamination of victims. Students are required to complete the FEMA resident course PER-267 at the Center for Domestic Preparedness.
347. **Framework for Healthcare Emergency Management (3).** An in-depth study that provides healthcare personnel with a foundation of knowledge in healthcare emergency management. The course focuses on standards, regulations, and organizations affecting healthcare entities and the integration of government agencies and stakeholders; disaster preparedness planning; staffing and personnel; emergency management issues for healthcare; personal protective equipment (PPE) and decontamination; evacuation, isolation, and quarantine; ethical issues; financial issues; public affairs; and training, drills, and exercises. Students are required to complete the FEMA resident course AWR-900 at the Center for Domestic Preparedness.
348. **Hospital Emergency Response Training for Mass Casualty Incidents (3).** An in-depth study designed to provide medical operation guidance to healthcare professionals who may become involved in a mass casualty incident (MCI) as a result of a natural, accidental, or intentional event. The course focuses on safe and effective emergency medical response to MCI. Students are required to complete the FEMA resident course PER-902 at the Center for Domestic Preparedness.
349. **Radiological Emergency Response Operations (3).** An in-depth study of safe and effective response to radiological incidents. Topics include radiological concepts, radiological response team operations, commercial nuclear power facilities, plume modeling, radiological instrumentation, personal protective equipment (PPE) and decontamination. Students are required to complete the FEMA resident course PER-904 at the Center for Domestic Preparedness.
351. **Understanding Terrorism: Characteristics and Perspectives (3).** The history, methods, and philosophy of terrorism are reviewed. Emphasis is placed on extremism as a foundation for terrorist behavior, types of terrorism, and how governments and law enforcement agencies respond to terrorism. Case studies of terrorist activities and implications for emergency response are highlighted.
361. **Hazardous Materials in Emergency Management (3).** *Prerequisite: EM 301.* Looks at key legislation regarding storage, handling, and transportation of hazardous materials, and reviews how the emergency management community plans, responds, and recovers when hazardous material incidents occur.
365. **Public Information in Emergency Management (3).** A review of the skills needed to effectively deal with the public and media before, during, and after an emergency event. Topics will include: role and responsibilities of the public information officer, understanding the roles and responsibilities of the media, conducting awareness campaigns, writing news releases, public speaking, granting interviews, media management, and dealing with high-profile incidents.
366. **Social Media in Emergency Management (3).** Overview of the history and evolution in social media in emergency management. Provides an understanding of social media and its uses in all aspects of emergency management. Students will conduct research of better practices and how to grow an agency's social media presence. Additional topics addressed will include: identifying challenges and how to overcome them, choosing the best social media avenues for an agency and topic, and using private sector practices to enhance public sector outreach and effectiveness.
371. **Public Administration and Policy in Emergency Management (3).** *Prerequisite: EM 301.* Focuses upon the administrative roles of local, state and federal government in times of disaster and the importance of intergovernmental relations. The policy making process and the historical evolution of disaster policy is reviewed.
381. **Social Dimensions of Disaster (3).** *Open to all majors across the disciplines.* Overview of how individuals, groups, families, organizations, communities, and countries handle disasters before, during, and after they occur.
411. **Disaster Response and Recovery (3).** *Prerequisite: EM 301.* How people, groups, organizations, communities and governments manage disasters in the immediate aftermath and recover from their effects, including social, physical, business, and infrastructure problems as well as intra- and inter-organizational issues. (EM 411 is cross-listed with CS 412, but only one course can be counted for credit.)
420. **Exercise Design and Evaluation (3).** Introduction to the fundamentals of exercise design, development and implementation. Includes a review of the different types of exercises, how they are used, and how they are conducted. Provides students with the knowledge and skills necessary to develop and conduct disaster exercises that test a community's emergency response plan and capabilities.
421. **Medical Disaster and Emergency Management (3).** *Prerequisites: EM 301 and EM 411.* Reviews structure and functions of health care delivery systems in mass casualty situations with specific attention to intra- and inter-

organizational management, ranging from emergency response triage to inter-organizational systemic management issues.

- 450. **Management Systems in Disaster (3).** Integration of emergency functions, response structures, technology use, information management, and decision-making. The National Response Plan and the National Incident Management System will be emphasized.
- 451. **Disaster Planning (3).** *Prerequisite: EM 301.* Engages students in elements of effective disaster planning and various types of emergency plans.
- 461. **Critical Infrastructures (3).** Identifies what constitutes critical infrastructure, including cyber as well as physical infrastructure. Evaluation of strategies for promoting vulnerability assessments and risk reduction, and protection of critical infrastructures are examined. (EM 461 is cross-listed with CS 461, but only one course can be counted for credit.)
- 471. **Emergency Management Capstone Course (3).** *Prerequisite: Senior standing in program and department approval. Intended to be taken in final semester.* Integrates prior coursework in an applied and experiential framework through case studies, exercises, applied research, and analytical activities.
- 475. **Current Issues in Homeland Security (3).** The examination of current issues and concerns with Homeland Security, including upcoming National Special Security Events that mandate comprehensive security planning and response capabilities. Challenges of implementing and maintaining homeland security will be covered.
- 481. **Research in Disasters and Emergency Management (3).** Overview of research principles and approaches to the study of disaster and how to understand and apply scholarly work from the field of disaster research.
- 483. **Planning and Preparedness for Homeland Security (3).** Introduction to the homeland security planning process and related preparedness activities of assessing and enhancing preparedness for terrorism for organizations and communities. Topics include technical and organizational requirements, risk and vulnerability assessments, continuity of operations, communication and information management, capacity building needs, funding strategies, and recovery systems. Particular attention is given to multi-sector coordination requirements for incident management. For first responder agencies, healthcare systems, and public and private sector response systems.
- 496. **Directed Studies in Emergency Management (3).** *Prerequisite: Permission of instructor and approval of department head.*
- 497. **Internship in Emergency Management (3).** *Prerequisite: EM 301. Permission of instructor and internship coordinator.* Provides direct experience and application of principles, concepts and theories acquired in coursework in a supervised emergency management setting.

PUBLIC SAFETY TELECOMMUNICATIONS (PST) COURSE DESCRIPTIONS

- 110. **Introduction to Public Safety Communications (3).** An introduction to telephone and radio communications skills, interpersonal communications, and basics of call handling, legal issues in public safety communications and technologies for the telecommunicator. This course will provide the information necessary to understand the job of a public safety telecommunicator and is the foundation to begin working in police, fire, EMS or combined service communications center.
- 115. **Emergency Medical Dispatching (3).** Preparation needed to receive a call requesting assistance for emergency medical services (EMS) and allocate community resources in response to such request. Upon course completion, the individual should be qualified to provide pre-arrival medical instructions to the caller and post-dispatch information to the responding agencies.
- 221. **Role in Hostage Negotiations (3).** The principles required for critical thinking to deal with a hostage situation until a highly trained negotiator assumes control.
- 311. **Interpersonal Communications (3).** Introduction to the basic concepts of interpersonal communications and oral communications necessary for the public safety telecommunicator to interact with public safety personnel and citizens of the community. Techniques to overcoming barriers, achieving effective communications, handling difficult callers, listening effectively, and resolving conflicts will be addressed.
- 312. **Legal Issues in Public Safety Communication (3).** An overview of legal issues impacting the public safety communication and telecommunication industry. The course will present a series of case studies which present a rational prospective of the liability exposure of the public safety telecommunicator. The course shall provide the legal principles and processes that, when adhered to, should guide toward minimizing liability exposure.
- 313. **Introduction to Crisis Intervention (3).** The critical principles in support of crisis intervention and techniques for handling domestic violence, potential suicide, hostage, and civil unrest situations as a public safety communicator.
- 314. **Introduction to Weapons of Mass Destruction (3).** The basic principles needed to respond to a Weapons of Mass Destruction (WMD) event. The course will present the role and responsibilities of the public safety

telecommunicator in recognizing and dispatching assistance for aid while maintaining documentation of calls for assistance resulting from a WMD incident.

- 323. **Human Resource Management in Public Safety Communications (3).** An overview of human resource management issues, including principles of human resources, federal employee regulations, and Americans with Disabilities Act.
- 325. **Management Principles in Public Safety Communications (3).** An overview of basic management principles, including organizational theory, operational models, supervision, evaluations, and steps for effective leadership.
- 328. **Technical Writing for Public Safety Communicators (3).** An introduction to the basic concepts for professional writing. Emphasis on writing skills necessary for the preparation of standard operating procedures, training documents, and related materials.

**DEPARTMENT OF MILITARY SCIENCE AND LEADERSHIP
MAIN FLOOR – ROWE HALL**

www.rotc.jsu.edu

**Professor of Military Science (PMS): Major Cory Roberts
Assistant Professor: Rabold, Robbins
Instructor: Barker, Serna**

The Department of Military Science is a cooperative venture between the United States Army and Jacksonville State University. The program provides a Reserve Officer Training Corps (ROTC) program with a mission of commissioning students as officers in the Army upon completion of a baccalaureate degree or sufficient progress on a master's degree. Satisfactory completion of the program may lead to a minor in Military Science. The program provides students an opportunity to learn and develop leadership skills necessary in the Army and in society. The emphasis of the program is on leadership development. Students apply accepted leadership theory to practical situations. A theoretical basis of knowledge is developed through attendance in military science classes and courses offered in schools throughout the university. The program is only available to full-time students.

ENROLLMENT

Several program options exist for enrollment: a four-year, three-year and a two-year program. These programs are addressed below. Under some circumstances, it is possible to complete the program in less than two years. Students can obtain information on alternative programs by contacting the ROTC department at 256-782-5601.

The **four-year and three-year programs** are divided into two phases, the Basic Course and the Advanced Course.

Basic: The Basic Course is typically taken during the freshman and sophomore years but may be compressed into one year. These courses are open to all students on an elective basis. The courses, taught to meet the requirements to enter into the Advanced Program, incur **NO** military obligation and are open to all registered full-time students. Basic Course curriculum focuses on introductory leadership theory, basic military knowledge and skills, and the Army's role in national security policy and practices.

Advanced: The Advanced Course is taken during the junior and senior year of the selected program. Students in this program must have completed the Basic Course as directed by the Professor of Military Science, have two years remaining in college (graduate or undergraduate studies) and enter into a contract with the United States Army to serve as an officer in the active or reserve forces upon graduation. The contractual obligation varies with the amount of participation and whether the student is a scholarship beneficiary.

Advanced Course students take classes in advanced leadership and participate in leadership laboratories where they apply theories of leadership in practical situations. Enrollment in the Advanced Course requires the approval of the Professor of Military Science.

The **two-year program** is designed for students who did not take Army ROTC during their first two years of college and for students entering or progressing in a two-year post-graduate course of study. Students can qualify for the Advanced Course in a number of ways. Prior enlisted personnel and members of the National Guard and Army Reserve receive Basic Course credit for successful completion of Basic Training. Successful completion of the four-week ROTC Basic Camp also qualifies students for the Advanced Course. The Professor of Military Science may also award Basic Course credit for satisfactory participation in Junior ROTC or for completion of an approved alternative course of study within the Department of Military Science.

Students must meet the following requirements in order to attend the Basic Camp: Overall GPA of 2.00 or higher on a 4.00-point scale, have junior standing and meet medical and physical fitness standards. Approval for attendance is required from the Professor of Military Science.

BASIC COURSE REQUIREMENTS

The Basic Course consists of MSC 101, 103, 102, 104, 201, 203, 202, and 204. These courses are mandatory for entry into the Advanced Course of instruction, unless the Professor of Military Science approves substitutions.

Nursing students who desire to pursue a career as commissioned officers in the Army Nurse Corps should contact the Department of Military Science for details of a basic course program specifically tailored for the nursing discipline. In addition to meeting all ROTC requirements, the prerequisites for commissioning in the Army Nurse Corps are a baccalaureate degree in nursing and a state nursing license.

ADVANCED COURSE REQUIREMENTS

Entry into the ROTC Advanced Course for commissioning is open to students who have earned a GPA of 2.00 or higher, who have attained junior status or are graduate students, who meet established Army medical and physical fitness standards, who have completed the Basic Course requirements as noted above or received placement credit for such, who demonstrate the requisite leadership potential, and who have departmental approval. Students pursuing a commission must successfully complete the following ROTC Advanced Course classes: MSC 301, 307, 302, 308, , 305, 401, 407, 402, and 408. Additionally, HY 304/MSC 304, American Military History, and approved core curriculum courses in written communications, computer literacy, math reasoning and human behavior must be successfully completed before commissioning. Contact the Department of Military Science for specific details as to approved courses. Normally during the summer before their senior year, students must attend and successfully complete the Advance Camp at Fort Knox, KY, prior to commissioning. This course is approximately four weeks in duration and students earn three credit hours under MSC 305.

ROTC nursing students have an additional opportunity to participate in a three week Nurse Summer Training Program and earn three credit hours under NU 444.

ADDITIONAL REQUIREMENTS

All contracted students are required to maintain eligibility requirements. These requirements include an appropriate grade point average, medical qualification, moral behavior, and compliance with physical fitness standards. Students must be able to pass a swimming requirement prior to participation at Advance Camp. Additionally, contracted students must participate in physical conditioning and a field training exercise each semester.

COMMISSIONING

Students may be commissioned once they meet all pre-commissioning requirements and are awarded a baccalaureate degree. Students that have graduated with a baccalaureate degree are eligible to participate and commission while pursuing a postgraduate degree. Students commissioned as Second Lieutenants in the United States Army may serve either on Active Duty, in the Army Reserve, or in the Army National Guard. Assignments are based upon the needs of the Army and the student's request. Students who desire a commission in the Army Reserve or Army National Guard may elect the Guaranteed Reserve Forces Duty option (if eligible) upon entry into the advanced course.

SCHOLARSHIPS

Competitive two, three and four-year scholarships are available to students. Four-year scholarship deadlines are normally January 10 of the student's senior year in high school. Other scholarship deadlines vary from year to year. Currently, scholarships cover the cost of full tuition or room and board, fees, partial books and provide a monthly spending allowance. Limited dorm scholarships are also available. The Army National Guard and Army Reserve also offer tuition assistance and other benefits worth up to \$24,000 per year in conjunction with ROTC. The Alabama National Guard offers an additional state tuition reimbursement up to \$15,240 a year (\$5080 a semester). Students interested in scholarships, the simultaneous membership program (SMP) with the Guard or Reserve, or other assistance should contact the Department of Military Science at 256-782-5601 for details.

MILITARY SCIENCE (MSC) COURSE DESCRIPTIONS

- 101, 102. Challenges in Leadership (1) (1).** *Prerequisite to all other military science courses unless exemption is approved by the PMS. Corequisite: MSC 103 and 104, respectively.* Courses provide an introduction to leadership, character development, military operations and skills, and the Army's continually changing role in the world. Course goals are accomplished through lecture, field trips, guest speakers and films.
- 103, 104. Challenges in Leadership Labs (2) (2).** *Corequisite: MSC 101 and 102, respectively.* Students will demonstrate knowledge of subjects taught in lecture and additional topics taught in the lab through hands-on training. Emphasis is on developing leadership skills, physical fitness, and military knowledge. Students participate in physical fitness activities a minimum of one hour each week to learn the fundamentals of exercise and gain aerobic and muscular fitness.
- 112. Basic Marksmanship (2).** Fundamentals, principles, and techniques of marksmanship, including equipment, maintenance, shooting position, safety, and range operation. Students fire marksmanship rifles.
- 113.** Survival (3).** Examines options available in outdoor environments for survival. Students appraise and prioritize their physical and emotional needs incorporating Maslow's hierarchy. Demonstration of outdoor skills, including rope bridges, orienteering, and employment of game trapping methods.

- 115.** **First Aid (3).** Instruction in lifesaving measures for clearing the airway, rescue breathing, cardiopulmonary resuscitation, controlling bleeding, preventing shock, treating fractures and emergency care for other serious injuries. Prevention of illness and injuries is emphasized.
201. **Leadership Development (1).** *Corequisite: MSC 203.* Students learn proven leadership techniques and develop their own working leadership philosophy and style. Prepares students for future leadership roles.
202. **Basic Military Skills (1).** *Corequisite: MSC 204.* Emphasis is on refining leader skills, oral communication, and military skills, including map reading, orienteering, and leading using small unit tactics. Prepares students for the advanced military science course.
- 203, 204. **Basic Military Skills Labs (2) (2).** *Corequisite: MSC 201 and 202, respectively.* Students demonstrate knowledge of subjects taught in lecture through hands-on experience. Emphasis is on developing leader and military skills, and enhancing military knowledge. Students participate in physical fitness activities a minimum of two hours each week to learn the fundamentals of exercise and gain aerobic and muscular fitness.
205. **Basic Camp (3).** *Prerequisites: Pass a standard medical physical, take the Army Physical Fitness Test, and permission of the Professor of Military Science.* Students travel to Fort Knox, Kentucky, to attend a four-week course designed for those who wish to enter MSC 301 but did not participate in 100 and 200-level military science classes. The course provides an introduction to the Army, as well as an introduction to leadership theory and techniques. Students apply leadership theory in a hands-on environment. Students participate in rappelling, water survival, basic marksmanship, and in a leader's reaction course where small teams solve challenging problems in a field environment. All travel, lodging, and meal costs are paid for by the Department of the Army. No fee.
300. **Basic Course Pre-Camp Course (1).** Prepares students for attendance at the Army ROTC Leaders Training Course. Emphasis is on leadership training, basic military skills and physical fitness.
301. **Advanced Military Science (3).** *Prerequisites: MSC 101, 102, 201, 202 or successful completion of the Leader Training Course, Army Basic Training, or a prescribed course of study approved by the Professor of Military Science. Corequisite: MSC 307.* Builds on previous leadership courses by introducing advanced theories and applying previous learning during practical classroom and field training exercises. Emphasis is on problem solving and learning how to motivate self and others, as well as small unit leadership techniques and military small unit tactics. Students learn how to evaluate/analyze military missions and plan and prepare orders for military operations. Students must participate in a two-day field training exercise during the semester.
302. **Advanced Military Science (3).** *Prerequisite: MSC 301. Corequisite: MSC 308.* Reinforces dimensions of leadership taught in MSC 301 and addresses additional dimensions. Students study group dynamics, adult learning, personality models, and ethical decision making. Students refine oral communication skills and prepare and deliver information briefings. Students must participate in a three-day field training exercise during the semester.
303. **Seminar on Leadership (3).** *Prerequisite: Approval of the Professor of Military Science.* Class emphasizes and refines all MSC 301 and 302 skills. Students enhance their understanding of leadership, ethics and morals, and team building in a seminar format.
304. **Military History (3).** *Prerequisite: Approval of the Professor of Military Science.* The evolution of warfare and the military concentration primarily on leadership and the American military experience. Required for commissioning; see HY 304 for a course description.
305. **Advance Camp (3).** *Prerequisites: MSC 301, 302, and/or the permission of the Professor of Military Science.* Students fly to Fort Knox, KY, to attend Advance Camp. During the four-week course, a student's basic military, organizational, communications, and leadership skills are evaluated as they interact with ROTC cadets from colleges and universities across the nation. Travel and living expenses are paid by the Department of the Army. No fee.
- 307, 308. **Advanced Military Science Leadership Lab (2) (2).** *Corequisite: MSC 301 and 302, respectively.* Students learn small unit military tactics/operations. Students apply theory taught in MSC 301 and 302 while leading their peers in small unit operations. Students learn planning skills and are evaluated in their ability to plan activities and organize their peers to execute the events. Oral and written communication skills are stressed and evaluated. Students participate in physical fitness activities three hours each week to gain aerobic and muscular fitness. Lab is focused on preparation for the Leader Development and Assessment Course (LDAC).
401. **Advanced Theories in Leadership (3).** *Prerequisite: Approval of the Professor of Military Science. Corequisite: MSC 407.* An examination of advanced leadership theory. In-depth analysis of professionalism, ethical decision making, learning in organizations, the role of communications, and hierarchical staff functions.
402. **Advanced Theories in Leadership (3).** *Prerequisite: Approval of the Professor of Military Science. Corequisite: MSC 408.* Course provides in-depth analysis of the role of law in the conduct of Army operations, personnel management, logistics management, and applied doctrine.
403. **Seminar on Advance Leadership (3).** *Prerequisite: Approval of the Professor of Military Science.* A directed study of various themes in leadership theory. Application of leadership theory, problem solving, decision making, risk analysis and communicative skills to selected topics. Students are required to conduct an oral presentation of their selected theme. Course includes intern work, where the student acts as an assistant to a member of the staff.

407, 408. Application of Advanced Theories in Leadership (2) (2). *Prerequisite: Approval of the Professor of Military Science. Corequisite: MSC 401 and 402, respectively.* Application of Leadership Theory in the organizational setting. Consists of role playing, problem solving, decision making, and application using practical situations.

** Indicates a course which fully or partially fulfills wellness requirements.

UNIFORMS AND EQUIPMENT

For all military specific courses, most texts, and certain equipment are furnished by the United States Government at no expense to the student. Uniforms and equipment issued to participating/non-contracted and contracted cadets remain the property of the United States Government and will be turned in upon withdrawal from any MSC course or upon completion of the course. Certain equipment will be turned in upon completion of the specific training event. Students will be required to reimburse the government for losses or damage. For certain basic courses which are not military specific, purchase of texts may be required.

MINOR: MILITARY SCIENCE

A minor in Military Science is offered by completing 26 hours of course work as follows:

MSC 301, 307, 302, 308, 401, 407, 402, 408 or combined with 303 or 403	20 hours
HY 304 or MSC 304.....	3 hours
MSC 305	<u>3 hours</u>
Total Hours Required	26 hours

DEPARTMENT OF POLITICAL SCIENCE AND PUBLIC ADMINISTRATION

220 BREWER HALL

Department Head: TBA

Professor: Barnett, Lester, Owens

Associate Professor: Hathaway, Krejci, Saeki

The Department of Political Science and Public Administration offers a variety of courses for students in the liberal arts, pre-law, and professional education curricula. A wide range of courses is available for those preparing for careers in law, government, politics, international affairs, business, communications, and many other fields.

The Political Science major requires thirty hours of political science, including PSC 100, 102, and at least six hours from each of the three fields (Theory and Methodology, American Government, and Global Studies) listed below, plus six hours of political science electives. In addition to the thirty hours of political science, CJ 101 is required. The Political Science minor requires twenty-one semester hours, including PSC 100, 102, and at least three hours from each of the three fields listed below, plus six hours of political science electives.

Fields of Political Science

Theory and Methodology: PSC 301, 451, 452, 454, and 455. (It is strongly recommended that majors considering graduate study take PSC 301.)

American Government: PSC 101, 203, 230, 342, 352, 402, 410, 412, 443, 444, 445, 447, 450, 482, 493, 498, and 499.

Global Studies: PSC 375, 377, 423, 430, 431, 432, and 433.

Minor in International Studies

Students whose interest and/or career plans have an international orientation may wish to pursue a minor in International Studies. While the International Studies minor is administered by the Political Science department, any major offered by the university (including Political Science) is acceptable. Twenty-four semester hours, distributed as follows, are required for the International Studies minor.

Political Science: (twelve hours*)

PSC 100* (Political Science majors must take an additional course from the Global Studies field.)

PSC 423

PSC 432

Three hours selected from PSC 375, 377, 430, and 433.

Geography: (six hours*)

GY 320, 341, or 466

Three hours selected from GY 351, AN 345, and 347**

Electives: (six hours*)

Two courses selected from any of the following:

Foreign Language—by advisement**

History—HY 302, 332, 333, 404, 409, 465, 468, 469, 470, 471, 473, 480, 481, 483, and 485**

In addition to the above, students minoring in International Studies must take HY 101 and 102 and must take GY 120 and 220. The history courses and geography courses may also count toward the general studies curriculum history and social/behavioral science requirements.

* Courses counted toward the major may not also be counted toward the International Studies minor.

** Where possible, all area-specific courses should focus on the same area: Western Europe, the former Soviet Union and Eastern Europe, Far East, Latin America, the Middle East, and so on.

Minor in Public Administration

The eighteen semester hour Public Administration minor is designed for students who wish to pursue a career with a federal, state, or local government agency or nonprofit organization by developing their knowledge of public administration theories and best practices. In addition, the minor provides a solid foundation for students who wish to pursue a Master of Public Administration degree. Even though the minor of Public Administration is offered by the Department of Political Science and Public Administration, any major offered by the university is acceptable. The required courses are: PSC 100, PSC 402, PSC 412, PSC 450, PSC 480, and PSC 482.

**PLAN OF STUDY
 BACHELOR OF ARTS
 MAJOR: POLITICAL SCIENCE**

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations.

FRESHMAN YEAR

Fall	Spring
EH 1013	EH 1023
HY 101 or 2013	EH 1413
PSC 1003	HY 102 or 202 (to complete sequence).....3
Fine Arts3	PSC 1023
MS 110 or higher3	MS higher than 110 (MS 204 recommended).....3
STU 101.....0	
_____	_____
15	15

SOPHOMORE YEAR

Fall	Spring
Literature3	Literature3
Natural Science sequence4	Natural Science sequence4
Social/Behavioral Science3	Social/Behavioral Science3
CS 2013	Minor/General Electives4
CJ 1013	
_____	_____
16	14

JUNIOR YEAR

Fall	Spring
PSC American Government Elective3	PSC American Government Elective3
PSC Global Studies Elective3	PSC Global Studies Elective3
Minor/General Electives9	Minor/General Electives9
_____	_____
15	15

SENIOR YEAR

Fall		Spring	
PSC Theory and Method Elective	3	PSC Theory and Method Elective	3
PSC 300+	3	PSC 300+	3
Minor/ Electives	9	Minor/General Electives	9
	15		15

TOTAL HOURS: 120

POLITICAL SCIENCE (PSC) COURSE DESCRIPTIONS

100. **Introduction to American Government (3).** Structure and organization of the American national government. Evolution of the United States Constitution and the federal system, civil rights, voting and elections, Congress, the President, and the federal courts.
101. **Introduction to Political Science (3).** Nature and scope of political science, basic concepts and terminology, nature of the state and government, types of political systems, comparative political institutions.
102. **Introduction to State and Local Government (3).** A study of the organization, functions, and powers of state, county, and municipal governments in the United States.
103. **Honors Introduction to American Government (3).** Structure and organization of the American national government. Evolution of the United States Constitution and the federal system, civil rights, voting and elections, Congress, the President, and the federal courts.
203. **Introduction to the Law (3).** An examination of the American legal system, court procedures, appeals procedures, and the use of legal reference materials with selected cases.
230. **Politics and Film (3).** Current impact and historical influence of film upon American politics and policy. Includes scholarship about the movie industry and civic values. Students view political films.
301. **Political Science Methods (3).** The scope and approaches to political science with considerable attention to research methods, techniques, and current research problems.
342. **Political Parties (3).** Composition, organization, and function of American political parties on the national, state, and local levels.
352. **The Legislative Process (3).** American legislative bodies with emphasis upon recruitment, composition, structure, procedures, functions, role of parties and pressure groups, and problems of legislative reform.
375. **Governments of Latin America (3).** Political organization and structure of the principal Latin American countries with emphasis on constitutional development and present day issues.
377. **Governments of the Middle East (3).** The government and politics of the Middle East with attention to present developments and the role of these countries in world affairs.
402. **Introduction to Public Policy (3).** *Prerequisite: PSC 100.* A survey of the functions and major programs of the United States federal government, including federal taxes and spending, the regulation of business, national labor policy, public health and welfare programs, conservation and the environment, and national defense and foreign policy.
410. **Religion, Politics and Policy (3).** Explores the historical and constitutional foundations of religious freedom in America. Probes First Amendment jurisprudence. Examines current debates about free exercise, public interest religion, policy making, and religion in global affairs.
412. **Intergovernmental Relations (3).** *Prerequisite: PSC 100.* Examines the development, institutions, processes, and problems of state and local government in the United States and their interaction with each other and with the federal government.
423. **American Foreign Policy (3).** Traces main streams of American foreign policy from the twentieth century to the present. Major American foreign policy decisions are used in the analytical development of American foreign policy processes. The various influences upon foreign policy decision making are identified and evaluated.
430. **Governments of Asia (3).** Examines the political systems and political cultures of Asian countries from Afghanistan to Southeast Asia, with major emphasis on India, China, and Japan.
431. **Comparative Politics (3).** An examination of the government and politics of a variety of different national states that includes the concepts, ideas, and analytical tools necessary to understand the structures and processes of different types of political systems. Covers western and non-western, developed and less developed, communist and post-communist, and newly industrializing countries. The impact of globalization is also examined.
432. **International Relations (3).** Background and basic principles of international politics with emphasis on the modern state system, nationalism, changes in international politics from World War II to the present, and domestic influences on foreign policy.

433. **Governments of Europe (3).** *Prerequisite: PSC 100.* Examines the political systems and political cultures of Europe with major emphasis on Great Britain, France, Germany, and Russia.
439. **Model Debate Team: Global Issues (1).** Prerequisites for undergraduate: Sophomore status and completion of one global course with a grade of C or better and permission of instructor. Students learn about global issues by representing other countries in model simulations such as Model United Nations and Model Arab League. Students research, write, debate, negotiate, and pass resolutions on issues of international concern. Repeatable up to 4 times. Course also counts toward Political Science major.
442. **Legal Reasoning (3).** Prerequisite: PSC 203 or Instructor's Approval. An examination of American legal decision-making processes with emphasis on legal theory and application, a review of our blended statutory-common law system and the associated legal processes, and the methodology of legal research and writing.
443. **Constitutional Law I (3).** Fundamental principles of the United States Constitution and its development. Topics include powers of President and Congress, federalism, interstate commerce, and others. Textbook and case methods.
444. **Constitutional Law II (3).** Relationship between the individual and government as revealed through constitutional law cases. Major emphasis will be on civil liberties based on the interpretation of the Bill of Rights and the Fourteenth Amendment. Textbook and case methods.
445. **Southern Politics (3).** An examination of the party system of the Southern states in terms of its origin, nature, distribution of power, and impact on national politics.
447. **Politics and Public Opinion (3).** Forces affecting politics, public opinion, and elections in the United States. Examines the election structure, as well as individual and group political participation.
450. **The American Executive (3).** The role and behavior of the American executive at the national, state, and local levels in the U.S. political system with emphasis upon the American presidency.
451. **Ancient and Medieval Political Theory (3).** Examines political thought from ancient Greece to the late Middle Ages in Europe. An emphasis is placed on the historical-cultural context in which these theories developed and their influence on modern concepts.
452. **Modern Political Theory (3).** Examines the major trends in political thought from the Early Modern Era of the 1600's to the present with emphasis upon the development of classical (conservative) liberalism, progressive or new liberalism, socialism, Marxist communism, fascism, and national socialism.
454. **American Political Thought (3).** Principal ideas of leading political thinkers in America from the colonial period to the present.
455. **Introduction to Political Psychology (3).** This course is an overview of the interdisciplinary connection between political and psychological processes. The incorporation of political science and psychology may help in the understanding of why leaders behave as they do and why citizens support or oppose political leaders. The course will include social cognition and decision making, personality and identity, and environmental factors that affect individual political ideologies. (PSC 455 is cross-listed with PSY 446, but only one course may be taken for credit.)
458. **Theory of Political Film (3).** Examines the literature-based classical conditioning of America's founding fathers with attention to symbolism, models and conceptions of merit. Contrast civic virtue in classical republicanism to individual rights in modern liberalism. Juxtaposes theories of Machiavelli and Montesquieu as enlivened in classical film.
482. **Grantwriting (3).** Practical course instructing the steps involved in the grantwriting process. This course includes strategic planning, research, finding appropriate grant sources and writing the grant.
- 484, 485. **Individual Study (3) (3).** *Prerequisites: Must be major or minor with advanced standing and have permission of instructor.* Involves extensive study/research upon specific topics under close supervision by instructor. Letter grades are assigned for these courses.
493. **The Judicial Process (3).** *Prerequisite: PSC 100.* A study of the judicial process through actual attendance at court trials. Meetings and discussions are held with judges, lawyers, prosecutors, and others.
- 498, 499. **Internship (3) (3).** *Prerequisite: 15 hours of political science.* Involves supervised assignment of student either to the U.S. Congress or Alabama State Legislature or to an area public agency, such as the East Alabama Regional Planning Commission, City of Anniston, Calhoun County District Attorney's Office, Alabama Seventh Judicial Circuit offices, or a lawyer's office. Pass/Fail grade only.

DEPARTMENT OF PSYCHOLOGY

211 AYERS HALL

Department Head: Paige McKerchar

Professor: Palya

Associate Professor: Dempsey, P. McKerchar, T. McKerchar, Robertson

Assistant Professor: Bayles, Bruzek

Instructor: Conroy, Cothran

The mission of the Department of Psychology is to develop a thoroughgoing, science-based psychology curriculum for understanding behavior; to establish student learning outcomes related to basic psychological principles, research methods, critical thinking, and professional skills; and to support student participation in research programs and community service projects. These experiences are designed to allow students the opportunity to practice discussing major psychological principles and research findings; to apply psychological principles and procedures to real-life settings; and to eventually pursue careers in an array of human-service industries or admission to various graduate programs.

Psychology Major (BS). The course requirements for a major in Psychology total **120 semester hours**, including **general studies requirements (60 semester hours):** *Area I. Written Composition (6 hours) – EH 101/103 and EH 102/104; Area II. Humanities and Fine Arts (12 hours) – EH 141, two literature courses (EH 201, 202, 203, 204, 219, 220, 231, or 232), and one fine arts course (FH 101, 102, 201, 202; SH 101, 102, 201, 202; ART 202, DR 242, or MU 233); Area III. Natural Sciences and Mathematics (11 hours) – MS 110 or higher and one science sequence (BY 101/103 and BY 102/104; CY 105/107 and CY 106/108; GL 241/243 and GL 242/244; GY 250/252 and GY 251/253; or PHS 201/203 and PHS 202/204); Area IV. History, Social, and Behavioral Sciences (12 hours) – one history sequence (HY 101 and 102 or HY 201 and 202) and two social science courses (AN 224, EC 221, EC 222, GY 120, GY 220, PSC 100, or SY 221); and Area V. Pre-professional, Major, and Elective Courses (19 hours) – CS 201 or higher; MS 204 or MS 302; PSY 201 and PSY 205; nine elective hours (minor courses may be used to meet elective requirements);* **thirty-six (36) semester hours in psychology:** *Core courses (12 hours) – PSY 220, 221, 301, and 450; and elective courses (24 hours) – select from courses listed 300 or above (excluding required courses), but only six hours from courses numbered 460-499 can count toward this requirement; and a minor in another academic discipline.* A suggested “Plan of Study” is located after the “Course Descriptions” below.

Psychology Minor. The requirements for a minor are **twenty (20) semester hours**, including PSY 220, 221, and 301 (PSY 201 is a prerequisite for these courses); and **12 hours of electives** numbered 300 or higher (excluding PSY 301). Students may only count three hours of courses numbered 460-499 toward their psychology minor.

PLAN OF STUDY

BACHELOR OF SCIENCE
MAJOR: PSYCHOLOGY

Note: This is only a suggested plan of study. Variations may occur due to individual circumstances.

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations.

FRESHMAN YEAR

Fall	Spring
EH 1013	EH 1023
EH 141.....3	History sequence3
HY 101 or 201.....3	MS 110 or higher.....3
PSY 201/202 Principles of Psychology3	PSY 220 Principles of Behavior Analysis.....3
PSY 205 Orientation to Psychology1	PSY 221 Behavior Analysis Lab1
STU 101.....0	
(MS 100, if required)	
_____	_____
13	13

SOPHOMORE YEAR

Fall	Spring
EH Literature3	EH Literature3
Natural Science sequence4	Natural Science sequence4
MS 2043	Fine Arts.....3
Social/Behavioral Science.....3	Social Behavioral Science.....3
CS 201 or higher3	Minor/ Electives3
_____	_____
16	16

JUNIOR YEAR

Fall	Spring
PSY 301 Research Methods and Stats4	PSY Electives 300+6
PSY Electives 300+6	Minor/ Electives9
Minor/ Electives6	
16	15

SENIOR YEAR

Fall	Spring
PSY 450 History and Systems of PSY.....4	PSY Elective 300+6
PSY Electives 300+6	Minor/ Electives.....9
Minor/ Electives6	
16	15

TOTAL HOURS: 120

PSYCHOLOGY (PSY) COURSE DESCRIPTIONS

201. **Principles of Psychology (3).** An introduction to basic methodology, principles, and terms of contemporary psychology. Stresses a scientific analysis of behavior. Direct experience with research psychology or its equivalent may be required.
202. **Honors Principles of Psychology (3).** An introduction to the methodology, principles and terms of contemporary psychology, with emphasis on the scientific investigation of behavior. Direct experience with research psychology or its equivalent may be required.
205. **Orientation to Psychology (1).** An introduction to what psychologists do, what jobs are available in psychology, and how students should proceed through a major in psychology. For students considering a psychology major or who have declared a psychology major. (Grade of Pass/Fail)
220. **Principles of Behavior Analysis (3).** *Prerequisite: "C" or better in PSY 201 or 202. Suggested corequisite: PSY 221.* An introduction to principles of behavior analysis stressing experimental design, observing and recording techniques, and the basic principles of operant conditioning, including schedules of reinforcement.
221. **Behavior Analysis Lab (1).** *Prerequisite: "C" or better in PSY 201 or 202. Corequisite or prerequisite: PSY 220.* Stresses the skills involved in specifying, observing, and consequencing behavior, and teaches the standard techniques of behavioral laboratories.
222. **Human Development (3).** Study of mental, physical, social, and emotional life of the individual throughout the life span. Special attention given to the first two decades of life. Note: PSY 222 counts as an Area V elective for PSY majors and minors.
301. **Research Methods and Statistics (4).** *Prerequisite: "C" or better in PSY 201 or 202. Prerequisites or corequisites: MS 204 or MS 302, PSY 220, and PSY 221.* Introduction to scientific research methodology and statistics as applied to psychological research.
323. **Adult Development and Aging (3).** *Prerequisite: "C" or better in PSY 201 or 202.* Introduction to methodological, empirical, and theoretical perspectives of psychological development during adulthood. Topics include physical and cognitive development, personality, social development, and the role of work.
327. **Child and Adolescent Development (3).** *Prerequisite: PSY 221.* The study of human development from prenatal development to adolescence. Topics include psychological theories of physical and motor development, cognitive development, social development, and emotional development, as well as the application of these theories to everyday life.
330. **Abnormal Psychology (3).** *Prerequisite: "C" or better in PSY 201 or 202.* Examines the major forms of and theoretical explanations for behavior patterns which have been culturally defined as deviant or psychologically abnormal.
331. **Abnormal Child Psychology (3).** *Prerequisite: "C" or better in PSY 201 or 202.* Integration of theory and empirical research on a wide range of child and adolescent disorders. The course provides a comprehensive coverage of the biological, psychological, and social-contextual determinants of childhood problems. Specific disorders will be presented, describing their characteristics, developmental course, and epidemiology; outlining current diagnostic and classification schemes; identifying risk and protective factors; and discussing implications for prevention and treatment. (Not open to students with credit for PSY 412.)
336. **Personality and Individual Differences (3).** *Prerequisite: PSY 301.* Overview of the major theories, approaches to measuring personality variables, research findings, and applications in the scientific study of personality. (Not open to students with credit for PSY 335.)

337. **Psychology of Gender (3).** Studies of the origin of sex differences within three theoretical models: biological, psychological, and sociological. Examination of the nature of these differences emphasizing current research in areas, such as androgyny, sex typing, sexuality, employment, tokenism, and marriage.
350. **Social Psychology (3).** *Prerequisite: PSY 301.* The study of how others influence an individual's behaviors, thoughts, and emotions. Topics include social influence, persuasion, attitude-behavior consistency, prosocial behavior, aggression, causal attribution, and affiliation.
352. **Human Sexuality (3).** Study of the psychological, physiological, social, and behavioral aspects of human sexuality. Topics include sexual orientation, sexual anatomy, contraception, sexually transmitted diseases, pregnancy/birth, and sexuality through the life cycle.
354. **Introduction to Applied Behavior Analysis (3).** *Prerequisites: PSY 220 and 221.* The application of behavioral principles and behavior assessment, including the measurement of human behavior, experimental design, and data analysis and interpretation. (Not open to students with credit for PSY 362.)
355. **Positive Psychology (3).** *Prerequisite: "C" or better in PSY 201 or 202.* Overview of diverse topics, such as happiness, relationships, spirituality, aesthetic appreciation, work satisfaction, self-control, integrity/ethics. Self-assessment and critical thinking are emphasized.
364. **Behavior-Change Procedures in Applied Behavior Analysis (3).** *Prerequisite: PSY 354.* Discussion of fundamental elements of behavior change and specific behavior change procedures, including those used to teach and maintain appropriate behaviors, eliminate inappropriate behaviors, and develop comprehensive behavioral intervention programs.
366. **Cognitive Psychology (3).** *Prerequisite: PSY 301.* This course reviews processes, such as memory, concept formation, reasoning, critical thinking, problem solving, and applications of cognitive science. (Not open to students with credit for PSY 415.)
383. **Biological Psychology (3).** *Prerequisite: PSY 301.* Study of the physiological structures and mechanisms that mediate between environmental events and behavior. (Not open to students with credit for PSY 400.)
384. **Introduction to Sensation and Perception (3).** *Prerequisite: PSY 301.* The course provides an up-to-date review of sensory and perceptual processes integrating basic physiology with psychology. (Not open to students with credit for PSY 423.)
399. **Study Tour (3).** *Prerequisite: Permission of instructor.* Topics, excursions, and requirements determined by department. May be duplicated for credit; however, only three (3) credits may be applied toward any major or minor. Infrequently scheduled and subject to minimum and maximum numbers. Advance deposit required.
401. **Professional Development (3).** *Prerequisite: "C" or better in PSY 201 or 202.* How to choose a career or graduate program in psychology or related field, evaluate and improve your credentials, and prepare to apply. Recommended for junior-level students. (Not open to students with credit for PSY 305.)
403. **Psychological Testing (3).** *Prerequisite: PSY 301.* Introduction to the basic concepts, principles, and methods of psychological assessment centered on historical foundations, test construction, and evaluation (psychometrics), and ethical issues pertaining to the use of psychological tests. The application of commonly used types of intelligence, personality, scholastic, clinical, and vocational tests are also considered.
404. **Data-Based Decision Making in Applied Behavior Analysis (3).** *Prerequisite: PSY 354.* Examination of single-subject experimental design and professional skills pertinent to research and practice in applied behavior analysis.
411. **Topics in Social Psychology (3).** *Prerequisite: PSY 301.* Intensively explores one or two topics within social psychology. Sample topics include emotion, empathy and altruism, happiness, judgment and decision making, social psychology in film, social influence, and prejudice and stereotyping.
425. **Health Psychology (3).** *Prerequisite: PSY 301.* The use of psychological techniques within medical settings for problems such as hypertension, pain, asthma, eating disorders, and smoking.
433. **Cultural Psychology (3).** *Prerequisite: PSY 301.* Beginning with an examination of theoretical definitions of culture, the course covers a broad range of theories and research findings regarding cultural influences on human behavior and cognitive processes.
436. **Drugs, Society, and Human Behavior (3).** *Prerequisite: "C" or better in PSY 201 or 202.* Provides an overview of current drug-related issues, including societal trends, basic pharmacology of drug action, legislation, treatment, and prevention.
444. **Conditioning and Learning (3).** *Prerequisite: "C" or better in PSY 220 and 221.* A review of research, investigating the basic parameters of conditioning and its theoretical implications. Topics covered will include operant and respondent conditioning.
446. **Introduction to Political Psychology (3).** *Prerequisite: "C" or better in PSY 201 or 202.* This course is an overview of the interdisciplinary connection between political and psychological processes. The incorporation of political science and psychology may help in the understanding of why leaders behave as they do and why citizens support or oppose political leaders. The course will include social cognition and decision making, personality and identity, and environmental factors that affect individual political ideologies. (PSY 446 is cross-listed with PSC 455, but only one course may be taken for credit.)

- 447, 448. **Psychology Seminar (3) (3)**. *Prerequisite: Permission of instructor.* Examines relevant research and conceptual issues related to varying topics in psychology, such as self-control, family violence, and evolutionary psychology. When offered, a more detailed description will be available on the department website.
450. **History and Systems of Psychology (4)**. *Prerequisites: "C" or better in PSY 301 and senior standing.* Examines the historical evolution of modern psychology and the conceptual systems that have been developed. This course serves as the psychology capstone course, and the Major Field Test in Psychology is required.
- 460, 461. **Instructional Practicum (3) (3)**. *Prerequisite: Permission of instructor.* Practice of behavioral techniques in an instructional setting. Only students with exceptional performance in psychology classes will be considered for this practicum.
- 480, 481. **Community Practicum (3) (3)**. *Prerequisite: Permission of instructor.* Practice of psychological techniques in community organizations, such as mental health clinics, juvenile detention centers, etc. (Grade of Pass/Fail)
- 485, 486. **Applied Behavior Analysis Practicum (3) (3)**. *Prerequisites: PSY 220, PSY 221, and permission of instructor.* Practice of behavior analysis principles in applied settings, such as developmental centers and organizations.
- 490, 491. **Individual Research (3) (3)**. *Prerequisites: PSY 301 and permission of instructor.* Students will conduct supervised research projects chosen in coordination with their supervisor.
- 498, 499. **Honors Thesis (3) (3)**. *Prerequisites: PSY 301, permission of thesis supervisor, and senior standing.* Completion of an original research project developed in conjunction with a psychology faculty member.

DEPARTMENT OF SOCIOLOGY AND SOCIAL WORK

The BSW Program is accredited by the Council on Social Work Education.

307 BREWER HALL

Department Head, BSW Program Director: Maureen Newton

Professor: Deshotels, Newton, Stewart

Associate Professor: Rider

Assistant Professor: Donley, Ross, Turgeon, Wickersham

Instructor: Adams, Barclift, Creech, Phillips, Snider, Whorton

The goals of the social work program are to prepare social work graduates for the successful application of the knowledge, values, and skills for generalist social work practice in a variety of settings. This includes, but is not limited to, excellence in interpersonal, problem solving, and critical thinking skills. The goals of the Sociology program are to acquaint the student with the nature of social behavior, social relations, culture, the structure of society, and the tensions and conflicts produced by changes, expanding technologies, and knowledge.

BACHELOR OF SOCIAL WORK (BSW). Students completing the BSW degree will be prepared for entry-level generalist social work practice. The BSW degree requires 120 hours including meeting all university and program general education requirements. The GENERAL STUDIES REQUIREMENTS FOR THE BSW DEGREE total 60 hours: **Area I. Written Composition**—EH 101 and EH 102 = 6 hours. **Area II. Humanities and Fine Arts**—two literature courses (EH 201, 202, 203, 204, 219, 220, 231 or 232); EH 141; and one course from the arts (ART 202, MU 233, FL 101, or DR 242) = 12 hours. **Area III. Natural Sciences and Mathematics**—BY 101, 102, 103, and 104, and MS 110, 112, or higher = 11 hours. **Area IV. History, Social, and Behavioral Sciences**—HY 101 and 102 or HY 201 and 202; PSY 201; and SY 221 = 12 hours. **Area V. Pre-professional, Major, and Elective Courses**—EC 221 or 222; PSC 100; MS 204; CS 201; one course from the following (FCS 215, HPE 212, MSC 115, or HPE 109); and four hours of general electives = 19 hours.

The requirements for a Bachelor of Social Work degree include 54 semester hours of social work courses. The following 39 hours of social work courses are required: SW 330, 332, 350, 360, 380, 381, 390, 391, 448, 449, and 450. Introduction to Social Work (SW 330) is a prerequisite for all social work classes with exception of SW 300, 344, 365, 370, 371, and 380. Students will get their remaining 15 hours in social work by taking five social work elective courses from among the following: SW 300, 333, 334, 335, 336, 338, 339, 340, 343, 353, 365, 370, 371, 392, 395, 399, 441, 442, 443, 445, 446, and 447. Social Work majors are not required to have a minor. Social work majors must earn a minimum of "C" or better in each of the social work courses.

Eligibility for the BSW Program requires passage of at least 48 semester hours (including MS 110, 112, or higher and MS 204), a 2.25 overall GPA, a grade of "C" or better in SW 330 (Introduction to Social Work), successful completion of SW 390, and a passing score on the English Competency Exam. *Eligibility and admission applications for the Bachelor of Social Work degree program* are distributed to students enrolled in SW 390. This application should be submitted to the program secretary upon completion of SW 390. **(No student can take SW 391 without eligibility for the BSW program.)** Students denied eligibility are encouraged to complete the application as soon as they meet the requirements and return it to the secretary for the BSW. **Students must have been formally determined as eligible for and admitted to the social work program before taking SW 391, 448, 449, and 450.** Students must maintain a 2.50 GPA in social work and a 2.25 GPA overall in order to graduate. See the BSW program webpage at <http://www.jsu.edu/socialwork/index.html> for complete information about the BSW program.

MAJOR IN SOCIOLOGY (BA or BS). The requirements for a major in Sociology are a total of 120 semester hours, which includes meeting all university and program general education requirements, including 30 semester hours of

sociology coursework, and either a second major or minor. Of the 30 hours required for the sociology degree, 15 hours are dictated by the program, while the additional 15 hours are sociology electives. The 15 hours of required sociology courses include: SY 221 or 222, 427 or 428, and 499 and one course from SY 324, 360 or 368. The additional 15 hours will be selected from only sociology courses and must be at the 300 or higher level. Mathematic requirements include MS 110 or higher and MS 204. Sociology majors must earn a minimum of “C” or better in each of the major and minor courses.

Introduction to Sociology (SY 221 or SY 222) is a prerequisite for most sociology courses. SY 427, 428, and 499 have additional prerequisites. Sociological Methods (SY 301) and Basic Statistics (MS 204) should be taken prior to sociology 300+ electives. Students are urged to consult with their academic advisor who will be helpful in choosing electives. Students should balance breadth and depth as best suits their own needs and future plans.

SOCIOLOGY MINOR. The requirements for a minor in Sociology are a minimum of 18 semester hours which must include SY 221 or 222 and 301. The remaining 15 hours are electives which must be chosen from courses in the sociology listing and must be at the 300 or higher level. **GERONTOLOGY MINOR.** This minor provides an interdisciplinary approach to the study of aging in America. It prepares students to understand the problems, prospects, and policy issues involved in aging. The requirements for a minor in Gerontology are 18 semester hours, which must include SY 370 or SW 370 and SY 340 or SW 371. The remaining 12 hours are electives which must be chosen from the following courses—SY 360, 364, 366, 441, 442, 443, 452, or 495, SW 334, 335, 380, or 441, HPE 420, REC 311, or PSY 323. There are no prerequisites for Gerontology minors.

PLAN OF STUDY

BACHELOR OF SOCIAL WORK DEGREE (BSW)

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations.

FRESHMAN YEAR

Fall	Spring
EH 1013	EH 1023
HY 101 or 201 (choose a sequence).....3	EH 141 Oral Communication.....3
BY 1013	HY 102 or 202 (complete a sequence)3
BY 1031	BY 1023
ART 202, MU 233, FL 101 or DR 242 (choose one)..3	BY 1041
STU 101.....0	PSY 201 Principles of Psychology3
<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 13	<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 16

SOPHOMORE YEAR

Fall	Spring
EH Literature3	EH Literature.....3
MS 110, 112, or higher (choose one).....3	MS 204 Basic Statistics.....3
CS 201 Introduction to Information Technology.....3	SY 221 Introduction to Sociology3
PSC 100 Introduction to American Government3	EC 221 or 222 Micro or Macroeconomics (choose one).3
FCS 215, HPE 212, MSC 115, or HPE 109 (choose one).....3	General Electives4
<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 15	<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 16

JUNIOR YEAR

Fall	Spring
SW 330 Introduction to Social Work3	SW 390 SW Practice I.....3
SW 380 HBSE I3	SW 350 Research3
SW Elective3	SW 360 Cultural Diversity.....3
General Electives.....6	SW Electives6
<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 15	<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 15

SENIOR YEAR

Fall	Spring
SW 332 Social Policy3	Final Semester
SW 381 HBSE II3	SW 448 SW Practice III3
SW 391 SW Practice II.....3	SW 449 Field Instruction Placement9
SW Electives.....6	SW 450 Field Seminar3
15	15
TOTAL HOURS: 120 for the BSW Degree	

SOCIAL WORK (SW) COURSE DESCRIPTIONS

- 300. Interpersonal Skills and Human Relations (3).** This course examines interpersonal skills and helping relationships. The course is designed to help students better understand themselves and their personal and professional relationships. Critical thinking skills, problem solving techniques and conflict resolution tactics are emphasized.
- 330. Introduction to Social Work (3).** *Prerequisite: 24 earned hours.* Designed to assist the student who is considering social work as a career. Fundamental concepts of social work, client systems, fields of practice, history, and the current status of social work are presented. Students are required to complete 30 hours of volunteer work in fulfilling course requirements.
- 332. Social Policy and Services (3).** *Prerequisites: SW 330, 380, and 390.* Current social policies and programs are presented and analyzed. Information on influencing policy formulation in the administrative, legislative, and judicial arenas is emphasized.
- 333. Family and Child Welfare Services I (3).** *Prerequisite: SW 330.* An exploration of the history of child welfare service in this country, as well as current trends in this field of social work. Foster care, adoption, and protective services will be viewed in a historical perspective, ending with an evaluation of current policy and future implications for social work practice in child welfare areas.
- 335. Social Work in Health Care (3).** *Prerequisite: SW 330.* This course explores social work practice in various health care settings, such as hospitals, health maintenance organizations, long-term care facilities, and home health care agencies. The psychosocial aspects of working with clients (patients) and the range of intervention strategies available to social work practitioners will be discussed.
- 336. Crisis Intervention (3).** *Prerequisite: SW 330.* This course provides content in crisis theory and intervention strategies. May be used as an elective in social work.
- 338. Social Work and Mental Health (3).** *Prerequisite: SW 330.* This course is designed to teach the identification, symptomology, and current trends in the treatment of mental illness. Emphasis will be placed on the diagnosis and treatment of dysfunctional cognitive, emotive, and behavioral disorders.
- 339. Communication in Social Work Practice (3).** *Prerequisite: SW 330.* An exploration of the historical development and current trends in both verbal and written forms of social work communication. Students will gain understanding in the development of effective presentations, psychosocial assessments, memorandums, proposals, progress notes, agendas, minutes, and other types of communication needed to be effective social work practitioners.
- 340. Social Work and Substance Abuse (3).** *Prerequisite: SW 330.* This course presents the current trends related to the use, abuse, and addiction of alcohol and drugs. Treatment options and legal ramifications will be explored.
- 343. Family and Child Welfare Services II (3).** *Prerequisite: SW 330.* This course examines contemporary theory, practices, and services in the field of child welfare and social services for children and families. Emphasis is placed on supportive, supplementary, and substitute care services in child welfare, including skills and knowledge most helpful in case management with children and families.
- 344. Community Engagement and Leadership (3).** The course is designed to help students come to a personal understanding of community service and leadership through learning based on volunteer service experiences, readings, group discussion and interaction, and critical reflection. This course includes the examination of pervasive social issues occurring locally, nationally, and globally. As part of this course, students are required to complete a minimum of 40 volunteer service-learning hours in a community and/or social service setting to be approved by the instructor. Students will be introduced to skills and issues relevant to various helping and human service professions.
- 350. Social Work Research (3).** *Prerequisites: SW 330, CS 201, and MS 110 or higher.* This course will focus on the application of theories and skills of social research to social work practice with individuals, groups, organizations, and communities. It is recommended this course be taken soon after SW 330. Students can use the skills and knowledge developed in this course to better complete the research assignments in the advanced social work courses. (Social work majors only.)

353. **Forensic Social Work (3).** *Prerequisite:* SW 330. This course provides an examination of social work roles within the realm of the criminal justice and legal system. The course will focus on the knowledge, skills, ethics, and competencies necessary for working with diverse populations within these settings. Topics will include, but are not limited to, forensic social work practice within the child welfare system, mental health system, juvenile justice system, domestic violence, etc.
360. **Cultural Diversity and Social Justice (3).** *Prerequisite:* SW 330. Content is presented that promotes understanding, affirmation, and respect for people from diverse backgrounds. Content focuses on how prejudice, discrimination, and exclusion affect the experiences of members of diverse groups.
365. **Perspectives on Poverty (3).** This course explores the heritage of poverty in the United States and the implications of the myths, facts, and social policies that influence and affect individuals, families, and communities. The course emphasizes the complex causes and prevalence of poverty and explores poverty research and models to eradicate or prevent poverty.
370. **Aging and Human Development (3).** An examination of aging in the United States. Primarily a sociological perspective, but deals with the psychological and biological aspects of aging, as well as contemporary demographic, economic, and political trends. (SW 370 is cross-listed with SY 370, but only one course can be counted for credit.)
371. **Perspectives on Death and Dying (3).** An examination of the attitudes of differing cultures and subcultures toward death, which encourages students to supplement relevant readings by discussing personal attitudes toward death and dying. Current research in this topic will be explored by lectures, films, and reading. By better understanding death and dying, students can explore in this course opportunities for growth and for improving the quality of life. (SW 371 is cross-listed with SY 340, but only one course can be counted for credit.)
380. **Human Behavior and Social Environment I (3).** *Prerequisites:* BY 101, 102, 103 and 104. Information about the stages of the human life cycle from birth through old age is presented. Attention is given to the biological and social factors of human development. SW 380 may be taken concurrently with SW 330. (Social work majors only.)
381. **Human Behavior and Social Environment II (3).** *Prerequisites:* SW 330 and 380. The focus is on the following social systems: family, group, organization, community, culture, and society. Human behavior within these systems and the behavior of these systems as entities are studied. (Social work majors only.)
390. **Social Work Practice I (3).** *Prerequisite:* SW 330. Generalist social work practice, ethics and values of the social work profession, and basic helping skills will be studied. Students will begin to acquire generalist social work practice skills and an identity with the social work profession. (Social work majors only.)
391. **Social Work Practice II (3).** *Prerequisites:* SW 330 and 390, and admission to the BSW program. Generalist practice skills will be developed for work with families and groups. Family assessments and interventions and group practice issues will be reviewed.
392. **Cognitive Theories in Social Work Practice (3).** *Prerequisite:* SW 330. The process of how emotions work and how humans can learn to behave more rationally in dealing with anger, anxiety, and depression will be reviewed.
395. **Case Management (3).** *Prerequisite:* SW 330. This course will assist students to develop skills in assessment, consulting, teaching, modeling, and advocacy to enhance the optimum social functioning of clients. Attention will be paid to the ways in which social workers can utilize practice models to pursue policies, services, and resources in a variety of social service settings.
399. **Study Tour (3).** Topics, excursions, and requirements determined by department. May be duplicated for credit; however, only three (3) credits may be applied toward any major or minor. Infrequently scheduled and subject to minimum and maximum numbers. Advance deposit required.
- 441, 442, 443. **Independent Study (3) (3) (3).** *Prerequisites:* Approval of instructor and department head required. Students with advanced standing explore areas of special interest with individualized instruction from a faculty member. (Social work majors only.)
- 445, 446, 447. **Special Topics in Social Work (1) (1) (1).** *Prerequisites:* SW 330 and permission from instructor and department head. This course focuses upon a selected area of social work practice and/or education. The course capitalizes on a timely topic, research activity, or experimental alternative to existing courses, etc. Directed study. (Social work majors only.)
448. **Social Work Practice III (3).** *Prerequisites:* All other courses for the BSW degree (except SW 449 and 450) and admission to Field Instruction Placement. Generalist practice knowledge, values, and skills will be studied and developed for work with and in organizations, communities, and large social systems. Must be taken concurrently with SW 449 and 450.
449. **Field Instruction Placement (9).** *Prerequisites:* All other courses for the BSW degree (except SW 448 and 450) and admission to Field Instruction Placement. Internship in a social service agency for 450 hours of supervised practice. Must be taken concurrently with SW 448 and 450.
450. **Field Instruction Seminar (3).** *Prerequisites:* All other courses for the BSW degree (except SW 448 and 449) and admission to Field Instruction Placement. Class meets once a week. Must be taken concurrently with SW 448 and 449.

PLAN OF STUDY
REQUIREMENTS FOR BACHELOR OF ARTS/BACHELOR OF SCIENCE
MAJOR: SOCIOLOGY

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations.

FRESHMAN YEAR

Fall	Spring
EH Comp 1013	EH Comp 1023
HY 101 or 201*3	EH 141 Oral Communication.....3
Natural Science sequence4	HY 102 or 202*3
Fine Arts3	Natural Science sequence4
SY 221 or 222 Intro to Sociology3	Social/Behavioral Science***3
STU 101.....0	
16	16

SOPHOMORE YEAR

Fall	Spring
EH Literature**3	EH Literature**3
MS 110 or higher3	MS 204 Basic Statistics3
Minor/Electives5	CS 2013
SY 223 Social Problems3	Minor/Electives5
14	14

JUNIOR YEAR

Fall	Spring
SY 301 Sociological Methods.....3	SY Electives 300+6
SY324, 360 or 368.....3	Minor/Electives 300+6
SY Elective 300+3	Minor/Elective.....3
Minor/Elective 300+.....3	
Minor/Elective 300+.....3	
15	15

SENIOR YEAR

Fall	Spring
SY Elective 300+3	SY 499 Senior Seminar3
SY 427 or 428 Social Theory3	SY Elective 300+3
Minor/Electives9	Minor/Electives9
15	15

TOTAL HOURS: 120

* A sequence of either HY 101 and 102 or HY 201 and 202 must be taken.

** Select from EH 201, 202, 203, 204, 219, 220, 231, or 232.

*** Select from AN 224, EC 222, GY 120, PSC 100, PSY 201 or 202, or PSY 222.

SOCIOLOGY (SY)
COURSE DESCRIPTIONS

- 221. Introduction to Sociology (3).** Basic concepts, principles, and methods of sociological analysis are examined. Subject areas include culture, socialization, groups, communities, institutions, social inequality, and social change.
- 222. Honors Introduction to Sociology (3).** Basic concepts, principles, and methods of sociological analysis are examined. Writing intensive, the primary goal is to teach students how to critically evaluate the world around them and their place in it using the sociological imagination.

223. **Social Problems (3).** *Prerequisite: SY 221 or 222.* An application of the sociological perspective to understanding important contemporary social issues and the social actions and policies that attempt to address them. Students develop critical thinking skills as they explore social problems, solutions and social change. Topics focus on inequality (race/ethnicity, class, gender, etc.) embedded in social institutions.
301. **Sociological Methods (3).** *Prerequisite: SY 221 or 222.* Sociological Methods involves various methodologies researchers utilize to produce scientifically based knowledge about society. Methods are any application of methodology, and methodology attempts to answer the question: how do you know? This course is an introduction to theory, design, collection, and analysis of data in sociology with particular focus given to various techniques by which sociological data are examined.
303. **Computers and Data Analysis (3).** *Prerequisite: SY 301 or MS 204 or CS 201.* Computers are used in the analysis of survey data. Commonly used software packages, such as SPSS, are employed.
304. **Social Statistics (3).** *Prerequisite: MS 100 or higher.* An introduction to the use of statistics in the social sciences, with an examination of measures of association and dispersion, scaling, probability, and tests of significance.
308. **American Society and Culture (3).** *Prerequisite: SY 221 or 222.* A sociological analysis of American society and culture, this course will examine the basic institutions in American society, such as family, education, religion, politics, and economy. It analyzes the roll of organizations in society and discusses the origin of American culture and the nature of popular culture.
309. **Sociology of Disability (3).** *Prerequisite: SY 221 or 222.* This course addresses the human responses to and facilitation of the concept of disability. The emphasis will be to connect the relationship among theory, epistemology, power relationships, and the social construction of disability. When the course is over students have a deeper understanding of social theory, the history of disabilities, and also how the concept of disabilities impacts lives today.
310. **Modern Family (3).** *Prerequisite: SY 221 or 222.* A study of origin and evolution of the modern family as a social institution and as a social group with emphasis on how family is impacted by other institutions (economy, state, media, religion, etc.) as well as inequalities (gender, sexualities, race, class, etc.)
313. **Social Psychology (3).** *Prerequisite: SY 221 or 222.* A survey of traditional and contemporary theories in social psychology regarding their applicability to everyday life, including such approaches as cognitive theory, reinforcement theory, symbolic interaction, and humanistic theories.
315. **Deviant Behavior (3).** *Prerequisite: SY 221 or 222.* Introduction to the social and cultural factors related to human deviance. Special attention is given to the study of various theories of deviant behavior.
320. **Criminology (3).** *Prerequisite: SY 221 or 222.* This course is an introduction to the study of criminology. Its focus is on the nature of crime, the nature and development of law, the criminal justice system, and theories of crime.
322. **Juvenile Delinquency (3).** *Prerequisite: SY 221 or 222.* Popular misconceptions; delinquency trends; police and juveniles; programs of prevention; detention centers; juvenile courts, probation; theories of causation; corrections.
324. **Social Stratification (3).** *Prerequisite: SY 221 or 222.* Causes, characteristics, and consequences of inequality are examined. Differences in wealth, power, and prestige are considered in the community, society, and between societies.
325. **Sociology of Organizations (3).** *Prerequisite: SY 221 or 222.* Simple and complex organizations are examined regarding their structures, functions, conflicts, and changes. Major theories are presented along with empirical studies of organizational behavior.
326. **Sociology of Education (3).** *Prerequisite: SY 221 or 222.* The school is examined as a major social institution and socializing agent in American society. The formal and informal structure of the school, its influence upon the responses to the wider community institutions, and primary functions of the school system are examined. Teacher-student relationships, the classroom as a social system, and equality of educational opportunity will be considered.
340. **Perspectives on Death and Dying (3).** *Prerequisite: SY 221 or 222.* An examination of the attitudes of differing cultures and subcultures toward death, which encourages students to supplement relevant readings by discussing personal attitudes toward death and dying. Current research in this topic will be explored by lectures, films, and readings. By better understanding death and dying, students can explore in this course opportunities for growth and for improving the quality of life. (SY 340 is cross-listed with SW 371, but only one course can be counted for credit.)
350. **Sociology of Disasters (3).** *Prerequisite: SY 221 or 222.* This course applies a sociological perspective to trace the study of disasters, emphasizing how social inequalities constitute varying degrees of risk and destruction throughout the pre, impact, and post disaster stages. This course examines social structure and social process as they interact with disaster conditions.
356. **Collective Behavior and Social Movements (3).** *Prerequisite: SY 221 or 222.* Crowds, mass behavior, fashions and fads, reform movements and revolutions are examined. Current examples are used to illustrate models and theories.
360. **Ethnic and Minority Group Relations (3).** *Prerequisite: SY 221 or 222.* This course focuses on relations between majorities and minorities, the conditions of minority life, and the structural, cultural, and interpersonal barriers that affect minorities.

362. **Global Immigration Patterns and Trends (3).** *Prerequisite: SY 221 or 222.* This course examines structural and individual immigration patterns and trends between country of origins and destination countries. The course examines how economic, political, and social forces lead to push and pull factors in both voluntary and forced migration routes. Course topics include illegal immigration, brain drain, refugees/asylum seekers, transnational migrants, etc.
364. **Medicine and Society (3).** *Prerequisite: SY 221 or 222.* This course is designed to provide a brief introduction to the major themes of and current trends concerning the social causes and consequences of health and illness. Topics of interest include exploration of the social facets of health and disease; the social functions of health organizations; and the social behaviors of health personnel and consumers.
365. **Drugs and Society (3).** *Prerequisite: SY 221 or 222.* This course presents a sociological framework for studying the ways in which societies both encourage and restrict the use of psychoactive drugs. The course will investigate the ways we think about alcohol, tobacco, prescription, and illegal drugs.
366. **Sociology of Religion (3).** *Prerequisite: SY 221 or 222.* The study of religion in its social and cultural contexts. Comparatively examines how religious beliefs, rituals, and practices exist in close relation to other aspects of society and culture, giving to human existence coherence and purpose.
367. **Sociology of Sexualities (3).** *Prerequisite: SY 221 or 222.* A study of how sexuality is perceived, defined, and experienced in the context of society. Topics include social norms, attitudes and beliefs about sexuality, public and private policies, as well as practices surrounding sexuality, and how sexuality is related to social institutions.
368. **Theories of Gender (3).** *Prerequisite: SY 221 or 222.* Theories of Gender will examine various theories of gender; how gender shapes interactions in everyday life; and how gender works in various social institutions (education, work, family, politics, media, etc.) and challenges to gendered systems.
370. **Aging and Human Development (3).** An examination of aging in the United States. Primarily a sociological perspective but deals with the psychological and biological aspects of aging, as well as contemporary demographic, economic, and political trends. (SY 370 is cross-listed with SW 370, but only one course can be counted for credit.)
399. **Study Tour (3).** Topics, excursions, and requirements determined by department. May be duplicated for credit; however, only three (3) credits may be applied toward any major or minor. Infrequently scheduled and subject to minimum and maximum numbers. Advance deposit required.
410. **Sociology of Science (3).** *Prerequisite: SY 221 or 222.* This course examines the social institutions that support and constitute scientific activities, how people construct scientific knowledge through social interactions, and the nature and consequences of the relationships between science and industry, politics, religion and gender.
427. **Classical Social Theory (3).** *Prerequisites: SY 221 or 222, plus 12 additional hours of sociology courses, or permission of instructor.* An examination of the major trends in social thought up to WWII. (It is recommended that both SY 427 and 428 be taken for those interested in attending graduate school in sociology.)
428. **Contemporary Social Theory (3).** *Prerequisites: SY 221 or 222, plus 12 additional hours of sociology courses, or permission of instructor.* An examination of the major trends in social thought after WWII. (It is recommended that both SY 427 and 428 be taken for those interested in attending graduate school in sociology.)
- 441, 442, 443. **Independent Study (3) (3) (3).** *Prerequisites: Students seeking admission must have advanced standing and secure approval of instructor and head of department.* An opportunity for the student with advanced standing to explore areas of special interest.
452. **Aging Practicum (3).** *Prerequisite: SY 370.* Field observation and experiences in agencies or organizations engaged in planning or administering programs for older people or providing direct services to older people. Seminar analysis of these experiences.
460. **Sociology Internship (3).** *Prerequisites: Minimum cumulative GPA of 3.00; a minimum completion of 12 hours of sociology course work at Jacksonville State University; and instructor approval required.* This course provides students the opportunity to gain work/career experience in service/learning or business/corporate settings.
- 480, 481, 482. **Advanced Seminar in Sociology (3) (3) (3).** *Prerequisites: SY 221 or 222, advanced standing, and instructor approval required.* An examination of current issues in sociology. The content of the course will vary each semester.
495. **Advanced Seminar in Aging (3).** *Prerequisites: SY 370, advanced standing, and instructor approval required.* An examination of current issues in aging.
499. **Senior Sociology Seminar (3).** *Prerequisites: SY 301, 427, senior status, and sociology major.* A summary and reintegration of fundamental concepts in sociology. Career paths are also discussed.

SCHOOL OF SCIENCE

Dean: Tim H. Lindblom

246 MARTIN HALL

Committed to Discovery. The School of Science at JSU offers a distinctive environment for investigation, learning, and discovery. In the classroom, laboratory, and field, our staff and faculty cultivate an atmosphere of inquiry. Alongside our students, we grapple with the big questions about our universe from a scientific perspective. With programs of study in three academic departments, we prepare undergraduate and graduate students to join the grand enterprise of discovery we call Science.

DEPARTMENT OF BIOLOGY (BY)

242 MARTIN HALL

Department Head: Lori Hensley

Professor: Al-Hamdani, Blair, Cline, Hamissou, Hensley, Lindblom, Murdock, Rayburn

Associate Professor: Sauterer, Tolley-Jordan, Triplett

Assistant Professor: Burns, Wofford

Instructor: Watkins

The Department of Biology offers a diverse spectrum of undergraduate courses in the biological sciences that enable a student to develop an understanding and appreciation of life, from molecular to ecological, and to develop the strong academic background necessary for pursuing graduate study or a career in biology or the health professions. The department recognizes the importance of both content and process in science education and thus offers the opportunity to develop communication skills and engage in undergraduate research in the biological sciences.

The **Bachelor of Science** degree with a **major in Biology** requires an overall minimum of 120 hours with a minimum of 36 hours of 300/400 level courses. At least 12 hours of the 300/400 level courses must be taken in residence at JSU. Students must earn a "C" or better in biology coursework and maintain a 2.00 GPA overall and in the courses taken on campus. Once the student has met the requirements for the major, the hours remaining to complete the 120 hours overall will be classified as electives. The Bachelor of Science degree with a major in biology is for those who intend to pursue careers in health professions (medicine, dentistry, optometry, physical therapy, pharmacy, veterinary medicine, physician assistant, etc.), graduate programs (MS, PhD), biological education, biomedical sciences, biotechnology, conservation biology, environmental biology, organismal biology, marine biology, industrial professions (lab managers, consulting, etc.), or governmental professions (research scientist, NOAA, NMFS, etc.). After completing a common core of biology courses, the biology major may choose a concentration from the listing below. Students pursuing a BS degree in biology are not required to have a minor in another academic discipline.

Ecology and Environmental Biology is designed for those majors who plan to enter graduate school or have careers in ecological or environmental research, environmental assessment, or education.

Marine Biology is for majors who plan to enter graduate school or have careers in marine biology research, environmental assessment, or education. The department is an active member of Alabama's Marine Environmental Sciences Consortium. Summer study at the Dauphin Island Sea Lab is required.

Pre-Health Professional Biology is for those majors who intend to seek admission to such health professions as medicine, dentistry, physical therapy, etc., or graduate study in the biomedical sciences.

Organismal Biology is intended for those majors who plan graduate study in organismal biology (plant or animal biology), or who plan to pursue careers in biological education or conservation biology or as a naturalist.

Cellular and Molecular Biology is for those majors who plan graduate study in biotechnology, cell and molecular biology, or biochemistry or who plan to pursue careers in academic, industrial and/or biotechnology settings.

Advising—Students who plan to earn the BS degree in biology should consult with the Department of Biology for advisement early in their plan of study and every semester thereafter. To complete the biology degree program, the students majoring in biology must plan carefully, since science laboratories can cause scheduling conflicts. An advisor can alert students to potential problems and assist in minimizing such conflicts. It is recommended that the biology major complete the biology core of genetics, cell biology, ecology, and research in biology early in the course of study. Careful planning will facilitate the opportunity for undergraduate research.

Additional departmental, program, advising, and career information is available at www.jsu.edu/biology.

The **Bachelor of Arts** degree with a **major in Biology** requires a minimum of 120 hours with a minimum of 36 hours of 300/400 level courses. At least 12 hours of the 300/400 level courses must be taken in residence at JSU. Students must earn a "C" or better in biology coursework and maintain a 2.00 GPA overall and in the courses taken on campus. Once the student has met the requirements for the major, the hours remaining to complete the overall 120 hours will be classified as electives. At the beginning of the sophomore year, students considering this degree program (BA vs. BS) should consult with the biology department head or their biology faculty advisor. Students pursuing a BA degree in biology are not required to have a minor in another academic discipline.

The Major in Biology (BS)

The requirements in biology for the major are:

a. Freshman Biology sequence: BY 101, 102, 103 and 104	8 hrs
b. Biology Core Courses: BY 322 (Genetics), BY 332 (Ecology), and BY 373 (Cell Biology)	12 hrs
c. Introduction to Research: BY 370.....	2 hrs
d. Biology courses to be selected from each of the following groups:	
Group I — Approved courses in cellular, physiological or developmental biology	4 hrs
Group II —Approved courses in organismal biology	4 hrs
e. Senior Seminar: BY 496	1 hr
f. BY 300/400 Electives	8 hrs
TOTAL Hours in Biology	39 hrs
g. Freshman Chemistry sequence: CY 105, 106, 107 and 108	8 hrs
h. Organic Chemistry sequence: CY 231 and 232.....	8 hrs
i. Mathematics: MS 113 or 125 or higher	3-4 hrs
j. Computer Science: CS 201	3 hrs
k. Physics sequence: PHS 201, 202, 203 and 204.....	8 hrs
TOTAL Hours in Support Courses	30-31

The approved Group I and II courses required for the biology major vary according to the specific concentration chosen and are outlined in the "Plan of Study" which follows below. **No more than one hour each of BY 327, 397, 427, and 489 can be applied to the biology major.**

The Major in Biology (BA)

The requirements in biology for the major are:

a. Freshman Biology sequence: BY 101, 102, 103 and 104	8 hrs
b. Biology Core Courses: BY 322 (Genetics), BY 332 (Ecology) and BY 373 (Cell Biology)	12 hrs
c. Introduction to Research: BY 370.....	2 hrs
d. Biology courses to be selected from each of the following groups:	
Group I — Approved courses in cellular, physiological or developmental biology	4 hrs
Group II —Approved courses in organismal biology	4 hrs
e. Senior Seminar: BY 496	1 hr
f. BY 300/400 Electives	8 hrs
TOTAL Hours in Biology	39 hrs
g. Freshman Chemistry sequence: CY 105, 106, 107 and 108	8 hrs
h. Foreign Language sequence: FH 101/102 or SH 101/102.....	6 hrs
i. Mathematics: MS 113, 125 or 204.....	3-4 hrs
j. Computer Science: CS 201	3 hrs
k. Wellness: FCS 215, HPE 109, MSC 113 or MSC 115.....	3 hrs
TOTAL Hours in Support Courses	23-24 hrs

The approved Group I and II courses required for the biology major are outlined in the "Plan of Study" which follows below. **No more than one hour each of BY 327, 397, 427, and 489 can be applied to the biology major.**

MINOR IN BIOLOGY

A **Minor in Biology** comprises a minimum of 24 hours that shall include BY 101, 102, 103, 104, 322, 332, 373 and four additional hours of approved biology courses at or above the 300 level. A minor in biology may not be taken in conjunction with a major in biology.

**PLANS OF STUDY
BACHELOR OF SCIENCE
MAJOR: BIOLOGY**

I. Plan of Study: CONCENTRATION IN ECOLOGY AND ENVIRONMENTAL BIOLOGY

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations.

FRESHMAN YEAR

Fall	Spring
EH 101 3	EH 102 3
BY 101 3	BY 102 3
BY 103 1	BY 104 1
CY 105 3	CY 106 3
CY 107 1	CY 108 1
MS 112 3	MS 113 or higher 3
STU 101 0	
14	14

SOPHOMORE YEAR

Fall	Spring
EH Literature ¹ 3	EH Literature ¹ 3
HY sequence ² 3	HY sequence ² 3
BY Core ³ 4	BY Core ³ 4
BY 370 2	CS 201 or higher 3
CY 231 4	CY 232 4
16	17

JUNIOR YEAR

Fall	Spring
EH 141 3	BY Group II ⁶ 4
BY Core ³ 4	BY 300+ Electives 4
BY Group I ⁴ 4	Social/Behavioral Science ⁷ 3
PHS 201 ⁵ 3	PHS 202 ⁵ 3
PHS 203 1	PHS 204 1
15	15

SENIOR YEAR

Fall	Spring
BY 300+ Electives 4	Electives 13
Social/Behavioral Science ⁷ 3	BY 496 1
Fine Arts ⁸ 3	
Electives 5	
15	14

TOTAL HOURS: 120

¹ Select two from EH 201, 202, 203, 204, 219, 220, 231, or 232.

² Select from HY 101 and 102 or 201 and 202.

³ Select from BY 322, 332, or 373.

⁴ BY Group I: Select from BY 412, 413, 434, 445, 473, 478 or 479.

⁵ Students may elect to take calculus-based PHS 211 /212 in place of PHS 201/202.

⁶ BY Group II: Select from BY 320, 323, 406, 407, 422, 442, 451, 452, 453, 458, 460 or 476.

⁷ Select from AN 224, EC 221, EC 222, GY 120, GY 220, PSC 100, PSY 201, PSY 222, or SY 221.

⁸ Select from ART 202, MU 233, DR 242, or FL 101.

II. Plan of Study: CONCENTRATION IN MARINE BIOLOGY

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations.

FRESHMAN YEAR

Fall	Spring
BY 1013	BY 1023
BY 1031	BY 1041
CY 1053	CY 106.....3
CY 1071	CY 1081
EH 101.....3	EH 1023
MS 112 or higher3	MS 113 or higher3
STU 101.....0	
14	14

SOPHOMORE YEAR

Fall	Spring
EH Literature ¹3	EH Literature ¹3
HY sequence ²3	HY sequence ²3
BY Core ³4	BY Core ³4
BY 3702	CY 2314
CY 232.....4	
16	14

JUNIOR YEAR

Fall	Spring
EH 141.....3	CS 201 or higher.....3
BY Core ³4	Electives 4
PHS 201 and 203 ⁴4	PHS 202 and 204 ⁴4
Social/Behavioral Science ⁵3	Social/Behavioral Science ⁵3
14	14

**SUMMER BETWEEN JUNIOR AND SENIOR YEAR
IN RESIDENCE AT DAUPHIN ISLAND SEA LAB**

MBY 486, 487, or 4814
MBY 415 or 4614
8

SENIOR YEAR

Fall	Spring
Electives7	Electives7
Fine Arts ⁶3	BY 4961
10	8

**SUMMER FOLLOWING SENIOR YEAR
IN RESIDENCE AT DAUPHIN ISLAND SEA LAB**

MBY 411, 423, or 4394
MBY Elective ⁷4
8

TOTAL HOURS: 120

¹ Select two from EH 201, 202, 203, 204, 219, 220, 231, or 232.

² Select from HY 101 and 102 or 201 and 202.

³ Select from BY 322, 332, or 373.

⁴ Students may elect to take calculus-based PHS 211/212 in place of PHS 201/202.

⁵ Select from AN 224, EC 221, EC 222, GY 120, GY 220, PSC 100, PSY 201, PSY 222, or SY 221.

⁶ Select from ART 202, MU 233, DR 242, or FL 101.

⁷ MBY elective (see marine biology program advisor for current list of approved courses).

III. Plan of Study: CONCENTRATION IN PRE-HEALTH PROFESSIONAL BIOLOGY *

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations

FRESHMAN YEAR

Fall	Spring
EH 1013	EH 1023
BY 1013	BY 1023
BY 1031	BY 1041
CY 1053	CY 1063
CY 1071	CY 1081
MS 112 or higher3	MS 113 or higher ²3
STU 1010	
14	14

SOPHOMORE YEAR

Fall	Spring
HY sequence ¹3	HY sequence ¹3
Social/Behavioral Science ²3	Social/Behavioral Science ²3
CY 2314	CY 2324
BY Core: BY 322 or 3734	BY Core: BY 322 or 3734
BY 3702	CS 201 or higher3
16	17

JUNIOR YEAR

Fall	Spring
EH 1413	EH Literature ⁴3
BY Group I: BY 3204	BY Group II: BY 4344
BY 300+ elective4	BY 300+ elective4
PHS 201 ³3	PHS 202 ³3
PHS 2031	PHS 2041
15	15

SENIOR YEAR

Fall	Spring
EH Literature ⁴3	Fine Arts ⁵3
BY Core: BY 3324	Electives11
Electives7	BY 4961
14	15

TOTAL HOURS: 120

¹ Select from HY 101 and 102 or 201 and 202.

² Select from AN 224, EC 221, EC 222, GY 120, GY 220, PSC 100, PSY 201, PSY 222, or SY 221

³ Student may elect to take calculus-based PHS 211/212 in place of PHS 201/202

⁴ Select two from EH 201, 202, 203, 204, 219, 220, 231, or 232

⁵ Select from ART 202, MU 233, DR 242, or FL 101

* Also recommended: BY 323, 402, 403, 450; CY 362; minor in chemistry

IV. Plan of Study: CONCENTRATION IN ORGANISMAL BIOLOGY

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations.

FRESHMAN YEAR

Fall	Spring
EH 1013	EH 1023
BY 1013	BY 1023
BY 1031	BY 1041
CY 1053	CY 1063
CY 1071	CY 1081
MS 112 or higher3	MS 113 or higher3
STU 1010	
14	14

SOPHOMORE YEAR

Fall	Spring
HY sequence ²3	HY sequence ²3
EH Literature ¹3	EH Literature ¹3
BY Core ³4	BY Core ³4
BY 3702	CS 201 or higher3
CY 2314	CY 2324
16	17

JUNIOR YEAR

Fall	Spring
EH 1413	BY Group II ⁶4
BY Core ³4	BY 300+ Elective4
BY Group I ⁴4	Social/Behavioral Science ⁷3
PHS 201 ⁵3	PHS 202 ⁵3
PHS 2031	PHS 2041
15	15

SENIOR YEAR

Fall	Spring
BY 300+ Elective4	Electives12
Social/Behavioral Science ⁷3	BY 4961
Fine Arts ⁸3	
Electives6	
16	13

TOTAL HOURS: 120

¹Select two from EH 201, 202, 203, 204, 219, 220, 231, or 232.

²Select from HY 101 and 102 or 201 and 202.

³Select from BY 322, 332, or 373.

⁴BY Group I: Select from BY 403, 412, 413, 434, 445, 473, 478, 479.

⁵Students may elect to take calculus-based PHS 211/212 in place of PHS 201/202.

⁶BY Group II: Select from BY 320, 323, 406, 407, 422, 442, 451, 452, 453, 458, 460, 476.

⁷Select from AN 224, EC 221, EC 222, GY 120, GY 220, PSC 100, PSY 201, PSY 222, or SY 221.

⁸Select from ART 202, MU 233, DR 242, or FL 101.

V. Plan of Study: CONCENTRATION IN CELLULAR AND MOLECULAR BIOLOGY *

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations.

FRESHMAN YEAR

Fall	Spring
BY 1013	BY 1023
BY 1031	BY 1041
CY 1053	CY 1063
CY 1071	CY 1081
EH 1013	EH 1023
MS 112 or higher3	MS 113 or higher3
STU 1010	
14	14

SOPHOMORE YEAR

Fall	Spring
EH Literature ¹3	EH Literature ¹3
HY sequence ²3	HY sequence ²3
BY Core 322 or 3734	BY Core 322 or 3734
BY 3702	CS 201 or higher3
CY 2314	CY 2324
16	17

JUNIOR YEAR

Fall	Spring
EH 1413	BY Group II ⁵4
BY Core 3324	BY 300+ Electives4
BY Group I ³4	Social/Behavioral Science ⁶3
PHS 201 ⁴3	PHS 202 ⁴3
PHS 2031	PHS 2041
15	15

SENIOR YEAR

Fall	Spring
Fine Arts ⁷3	BY 4961
BY 300+ Elective4	Social/Behavioral Science ⁶3
Electives8	Electives10
15	14

TOTAL HOURS: 120

¹ Select two: EH 201, 202, 203, 204, 219, 220, 231, or 232.

² Select from HY 101 and 102 or 201 and 202.

³ BY Group I: Select from BY 412, 413, 434, 473.

⁴ Student may elect to take calculus-based PHS 211/212 in place of PHS 201/202.

⁵ BY Group II: Select from BY 323 or 450.

⁶ Select from AN 224, EC 221, EC 222, GY 120, GY 220, PSC 100, PSY 201, PSY 222, or SY 221.

⁷ Select from ART 202, MU 233, DR 242, or FL 101.

* A chemistry minor, including Biochemistry (CY 362 and/or 363) is highly recommended for students intending to pursue a graduate degree in cellular and molecular biology.

**PLAN OF STUDY
BACHELOR OF ARTS
MAJOR: BIOLOGY**

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations.

FRESHMAN YEAR

Fall	Spring
EH 101.....3	EH 1023
BY 1013	BY 1023
BY 1031	BY 1041
MS 112 or higher3	MS 113, 125 or 2043
Social/Behavioral Science ¹3	Wellness ²3
STU 101.....0	Elective3
13	16

SOPHOMORE YEAR

Fall	Spring
HY sequence ³3	HY sequence ³3
CY 105.....3	CY 106.....3
CY 107.....1	CY 108.....1
BY Core ⁴4	BY Core ⁴4
Social/Behavioral Science ¹3	CS 201 or higher3
	BY 370 2
14	16

JUNIOR YEAR

Fall	Spring
EH Literature ⁵ 3	EH Literature ⁵ 3
Foreign Language sequence ⁶ 3	Foreign Language sequence ⁶ 3
BY Core ⁴ 4	BY Group I ⁷ 4
EH 141..... 3	BY 300+ Elective 4
Elective 3	
16	14

SENIOR YEAR

Fall	Spring
BY Group II ⁸ 4	BY 300+ Elective 4
Electives 300+ 5	BY 496 1
Electives 7	Electives 10
16	15

TOTAL HOURS: 120

¹Select from AN 224, EC 221, EC 222, GY 120, GY 220, PSC 100, PSY 201, PSY 222, or SY 221.

²Select from MSC 113, 115, FCS 215, or HPE 109.

³Select from HY 101 and 102 or HY 201 and 202.

⁴Select from BY 322, 332, 373.

⁵Select two from EH 201, 202, 203, 204, 219, 220, 231, or 232.

⁶See academic advisor when selecting foreign language sequence; select from FH 101/102 or SH 101/102 (this will count as Fine Arts requirement).

⁷BY Group I: Select from BY 403, 412, 413, 434, 445, 473, 478 or 487.

⁸BY Group II: Select from BY 301, 302, 320, 323, 406, 407, 422, 442, 451, 452, 453, 458, 460, 475, or 476.

**BIOLOGY (BY)
COURSE DESCRIPTIONS**

- 101. Introductory Biology I (3).** *Corequisite: BY 103.* An introduction to the concepts of biology, including cellular structure and function, bioenergetics, patterns and mechanisms of inheritance, the processes of evolution, and ecology. For majors and non-majors.
- 102. Introductory Biology II (3).** *Prerequisite: BY 101. Corequisite: BY 104.* An introduction to biodiversity, from bacteria through plants and animals, with an emphasis on their structure, function, and ecological interactions. For majors and non-majors.
- 103. Introductory Biology Lab I (1).** *Corequisite: BY 101.* One two-hour laboratory per week. This course reinforces lecture materials and must be taken concurrently with BY 101.
- 104. Introductory Biology Lab II (1).** *Prerequisite: BY 103. Corequisite: BY 102.* One two-hour laboratory per week. This course reinforces lecture material and must be taken concurrently with BY 102.
- 105. Honors Introductory Biology I (3).** *Prerequisite: Admission to the Honors Program or permission of instructor. Substitutes for BY 101. Corequisite: BY 107.* An advanced introduction to the concepts of biology, including chemistry as related to biology, cell structure and function, energy pathways, cellular reproduction, genetics, genetic techniques, evolution and ecology. For majors and non-majors.
- 106. Honors Introductory Biology II (3).** *Prerequisite: Successful completion of BY 105 or permission of instructor. Substitutes for BY 102. Corequisite: BY 108.* An advanced introduction to diversity in the living world. Emphasis is on structure, function, and ecological interactions of living organisms beginning with bacteria and viruses and progressing through plants and animals. For majors and non-majors.
- 107. Honors Introductory Biology Lab I (1).** *Prerequisite: Admission to the Honors Program or permission of instructor. Substitutes for BY 103. Corequisite: BY 105.* One two-hour laboratory per week. This course reinforces lecture materials with hands-on creative laboratory exercises and must be taken concurrently with BY 105.
- 108. Honors Introductory Biology Lab II (1).** *Prerequisite: Admission to the Honors Program or permission of instructor. Substitutes for BY 104. Corequisite: BY 106.* One two-hour laboratory per week. This course reinforces lecture materials with hands-on creative laboratory exercises and must be taken concurrently with BY 106.
- 263. Human Anatomy and Physiology I (4).** *Prerequisite: BY 101 and 103.* Lecture and laboratory. The first of a two-course sequence of human anatomy and physiology, with an emphasis on the skeletal, muscular, respiratory and circulatory systems. For students in health-related majors; no credit allowed toward biology major or minor.
- 264. Human Anatomy and Physiology II (4).** *Prerequisite: BY 263.* Lecture and laboratory. The second of a two-course sequence of human anatomy and physiology, with an emphasis on the digestive, urinary, reproductive and endocrine systems. For students in health-related majors; no credit allowed towards biology major or minor.
- 283. Health Microbiology (4).** *Prerequisite: BY 101 and 103.* Lecture and laboratory. The study of viruses, bacteria, protozoa and fungi that cause diseases in humans. For students in health-related majors; no credit for biology major or minor.
- 301. Field Zoology (3).** *Prerequisites: BY 101, 102, 103, and 104.* Lecture, laboratory, and field study. Collecting and identifying animals and noting ecological conditions.
- 302. Field Botany (3).** *Prerequisites: BY 101, 102, 103, and 104.* Lecture, laboratory, and field study. The laboratory work will involve the collection and identification of native plants of Alabama.
- 303. Biological Conservation (3).** *Prerequisites: BY 101, 102, 103, and 104.* A contemporary and historical study of biological conservation in America. Topics include national and global biodiversity, threats to biodiversity, conservation ethics and economics, habitat loss and degradation, habitat fragmentation, overexploitation, invasive species, conservation genetics, and conservation policy. Also addressed are the management of species and population dynamics, ecosystem conservation, restoration of degraded ecosystems, and sustainable development.
- 320. Comparative Vertebrate Anatomy (4).** *Prerequisites: BY 101, 102, 103, and 104.* Lecture and laboratory. The comparative study of vertebrate organ systems supplemented in laboratory with the dissection of selected vertebrates. *Group II*
- 322. Genetics (4).** *Prerequisites: BY 101, 102, 103, and 104.* Lecture and laboratory. Important facts, laws, theories, and methods used in the study of genetics.
- 323. Microbiology (4).** *Prerequisites: BY 101, 102, 103, and 104.* Lecture and laboratory. General microbiology, including methods of culture and identification of some of the most common types of microorganisms. *Group II*
- 327. Directed Studies in Biology (1).** *Prerequisite: BY 322 or 332 or 373. Recommended: BY 370.* May be duplicated for credit for a total of three (3) semester hours, but only one hour may be applied to the major. A laboratory, field or library research investigation dealing with an aspect of the biological sciences. Biology sponsor required for topic approval and supervision. Grade of Pass/Fail only.
- 331. Principles of Animal Nutrition (3).** *Prerequisites: BY 101, 102, 103, and 104.* The classification and function of nutrients, deficiency symptoms, digestive processes, characterization of feedstuffs, and formulation of diets for domestic animals.

- 332. Ecology (4).** *Prerequisites: BY 101, 102, 103, and 104. Prerequisite or corequisite: MS 112 or higher.* Lecture, laboratory, and field study. The association and distribution of organisms in relation to the major environmental factors.
- 340. Discovering Genomics and Bioinformatics (3).** *Prerequisite: BY 101.* The course provides fundamental background in bioinformatics, both theoretical (bioinformatics algorithms) and practical (databases and web-based tools used to study problems in biology), to students in computer science or in biological sciences. Introduction to the biological problems addressed in this course will be provided, as well as a formal definition of the computational problems and deep exploration of the algorithms for solving these problems. Practical use of topics introduced in class is demonstrated by laboratory exercises and homework problems. Students are grouped for class projects such that each group contains at least one life scientist and one computer scientist. (BY 340 is cross-listed with CS 340, but only one course can be counted for credit.)
- 370. Introduction to Research in Biology (2).** *Corequisite: BY 322 or 332 or 373.* Lecture and discussion. An introduction to research in biology, including discussion of the scientific method; reading, analyzing, and interpreting biological literature; experimental design and use of statistics; building and interpreting figures and tables; ethics; and developing a basic proposal for undergraduate research in biology.
- 373. Cell Biology (4).** *Prerequisites: BY 101, 102, 103, and 104.* Lecture and laboratory. The study of prokaryotic and eukaryotic cells, with an emphasis on their chemical and structural organization, bioenergetics and reproduction.
- 397. Biology Internship (1).** *Prerequisites: BY 101, 102, 103, and 104; either BY 322, 332 or 373; and permission of instructor required.* May be duplicated for credit for a total of three (3) semester hours, but only one hour may be applied to the major. The student will spend a minimum of 25 hours gaining practical experience at a public or private institution or business. Grade of Pass/Fail only.
- 399. Study Tour (3).** Topics, excursions, and requirements determined by department. May be duplicated for credit; however, only three (3) credits may be applied toward any major or minor. Infrequently scheduled and subject to minimum and maximum numbers. Advance deposit required.
- 402. Medical Microbiology (4).** *Prerequisite: BY 283 with permission of instructor or BY 323.* Lecture and laboratory. The study of pathogenic bacteria, viruses, fungi, and parasites of humans and some domestic animals. Emphasis on identification of pathogens, disease processes, and public health.
- 403. Immunology (3).** *Prerequisite: BY 373. Recommended: BY 323.* The study of immunity and how the immune system responds to specific infectious and non-infectious agents. Includes comparative immunology of invertebrate and vertebrate animals, immunological disorders, and application of immunological techniques.
- 405. Animal Behavior (3).** *Prerequisite: BY 332.* Lecture, discussion, demonstration, and library study. The genetic and anatomical basis of behavior, with an emphasis on the impact of behavior on the ecology of animals.
- 406. Ornithology (4).** *Prerequisite: BY 332.* Lecture, laboratory, and field study. The history, classification, anatomy, physiology, ecology, and distribution of birds, with an emphasis on field identification and ecology. *Group II*
- 407. Mammalogy (4).** *Prerequisite: BY 332.* Lecture, laboratory, and field study. Aspects of the biology, ecology, taxonomy, and distribution of Southeastern mammals. *Group II*
- 408. Public Policy and Ecosystems (4).** *Prerequisite: BY 332.* Lecture, laboratory, and field study. The course will address the history, evolution, and recent developments in natural resource policy and how it influences ecosystem structure and function. Topics will include fish and wildlife conservation, forest planning and management, agricultural policies, public lands (Bureau of Land Management lands, national forests, national wildlife refuges, national parks, and wilderness areas), endangered species, and policies that influence private lands. The relationship between policies and ecosystem structure and function will be addressed in class and in labs by debates and field exercises.
- 412. Plant Reproduction and Development (4).** *Prerequisites: BY 322 and 373. Recommended: CY 105, 106, 107, and 108.* Lecture and laboratory. A study of structural and functional aspects of reproductive and developmental phenomena in vascular plants. *Group I*
- 413. Animal Reproduction and Development (4).** *Prerequisites: BY 322 and 373. Recommended: CY 105, 106, 107, and 108.* Lecture and laboratory. A study of the structural and functional aspects of reproductive and developmental phenomena in animals, with an emphasis on the cellular and molecular mechanisms involved. *Group I*
- 415. Biometrics (3).** *Prerequisites: BY 322, 332, or 373 and MS 204.* An introduction to statistics for biology majors. This course will introduce students to appropriate statistics for analyzing biological data. This course will include how to select random samples, use basic statistical package(s), post-hoc statistical testing and the use of linear regression. The students will be introduced to real-world examples of statistics in ecological, toxicological, and physiological research.
- 422. Biology of Cryptogams (4).** *Prerequisites: BY 332 and 373.* Lecture, laboratory, field, and library study. The study of blue-green algae, algae, slime molds, bryophytes, and lichens. Extensive field and laboratory identifications. *Group II*
- 427. Independent Studies in Biology (1).** *Prerequisite: BY 370.* May be duplicated for credit for a total of three (3) semester hours, but only one hour may be applied to the major. A laboratory or field research project dealing with an aspect of the biological sciences. Biology sponsor required for topic approval and supervision. Grade of Pass/Fail only.

434. **Animal Systems Physiology (4)**. *Prerequisites: BY 373, CY 105, 106, 107, and 108. Recommended: CY 109 or 231 and 232; one semester of physics.* Lecture and laboratory. A systematic survey of organ system physiology in vertebrates, with an emphasis on systems analysis, biophysics, and bioengineering. *Group I*
435. **Landscape Ecology and Management (4)**. *Prerequisites: BY 332 and MS 204.* Lecture, laboratory, and field study. The role of spatial and temporal heterogeneity in the management of wildlife and natural resources is emphasized. Topics addressed include detection and description of heterogeneity, landscape dynamics and models, ecosystem management, adaptive management, genetics in conservation and management, population dynamics, community management, landscape-level conservation, managing biodiversity, and human interactions with ecosystems.
438. **Freshwater Biology (4)**. *Prerequisite: BY 332.* Lecture, laboratory, and field study. An analysis of the unique ecology and biology of the freshwater ecosystems, with extensive field work and a research project involved.
440. **Evolutionary Biology (4)**. *Prerequisite: BY 322.* Lecture, laboratory, and field study. A study of the processes and mechanisms which lead to evolutionary change in the biota.
442. **General Entomology (4)**. *Prerequisite: BY 332.* Lecture, laboratory, and field study of insects and other arthropods, with an emphasis on the taxonomy, morphology, physiology, and ecology of the insects. *Group II*
445. **Ecotoxicology (4)**. *Prerequisites: BY 332 and 373. Recommended: BY 322.* Lecture, laboratory and field study. This course is a survey of ecotoxicology: study of the integration of the major processes involved with transport, exposure and response of biological systems to xenobiotics; study of how toxicants mediate interactions between organisms and their biotic and abiotic environments; study of the impact and toxic effects of pollutants on diversity, growth and metabolism of living organisms, populations, communities, and the ecosystem. *Group I*
450. **Molecular Biology (4)**. *Prerequisites: BY 322 and 373 or permission of the instructor.* Lecture and laboratory. A study of the processes involved in the expression of biological information at the molecular level. The laboratory includes methods in recombinant DNA technology.
451. **Plant Anatomy (4)**. *Prerequisite: BY 373.* Lecture and laboratory. The comparative structural organization of the vegetative and reproductive parts of seed plants, from cells to tissues to systems. *Group II*
452. **Plant Taxonomy (4)**. *Prerequisite: BY 322 or 332.* Lecture, library, laboratory, and field study. Survey of plant nomenclature, identification systems, description, evolution, and classification, with an emphasis on vascular plants. *Group II*
453. **Dendrology (4)**. *Prerequisite: BY 332.* Lecture, laboratory, and field study. The identification, taxonomy, ecological characteristics, distribution, and economic importance of trees native to North America and ornamentals. *Group II*
454. **Tropical Biology (3)**. *Prerequisites: BY 101, 102, 103, and 104 and permission of instructor.* An extensive field trip to study the flora and fauna of tropical regions. Advance deposit required.
455. **Plant Ecology (4)**. *Prerequisite: BY 322 or 332.* Lecture, laboratory, library, and field study. The study of the major plant communities of the southeastern U.S. and their relationships with major abiotic features, including autecological field studies of plant species and populations.
458. **Herpetology (4)**. *Prerequisite: BY 332. Recommended: BY 320.* Lecture, laboratory, and field study. The study of the taxonomy, ecology, physiology, and external anatomy of amphibians and reptiles, with an emphasis on conservation and field methodology. *Group II*
460. **Ichthyology (4)**. *Prerequisite: BY 332.* Lecture, laboratory, and field study. An overview of the evolution, ecology, behavior, physiology, and conservation of fishes. *Group II*
473. **Advanced Cell Biology (4)**. *Prerequisite: BY 373. Recommended: BY 322, CY 231, 232, 362, and 363.* Lecture and laboratory. A study of molecular aspects of cell structures and their functions using both descriptive and biochemical approaches. *Group I*
475. **Economic Botany (4)**. *Prerequisites: BY 101, 102, 103, and 104.* Lecture, laboratory, and field study. The collection, identification, culture, and preservation of plants for illustration and utilization in the classroom and laboratory.
476. **Invertebrate Zoology (4)**. *Prerequisite: BY 332.* Lecture, laboratory, and field study. The study of the systematics, ecology, physiology, and phylogenetic relationships of invertebrate animals. *Group II*
477. **Cell and Tissue Culture (4)**. *Prerequisites: BY 373 and CY 105-108. Recommended: BY 322, 412, 431 and CY 231.* Lecture and laboratory. The study of *in vitro* manipulation of cells, tissues, and organs, both solid and suspension culture, and their application to biotechnology.
478. **Endocrinology (3)**. *Prerequisites: BY 373 and CY 231.* General introduction to vertebrate endocrine systems and the variety of chemical messengers involved in the regulation of physiological processes. Topics will include discussions of the history and methodologies of endocrinology, hormone synthesis, physiological effects of hormones, and the mechanisms of actions for various hormones. *Group I*
479. **Plant Physiology (4)**. *Prerequisite: BY 373. Recommended: BY 451.* Lecture and laboratory. The study of mineral nutrition, water relations, photosynthesis, metabolism, and transport in vascular plants. *Group I*
480. **Advanced Topics in Biology I (1)**. *Prerequisites: BY 322, 332, and 373.* Lecture and discussion. Topics to be posted in the biology department.
481. **Advanced Topics in Biology II (1)**. *Prerequisites: BY 322, 332, and 373.* Lecture and discussion. Topics to be posted in the biology department.

- 488. Laboratory Practicum I (2).** *Prerequisites: BY 322, 332, and 373 and permission of instructor.* Lecture and laboratories. The design, organization, and implementation of laboratory exercises, the use of appropriate equipment and instructional materials, and laboratory safety and supervision. Offered fall term only.
- 489. Laboratory Practicum II (1).** *Prerequisites: BY 322 or 332 or 373, and permission of the instructor.* The organization and implementation of laboratories, including the use of appropriate equipment and instructional materials. Grade of Pass/Fail only.
- 496. Senior Seminar (1).** *Prerequisites: BY 370 and senior standing.* The capstone course in biology includes a written report, an oral presentation in a symposium format, satisfactory completion of a comprehensive exam for the major, and participation in departmental assessment. Required for biology major; should be taken in the last semester.

MARINE BIOLOGY (MBY)

In addition to the requirements for the BS in biology, the Marine Biology concentration requires 16 credit hours of MBY courses which are offered during the **summer only** at the Dauphin Island Sea Lab (DISL). The following courses are required:

MBY 411 Marine Ecology or MBY 461 Marine Behavioral Ecology

MBY 481 Marine Mammals, MBY 486 Marine Vertebrate Zoology, or MBY 487 Marine Invertebrate Zoology

MBY 415 Marine Botany, MBY 423 Marsh Ecology, or MBY 439 Coastal Wetland Ecology

4 hours of MBY at the 300 or 400 level.

MBY electives must be approved by the JSU marine biology advisor. Students interested in marine biology must consult with the biology department's marine biology advisor for information about the concentrations, actual summer offerings at DISL, JSU Sea Lab Scholarships, application, and registration. Special fees and course availability are determined by DISL. Registration for DISL courses occurs during February each year.

MARINE BIOLOGY (MBY) COURSE DESCRIPTIONS

- 309. Marine Biology (4).** *Prerequisites: BY 101, 102, 103, and 104.* A general survey of the invertebrates, vertebrates, and marine plants as communities with emphasis on local examples of these principal groups. Students will have an opportunity to examine marshland, estuarine, beach, dune, inlet and neritic habitats, and niches. Lecture, laboratory, and field work will be included.
- 411. Marine Ecology (4).** *Prerequisites: BY 101, 102, 103, and 104, one year of general chemistry, one semester of general physics.* Bioenergetics, community structure, population dynamics, predation, competition, and speciation in marine ecosystems will be studied. Lecture and laboratory work will be included, although considerable time will be spent in field work. Students who have not previously had marine courses may enroll; however, Marine Invertebrate Zoology (MBY 487) or Marine Biology (MBY 309) would be very helpful. Individual species will be studied as they relate to ecological principles which they exemplify, thus providing both a taxonomic and ecologic background.
- 415. Marine Botany (4).** *Prerequisites: BY 101, 102, 103, and 104.* A general survey of coastal and marine flora with emphasis on taxonomy, morphology, physiology, ecology, and distribution. Community structure in various ecosystems will be studied. Students will have an opportunity to examine pelagic, marshland, estuarine, beach, sand dune, and inlet niches. Lecture and laboratory work will be included, and a collection will be required.
- 416. Introduction to Oceanography (4).** *Prerequisites: One year of general biology or one year of general zoology and one year of general botany; one year of general chemistry; one semester of physics; and one semester of college algebra.* An introduction to biological, chemical, geological, and physical aspects of the sea.
- 423. Marsh Ecology (4).** *Prerequisite: Advanced undergraduate standing in biology.* A study of the floral and faunal elements of various marine marsh communities with an emphasis on the interaction of physical and biological factors. Lecture, lab, and field trips.
- 427. Marine Technical Methods I (2).** *Prerequisite: Advanced undergraduate standing.* An introduction to instruments and procedures normally utilized aboard a marine research vessel. These include physical, biological, chemical, and geological parameter measurements and sample collections. Basic positioning and communication procedures are included.
- 428. Marine Technical Methods II (2).** *Prerequisite: Advanced undergraduate standing.* An introduction to the laboratory methodology associated with the usual chemical parameters of nutrient analysis. The laboratory approach will be pursued, ship-board and specific practical skills developed.

435. **Coastal Zone Management (2).** *Prerequisite: Advanced undergraduate standing.* A review of ecological features and of management policies for coastal communities with a description of relevant federal and state programs.
439. **Coastal Wetlands Ecology (4).** *Prerequisites: BY 101, 102, 103, and 104.* This course will focus on coastal and near shore wetlands, with an emphasis on biogeochemical processes, ecological function, and conservation. Lecture and laboratory.
459. **Shark and Ray Biology (2).** *Prerequisites: BY 101, 102, 103, 104.* This course provides an introduction to the biology of sharks and rays, with special emphasis on regional shark fauna and field techniques. Topics covered include, but are not restricted to, evolution and systematics of chondrichthyan fishes, physiology, reproduction and life history, diet, ecology, and conservation biology. Lecture and lab experiences.
460. **Dolphins and Whales (2).** *Prerequisites: BY 320 and MBY 486.* This course enables students to make rapid, accurate, and thoughtful use of a customized reference file and laboratory and field notes to respond to questions about the classification, anatomy, and ecology of marine mammals of the order Cetacea. Lecture and laboratory. (Not open to students with credit in MBY 481.)
461. **Marine Behavioral Ecology (4).** *Prerequisite: BY 332. Recommended: MS 204.* This course examines how animal behavior is influenced by and interacts with its environment, and the ecological and evolutionary significance of these behaviors in a marine setting. Lecture, laboratory, and field exercises (some overnight).
462. **Marine Protozoology (4).** *Prerequisites: BY 101, 102, 103, and 104 or MBY 309.* A study of the major groups of protists from a variety of marine habitats, including their taxonomy, structure, and ecology of methods of identification. Lectures, laboratory, and field trips.
464. **Introduction to Neurobiology (4).** *Prerequisite: Advanced undergraduate standing.* An introduction to the neuroanatomy and neurophysiology of marine invertebrates and vertebrates. A neurosim computer package is used to help illustrate the basic principles and to allow a detailed exploration of neurophysiology and neural networks. Lecture and lab.
465. **Biology and Conservation of Marine Turtles (2).** *Prerequisites: BY 101, 102, 103, and 104.* This course will cover the identification, distribution, nesting behavior, migratory behavior, population biology and genetics, evolution, and conservation of marine turtles. Lecture and laboratory. Overnight field trip and special fees apply.
481. **Marine Mammals (4).** *Prerequisites: BY 101, 102, 103, and 104.* This course will cover the evolutionary history, taxonomy/classification, anatomy, physiology, behavior, conservation/management issues, and research techniques related to marine mammals. Lecture and laboratory. (Not open to students with credit in MBY 460.)
486. **Marine Vertebrate Zoology (4).** *Prerequisites: BY 101, 102, 103, and 104.* A study of marine fishes, reptiles and mammals, with an in-depth, comprehensive treatment of their systematics, zoogeography, and ecology. Lectures will encompass subject matter on a nonregional basis. Field and laboratory work will stress the vertebrate fauna of the northern Gulf of Mexico. Most of the courses will be devoted to fishes. Students will have an opportunity to assemble a collection of vertebrate species.
487. **Marine Invertebrate Zoology (4).** *Prerequisites: BY 101, 102, 103, and 104.* An examination of the systematics, ecology, physiology, and phylogenetic relationships of locally occurring marine invertebrate taxa. Lecture, laboratory, and field work required. Opportunity to acquire collections of local fauna.
491. **Directed Research (2).** *Prerequisite: Consent of instructor.* Students may enroll by special arrangement to do research in any of the subject areas of marine science currently being offered at the Sea Laboratory.

**DEPARTMENT OF MATHEMATICAL, COMPUTING,
AND INFORMATION SCIENCES (MCIS)**

**Computer Science and Computer Information Systems Programs
Accredited by the Computing Accreditation Commission of ABET, Inc.**

119 AYERS HALL

Department Head: Vijaya Gompa
Professor: Case, Dempsey, Dodd, Francia, Gompa, J. Kim, Y. Kim,
Krishnaprasad, Leathrum, E. Smith,
Associate Professor: Franklin, Garrett, K. Kim, Thornton, Trifas
Assistant Professor: Cleveland, Gamess, Rahman
Assistant Visiting Professor: Ogden
Instructor: Alam, Cochran, C. Jensen,
McDivitt, D. Smith, Snellen, Stanley, A. White

Three majors are available: 1) Mathematics with one of two concentrations—Traditional and General; 2) Computer Science with one of three concentrations—Information Assurance, Game Development, and General; and 3) Computer Information Systems with one of three concentrations—Information Assurance, Web Development, and General.

The **Mathematics (MS) major** consists of prescriptive common courses, prescriptive concentration courses, and elective courses. Concentrations available are: 1) **Traditional**—emphasizes course work to prepare the student for

graduate work in mathematics and a career in mathematics (39 hours); and 2) **General**—emphasizes course work designed to give the student sound fundamental skills and to integrate these fundamental skills into a broad knowledge of the content and methods of mathematics as a liberal art (39 hours).

Each concentration requires completion of the following **common courses** with a “C” or better: MS 125, 126, 227, 300, 344, 352, 415, and 441.

Each concentration requires completion of the following **concentration courses** with a “C” or better: *Traditional*: none, *General*: MS 302, 309, 323, and 475.

Each concentration requires **elective courses** selected from the departmental list of approved mathematics electives as follows: *Traditional*: at least four additional MS courses including at least two additional MS courses numbered above 300, excluding 322, 331, and 332, and including at least two additional MS courses numbered above 400, *General*: none required. In addition to the common, concentration, and elective courses, each concentration requires the following **support courses**: CS 230 or CS231 or higher programming course, and PHS211 and 213. A minor is not required for students majoring in mathematics.

The **Mathematics minor** requires a minimum of 21 hours and consists of the calculus sequence and three mathematics courses numbered 300 or above, excluding MS 322, 331 and 332.

The **Computer Science major** emphasizes the development of large software systems. It consists of prescriptive courses and elective courses. The **prescriptive courses** are CS 230, 231, 232, 234, 304, 310, 331, 333, 350, 450, 462, 488, and 491, and must be completed with a “C” or better. **Three concentrations** are available based on elective courses pursued that must be completed with a “C” or better: (1) **Information Assurance**: CS 307, 308, 412 or 425 or 461, and 470; (2) **Game Development**: CS 339, 439, and two of the following courses: 430, 432, 444; and (3) **General**: Four **elective courses** must be completed from the departmental list of approved computer science electives: two numbered 300 or above and two numbered 400 or above. Courses in the major may not be taken until all prerequisites are completed with a grade of “C” or better.

In addition to the major courses, **support courses** required are MS 125, 126, , 302, and 352The **Computer Information Systems major** emphasizes the development and maintenance of business software systems. It consists of prescriptive courses and elective courses. The **prescriptive courses** are CS 230, 231, 232, 304, 309, 310, 311, 333, 350, 370, 450, 462, 488, and 491, and must be completed with a “C” or better. **Three concentrations** are available based on elective courses pursued that must be completed with a “C” or better: (1) **Information Assurance**: CS 307, 308, 412 or 425 or 461, and 470; (2) **Web Development**: CS 315, 325, 425, and 415; and (3) **General**: Four **elective courses** must be completed from the departmental list of approved computer information systems electives: two numbered 300 or above and two numbered 400 or above. Courses in the major may not be taken until all prerequisites are completed with a grade of “C” or better.

In addition to the major courses, **support courses** required are ACC 200, EC 221, FIN 301, MGT 301, MKT 301, MS 120 or MS 125, and MS 302.

The **Computer Science minor** requires 21 hours consisting of CS 230, 231, 232, 310, 333, 350, and 488. The **Computer Information Systems minor** requires 21 hours consisting of CS 230, 231, 232, 310, 311, 370, and 488. The **Applied Information Processing minor** requires 21 hours consisting of CS 230 and six CS courses selected from CS 231, 232, 300, 302, 305, 307, 309, 310, 315, 322, and 339. Courses in each of these minors must be completed with a “C” or better. Also, courses in these minors may not be taken until all prerequisites are completed with a grade of “C” or better.

To satisfy the general studies curriculum, general courses from the areas listed in the “Plan of Study” for each major and concentration must be completed. The “Plan of Study” is located before the “Course Descriptions” for each major. All students, especially transfer students, must note the specific courses required in their “Plan of Study.” For specific requirements in each major/minor see the department head or an advisor. Students may also use the internet to obtain an outline of the specific courses required for their chosen major and concentration. The URL is <http://www.jsu.edu/mcis>.

PLANS OF STUDY
BACHELOR OF SCIENCE
MAJOR: MATHEMATICS (MS)

NOTE: This schedule reflects the mathematics program beginning with Calculus I (MS 125). Freshman mathematics majors needing additional preparation before beginning calculus will be placed in the appropriate algebra or precalculus courses that provide this preparation. See advisor.

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations.

FRESHMAN YEAR

Fall	Spring
MS 1254	MS 1264
CS 230, 231 or higher programming course3	EH 1023
EH 1013	HY /Social/ Behav Sci#3
HY3	Social/Behavioral Science 3
STU 101.....0	Fine Arts.....3
13	16

SOPHOMORE YEAR

Fall	Spring
MS 2274	MS 3003
EH 1413	MS 3523
PHS 211 and 2135	Social/Behavioral Science3
Literature3	Humanities & Fine Arts#3
15	4-5
	16-17

CONCENTRATION: TRADITIONAL

JUNIOR YEAR

Fall	Spring
MS 3443	MS 4153
MS 300+ Electives3	MS 300+ Electives3
General Electives9	General Electives8-9
15	14-15

SENIOR YEAR

Fall	Spring
MS 4413	MS 400+ Electives3
MS 400+ Electives3	General Electives12
General Electives9	
15	15

TOTAL HOURS: 120

CONCENTRATION: GENERAL

JUNIOR YEAR

Fall	Spring
MS 3093	MS 3233
MS 3443	MS 4413
General Electives9	General Electives8-9
15	14-15

SENIOR YEAR

Fall	Spring
MS 3023	MS 4753
MS 4153	General Electives12
General Electives9	
15	15
TOTAL HOURS: 120	

#Either a History sequence or a Literature sequence is required.

MATHEMATICS (MS) COURSE DESCRIPTIONS

NOTE: Information regarding placement in an initial mathematics course may be found on the MCIS department web page. The placement criteria found on the web page are subject to change. Students will be placed based on the criteria current at the time of enrollment in their initial mathematics course.

100. **Intermediate Algebra for Precalculus (3).** *Prerequisite: Satisfactory score on the departmental placement test.* Operations and properties of real numbers, rates and proportions, units and measurement, elementary plane geometry, linear equations and inequalities, exponents and polynomials, factoring algebraic expressions, graphing in the cartesian plane, systems of equations and inequalities, rational and radical expressions, and functions. (May not be repeated. Institutional credit only.) Grades: P, NC.
107. **Intermediate Algebra for Finite Mathematics (3).** *Prerequisite: Satisfactory score on the departmental placement test.* Operations and properties of real numbers, rates and proportions, units and measurement, elementary plane geometry, linear equations and inequalities, exponents, graphs, and radicals. (May not be repeated. Institutional credit only.) Grades: P, NC.
110. **Finite Mathematics (3).** *Prerequisite: Satisfactory score on the departmental placement test or satisfactory performance the appropriate developmental course, or MS 112 or higher.* This course gives an overview of topics in finite mathematics with applications, including set theory, logic, proportional reasoning, statistics, and finance. Credit will not be given for both MS 110 and MS 111.
111. **Honors Finite Mathematics (3).** *Prerequisite: Satisfactory score on the departmental placement test or satisfactory performance in the appropriate developmental course, or MS 112 or higher.* Advanced study of topics in finite mathematics with applications, including set theory, logic, proportional reasoning, statistics, and finance, with an emphasis on writing, projects, and technology. Credit will not be given for both MS 110 and MS 111.
112. **Precalculus Algebra (3).** *Prerequisite: Satisfactory score on the departmental placement test or satisfactory performance in the appropriate developmental course.* First and second degree equations and inequalities, linear and quadratic functions and graphs, polynomial and rational functions, exponential and logarithmic functions, conic sections, and systems of equations.
113. **Precalculus Trigonometry (3).** *Prerequisite: MS 112 with a "C" or better or satisfaction of MCIS department placement criteria (see the MCIS department website).* Trigonometric functions and inverses, applications, graphs, identities and equations, laws of sines and cosines, vectors and complex numbers.
115. **Precalculus Algebra and Trigonometry (4).** *Prerequisite: MS 112 with a "C" or better or MS 113 with a "C" or better or satisfaction of MCIS department placement criteria (see the MCIS department website).* The course is an algebra-trigonometry composite providing the student with a mathematical foundation required for calculus or other courses requiring a similar mathematical background.
117. **Advanced Technical Mathematics I (2).** *Prerequisite: MS 112 with a "C" or better or satisfactory score on ACT/ SAT or departmental placement test.* Selected topics from: unit conversions, geometry, trigonometry, differential and integral calculus. Applications emphasize solving problems in technology. Open only to students in the technology program, except by instructor permission. Student cannot receive credit for both this course and AE 302. (Department credit not given for mathematics majors or minors.)
119. **Advanced Technical Mathematics II (2)** *Prerequisite: MS 117 with a "C" or better.* Selected topics from: unit conversions, geometry, trigonometry, differential and integral calculus. Applications emphasize solving problems in technology. Open only to students in the technology program, except by instructor permission. Student cannot receive credit for both this course and AE 302. (Department credit not given for mathematics majors or minors.)
120. **Calculus and Its Applications (3).** *Prerequisite: MS 112 with a "C" or better or satisfaction of MCIS department placement criteria (see the MCIS department website).* Topics in differential and integral calculus with business

applications, functions of several variables, partial derivatives with business applications, Lagrange Multipliers, and multiple integration.

125. **Calculus I (4).** *Prerequisite: MS 113 with a "C" or better or MS 115 with a "C" or better or satisfaction of MCIS department placement criteria (see the MCIS department website).* Introduction to analytic geometry, functions and limits, differentiation with applications, indeterminate forms, antiderivatives, definite integrals, numerical integration, calculus of transcendental functions.
126. **Calculus II (4).** *Prerequisite: MS 125 with a "C" or better.* Applications of integration, techniques of integration, improper integrals, infinite series, vectors in the plane and in 3-space.
133. **Mathematical Concepts I (3).** *Prerequisite: MS 112.* Preparation for implementation of standards set by the National Council of Teachers of Mathematics. Problem solving, set theory, number theory, real number operations, historical development and structure of number systems. (Enrollment by advisement only.) Two hours lecture and two hours lab.
134. **Mathematical Concepts II (3).** *Prerequisites: MS 112 and 133.* A thorough study of geometry, measurement, and statistics as recommended by the NCTM. Problem solving and application are emphasized. (Enrollment by advisement only.) Two hours lecture and two hours lab.
135. **Mathematical Concepts III (3).** *Prerequisites: MS 112 and 133.* Further study in NCTM recommended math content to include logic, probability, principles of counting, algebraic reasoning and representation. (Enrollment by advisement only.) Two hours lecture and two hours lab.
204. **Basic Statistics (3).** *Prerequisite: Satisfactory score on the departmental placement test or satisfactory performance in the appropriate developmental course, or MS 110 or higher.* Numerical descriptive methods, axioms of probability, random variables, statistical inference, point and interval estimation of mean, and hypothesis testing.
227. **Calculus III (4).** *Prerequisite: MS 126 with a "C" or better.* Polar coordinates, parametric equations, vector-valued functions, multivariate functions, multiple integrals, vector analysis.
250. **Introduction to Linear Algebra (3).** *Prerequisite: MS 113 or 115.* Basic theory of linear equations, matrices, real vector spaces, bases, dimension, linear transformations, determinants, eigenvalues, eigenvectors, inner product spaces, and the diagonalization of symmetric matrices.
300. **Introduction to Advanced Mathematics (3).** *Prerequisite: MS 126 with a "C" or better.* Mathematical writing, including methods of proof, and fundamentals of sets and functions. May also include selected topics in algebra, analysis, number theory, or discrete mathematics. Students will be required to demonstrate mastery of selected precalculus material by independently completing a mastery-based tutorial and testing program with a satisfactory score.
302. **Applied Probability and Statistics (3).** *Prerequisite: MS 120 with a "C" or better or MS 125 with a "C" or better.* Provides a summary of introductory probability and statistics centered around data analysis examples and computer simulations. Includes discrete and continuous probability distributions, estimation, and hypothesis testing.
304. **Mathematical Statistics I (3).** *Prerequisite: MS 126 with a "C" or better.* Probability rules, discrete and continuous random variables and their probability distributions, expected value, variance, moment generating functions, multivariate probability distributions, and covariance.
305. **Number Theory (3).** *Prerequisite: MS 126 with a "C" or better.* An introduction to the principal topics of elementary number theory, including divisibility, linear Diophantine equations, distribution of primes, congruences, Fermat's Theorem, and number theoretic functions.
309. **Combinatorics (3).** *Prerequisite: MS 126 with a "C" or better.* An introduction to counting techniques, such as permutations and combinations, the inclusion-exclusion principle, recurrence relations, and generating functions. May also include topics from graph theory, combinatorial design, and discrete probability.
322. **Selected Survey of Secondary School Mathematics (3).** *Prerequisites: MS 112 and 113 or equivalents.* For students pursuing certification in mathematics. Overview of secondary school mathematics for prospective and in-service teachers of mathematics. (Department credit not given for mathematics majors or minors.)
323. **College Geometry (3).** *Prerequisite: MS 300.* Euclidean geometry, including synthetic and analytic proofs, geometric constructions, properties of the triangle and circle; an introduction to non-Euclidean geometry.
331. **Peer Educator (1).** Academic credit given to advanced undergraduate students who provide tutorial assistance in the mathematics department. Students will work under the guidance of an experienced mathematics instructor. Permission of department head required. (Department credit not given for mathematics majors or minors. MS 331 and MS 332 may be repeated for credit up to a maximum combined total of six semester hours. Course graded Pass/Fail.)
332. **Peer Educator (2).** Academic credit given to advanced undergraduate students who provide tutorial assistance in the mathematics department. Students will work under the guidance of an experienced mathematics instructor. Permission of department head required. (Department credit not given for mathematics majors or minors. MS 331 and MS 332 may be repeated for credit up to a maximum combined total of six semester hours. Course graded Pass/Fail.)

344. **Differential Equations (3)**. *Prerequisite: MS 126 with a "C" or better.* The methods of solving differential equations of first or second order and higher order linear equations, including series solutions and selected applications.
352. **Linear Algebra (3)**. *Prerequisite: MS 126 with a "C" or better.* Matrices, linear systems, vector spaces with emphasis on algebraic structures.
390. **Numerical Analysis (3)**. *Prerequisites: MS 352 and CS 230 (or a higher numbered computer science programming course) with a "C" or better in both.* Numerical analysis and computing with emphasis on methods adaptable to electronic computing machinery.
397. **Directed Readings in Undergraduate Mathematics (1)**. *Prerequisites: Advanced standing and approval of instructor.* This course may be repeated for credit up to a maximum of three hours.
399. **Study Tour (3)**. Topics, excursions, and requirements determined by department. May be duplicated for credit; however, only three (3) credits may be applied toward any major or minor. Infrequently scheduled and subject to minimum and maximum numbers. Advance deposit required.
403. **Vector Analysis (3)**. *Prerequisite: MS 227.* The algebra and calculus of vectors; applications to geometry, electricity, harmonic functions, and potentials.
404. **Mathematical Statistics II (3)**. *Prerequisites: MS 227 and 304.* A continuation of MS 304. The Central Limit Theorem, order statistics, functions of random variables, properties of estimators, confidence intervals, hypothesis testing, and least squares regression models.
415. **Advanced Calculus I (3)**. *Prerequisites: MS 227 and 300.* Real number system, elementary point set theory, limits, theory of continuous functions, differentiable functions.
416. **Advanced Calculus II (3)**. *Prerequisite: MS 415.* Selected topics from advanced calculus, including differentiable functions, the Riemann integral, and sequences and series of functions.
423. **A Survey of Geometries (3)**. *Prerequisite: MS 323.* Selected topics from advanced Euclidean geometry, finite geometries, Non-Euclidean geometry, and other related topics.
441. **Abstract Algebra I (3)**. *Prerequisites: MS 300 and 352.* Algebraic structures, rings, and fields. The axiomatic approach.
442. **Abstract Algebra II (3)**. *Prerequisite: MS 441.* Introduction to group theory and related topics.
451. **Functions of a Complex Variable (3)**. *Prerequisites: MS 227 and 300 and 415.* Fundamental operations with complex numbers, differentiation and integration theorems, mappings, series, and residues.
475. **Seminar in Mathematics (3)**. *Prerequisites or corequisites for undergraduate: MS 415 or MS 441 or MS 451. Prerequisite or corequisites for graduate: MS 415 or MS 441.* Goals include examining deeply the fundamental ideas of mathematics and connections among various branches of mathematics, exploring the historical development of major concepts, and further developing the habits of mind that define mathematical approaches to problems.
480. **Introductory Topology (3)**. *Prerequisite: MS 415.* Basic topological concepts to include topological spaces, mapping, compactness, connectedness, and separation axioms.
484. **Partial Differential Equations (3)**. *Prerequisites: MS 227 and 344.* Standard methods of solution: separation of variables, Fourier Series, Laplace Transforms. Selected applications.
499. **Undergraduate Research in Mathematics (3)**. *Prerequisites: MS 302 or 304 or 415 or 441, senior standing, and permission of instructor.* A guided independent investigation of a topic outside the department's normal course offerings, to culminate in a written paper and oral presentation to the faculty.

PLANS OF STUDY
BACHELOR OF SCIENCE
MAJORS: COMPUTER SCIENCE (CS) AND
COMPUTER INFORMATION SYSTEMS (CIS)

NOTE: This schedule reflects the computer science program beginning with Calculus I (MS 125) and the computer information systems program beginning with Calculus and Its Applications (MS 120) or Calculus I (MS 125). Freshman computer science majors needing additional preparation before beginning calculus will be placed in the appropriate algebra or precalculus courses that provide this preparation. See advisor.

COMPUTER SCIENCE

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations.

FRESHMAN YEAR

Fall	Spring
CS 2013	CS 2313
CS 2303	CS 2343
EH 1013	EH 1023
Natural Science sequence 4-5	EH 1413
STU 101.....0	Natural Science sequence4-5
13-14	16-17

SOPHOMORE YEAR

Fall	Spring
CS 2323	CS 3313
CS 3043	CS 3333
MS 1254	MS 1264
History3	Hist/Social/Behav Sci #3
Fine Arts3	CS 3103
16	16

JUNIOR YEAR

Fall	Spring
CS 4883	CS 3503
MS 3023	CS 4913
CS Elective*3	MS 3523
EH Literature3	Humanities & Fine Arts #3
Social/Behavioral Science3	Social/Behavioral Science3
15	15

SENIOR YEAR

Fall	Spring
CS 4503	CS 4623
CS Elective*3	CS Elective*3
Electives 6-8	CS Elective*3
12-14	6
	15

TOTAL HOURS: 120

*Refer to specific elective requirements for each concentration
 #Either a History sequence or a Literature sequence is required.

COMPUTER INFORMATION SYSTEMS

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations.

FRESHMAN YEAR

Fall	Spring
CS 2013	CS 2313
CS 2303	CS 3093
EH 1013	EH 1023
Natural Science sequence 4-5	EH 1413
STU 101.....0	Natural Science sequence4-5
13-14	16-17

SOPHOMORE YEAR

Fall	Spring
CS 232 3	CS 3113
CS 304 3	Fine Arts.....3
MS 120 or 125..... 3-4	EC 2213
ACC 200 3	History / Social / Behav Sci#3
History3	CS 310 3
15-16	15

JUNIOR YEAR

Fall	Spring
CS 370 3	CS 3503
CS 488 3	CS 4913
CS Elective* 3	MGT 3013
EH Literature 3	Humanities & Fine Arts#3
Electives 3	CS Elective*3
15	15

SENIOR YEAR

Fall	Spring
CS 450 3	CS 4623
CS 3333	CS Elective*3
MS 302 3	FIN 3013
MKT 3013	PSY 2013
Electives 3	CS Elective*3
15	15

TOTAL HOURS: 120

*Refer to specific elective requirements for each concentration
 #Either a History sequence or a Literature sequence is required.

COMPUTER SCIENCE (CS) COURSE DESCRIPTIONS

- 201. Introduction to Information Technology (3).** A brief exposure to theory and operations of information technology. Concepts presented include computer systems, hardware and software. Hands-on experience with selected productivity software packages. (Department credit not given for CS/CIS majors and/or minors.)
- 202. Honors Introduction to Information Technology (3).** *Prerequisite: ACT score of 24 or above or SAT of 520 or above and basic computer proficiency.* Advanced coverage of the theory and operations of information technology. Hands-on experience with selected popular software packages for web and program design. (Department credit not given for CS/CIS majors or minors.)

230. **Fundamentals of Computing (3).** Lecture/1 hour; Lab/1 hour. Sets, functions, propositional logic, number systems, data representation, binary arithmetic. Problem solving tools and techniques. Control structures. Data structures. Implementation using a high-level language. (Open to any major, but required for CS/CIS majors.)
231. **Computer Programming I (3).** Lecture/2 hours; Lab/1 hour. *Prerequisites: CS 230 and overall GPA of 2.00 or higher and MS 112 or higher level mathematics or satisfactory score on the departmental placement test.* Algorithmic problem solving. Modular programming. Strings, multi-dimensional arrays, records, dynamic linked lists. Documentation. Testing and debugging. Developing robust, user-friendly programs. Integral, scheduled laboratory.
232. **Computer Programming II (3).** Lecture/2 hours; Lab/1 hour. *Prerequisite: CS 231.* Advanced problem solving. Efficiency and reuse. Abstract Data Types. Object-Oriented programming. Dynamic data structures: linked lists, queues, stacks. Recursive functions and procedures. Integral, scheduled laboratory.
234. **Discrete Computational Structures (3).** *Prerequisites: CS 230 and MS 112 or higher.* Introduction to the concepts, terminology and manipulative skills associated with combinatorial structures and logic. Sets and functions, partially ordered sets, trees and graphs, algorithms and induction. Boolean algebra and introduction to symbolic logic.
300. **Microcomputing (3).** *Prerequisite: CS 231.* Examination of micro-computers and their role in small to medium firms. Emphasis on applications, I/O operations and file handling in a laboratory environment.
302. **Database Applications (3).** *Prerequisite: CS 231.* Introduction to database management systems using a current DBMS package; development of menu-driven database applications.
304. **Technical Writing for Computer Science (3).** *Prerequisites: CS 230 and EH 102.* Introduction to the writing tasks necessary of computer technology professionals. Covers skills necessary to prepare the technical reports, presentations, and documentation specific to the information technology environment.
305. **Spreadsheet Modeling (3).** *Prerequisites: CS 201 and MS 112 or higher.* The use of spreadsheet software in modeling business problems. Extensive hands-on use of spreadsheets is required. (Department credit not given for CS/CIS majors or minors.)
307. **Management of Information Security and Forensics (3).** *Prerequisite: CS 201.* Study of information security and digital forensics using practical case studies. Emphasis is on developing security policies, security management and practices, utilization of digital forensic tools and techniques, risk management, security project management, and protection mechanisms. Major components of the course are hands-on projects on digital forensic investigation and security management case studies. (CS 307 is cross-listed with EM 325, but only one course can be counted for credit.)
308. **Embedded and Control Systems Security (3).** *Prerequisite: CS 231.* A study of embedded system architectures, security, and digital forensics; the role of hardware abstraction layers and middleware; real-time OS issues, such as concurrency, synchronization, and resource management; and the components and applications of industrial control systems. Laboratory activities include: ladder logic programming, embedded systems programming, and digital forensics for microcontrollers, mobile computing platforms, and industrial control systems.
309. **Introduction to E-Commerce (3).** *Prerequisite: CS 201.* This course focuses on a rich variety of models and strategies for connecting individuals, businesses, governments, and other organizations to each other. The topics covered in the course will span value and supply chain concepts, varying business relationship types, as well as obligations for protection of individual privacy and organizational security.
310. **Software Engineering I (3).** *Prerequisite: CS 232.* Introduction to the systems development life cycle, software development models, analysis and design techniques and tools, and validation and verification testing. Emphasis and experience will be on software engineering within a team environment.
311. **Management Information Systems (3).** *Prerequisite: CS 309.* Study of the systems concept and its relationship to information requirements for decision making and management in traditional and e-commerce environments.
312. **Software User Documentation (3).** *Prerequisites: CS 310 and EH 102.* Introduction to writing, analyzing, and evaluating effective software documentation. Exposure to proposal writing. Emphasis on writing software user manuals.
315. **Introduction to Web Design (3).** *Prerequisite: CS 201.* Step-by-step process of creating a well-designed website. Emphasizes web design techniques resulting in fast-loading and well-placed graphics, cohesive color and typography across platforms and browsers, clear navigational interface, and appropriate use of sound and video. Includes studio component where students analyze, design, and implement websites.
322. **Document Management (3).** *Prerequisite: CS 304.* Trains students to manage dynamic documents, as well as apply document imaging technologies to achieve a paperless office environment. Students will learn about the technology of scanning, importing, transmitting, organizing, indexing, storing, protecting, locating, controlling, authenticating, retrieving, viewing, printing, and preserving documents for document imaging systems and digital libraries. This course has direct implications for project management and information assurance, among other topics that will be addressed.
325. **Web Scripting (3).** *Prerequisite: CS 231 or 315.* A practical hands-on introduction to web scripting for writing client-side scripts. Topics include fundamentals of scripting as a web programming language, scripting techniques and programming concepts, such as control structures, data structure, objects, event handling and functions. Multiple scripting languages will be used for the hands-on projects.

331. **Data Structures and Algorithms (3).** *Prerequisite:* CS 232. Design, analysis, and implementation of fundamental data structures: trees, heaps, and graphs. Basic algorithmic analysis and strategies. Basic computability and introduction to distributed algorithms.
333. **Computer Organization and Architecture (3).** *Prerequisite:* CS 232. Digital logic; instruction set architecture and computer organization; memory systems; functional organization; interfacing and communication; multiprocessing and alternative architectures.
339. **Game Design I (3).** *Prerequisites:* EH 102 and CS 201 or 230. Principles of game design. Covers analysis of genres; gameplay; conceptual design; story and character development; effects of art, lighting, and sound; interface design; level design; and the business of game development.
340. **Discovering Genomics and Bioinformatics (3).** *Prerequisite:* CS 230. The course provides a fundamental background in bioinformatics, both theoretical (bioinformatics algorithms) and practical (databases and web-based tools used to study problems in biology), to students in computer science or in biological sciences. Introduction to the biological problems addressed in this course will be provided, as well as a formal definition of the computational problems and a deep exploration of the algorithms for solving these problems. Practical use of topics introduced in class is demonstrated by laboratory exercises and homework problems. Students are grouped for class projects such that each group contains at least one life scientist and one computer scientist. (CS 340 is cross-listed with BY 340, but only one course can be taken for credit.)
350. **Fundamentals of Computer Operating Systems (3).** *Prerequisite:* CS 232. Overview of operating system concepts and structures. Study of process management, including synchronization techniques for cooperating processes, main memory management, including virtual memory systems, system resource allocation and deadlocks, file system implementation, secondary storage management and input/output subsystems.
370. **COBOL for Information Systems (3).** Lecture/3 hours; Lab/1.5 hours. *Prerequisite:* CS 232. An introduction to solving business problems using structured programming techniques and methodology for both interactive and batch processing. Integral, scheduled laboratory.
399. **Study Tour (3).** Topics, excursions and requirements determined by department. May be duplicated for credit; however, only three (3) credits may be applied toward any major or minor. Infrequently scheduled and subject to minimum and maximum numbers. Advance deposit required.
400. **Business Information Management (3).** *Prerequisite:* CS 201 or equivalent. Study of terminology and concepts of computer-based management information systems. Emphasis on applications for developing and managing world-wide web page information. (Department credit not given for CS/CIS majors and/or minors.)
412. **Disaster Response and Recovery (3).** *Prerequisite:* CS 201. How people, groups, organizations, communities, and governments manage disasters in the immediate aftermath and recover from their effects, including social, physical, business, and infrastructure problems as well as intra- and inter-organizational issues. (CS 412 is cross-listed with EM 411, but only one course can be counted for credit.)
415. **Dynamic Web Application (3).** *Prerequisite:* CS 488. The course will present dynamic web based application architecture, web scripting languages syntax, principles and techniques for developing database driven web applications using multiple web scripting languages. Students will gain experience in web scripting programming via the completion of a series of practical dynamic website projects.
420. **Algorithms Design/Analysis (3).** *Prerequisite:* CS 331. Survey of design and analysis of efficient algorithms. Introduces methods of describing algorithm time and space complexity and various problem-solving techniques.
425. **Web Application Development Using Web Services (3).** *Prerequisite:* CS 310. Introduction to technologies and tools for developing web applications using Web Services, emphasizing organizational issues, challenges, and security concerns related to the effective deployment of those applications.
430. **Human-Computer Interaction (3).** *Prerequisite:* CS 232. Human-computer interface, human performance, diversity, and mental models, interaction devices, dialog styles, interface styles, error handling, documentation, and evaluation of software interface designs.
432. **Computer Graphics (3).** *Prerequisites:* CS 232 and MS 113 or equivalent. Hardware and software components of computer graphic systems, input representation, and transformation of graphic information. Two-dimensional and three-dimensional transformations; perspective, hidden-line algorithms, shading. Interactive graphics. Survey of applications.
438. **Introduction to Business Intelligence and Data Mining (3).** *Prerequisite:* CS 488. Introduction to business intelligence and data mining methodologies and tools that enable users to analyze big data and develop insight for decision making. This course provides students thorough conceptual framework and practical experience in business intelligence and related topics. Topics covered include business intelligence, data mining methods, predictive analysis, information quality and data warehousing management. Hands-on assignments will apply the skills learned.
439. **Game Design II (3).** *Prerequisites:* CS 232 and 339. Principles of game development. Covers relevant game mathematics and data structures; selected artificial intelligence topics common to game development; programming and optimization techniques; game engines; and software engineering and project management for game development.

444. **Artificial Intelligence (3).** *Prerequisite: CS 331 or 350 or permission of instructor.* An introduction to the principles and methods used in artificial intelligence programs with a focus on autonomous agents. Offered every two years during fall semester.
450. **Computer Networking (3).** *Prerequisite: CS 350.* Study of computer interconnection and protocols with emphasis on network layers, error detection/correction, data compression, and topologies. Project approach utilized.
453. **Theory of Languages and Automata (3).** *Prerequisite: CS 232.* Formal representations for language syntax, semantics, and underlying language theory. Study of automata theory: finite automata, pushdown automata, and Turing machines.
461. **Critical Infrastructure (3).** *Prerequisite: CS 201.* Identifies what constitutes critical infrastructure, including cyber as well as physical infrastructure. Evaluation of strategies for promoting vulnerability assessments and risk reduction, and protection of critical infrastructures are examined. (CS 461 is cross-listed with EM 461, but only one course can be counted for credit.)
462. **Ethics and Legal Issues (3).** *Prerequisite: CS 310 or permission of instructor.* An overview of legal, ethical, global and professional issues in computing.
464. **Honors Ethics and Legal Issues (3).** *Prerequisite: Completion of CS 310 (with "B" or above) or permission of the instructor.* This course is an advanced (honors) course that provides an overview of the legal, ethical, global and professional issues in computing. This course will enable students to identify ethical issues in technology, perform ethical analyses using a variety of ethical theories, and to critically read professional literature in the field. Students will develop an awareness of ethical issues in technology, including, but not limited to, the internet (e.g. freedom of expression on the internet), intellectual property rights, privacy, security, reliability, professional ethics, employment issues and technology, and plagiarism, and apply ethical theories to issues in those domains.
470. **Computer Security (3).** *Prerequisite: CS 350.* Study of network security architectures and models, cryptography, authentication and authorization protocols, secure application and systems development, and federal regulations and compliance. Emphasis is on security professional certification.
488. **Database Systems (3).** *Prerequisite: CS 232.* Concepts and terminology associated with data structure, file organization, access methods, packaged systems, database design and database systems.
491. **Software Engineering II (3).** *Prerequisite: CS 310.* This course is a continuation of software engineering that emphasizes the entire software process, developing and using process and product metrics, and managing software projects. Both individual and team projects will develop student expertise.
499. **Special Topics (1-6).** *Prerequisites: Senior standing and permission of department head.* Exposes student to current or developing topics in computer science or computer information systems. Projects/topics are jointly selected by student and computer science instructor. This course can be taken multiple times of variable credit hours up to a total maximum of six credit hours.

DEPARTMENT OF CHEMISTRY AND GEOSCIENCES (CYGS)

206 MARTIN HALL

Department Head: Joe Morgan
 Professor: Gryko, Hill, Holstein, Steffy, Zettili
 Associate Professor: Helms, Morgan, Weinkauff
 Assistant Professor: McGowin, Perygin, Tinnon, Tsikalas
 Assistant Visiting Professor: Martin

The Department of Chemistry and Geosciences offers a broad base and diverse spectrum of undergraduate courses in multiple fields of study. We offer majors in chemistry and geography and minors in anthropology and physics. Our departmental interests span from subatomic particles to the fate of oceans and mountains, highlighting the importance of contemporary scientific questions. In Chemistry and Geosciences, the synergy between natural and social science enables cutting edge, high-quality education.

ANTHROPOLOGY

Anthropology is a broad-based field of study. Its subject matter ranges from the analysis of primitive and modern cultures throughout the world (cultural anthropology) to the examination of ancient peoples and civilizations (archaeology) to the study of human biological evolution derived from the fossil record of Africa, Europe, and Asia (physical anthropology). Students may study anthropology to develop expertise leading to careers in archaeology or applied cultural research or to supplement a liberal arts education.

ANTHROPOLOGY (AN) COURSE DESCRIPTIONS

224. **Introduction to Anthropology (3).** Surveys the field of anthropology, including cultural anthropology, archaeology, and physical anthropology.

225. **Introduction to Archaeology (3).** A study of the history, methodology, problems, and theory of archaeology, including an outline of prehistoric cultural development in both the New and Old Worlds.
299. **Archaeology Field Techniques (3).** Introduction to techniques and theory of conducting archaeological excavation. Four days per week field experience.
344. **Principles of Archaeology (3).** An examination of the ways in which the archaeologist recovers archaeological data. Methods, theory, actual field work, and field trips to archaeological sites will be included in this course.
345. **Cultural Anthropology (3).** A global survey of the dynamics of cultural systems, including subsistence, kinship, marriage, sex and gender, politics, and religion. Covers both modern and primitive societies.
347. **Current Social Issues (3).** An examination of how anthropology offers insight into national and international problems and events. Topics include environmental issues, poverty, crime, warfare, gender, and racism.
348. **North American Indians (3).** Uses archaeological and ethnographic data to describe the diversity and ingenuity of traditional North American Indian societies and their contributions to contemporary American culture.
349. **Middle American Indians (3).** Surveys the growth and development of Indian cultures in Mexico and Central America from prehistoric times to the present.
350. **Physical Anthropology (3).** An examination of human origins covering evolutionary theory, the fossil record of human ancestry, primatology, genetics, and other pertinent topics.
361. **Anthropology of Sexual Behavior (3).** A cross-cultural survey of sexual behavior, gender roles, and male-female relations among the world's societies, including biological and cultural influences on sexual phenomena.
399. **Anthropology Study Tour (3).** *Prerequisite: AN 224 or permission of instructor.* Topics, excursions, and requirements determined by department. May be duplicated for credit; however, only three (3) credits may be applied toward any major or minor. Infrequently scheduled and subject to minimum and maximum numbers. Advance deposit required.
410. **Archaeological Field School (3).** This course is designed to provide the student field experience in methodology and techniques of archaeological data recovery. May be duplicated for credit for a total of six semester hours.
490. **Advanced Seminar in Anthropology (3).** *Prerequisite: AN 224.* An examination of current issues in anthropology. The content of this course will vary each semester. Students seeking admission must have advanced standing and secure approval of instructor. May be duplicated for credit for a total of nine semester hours.
493. **Independent Study (1).** An opportunity for students with advanced standing to engage in special research projects in anthropology. Approval of instructor and department head required. Pass/Fail grade only. May be duplicated for credit for a total of three semester hours.

CHEMISTRY (CY)

A Bachelor of Science in Chemistry prepares students for a diversity of careers. All majors complete general education and chemistry courses to satisfy the degree requirements. The Bachelor of Science degree with a major in chemistry requires an overall minimum of 120 hours with a minimum of 36 hours of 300/400 level courses. At least 12 hours of the 300/400 level courses must be taken in residence at JSU. Students must earn a "C" or better in chemistry coursework and maintain a 2.00 GPA overall and a 2.00 GPA in courses taken on campus. Once the student has met the requirements for the major, the hours remaining to complete the overall 120 hours will be classified as electives. Majors may choose a concentration from either professional chemistry with ACS Certification or applied chemistry. Students pursuing a BS in chemistry are not required to have a minor in another academic discipline.

Bachelor of Science in Professional Chemistry with the American Chemical Society Certification (ACS): This concentration is for students seeking careers as chemists or seeking admission to graduate programs in chemistry. This program is designed for the student who intends to become a professional chemist.

Bachelor of Science in Applied Chemistry: This concentration is designed for students with interests in the application of chemistry in other fields, such as pharmacology, medicine, dentistry, veterinary science, forensics, education, patent or environmental law, technical writing, art conservation, sales, marketing or management in a chemical-related industry.

To complete the chemistry degree program, the students majoring in chemistry must plan carefully, since science laboratories can cause scheduling conflicts. An advisor can alert students to potential problems and assist in minimizing such conflicts. It is recommended that the chemistry major complete the chemistry core of General Chemistry I and II, Organic Chemistry I and II, Quantitative Analysis, and Biochemistry I early in the course of study. Careful planning will facilitate the opportunity for undergraduate research.

A. Bachelor of Science in Professional Chemistry w/ ACS Certification

Requirements for the Bachelor of Science degree in professional chemistry with ACS certification are:

CY 105/107 General Chemistry I	4 hrs
CY 106/108 General Chemistry II	4 hrs

CY 231 Organic Chemistry I.....	4 hrs
CY 232 Organic Chemistry II.....	4 hrs
CY 321 Quantitative Analysis.....	5 hrs
CY 362 Biochemistry I.....	4 hrs
CY 341 Physical Chemistry I.....	4 hrs
CY 342 Physical Chemistry II.....	4 hrs
CY 411 Inorganic Chemistry.....	5 hrs
CY 421 Instrumental Analysis.....	5 hrs
CY 497 Chemistry Research.....	1 hr
CY 363 Biochemistry II or CY 430 Environmental Chemistry.....	4 hrs
Total Chemistry Hours.....	48 hrs

MS 125 Calculus I.....	4 hrs
MS 126 Calculus II.....	4 hrs
PHS 211/213 Physics for Scientists and Engineers I and Lab.....	5 hrs
PHS 212/214 Physics for Scientists and Engineers II and Lab.....	5 hrs
Total Support Course Hours.....	18 hrs

B. Bachelor of Science in Applied Chemistry

Requirements for the Bachelor of Science degree in applied chemistry are:

CY 105/107 General Chemistry I.....	4 hrs
CY 106/108 General Chemistry II.....	4 hrs
CY 231 Organic Chemistry I.....	4 hrs
CY 232 Organic Chemistry II.....	4 hrs
CY 321 Quantitative Analysis.....	5 hrs
CY 362 Biochemistry I.....	4 hrs
CY 347 Concepts of Physical Chemistry.....	4 hrs
12 hours of chemistry 300/400 electives from the following:.....	12 hrs
CY 363 Biochemistry II.....	4 hrs
CY 411 Intermediate Inorganic Chemistry.....	5 hrs
CY 421 Instrumental Analysis.....	5 hrs
CY 430 Environmental Chemistry.....	4 hrs
CY 435 Advanced Topics in Chemistry.....	3 hrs
CY 471 Toxicological Chemistry.....	3 hrs
Up to three semester hours may be taken from the following:	
CY 490 Internship.....	1 hr
CY 497 Chemistry Research.....	1 hr

Total Chemistry Hours.....41 hrs

MS 113 Precalculus Trigonometry.....	3 hrs
PHS 201/203 College Physics I.....	4 hrs
PHS 202/204 College Physics II.....	4 hrs

Total Support Course Hours.....11 hrs

CHEMISTRY MINOR. A minor in chemistry consists of a minimum of 24 hours of chemistry courses, including CY 105, 106, 107, 108, 231, 232 and an additional 8 hours of 300/400 level chemistry electives.

PLAN OF STUDY
BACHELOR OF SCIENCE
MAJOR: PROFESSIONAL CHEMISTRY WITH
AMERICAN CHEMICAL SOCIETY (ACS) CERTIFICATION

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations.

FRESHMAN YEAR

Fall	Spring
EH 1013	EH 1023
Fine Arts3	EH 1413
MS 125 4	MS 1264
CY 1053	CY 1063
CY 1071	CY 1081
STU 1010	
14	14

SOPHOMORE YEAR

Fall	Spring
CY 2314	CY 3215
PHS 2114	CY 2324
PHS 2131	PHS 2124
Literature/HY#3	PHS 2141
Elective 100+3	Literature/HY#3
15	17

JUNIOR YEAR

Fall	Spring
CY 3414	CY 342 4
Social/Behavioral Science3	Elective 300+6
Literature/HY#3	Social/Behavioral Science3
Elective 100+6	General Studies Requirement#3
16	16

SENIOR YEAR

Fall	Spring
CY 3624	Electives 100+4
CY4215	CY 363 or 4304
Elective 100+5	CY 4115
14	CY 497 1
	14

TOTAL HOURS: 120

Either a History sequence or a Literature sequence is required (12 hours required in Areas II and IV)

PLAN OF STUDY
BACHELOR OF SCIENCE
MAJOR: APPLIED CHEMISTRY

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations.

FRESHMAN YEAR

Fall	Spring
EH 1013	EH 1023
EH 141 3	Social/Behavioral Science ⁴3
MS 1133	CY 106.....3
CY 1053	CY 108.....1
CY 107.....1	Elective4
STU 101.....0	
13	14

SOPHOMORE YEAR

Fall	Spring
CY 231.....4	CY 232.....4
Elective4	CY 321.....5
PHS 201 3	PHS 2023
PHS 2031	PHS 2041
HY sequence ¹3	HY sequence ¹3
15	16

JUNIOR YEAR

Fall	Spring
Elective5	CY Elective 300+4
EH Literature ³3	EH Literature ³3
CY 3474	Fine Arts ²3
CY 362.....4	Electives 300+6
16	16

SENIOR YEAR

Fall	Spring
Electives 100+12	Electives 300+8
CY 300+ Elective4	CY Elective 300+3
16	Social/Behavioral Science ⁴3
	14

TOTAL HOURS: 120

¹Choose either HY 101 and 102 or HY 201 and 202.

²Choose from ART 202, DR 242, MU 233, or FL 101.

³Choose from EH 201, 202, 203, 204, 219, 220, 231, or 232.

⁴Choose from AN 224, EC 221, 222, GY 120, 220, PSC 100, PSY 201, 222, or SY 221.

CHEMISTRY (CY)
COURSE DESCRIPTIONS

105. General Chemistry I (3). Lecture/3 hours. *Prerequisite: Appropriate ACT/SAT score for MS 112. Concurrent enrollment in CY 107 is required.* Part I of a two-semester sequence. General chemistry for science majors, including basic principles and laws of chemistry. Topics include measurements, dimensional analysis, reaction and stoichiometry, periodicity, atomic structure, bonding and molecular structure, and an introduction to organic chemistry.

106. **General Chemistry II (3)**. Lecture/3 hours. *Prerequisite: CY 105. Concurrent enrollment in CY 108 is required.* Part II of a two-semester sequence. Continuation of CY 105. Topics include states of matter, solutions, kinetics, equilibrium, acid-base theory, thermodynamics, and electrochemistry.
107. **General Chemistry Laboratory I (1)**. Lab/3 hours. *Concurrent enrollment in CY 105 is required.* Basic principles of matter will be explored. Topics of experimentation include obtaining accurate measurements, identifying unknown substances from their physical and chemical properties, purifying matter, exploring gas laws, and performing an acid-base titration.
108. **General Chemistry Laboratory II (1)**. Lab/3 hours. *Concurrent enrollment in CY 106 is required.* Topics of experimentation include qualitative analysis, exploring reaction rates, ionic equilibria, and synthesis.
115. **Concepts of General Chemistry I (4)**. Lecture/3 hours. Lab/3 hours. *Prerequisite: Appropriate ACT/SAT score for MS 112.* Part I of a two-semester sequence. General chemistry for students who are not planning to take any higher level courses in chemistry. This course in the basic principles and laws of chemistry is designed to cover a broad range of topics. Topics include measurements, the periodic table, ionic and covalent compounds, chemical reactions, energy changes, gases, liquids and solids, acids and bases and nuclear chemistry.
116. **Concepts of General Chemistry II (4)**. Lecture/3 hours. Lab/3 hours. *Prerequisite: CY 115.* Part II of a two-semester sequence. General chemistry for students who are not planning to take any higher level courses in chemistry. This course is the second semester in the basic principles and laws of chemistry. Topics include organic molecules, functional groups, molecular configurations, aldehydes and ketones, carboxylic acids and derivatives, neurotransmitters, and metabolism.
231. **Organic Chemistry I (4)**. Lecture/3 hours. Lab/3 hours. *Prerequisite: CY 106.* Part I of a two-semester sequence. Structure and properties of aliphatic hydrocarbons and their halo derivatives, emphasizing nomenclature, isomerism, synthesis, reactions, mechanisms and applications.
232. **Organic Chemistry II (4)**. Lecture/3 hours. Lab/3 hours. *Prerequisite: CY 231.* Part II of a two-semester sequence. Structure and properties of aromatic compounds, halides, carbonyl compounds, alcohols, ethers and amines, their nomenclature, synthesis, reactions, mechanisms, spectroscopy and applications.
321. **Quantitative Analysis (5)**. Lecture/3 hours. Lab/6 hours. *Prerequisites: CY 106 and 108.* Theory and practice of gravimetric, volumetric, potentiometric, and colorimetric methods of analysis.
341. **Physical Chemistry I (4)**. Lecture/3 hours. Lab/3 hours. *Prerequisites: CY 106, MS 125, PHS 211 and 212 are required.* Chemical thermodynamics with emphasis on understanding physical properties of pure substances and mixtures. The course covers fundamentals of classical thermodynamics with applications to phase transitions, colligative properties, and chemical equilibria.
342. **Physical Chemistry II (4)**. Lecture/3 hours. Lab/3 hours. *Prerequisites: CY 106, CY 341, MS 126, PHS 211 and 212 are required.* Fundamentals of quantum chemistry and spectroscopy. The course concentrates on fundamentals of quantum mechanics with applications to chemistry. The course also covers theoretical basis of spectroscopy, focusing on infrared, Raman, visible, and nuclear magnetic resonance techniques.
347. **Concepts of Physical Chemistry (4)**. Lecture/3 hours. Lab/3 hours. *Prerequisites: MS 113, PHS 202, and CY 106.* This algebra-based course covers fundamentals of chemical thermodynamics and molecular structure with emphasis on life-science applications.
362. **Biochemistry I (4)**. Lecture/3 hours. Lab/3 hours. *Prerequisite: CY 231.* Biochemical evolution, protein structure and function, flow of genetic information, enzymes, and enzyme kinetics.
363. **Biochemistry II (4)**. Lecture/3 hours. Lab/3 hours. *Prerequisite: CY 232 and 362.* Metabolism, signal transduction, glycolysis and gluconeogenesis, citric acid cycle, oxidative phosphorylation, photosynthesis, glycogen and fatty acid metabolism.
411. **Intermediate Inorganic Chemistry (5)**. Lecture/3 hours. Lab/6 hours. *Prerequisites: CY 106, 232, and PHS 202.* Fundamental topics in inorganic chemistry, including atomic structure, chemical bonding, periodic relationships, acid-base theories, non-aqueous solvents, and reaction mechanisms.
421. **Instrumental Analysis (5)**. Lecture/3 hours. Lab/6 hours. *Prerequisites: CY 106, 321, and PHS 202 or PHS 212.* The operating principles and techniques involving the use of analytical instruments.
430. **Environmental Chemistry (4)**. Lecture/3 hours. Lab/3 hours. *Prerequisites: CY 232 and 321.* Introduction to water, air, and soil quality and their measurements. Introduction to the problems, regulations, treatment, and ultimate disposal of hazardous and toxic waste materials. Spill clean-up, groundwater transport, land disposal, incineration, and treatment technologies are discussed.
435. **Advanced Topics in Chemistry (3)**. *Prerequisite: CY 232.* Advanced study of various topics in chemistry and chemistry related fields. This course is intended to be offered once per year, and topic selections will vary from year to year. See instructor. May be duplicated for credit for a total of 12 semester hours.
471. **Toxicological Chemistry (3)**. Lecture/3 hours. *Prerequisite: CY 232.* A study of the principles of toxicology, including identification of, characterization of, and risk from environmental exposures to toxic substances.
490. **Internship (1)**. *Prerequisite: Consent of instructor and availability of placement.* Student will gain on-the-job experience with a firm or government agency. Student is expected to devote a minimum of 20 hours/week to this course. Pass/Fail grade only.

497. Chemistry Research (1). *Prerequisite: Permission of instructor.* The student is assigned a simple piece of fundamental research. May be duplicated for credit for a total of three semester hours. Pass/Fail grade only.

GENERAL SCIENCE (GS)

191. Special Topics in Science (1). *Prerequisite: Approval of Dean of School of Science.* May be taken twice for maximum of two credit hours.

GEOGRAPHY (GY)

Geography serves as a bridge between the physical and social sciences. Emphasis is on the nature and distribution of environmental systems, human activities, relations between them, and their variation from place to place. Geography’s uniqueness is not derived from the subject matter studied, but from the discipline’s technical and methodological approach to the locational analysis of phenomena.

The Bachelor of Science in Geography degree offered by the Department of Chemistry and Geosciences requires an overall minimum of 120 semester hours with a minimum of 36 hours of 300/400 level courses. At least 12 hours of 300/400 courses must be taken in residence at JSU. Students must earn a “C” or better in geography coursework and maintain a 2.00 GPA overall and a 2.00 GPA in courses taken on campus. Once the student has met the requirements for the major, the hours remaining to complete the overall 120 hours will be classified as electives. The major requires 35 hours of Geography, including 21 hours of 300/400 level geography courses (this includes GY 307). Any hours remaining to meet the 120 hour minimum will be classified as electives.

Geography Major. Students should work closely with an advisor in selecting electives appropriate to their goals.

GY 208 - Map Reading	3
GY 220 - Human Geography	3
GY 250 and 251 - Physical Geography and Labs (252, 253) OR	
GL 241 and 242 - Physical and Historical Geology and Labs (243, 244)	8
GY 307 - Geographic Information Systems	3
GY Electives - 300/400 Level	21
Total Hours	38

Geography Minor. A minor in Geography requires a minimum of twenty-three (23) semester hours and must include the following courses:

GY 120 or 220	3
GY 250/252 and 251/253 or GL 241/243 and 242/244	8
GY 208	3
GY Electives - 300/400 Level	9

PLAN OF STUDY

**BACHELOR OF SCIENCE
MAJOR: GEOGRAPHY**

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations.

FRESHMAN YEAR

Fall	Spring
EH 101	EH 102
MS 110 or higher	EH 141
GY 250	MS 204
GY 252	GY 251
Social/Behavioral Science ⁵	GY 253
STU 101	
_____	_____
13	13

SOPHOMORE YEAR

Fall	Spring
Literature/HY [#]3	Literature/HY [#]3
Fine Arts3	GY 2203
Social/Behavioral Science.....3	CS 201 or higher3
GY 2083	Elective 100+3
Science Elective w/Lab 4	GY 3073
16	15

JUNIOR YEAR

Fall	Spring
HY or Literature [#]3	General Studies Requirement [#]3
GY Elective 300+9	GY Elective 300+3
Elective 300+4	Electives 300+10
16	16

SENIOR YEAR

Fall	Spring
GY Elective 300+3	GY Electives 300+6
Electives 12	Electives 300+10
15	16

TOTAL HOURS: 120

[#]Either a History sequence or a Literature sequence is required (12 hours in area II and IV).

GEOGRAPHY (GY) COURSE DESCRIPTIONS

- 120. **World Regional Geography (3).** This course examines major world regions, each the unique result of interaction between an environmental setting and human social and economic activity.
- 208. **Map Reading (3).** An introduction to basic map reading and analysis involving symbol identification, coordinate location, and direction and distance measurement. Emphasis is upon using the topographic map.
- 210. **Earth and Space Science (3).** The study of earth systems, including weather, climate, the lithosphere, soils and biomes.
- 220. **Human Geography (3).** The study of social and cultural patterns, emphasizing the arrangement and diversity of economic, social, political, religious, and demographic culture traits.
- 250. **Physical Geography I: Atmospheric Patterns and Processes (3).** *GY 252 is required, but not concurrently.* Study of the function and distribution of the interrelated processes that shape Earth's weather and the classification and distribution of Earth's climates.
- 251. **Physical Geography II: Landscape Patterns and Processes (3).** *GY 253 is required, but not concurrently.* Study of Earth's soils, biomes and physiographic regions with emphasis on the processes that formed them and their global patterns.
- 252. **Physical Geography Laboratory I (1).** *GY 250 is required, but not concurrently.* One two-hour lab per week. Experiments focus on weather, energy and moisture budgets, and climatic classification.
- 253. **Physical Geography Laboratory II (1).** *GY 251 is required, but not concurrently.* One two-hour lab per week. Exercises focus on study of the physical properties of soils, the analysis of biomes, the use of topographic maps to identify land surface features and the identification of physiographic regions.
- 302. **Principles of Remote Sensing (3).** *Prerequisite: GY 208.* An introduction to the electromagnetic spectrum, aerial photography and aerial photo interpretation and mapping.
- 307. **Geographic Information Systems (3).** *Prerequisite: GY 208.* Introduction to the cartographic acquisition, processing, management, manipulation, analysis, and generation of spatial digital data in a Geographic Information System.
- 320. **Political Geography (3).** A study of the spatial aspects of political phenomena from the international to the local scale. Suggested background: GY 220.

331. **Climatology (3).** A study of climates, how they are classified, and their effect upon human activity.
333. **Meteorology (3).** *Recommended: GY 250.* The study of weather types and their causes, weather instrumentation, the construction and interpretation of weather maps, analog and synoptic forecasting, and weather modification.
341. **Economic Geography (3).** A survey of the factors which influence the location of economic activities with emphasis on the application of various elementary techniques designed to determine the relative economic potential of any place.
351. **Advanced Regional Study (3).** Examination of the interrelations among various physical and cultural elements that make regions of the world distinctive. Regional focus varies. See instructor. May be duplicated for credit for a total of 12 semester hours.
352. **Geomorphology (3).** Prerequisites: GL 241 or GY 251. Geomorphology examines processes that have shaped, and continue to shape, the landscape around us. Resulting landforms and the forces involved are explored using both qualitative and quantitative methods. This course considers issues such as land use and land cover, and the ongoing interaction between human activity and geomorphic processes in the local region. Landforms and processes are analyzed at various temporal and spatial scales, and in terms of relevant theories and principles.
361. **Geography of the Arab World (3).** This course employs a macro geographical (regional and systematic) approach that introduces the students to the process of social and political change in the Arab World. The focus will be on the political, social, environmental and economic positions and interaction of the major players within the region. We look at the complexity of the region and its historical-cultural specifics. From a geopolitical perspective, we survey recent socioeconomic and political exchanges and look at events that have begun to transform the contemporary Arab World, most notably the "Arab Spring" and the uprisings of summer and fall of 2012, and how these events are precursors to continued change.
398. **National Parks Interpretation (3).** Students will receive intensive training preparing them to work as student interns at Little River Canyon National Preserve. Several days of travel to Little River Canyon will be required.
399. **Geography Study Tour (3).** *Permission of instructor required.* Topics, excursions, and requirements determined by department. May be duplicated for credit; however, only three (3) credits may be applied toward any major or minor. Infrequently scheduled and subject to minimum and maximum numbers. Advance deposit required.
401. **Practicum in Geography (3).** *Permission of instructor required.* This course provides opportunity to gain on-the-job experience with a firm or government agency. May be duplicated for credit for a total of six semester hours. Pass/Fail grade only.
403. **Independent Study (1).** *Permission of instructor required.* This course gives the advanced student opportunity to pursue directed research. May be duplicated for credit for a total of three semester hours. Pass/Fail grade only.
406. **Digital Image Analysis (3).** *Prerequisite: GY 302.* Advanced instruction in multi-spectral, thermal and microwave sensing of the geographic environment. Emphasis on analysis of digital imagery.
407. **Geomorphology (3).** This course covers the erosional, transportation, and depositional processes responsible for shaping Earth's surface. Specifically, the course reviews hydrologic geomorphology (surface water, groundwater, and glacial ice), aeolian and desert geomorphology, plate tectonics, volcanism, and hillslope processes, such as landslides and avalanches.
431. **Topics in Physical Geography (3).** Advanced geographic study of various facets of the natural environment. Topic selection varies. See instructor. May be duplicated for credit for a total of 12 semester hours.
451. **Advanced GIS (3).** *Prerequisites: GY 307 and permission of instructor required.* Advanced training in selected geographic techniques. Topic selection varies. See instructor. May be duplicated for credit for a total of 15 semester hours.
453. **Analyzing Spatial Networks (3).** *Prerequisite: GY 307.* Introduction to topology theory and its employment in GIS network analysis. Emphasis on methods of determining efficient paths, modeling network flows, and creating efficient service areas for organization entities.
454. **Site Location Analysis (3).** *Prerequisite: GY 307.* Emphasis on evaluating existing site location efficiencies, determining of appropriate point site and area site locations for organizational entities, and analyzing environmental impact analyses using GIS.
455. **Organization and Management of Spatial Systems (3).** *Prerequisite: GY 307.* Fundamentals of GIS implementation and GIS management. Consideration in designing organization-wide GIS and the management of both special projects and organization-wide use of GIS.
456. **Spatial Data Layout and Display (3).** *Prerequisite: GY 307.* Fundamentals of map composition and layout, chart creation, data classification, and map design to produce meaningful maps and charts of the results of spatial analysis.
459. **Spatial Data Collection and Management (3).** *Prerequisite: GY 307.* Methods of capturing data, acquiring and importing existing spatial data into geographic information systems, deriving spatial information from remotely sensed data, and storing spatial data.
466. **Topics in Cultural Geography (3).** Advanced geographic study of various facets of human culture. Topic selection varies. May be duplicated for credit for a total of 12 semester hours.

475. **Natural Hazards (3).** *Prerequisites: GY 250 and 251 or GL 241.* An introduction to natural hazards, their causes, distribution and impacts. Focus on human perception, vulnerability and risk analysis.
490. **Colloquium (1).** *Prerequisite: A completed piece of research must be submitted prior to enrollment in this course.* Results of a basic research project in geography are presented in a conference setting using PowerPoint or equivalent software. Permission of instructor required. Pass/Fail grade only.

GEOLOGY (GL)

A two-semester sequence of geology is offered which can be used to meet the university general studies natural science requirement. Students interested in earth science are encouraged to consider a major/minor in geography.

GEOLOGY (GL) COURSE DESCRIPTIONS

241. **Physical Geology (3).** *GL 243 is required, but not concurrently.* Modern concepts of the Earth's physical composition, crustal structures, and the internal/external forces acting on them.
242. **Historical Geology (3).** *GL 244 is required, but not concurrently.* Study of the Earth's evolution, including changes in its crust, surface features, atmosphere, and life forms.
243. **Physical Geology Lab (1).** *GL 241 is required, but not concurrently.* One two-hour lab per week. Emphasis on rock/mineral identification and the study of landforms through topographic and geologic map interpretation.
244. **Historical Geology Lab (1).** *GL 242 is required, but not concurrently.* One two-hour lab per week. Study of Earth history using geologic maps and the fossil record of plant and animal development.

PHYSICS (PHS)

Jacksonville State University offers a minor in physics. Students in the sciences, mathematics and computer science will find this program a valuable complement to their majors.

PHYSICS MINOR. Requirements for a minor in physics include PHS 211, 213, 212, 214, 301 and nine hours in physics 300+. These courses will be selected in conference with a physics program advisor.

PHYSICS (PHS) COURSE DESCRIPTIONS

COURSES WITH NO PHYSICS OR MATH PREREQUISITES

327. **Elementary Radiation Physics (3).** This course is intended for any student interested in radiation safety and specifically for students in physics, chemistry, pre-medicine, pre-dentistry, nursing, biology, and archaeology. The course objective is to provide individuals with the knowledge and procedures necessary to minimize exposures to ionizing and non-ionizing radiation and to understand the physiological and environmental effects of radiation. Instruction will include lectures, discussions, demonstration, and laboratory exercises.
350. **Physics in Music (3).** This course will explore the physics involved in music. A variety of questions with sound and music will be explored. What physical properties can be used to describe sound? How do musical instruments produce sound? What are the physical reasons that instruments playing the same note sound different? How does sound travel through space? Why does your voice sound so different on a recording? Students will be encouraged to generate and explore their own questions. Some class periods will be devoted to a hands-on look at ideas. This course is designed to be descriptive in nature rather than highly mathematical. No math or physics prerequisites.
371. **Astronomy (4).** Lecture/3 hours. Lab/3 hours. A survey of the structure and evolution of the universe, from planets to stars and galaxies. Questions about the nature of science, limits to current knowledge, and the influence of space science will be addressed. The course culminates in individual in-depth explorations of particular aspects of astronomy.

INTRODUCTORY PHYSICS COURSES AND THEIR MATH PREREQUISITES

201. **College Physics I (3).** *Prerequisite: MS 113 or 117. Concurrent enrollment in PHS 203 is required.* This course is the first half of a two-semester sequence that introduces basic concepts in physics. Beginning with mechanics and motion, we develop methods for mathematically describing the way objects move and predicting their future movement. The course proceeds to study wave motion with springs, strings, water, sound, and light. Does not count toward the physics minor. Credit will not be granted for both PHS 201 and 211.
202. **College Physics II (3).** *Prerequisite: PHS 201 and either MS 113 or 119. Concurrent enrollment in PHS 204 is required.* The second half of this sequence of courses begins by studying electricity and basic circuits, followed by magnetism. A section on light, including lenses and mirrors, follows. The behavior of light waves, such as rainbows and soap bubbles, will also be explored. Finally, topics from quantum mechanics and special relativity are introduced to give students a flavor of the revolutionary nature of these topics in their original scientific setting. Does not count toward the physics minor. Credit will not be granted for both PHS 202 and 212.

203. **College Physics Lab I (1).** *Concurrent enrollment in PHS 201 is required.* Two laboratory hours each week. Concepts of physics developed in the associated courses will be studied through the use of hands-on activities. Students will work in groups to explore topics in motion, mechanics, waves, and sound. Does not count toward the physics minor.
204. **College Physics Lab II (1).** *Concurrent enrollment in PHS 202 is required.* Two laboratory hours each week. Concepts of physics developed in the associated courses will be studied through the use of hands-on activities. Students will work in groups to explore topics in electricity, magnetism, optics, and modern physics. Does not count toward the physics minor.
211. **Physics for Scientists and Engineers I (4).** *Prerequisite: MS 125. Concurrent enrollment in PHS 213 is required.* This course is the first of two semesters designed to introduce the basic concepts of physics. The first semester will concentrate on the area of physics called Newtonian mechanics that is used to work with macroscopic (ordinary-sized) objects. Beginning with mechanics and motion, we develop methods for mathematically describing the way objects move and predicting their future movement. The course proceeds to study wave motion with springs, strings, water, sound, and light. We will take advantage of the power of calculus to depict movement by weaving its structure into our physical laws and theories. Since the development of both calculus and Newtonian mechanics by Sir Isaac Newton, calculus and physics have been intertwined, and students in this course will see these close connections. Credit will not be granted for both PHS 201 and 211.
212. **Physics for Scientists and Engineers II (4).** *Prerequisites: PHS 211 and MS 126. Concurrent enrollment in PHS 214 is required.* The second semester of this sequence begins by studying electricity and basic circuits, followed by magnetism. A section on light, including lenses and mirrors, follows. The behavior of light waves, such as rainbows and soap bubbles, will also be explored. Finally, topics from quantum mechanics and special relativity are introduced to give students a flavor of the revolutionary nature of these topics in their original scientific setting. Once again, calculus will be used throughout the course. Credit will not be granted for both PHS 202 and 212.
213. **Elementary Laboratory Techniques I (1).** *Concurrent enrollment in PHS 211 is required.* Two laboratory hours each week. Concepts of physics developed in the associated courses will be studied through the use of hands-on activities. Students will work in groups to explore topics in motion, mechanics, waves, and sound.
214. **Elementary Laboratory Techniques II (1).** *Concurrent enrollment in PHS 212 is required.* Two laboratory hours each week. Concepts of physics developed in the associated courses will be studied through the use of hands-on activities. Students will work in groups to explore topics in electricity, magnetism, optics, and modern physics.

COURSES FOR WHICH PHS 202 OR 212 ARE PREREQUISITES

383. **Special Topics (3).** This course will explore a topic of current interest in the field of physics. May be taken twice for a total of six semester hours.

COURSES FOR WHICH PHS 211, 213, 212, AND 214 ARE PREREQUISITES

301. **Modern Physics (3).** Explore the two 20th century revolutions in physics: quantum mechanics and special relativity. We will study the evidence that led to the acceptance of each of these theories and some of the implications of these theories. Both quantum mechanics and relativity have become part of the popular culture. This course offers the opportunity to understand their ideas in their original context and see how popular culture usage differs from scientific usage.
303. **Classical Mechanics (3).** This course investigates various aspects of classical mechanics, including kinematics and dynamics of motion, rigid bodies, oscillatory motion, central forces and gravitation, and Lagrangian and Hamiltonian formulations of classical mechanics.
343. **Electromagnetism I (3).** *Additional prerequisite: MS 227.* Electric and magnetic fields will be studied. What are their origins? What features of nature affect the nature and strength of the fields? What are some of their effects? Maxwell's equations uniting all of electricity and magnetism will be seen in their full glory.
491. **Quantum Mechanics I (3).** *Additional prerequisites: PHS 301 and MS 344.* This course extends the investigation of quantum mechanics begun in PHS 301 to include the full mathematical development of the theory. Basic tools, including linear operators and matrices, will be used to explore physical systems, such as a particle in a box, a linear harmonic oscillator, the hydrogen atom, and a one-dimensional crystal.

DEPARTMENT OF LEARNING SKILLS

HOUSTON COLE LIBRARY BASEMENT

Department Head: Courtney Peppers-Owen
Instructor: Beckett, Gladen, Kirk, White

Learning skills courses assist students in developing their basic academic skills and their reasoning and studying skills. General, elective academic credit is awarded for successful completion of learning skills courses.

**LEARNING SKILLS (LS)
COURSE DESCRIPTIONS**

- 101. Fast Track Lab (0).** This zero-credit lab is mandatory for students who have been conditionally accepted to JSU through the Fast Start Academy. The learning environment in the laboratory will be individualized and mastery-based for additional instruction in the areas of algebra, writing, reading, and first-year success. The objectives of this lab are tied to the two courses offered in the Fast Start Academy, MS 100 Intermediate Algebra and LS 104 Academic Success Skills.
- 103. Reinforcing Reading Skills (3).** Individualized development of reading and thinking skills.
- 104. Academic Success Skills (3).** Individualized freshman seminar providing supportive guidance in study skills, problem-solving, decision-making, and college adjustment. Open to freshmen only. Required for all conditionally admitted students. GRADES: A, B, C, NC.
- 106. Algebra Emporium (0).** Effective fall semester 2015, this zero-credit emporium is a mandatory laboratory for students who have received an "NC" in MS 100. The learning environment in the laboratory will be individualized and mastery-based to enable students to prepare for their first general education mathematics course. Prior to the beginning of the next semester or term after an "NC" in MS 100, students must register for LS 106 and remain in the laboratory until they have mastered the objectives of MS 100, including, if necessary, subsequent semesters or terms until the objectives have been met.
- 108. Finite Emporium (0).** Effective fall semester 2017, this zero-credit emporium is a mandatory laboratory for students who have received an "NC" in MS 107. The learning environment in the laboratory will be individualized and mastery-based to enable students to prepare for MS 110 Finite Mathematics. Prior to the beginning of the next semester or term after an "NC" in MS 107, students must register for LS 108 and remain in the laboratory until they have mastered the objectives of MS 107, including, if necessary, subsequent semesters or terms until the objectives have been met.
- 130. Critical Thinking Skills (3).** Individualized development of higher order thinking skills needed for academic study and career success.
- 301, 302, 303. Academic Performance Management (1-3).** *Prerequisite: Permission of instructor.* Realizing that fellow students can be effective teachers, the university offers academic credit to qualified students who serve as learning assistants in selected areas. Each section may be duplicated up to three times for a total of three, six, and nine hours for each course, respectively.

DIVISION OF STUDENT AFFAIRS

102 BIBB GRAVES HALL

Vice President for Student Affairs: Timothy B. King

The Division of Student Affairs offers seven elective courses aimed at leadership and career development. Students have an opportunity to apply for participation in the Peer Educators Program and GO Leaders Program for leadership development. All students are eligible to take career development courses.

**STUDENT AFFAIRS (STU)
COURSE DESCRIPTIONS**

- 101. First Year Experience Course (0).** All students with less than 24 earned hours must take STU 101: First-Year Experience Course. Students will achieve course objectives related to their overall adjustment to being a successful student at JSU. Topics discussed include how to: declare a major and develop a relationship with an academic advisor; understand components of MyJSU; know and understand JSU policies; participate in the summer reading program; learn and become active in JSU activities for students; understand and develop appropriate behavior for a college student; become familiar with student services; and acquire knowledge and skills necessary to prosper as a JSU student. Students 24 years of age or older are not required to take this class.
- 120. Career Planning (1).** Individualized instruction in self-analysis of abilities, achievements, and interests to develop career goals and plans. Various career opportunities will also be explored.
- 210. Resident Assistant Seminar (2).** All first-time resident assistants must take STU 210. This course examines residential living and the role of the resident assistant in guiding students through the transition to the university and assisting them in becoming successful members of the community. Resident assistants will learn to facilitate community development, academic and personal growth, leadership development, and resident accountability.
- 211. Leadership House for Women Seminar I (1).** This course combines academics with outside-of-the-classroom learning. Students will live together and evaluate leadership and personal development. The course will incorporate readings, in-class and online discussions, service learning, group work, simulations, critical reflections, and lectures to expose students to a wide range of leadership concepts and models. Students will examine leadership on three levels: self-leadership, collaborative leadership, and leadership for change within the

community. Over the course of the semester, each student will develop their philosophy of leadership and engage in the practice of socially responsible leadership.

- 212. Leadership House for Women Seminar II (1).** This course combines academics with outside-of-the-classroom learning. Students will live together and evaluate leadership and personal development. The course will incorporate readings, in-class and online discussions, service learning, group work, simulations, critical reflections, and lectures to expose students to a wide range of leadership concepts and models. Students will examine leadership on three levels: self-leadership, collaborative leadership, and leadership for change within the community. Over the course of the semester, each student will develop their philosophy of leadership and engage in the practice of socially responsible leadership.
- 304. Para Professional Training (3).** This course includes the choice of one of two training modules. One option involves training for students serving as peer educators in tutoring or assisting other students with life adjustment issues, such as drug and alcohol abuse and sexual harassment. The second option involves training for students serving as orientation peer counselors in knowledge of self, campus, orientation consumers, listening skills, public speaking, and decision making.
- 306. Advanced Para Professional Training (3).** This course includes the option of one of two training modules. The first option involves advanced training for students serving as peer educators in tutoring or assisting other students with life adjustment issues, such as drug and alcohol abuse and sexual harassment. The second option involves advanced training for students serving orientation leaders. Gives students opportunity to enhance leadership, organizational, and human relations skills through supervisory responsibilities.

COOPERATIVE EDUCATION PROGRAM

Cooperative education is a structured educational strategy integrating classroom studies with learning through productive paid work experiences in a field related to the student's academic or career goals. It provides progressive experiences in integrating theory and practice. Co-Op brings together the university, the business and professional community, and students in a collaborative effort with specified responsibilities for each party. Academic credit is not awarded for participation in the cooperative education program, unless coordinated and approved by the academic department.. A pass/fail notation is entered on the transcript upon completion of the semester's work experience.

In order to qualify for cooperative education, a student must meet the following qualifications:

1. The student must satisfactorily complete a minimum of 24 semester hours prior to entering the program. Employers may suggest a lower minimum hour requirement.
 2. The student must meet and maintain a 2.50 (4.00 scale) grade point average. Employers may establish higher GPA requirements.
 3. The student must have the recommendation of 2 professors and a completed application in the Career Services Office. The application may be completed online at <http://www.jsu.edu/careerservices/coop-internships/application.html>. To speak with someone about the cooperative education program, contact the Career Services Office at 256-782-5482 or visit http://www.jsu.edu/careerservices/students/student_co_op.html. To be considered for a co-op position, a student must apply for the position and follow through on the required selection process, typically to include an interview. Upon approval of the cooperative education coordinator and the employer, the student will register for the following alternating or parallel cooperative education courses. All co-op positions may be found online in JLink: <https://www.jsu.edu/symplicity.com>
- CEA-001 Through 012. Alternating Co-Op Education (0)** Cooperative education experience of full-time employment (approximately 40 hrs./week) is equivalent to full-time student status, with the exception of financial aid. (Contact Student Financial Services for additional information.)
- CEP-001 Through 012. Parallel Co-Op Education (0)** Cooperative education experience of part-time employment (15-30 hrs./week) in an approved Co-Op position while enrolled in a minimum of six semester hours.

JACKSONVILLE STATE UNIVERSITY ADMINISTRATIVE STRUCTURE

BOARD OF TRUSTEES

TRUSTEE NAME	DISTRICT	TERM
THE HONORABLE KAY IVEY	Governor of Alabama	President Ex Officio
SENATOR VIVIAN DAVIS FIGURES	First	2012-2023
MS. GALE SAXON MAIN	Second	2012-2023
MR. WILLIAM RONALD SMITH (Chair)	Third	2004-2016
MR. GREG BROWN	Third	2016-2021
MR. CLARENCE W. DAUGETTE III	Fourth	2012-2023
MR. RANDALL JONES	Fifth	2008-2015
MR. RUSTY FULLER	Sixth	2016-2019
MR. THOMAS W. DEDRICK, SR. (Vice Chair)	Seventh	2008-2019
MR. RANDY OWEN	At Large	2000-2024
MR. TONY INGRAM	Out of State, At Large	

PRESIDENT

JOHN M. BEEHLER, Ph.D., CPA

PRESIDENT'S CABINET

DR. REBECCA TURNER	<i>Provost and Vice President for Academic Affairs</i>
MR. JAMES BRIGHAM	<i>Vice President for Finance and Administration/CFO</i>
DR. CHARLES LEWIS	<i>Vice President for University Advancement</i>
DR. TIM KING	<i>Vice President for Student Affairs</i>
MR. GREG SEITZ.....	<i>Athletic Director</i>
DR. DON KILLINGSWORTH	<i>Chief Government Relations and Community Engagement Officer</i>
MR. SAMUEL H. MONK II.....	<i>Legal Counsel</i>
DR. HEIDI LOUISY	<i>Chief Human Resources & Diversity Officer</i>

UNIVERSITY EXECUTIVE COUNCIL

DR. REBECCA TURNER	<i>Provost and Vice President for Academic Affairs</i>
MR. JAMES BRIGHAM	<i>Vice President for Finance and Administration/CFO</i>
DR. CHARLES LEWIS	<i>Vice President for University Advancement</i>
DR. TIM KING	<i>Vice President for Student Affairs</i>
MR. GREG SEITZ.....	<i>Athletic Director</i>
MR. SAMUEL H. MONK II.....	<i>Legal Counsel</i>
DR. HEIDI LOUISY	<i>Chief Human Resources and Diversity Officer</i>
MR. JIM BRIGHAM.....	<i>Chief Audit, Operations and Strategy Officer</i>
DR. JOE WALSH.....	<i>Vice Provost</i>
DR. STACI STONE	<i>Dean, School of Arts and Humanities</i>
DR. BILL FIELDING.....	<i>Dean, School of Business and Industry</i>
DR. TOMMY TURNER	<i>Interim Dean, School of Education</i>
DR. CHRISTIE SHELTON	<i>Dean, School of Health Professions and Wellness</i>
DR. MAUREEN NEWTON	<i>Dean, School of Human Services and Social Sciences</i>
DR. TIM LINDBLOM.....	<i>Dean, School of Science</i>
MR. JOHN-BAUER GRAHAM.....	<i>Dean, Houston Cole Library</i>
DR. DON KILLINGSWORTH	<i>Chief Government Relations and Community Engagement Officer</i>
MR. VINSON HOUSTON	<i>Chief Information Officer</i>
MR. TIM GARNER.....	<i>Chief Marketing Officer</i>
MS. SARAH CUSIMANO MILES	<i>Faculty Senate President</i>
MR. RANGER RUMRILL	<i>SGA President</i>

EMERITI FACULTY AND ADMINISTRATION

ABERCROMBIE, JERALD, B.S., M.S., Ph.D.	<i>Professor Emeritus</i>
ADAMS, KENNETH, A.B., Ph.D.	<i>Professor Emeritus</i>
AKERS, RON T., B.S., M.A., Ed.D.	<i>Professor Emeritus</i>

ALLEN, JAMES B., JR., B.S., M.S., M.Ed., Ph.D.	Associate Professor Emeritus
ANDERSON, CARL H.C., B.M., M.M.	Professor Emeritus
ARMSTRONG, RICHARD, B.A., M.M., Ph.D.	Professor Emeritus
ARMSTRONG, STEPHEN, B.A., M.Ed., Ph.D.	Professor Emeritus
AVENI, ADRIAN, A.B., M.S., Ph.D.	Professor Emeritus
BARRY, HUBERT G., B.S., M.A.	Assistant Professor Emeritus
BAUCOM, THOMAS B.A., M.A., Ph.D.	Professor Emeritus
BELL, M. RICHARD, B.S., M.S.	Instructor Emeritus
BENNETT, VELDON J., B.A., M.A., Ph.D.	Department Head Emeritus
BERRY, WILBUR G., B.S., M.A.	Department Head Emeritus
BITGOOD, STEPHEN C., B.S., M.A., Ph.D.	Professor Emeritus
BLANTON, RAYMOND E., B.A., M.A., Ph.D.	Professor Emeritus
BORSTORFF, PATRICIA, B.A., M.A., M.A., Ph.D.	Professor Emerita
BOYDSTON, RITA C., B.S., M.S.Ed., Ph.D.	Associate Professor Emerita
BRANNEN, RALPH N., B.S., M.A., Ph.D.	Professor Emeritus
BROWDER, GLEN, B.A., M.A., Ph.D.	Professor Emeritus
BROWN, SAMUEL B., B.M., M.M., D.M.A.	Professor Emeritus
BRUER, THOMAS F., B.S., M.A., Ph.D.	Professor Emeritus
CADWALLADER, DIANA, B.F.A., M.F.A.	Professor Emerita
CAIN, LINDA, B.A., M.L.S.	Assistant Professor Emerita
CALDWELL, RONALD J., B.S., M.A., Ph.D.	Professor Emeritus
CAMP, GAIL, B.S.N., M.S.N., Ed.D.	Professor Emerita
CARR, WILLIAM, B.A., M.B.A., Ph.D.	Dean Emeritus
CHANDLER, JERRY, B.A., M.P.A.	Assistant Professor Emeritus
CHANDLER, LINDA N., B.S., M.A.	Professor Emerita
CHILDRESS, DAVID T., B.A., M.A., Ph.D.	Professor Emeritus
CLAEREN, WAYNE H., B.A., M.A., Ph.D.	Professor Emeritus
COBB, RICHARD, B.A., M.B.A., Ph.D.	Department Head Emeritus
COLLINS, MYRTICE, B.S., M.S., Ed.D.	Professor Emerita
COPELAND, DAVID, M.B.A.	Director Emeritus
COPELAND, MARGARET, B.S.Ed., M.S.Ed., M.A.	Instructor Emerita
COSPER, PAULA M., B.S., M.S.N.	Instructor Emerita
COX, BARRY, B.S., Ph.D.	Director Emeritus
CREEL, RAY, M.S.	Director Emeritus
CROWE, MICHAEL, B.S., M.S., Ph.D.	Professor Emeritus
CUSIMANO, ALICE N., B.S.Ed., M.S., Ed.D.	Associate Vice President Emerita
DASINGER, NORMAN R., B.S., M.S., Ed.D.	Professor Emeritus
DAVIS, HOPE P., Jr., A.B., M.A., Ed.D.	Professor Emeritus
DAVIS, KAREN CHAPPELL, B.S., M.S.	Director Emerita
DEBRO, LAJOYCE, B.A., M.S., Ph.D.	Distinguished Professor Emerita of Biology
DEMPSEY, J. WAYNE, B.S., M.S.	Assistant Professor Emeritus
DEMPSEY, OUIDA S. F., B.S., M.A., D.M.A.	Professor Emerita
DUFFEY, LOWELL M., B.S., M.S., Ph.D.	Professor Emeritus
DUNAWAY, CAROLYN B., B.S., M.A. Ed.D.	Associate Professor Emerita
EASTON, STANLEY E., B.A., M.Ed., Ed.D.	Department Head Emeritus
ENGLEY, ELIZABETH A., B.S., M.Ed., Ph.D.	Professor Emerita
FAGAN, MARK, B.A., M.S.W., D.S.W.	Department Head Emeritus
FORD, DONNIE, B.S., M.A., Ph.D.	Department Head Emeritus
FORD, DORIS C., B.S.N., M.S.N., D.S.N.	Professor Emerita
FRIERY, KATHLEEN A., B.A.T., M.Ed., Ed.D.	Department Head Emerita
FRIERY, RODNEY N., B.S., M.Ed., Ph.D.	Professor Emeritus
FRITH, GREG, B.S., M.A., Ed.D.	Professor Emeritus
FULLER, FRANK C., Jr., B.A., M.S., Ph.D.	Professor Emeritus
GILBERT, JERRY D., B.S.Ed., M.A., Ph.D.	Professor Emeritus
GRANGER, SUE C., B.S., M.S., Ed.D.	Professor Emerita
GREEN, JIMMY W., B.S., M.B.A.	Executive Director Emeritus
GREGG, KELLY D., B.S., M.S., M.A., Ph.D.	Professor Emeritus
GROOVER, CHARLES, B.F.A., M.F.A.	Department Head Emeritus
HARRIS, RONNIE, B.S., M.S., Ed.D.	Professor Emeritus

HARPER, CYNTHIA H., B.S. Ed., M.S.Ed., Ed.D.	Dean Emerita
HARPER, RANDALL H., B.S., M.B.A.	Vice President Emeritus
HAYNES, SLENDIA, B.S., M.S.Ed., Ed.D.	Professor Emerita
HEMBREE, BETH, B.S.N., M.S.N., D.S.N.	Professor Emerita
HENRICKS, KAREN, B.A., M.A., Ph.D.	Professor Emerita
HERRING, DONNA, B.S., M.S., Ed.S., Ed.D.	Associate Professor Emerita
HILBER, CELIA, B.A., M.Ed. M.A., and Ph.D.	Associate Professor Emerita
HILL, LESTER, B.A., M.A., Ph.D.	Professor Emeritus
HORSFIELD, CHRISTOPHER H., B.S., M.A., Ph.D.	Associate Dean Emeritus
HORTON, GLORIA, B.S.Ed., M.A.	Instructor Emerita
HUBBARD, WILLIAM J., A.B., M.L.S.	University Librarian Emeritus
JACKSON, HARVEY, B.A., M.A., Ph.D.	Professor Emeritus
JOHNSON, ANNE G., B.A., M.A., Ph.D.	Professor Emerita
JOHNSON, HOWARD G., B.A., M.A., Ph.D.	Professor Emeritus
JONES, GAIL G., J.D.	Professor Emerita
JONES, MARK, B.S., M.S.E.	Director Emeritus
KELLEY, FRED, B.A., M.A., and Ph.D.	Department Head Emeritus of Mathematical, Computing, and Information Sciences
KING, FRANKLIN, B.A., M.S., Ed.D.	Associate Vice President Emeritus
KING, NINA, B.S., M.S., and Ph.D.	Associate Professor Emerita
KINNEY, RUFUS D., B.A., M.A.	Instructor Emeritus
KIRBY, FLOYD, B.S., M.A.	Assistant Professor Emeritus
KLIMASEWSKI, THEODORE, M.A., Ed.S., Ph.D.	Professor Emeritus
LATHAM, SARAH V., B.S.M., M.S.M., D.S.N.	Dean Emerita
LAUDERBAUGH, GEORGE, B.A., M.A., M.A., Ph.D.	Professor Emeritus
LOFTIN, WILLIAM E., B.S., M.B.A., D.B.A.	Professor Emeritus
LOWRY, PATRICIA KRAMER, B.S., M.S.Ed., Ed.D.	Professor Emerita
LYONS, DOROTHY M., B.S., M.S.N., Ed.D.	Professor Emerita
MALONE, SYLVIA S., B.A., M.A.	Instructor Emerita
MARSENGILL, DANIEL, B.M., M.M., D.M.	Dean Emeritus
MCABEE, SONJA L., B.A., M.L.S.	Department Head Emerita
MCCORMICK, MARTHA C., B.S., M.S.	Department Head Emerita
MCCORMICK, MICHAEL B., B.S., M.B.A., Ph.D.	Professor Emeritus
MCCRARY, JUDY HALE, B.A., M.Ed., Ph.D.	Professor Emerita
MCDADE, CLAUDIA E., B.A., M.A., Ph.D.	Director Emerita
MCINTOSH, LEGARE, B.A., M.A., M.S.E., Ed.D.	Department Head Emeritus
MEEHAN, WILLIAM A, B.S., M.S., and Ed.D.	President Emeritus
MERRILL, MARTHA, B.A., M.S., Ph.D.	Professor Emerita
MERRIMAN, JOHN C., B.M., M.M., M.F.A., D.M.A.	Professor Emeritus
MIMS, AQUILLA A., B.S., M.S.Ed., Ed.D.	Professor Emerita
MULRAINE, LLOYD E., B.A., M.A., D.A.	Professor Emeritus
MYERS, KAREN G., B.S., M.S.Ed.	Instructor Emerita
NELSON, J. GORDON, B.A., M.A., Ph.D.	Professor Emeritus
NEMETH, KAREN, B.S., M.S., Ed.S.	Instructor Emerita
NOTAR, CHARLES, B.S., M.A., and Ph.D.	Associate Professor Emeritus
OLANDER, CHARLES, B.S., M.S., Ph.D.	Professor Emeritus
OSTERBIND, CARTER C., B.A., B.F.A., M.F.A., M.Ed.	Professor Emeritus
PADGETT, THOMAS L., B.S., M.A., Ed.D.	Professor Emeritus
PARKER, PATRICIA, B.M., M.M., D.M.	Associate Professor Emerita
PARKER, RACHEL JONES, B.A., M.L.S.	Associate Dean Emerita
PATTERSON, DONALD, B.A., Ph.D.	Department Head Emeritus
PAXTON, MARY JEAN, B.S., Ph.D.	Department Head/Director Emerita
PETERS, MARY JANE, B.A., M.B.A.	Instructor Emerita
POPE, MARGARET, B.S., M.A., Ed.D.	Professor Emerita
RICHARDS, GEORGE D., A.B., M.A., Ph.D.	Professor Emeritus
ROBERTS, BRENDA, B.S., M.S.N., D.S.N.	Professor Emerita
ROBERTS, JAMES, B.M., B.M.Ed., M.A., D.M.A.	Professor Emeritus
ROSE, HARRY, B.A., M.A., Ed.D.	Professor Emeritus
ROSE, KATHERINE MAXINE, B.A., M.A., M.A., Ph.D.	Director Emerita
ROSWAL, GLENN, B.S., M.A. Ph.D.	Professor Emeritus

ROY, JOYCE R., B.A., M.A., Ed.D.	<i>Professor Emerita</i>
SALLS, DONALD J., B.S., M.A., Ed.D.	<i>Professor Emeritus</i>
SANDBERG, ANGELA, B.S., M.B.A., D.B.A.	<i>Professor Emerita</i>
SAVAGE, RALPH L., B.A., M.A., Ph.D.	<i>Professor Emeritus</i>
SEARWAY, ALBERT M., B.S., M.S., Ph.D.	<i>Director Emeritus</i>
SELLERS, SUSAN, B.S., M.A.E.	<i>Instructor Emerita</i>
SHADDIX, PAT, B.A., M.B.A.	<i>Director Emeritus</i>
SKIDMORE, JIM, B.S., M.S.	<i>Associate Athletic Director Emeritus</i>
SMITH, DONNA K., B.S., M.S.S.W.	<i>Instructor Emerita</i>
SMITH, JERRY D., B.S.Ed., M.S., Ed.D.	<i>Dean Emeritus</i>
SMITH, JOHNNY L., B.S., M.S., Ed.D.	<i>Professor Emeritus</i>
SMITH, LARRY JOE, B.S.	<i>Director Emeritus</i>
SMITH, T. ALLEN, B.S., M.S., Ph.D.	<i>Department Head Emeritus</i>
SOWELL, ELIZABETH S., B.S., M.S., Ph.D.	<i>Professor Emerita</i>
STINSON, MARY E., B.S.Ed., M.S., Ed.S., Ph.D.	<i>Associate Professor Emerita</i>
SUAREZ-CROWE, YOLANDA, B.A., M.S., Ph.D.	<i>Professor Emerita</i>
SUDDUTH, SANDRA, A.B., M.S.Ed.	<i>Instructor Emerita</i>
SUMMEROUR, CHARLES WILLIAM, III, B.S., M.S., Ph.D.	<i>Professor Emeritus</i>
TAYLOR, PHYLLIS, B.M.Ed., M.S.Ed.	<i>Instructor Emerita</i>
THORNBURG, CHARLOTTE, B.A., M.Ed., Ed.D.	<i>Professor Emerita</i>
THORNHILL, BONNIE T., B.S.N., M.S.N., D.S.N.	<i>Professor Emerita</i>
TYLER, GEORGE TRACY, B.A., M.M.	<i>Instructor Emeritus</i>
TRIVOLI, GEORGE W., B.S., M.B.A., Ph.D.	<i>Professor Emeritus</i>
WADE, JAMES E., B.A., M.A., Ph.D.	<i>Dean Emeritus</i>
WALKER, J. CHARLES, B.A., M.Ed., J.D., Ph.D.	<i>Professor Emeritus</i>
WARD, CARLTON, B.A., M.F.A.	<i>Department Head Emeritus</i>
WATTS, ROBERTA O., B.S.N., M.S.N., Ed.D.	<i>Professor Emerita</i>
WHITE, RONALD, B.S., M.S., Ph.D.	<i>Professor Emeritus</i>
WHITTON, STEVEN J., B.A., M.A., Ph.D.	<i>Professor Emeritus</i>
WILLIAMS, EUGENE J., B.A., M.A.	<i>Instructor Emeritus</i>
WILSON, BARBARA T., B.S., M.A.	<i>Instructor Emerita</i>
WOOD, RANDAL, B.S., J.D.	<i>Associate Professor Emeritus</i>
WOODWARD, H. BASCOM, III, B.S., M.A., Ed.D.	<i>Vice President Emeritus</i>
WOOSTER, JULIA, B.S., M.S.	<i>Instructor Emerita</i>
WRIGHT, ELSIE L., A.B., M.A., Ph.D.	<i>Professor Emerita</i>
YEH, PU-SEN, B.S., M.S., Ph.D.	<i>Department Head Emeritus</i>
YOCUM, VIRGINIA B.S., M.A., Ed.D.	<i>Professor Emerita</i>
YUNKER, BARBARA D., B.A., M.S., Ph.D.	<i>Associate Professor Emerita</i>
ZENANKO, CARL MICHAEL, B.A., M.Ed.	<i>Director Emeritus</i>
ZENANKO, MARSHA, B.S.E., M.S., Ph.D.	<i>Professor Emerita</i>
ZUELKE, DENNIS C., B.S., M.S., Ph.D.	<i>Professor Emeritus</i>

STAFF

PRESIDENT'S OFFICE

JOHN M. BEEHLER, Ph.D., CPA *President*
CATHERINE CHAPPELL *Executive Secretary to the President*
DOROTHY QUARLES *Special Assistant to the President*
DON KILLINGSWORTH *Director, University Relations*
SAMUEL H. MONK *University Counsel*

ACADEMIC AFFAIRS

REBECCA O. TURNER *Provost and Vice President for Academic Affairs*
AMANDA CASH *Executive Secretary*
JOSEPH WALSH *Vice Provost*
LISA WILLIAMS *Associate Vice Provost*
DELANE HODGE *Executive Secretary to the Vice Provost and Associate Vice Provost*
ALLISON NEWTON *Coordinator, Proposal Development*
LYNN GARNER *Director Innovative Programs, Institute for Innovation*

ENROLLMENT MANAGEMENT

EMILY W. MESSER *Associate Vice President for Enrollment Management*
ROSEMARY HARPER *Administrative Coordinator*

STUDENT AFFAIRS

TIMOTHY B. KING *Vice President for Student Affairs*
JEANNIE D. HAYNES *Executive Secretary*

ACADEMIC ADVISEMENT

A. MICHELLE GREEN *Director, Academic Advisement*
JENNIFER WOOD *Academic Advisor*

ACADEMIC ENHANCEMENT

DEBRA JAMES *Director of Academic Enhancement*
TBA *Secretary*
CANDI MOMON *Coordinator, Tutoring*
TODD WILSON *Coordinator, Football Academic Support*
TBA *LInCs/SI Coordinator*
REBECCA ROMINE *Learning Specialist*
KIMBERLY MEGILL *Retention Specialist*
ROBIN BEGINA *Resource Librarian*

SCHOOL OF ARTS AND HUMANITIES

STACI STONE *Dean, School of Arts and Humanities*
KRISTI SMITH *Secretary to the Dean*
LORI OWENS *Director, Academic Services*
SHERRY COSPER *Secretary, Academic Services*
BROOKLYN MILES *Secretary, Art*
NICK HOENSHHELL *Technical Director, Drama*
LINDA ADAMS *Secretary, Drama*
SUSAN HURST *Secretary, English*
JESSICA MAYBERRY *Clerical Assistant, English*
LISA SMUKALLA *Secretary, History and Foreign Languages*
LORI OWENS *Director, Honors Program*
JANET WHITMORE *Coordinator, Honors Program*
AMY TOMLINSON *Secretary, Honors Program*
KEN BODIFORD *Director of Bands, Music*
KIMBERLY COOPER *Secretary, Music*
SANDRA LYNCH DUVAL *Secretary, Band*

BARBARA COOK..... Coordinator, Certification, Advising, and Academic Support

SCHOOL OF BUSINESS AND INDUSTRY

WILLIAM FIELDING Dean, School of Business and Industry
LOUISE J. CLARK Associate Dean, School of Business and Industry
TBA Secretary to the Dean
PAM McGHEE Secretary to the Associate Dean
RACHEL HAAS Certification Advisor
TAWANA ROBERTS Clerical Assistant, Dean's Office
AMY VAUGHN Secretary, Management/Marketing
PAM POPE Secretary, Finance, Economics and Accounting
JENNIFER GREEN Director, Center for Economic Development
and Small Business Development Center
JUDY PORTER Secretary to the Director
AMY ANDERSON Research Analyst
SUZANNE DONALDSON Program Assistant
ANNA A. FANG Bookkeeper/Assistant
JEFFREY HOOIE Research Analyst
JOSEPH GRIMES Account Executive
KENNETH GRISSOM Government Procurement Specialist
W. PETER CONROY Director, Environmental Policy and Information Center
TIFFANY MORGAN Secretary, EPIC
TBA Assistant Director, JSU Field Schools
ANNA PALMER Coordinator, LRC Sales and Services
FREDDY MEDEROS Coordinator, LRC Conservation and Facilities

SCHOOL OF EDUCATION

TOMMY TURNER..... Dean, School of Education
TBA Associate Dean, School of Education
MARTHA DINGLER Secretary to the Dean
DEANNA BOHANNON Secretary to the Associate Dean
BROOKLYN MILES Secretary, Secondary Education
BRENDA CLINE Teacher's Aide, Child Center
SUZANNE DONALDSON Secretary, Educational Resources
TBA Secretary, Curriculum and Instruction
LYNN STEWARD..... Secretary, Family and Consumer Sciences
TIM WHITTEMORE Director, Instructional Services Unit
PENNY LANE Secretary to the Director
LISA LIGHT..... Director, Teacher Education Services
KAY COGER Secretary, Teacher Education Services
KELLY MURRAY Coordinator, Teacher Service Center & Certification Advisor
VICKIE TRAMMELL Certification Advisor
BRANDY RUSSELL..... Assistant Director, Clinical Experiences
AMIE KNIGHT Secretary, Clinical Experiences
LEANN BARKER Coordinator, edTPA & LiveText
ERIC LEE Director, In-Service Education
TANYA BARNES Project Administrator AMSTI
BARRY COOPER Supervisor, AMSTI Materials
POLLY CROW Science Specialist K-5
JANIS SIDES..... Supervisor, In-Service Education Materials
MELANIE GRIFFIS Math Specialist9-12
TARA HOOD Science Specialist K-5, AMSTI
KAY JOHNSON Science Specialist K-8, AMSTI
SHELLEY ROBERTS..... Science Specialist 6-8 AMSTI
TERRY MADDOX Maintenance Inventory Clerk II
KELLYE McDOWELL Science-in-Motion Specialist
KRYSTAL MILAM Science-in-Motion Specialist
JAMES MORGAN Science-in-Motion Specialist
KELLY ROPER Math Specialist K-8, AMSTI

CHERIE PRICKETT	Science-in-Motion Specialist
JASON SCOGIN	Assistant to Supervisor, AMSTI Materials
LYNN SHADDIX	Bookkeeper
AMBER THRANTHAM	Math Specialist K-8, AMSTI
CYRUS WAGNER	Maintenance Inventory Clerk II
JENNIFER McCULLARS	Conference Coordinator
JESSICA ALLEN	CORE Membership Coordinator
MEREDITH McCLENDON.....	CORE Conference Assistant
EVELYN BRAGG	Director, Learning Technology CORE
DAWN SILVERBERG	Core Educational Technology Support Specialist
DAVID BEEGLE.....	Core Educational Technology Support Specialist
NICHOLAS BONDS.....	Core Educational Technology Support Specialist
COURTNEY CHRISTOPHER.....	Core Educational Technology Support Specialist
CHERI HAMILTON.....	Core Educational Technology Support Specialist
DANA JENKINS.....	Core Educational Technology Support Specialist
GRETCHEN RICHARDS.....	Director of Program Evaluation, Core

SCHOOL OF HEALTH PROFESSIONS AND WELLNESS

CHRISTIE SHELTON.....	Dean, School of Health Professions and Wellness
ELIZABETH GULLEDGE	Associate Dean, School of Health Professions and Wellness
LINDA PRICKETT.....	Secretary to the Dean
CYNTHIA TUBBS	Clinical Associate
CHRISTY MOBBS.....	Secretary
KRISTINA KILLINGSWORTH.....	Director, Academic Services/Nursing
AMBER LAW	Director, Clinical Services
PATRICIA NELSON	Coordinator, Certification, Advising, and Academic Support
TAMARA CHASTAIN	Clerical Assistant
LEAH STUART	Administrative Coordinator
CARLA WILLINGHAM	Secretary to Associate Dean
TAMATHA JOHNSON	Director, Advisement and Certification/Nursing
PAM JUMPER	Secretary, Kinesiology
WINDON EDGE.....	Director of Collaborative Affairs
ED GOODWIN.....	Program Director, Respiratory Therapy

SCHOOL OF HUMAN SERVICES AND SOCIAL SCIENCES

MAUREEN NEWTON	Dean, School of Human Services and Social Sciences
LISA PUGLIESE	Secretary to the Dean
TBA	Coordinator, Academic Advisement Certification Support
DENISE DAVIS	Secretary, Criminal Justice
CHRISTIE CRIDER.....	Clerical Assistant, Criminal Justice
MARK HOPWOOD.....	Senior Forensic Scientist, Center for Applied Forensics
SHANE GOLDEN.....	Forensic Scientist, Center for Applied Forensics
RAENAE MOTES-GARMON.....	Coordinator, Center for Applied Forensics
DENISE DASILVA	Emergency Management Specialist
LORA SPIVEY	Secretary, Emergency Management
SARA MARTIN.....	Secretary, Political Science and Public Administration
ANNETTE CARTER.....	Secretary, Psychology
DARHONDA HICKS.....	Secretary, Sociology and Social Work
MICHELLE BUNDRUM.....	Clerical Assistant, Sociology and Social Work

SCHOOL OF SCIENCE

TIMOTHY H. LINDBLOM	Dean, School of Science
TRACY CASEY	Secretary to the Dean
SHAREE HUTCHINSON.....	Academic Certification Advisor
CARRIE HIGHTOWER	Secretary, Biology
JOAN INGRAM	Scientific Lab Technician, Biology
CONSTANCE BASS.....	Secretary, Mathematical, Computing and Information Sciences
TIFFANY SALLEE.....	Secretary, Chemistry and Geosciences
BERNICE GEORGE.....	Scientific Lab Technician, Chemistry and Geosciences

GRADUATE STUDIES

ANDREA PORTER..... Director
ASHLEY TRAMEL Secretary to the Director
ASHLEE HANVEY Graduate Admissions Advisor
JULIE MADDOX Graduate Program Specialist
LaRILDA VanSANDT Graduate Program Specialist

ADMISSIONS

LAUREN FINDLEY..... Director, Undergraduate Admissions & Recruitment
AIMEE THRASHER..... Secretary
TRACY PHILLIPS..... Coordinator Of Campus Experience
ALICE ABERNATHY..... Coordinator Of Core Scholars/Dual Enrollment
NATALIE HOLT..... Core Scholars Specialist
HALEY GINN Admissions Counselor
BRITTANY CAMMACK..... Admissions Counselor
LOGAN HOPKINS..... Admissions Counselor
TBA Admissions Counselor
TBA Admissions Counselor
TBA Admissions Counselor
BROCK SHELTON Transfer Admissions Counselor
ROXANNE BAILEY Transfer Admissions Counselor
VESTER SMITH Coordinator of Admissions Processing & Communications
LISA BEDFORD Secretary
AMANDA KUGHN Transfer Processor
KELLI PENNY..... Clerical
JEAN PUGLIESE..... Executive Director, Transfer Pathways

CAREER SERVICES

REBECCA E. TURNER Director, Career Services
MARIA JAMES..... Secretary to the Director
JIMMEKA LEVERETTE Career Specialist
TBA Career Advisor

CONTINUING EDUCATION

BELINDA BLACKBURN Director, Continuing Education
JOHN ABBOTT..... Marketing Specialist
KELLY BEEGLE Program Coordinator
LYNNE NABORS Program Coordinator

COUNSELING AND TESTING SERVICES

JULIE NIX Director, Counseling and Testing Services
NORMA PENNY Administrative Coordinator-Testing
LEONARD McCAULEY..... Counselor
CHARLOTTE REAVES Counselor
LOLA JOHNSTON Counselor
LINDA SHELTON Counselor

DISABILITY SUPPORT SERVICES

JULIE NIX Director, Disability Support Services
DEBBIE BUZAN Bookkeeper
LYNNE HOLLINGSWORTH Senior Disability Specialist
ASHLEY DORSETT Case Manager
JENNIFER YOCUM Coordinator, Deaf/Hard of Hearing Services

DEAN OF STUDENTS

TERRY CASEY Dean

LAUREN LOWELL *Director, Community Standards & Student Ethics*
 JOSH ROBINSON *Assistant Director, Student Life-Fraternity and Sorority Life*
 DEBBIE TAYLOR *Assistant Director, Student Life-Multicultural Programming*
 KEATON GLASS *Coordinator of First and Second Year Experience*
 SUSAN ADDERHOLD *Secretary to the Dean*

ENGLISH LANGUAGE INSTITUTE

NICHOLAS CATES *Director, English Language Institute*

FACULTY COMMONS

TBA *Director*
 BRANDY ROBERTS *Secretary to the Director*

ONLINE@ JSU

CHRIS CASEY *Operations Manager and Learning Management Systems Administrator*
 GINA GLASS *Secretary*
 CHRIS INMAN *Instructional Designer*
 KEVIN MOBBS *Instructional Designer*
 MEREDITH PARKER *Instructional Designer*
 HUNGWEI TSENG *Instructional Designer*

HOUSING OPERATIONS AND RESIDENCE LIFE

ROCHELLE SMITH *Director, Residence Life*
 BROOKE LYON *Director, University Housing Operations*
 TYRONE SMILEY *Assistant Director, University Housing Operations*
 KAITLIN HUMPHREY *Secretary*
 LAUREN McCLENDON *Residence Life Coordinator, Curtiss & Fitzpatrick Halls*
 TBA *Residence Life Coordinator, Apartments*
 TBA *Residence Life Coordinator, Logan, Sparkman & Patterson Halls*
 MICHAEL NORRIS *Residence Life Coordinator, Crow, Daugette & Dixon Halls*
 TRAVIS SMITH *Residence Life Coordinator, Meehan Hall*
 CHARLOTTE HOMESLEY *Office Assistant*
 TBA *Office Assistant*
 MORGAN SHEPHERD *Conference & Marketing Associate*

HOUSTON COLE LIBRARY

JOHN-BAUER GRAHAM *Dean, Library Services*
 ALISHA HENSON *Secretary to the Dean, Library Services*
 SUSAN WIGGINS *Library Technical Assistant*
 WILLIAM BATCHELOR *Circulation Assistant*
 TOBY FALK *Circulation Assistant*
 NOAH CLEVELAND *Library Technical Assistant*
 DELORES COLLIER *Library Technical Assistant*
 DEBRA DEERING-BARRETT *Supervisor, Library User Services*
 DEBRA FRAGOSO *Library Technical Assistant*
 ZACKERY THIRD *Circulation Assistant*
 POLLY GOWENS *Library Technical Assistant*
 JAN T. McCORMICK *Secretary*
 ALICIA CANTRELL *Library Technical Assistant*
 TIFFANY ONKST *Circulation Assistant*
 TERRE KING *Circulation Assistant*
 YOLANDA COX *Library Technical Assistant*

INTERNATIONAL HOUSE AND PROGRAMS

CHANDNI KHADKA *Director, International House*
 TONNA HAMMETT *Secretary to the Director*
 STEPHANIE MARMION SMITH *Coordinator, International Student and Scholar*
 TBA *Coordinator, International House and Study Abroad*

JACKSONVILLE STATE UNIVERSITY, McCLELLAN

DAVID THOMPSON *Building Manager*
MARSHA WHITAKER *Secretary to the Director*

LEARNING SERVICES

COURTNEY PEPPERS-OWEN *Director, Learning Services*
DAVID WASHBURN *Secretary to the Director*
SCOTT BECKETT *Distinguished Lecturer, Math*
CURT GLADEN *Instructor, Math*
CARRIE KIRK *Instructor, LS 104/Coordinator*
MARY REAGAN *EdReady and Fast Start*
PAMELA WHITE *Instructor, LS 104 and ECE*

UNIVERSITY RECREATION

TBA *Director, University Recreation*
ERIC BRASHER *Assistant Director, University Recreation*
HUNTER ALLEN *Coordinator, Intramural Programs*
TBA *Coordinator, Fitness*

REGISTRAR'S OFFICE

EMILY WHITE *Registrar*
STACEY CHARPING *Assistant Registrar*
TORI GADDY *Assistant Registrar*
CHARISSA DAVIS *Coordinator, Academic Records*
COURTNEY DRUBE *Coordinator, Enrollment Services*
DEBORAH HOOD *Secretary*
YOLANDRA BALL *Coordinator, Transfer Evaluation*
K. AMANDA WADE *Coordinator, Transfer Evaluation*

R.O.T.C.

MAJOR CORY ROBERTS *Professor of Military Science*
CPT JOY E. RABOLD *MS I Instructor/Logistics*
CPT TIMOTHY J. ROBBINS *MS III Instructor/Operations*
SFC RICKY JENKINS *National Guard Recruiter/BRM Instructor*
TBA *Human Resources Technician*

VETERAN SERVICES

JUSTIN PARKER *Director, Veteran Services*
ASHLEY FIGUEROA RIVERA *Veteran Benefits Specialist*
TASHUA DENNIS *Counselor*
GLADYS RICHERZHAGEN *Program Assistant*

ATHLETICS

GREG SEITZ *Director of Athletics*
LORI McFALL *Executive Secretary to the Director of Athletics*
GREG BONDS *Senior Associate Director, Internal Affairs/Athletics*
KAY GRIFFIN *Athletic Ticket Manager*
TBA *Strength and Conditioning Coach*
MISTY CASSELL RAY *Assistant Director, Athletics, Compliance*
HUNTER WALDRON *Coordinator, Athletics, Compliance*
TRACY BROOM *Assistant Director, Athletics, Academics/Senior Woman Administrator*
TODD GARRISON *Athletic Academic Advisor*
NATHAN SEVILLE *Athletic Trainer*
KRISTINE MADAY *Athletic Trainer*
DUSTIN HILL *Assistant Athletic Trainer*
MIKE POLASCIC *Athletic Trainer*

MIKE PARRIS	<i>Assistant Director, Athletics Broadcasting</i>
STEVE GILLISPIE	<i>Athletic Operations Coordinator</i>
ROSHARD CARGILL	<i>Coliseum Sports Facility Coordinator</i>
DONNA CALLAN	<i>Manager, Athletic Marketing & Promotions</i>
MIKE DAVIS	<i>Athletic Academic Advisor</i>
JOSH UNDERWOOD	<i>Associate Director, Athletics Media Relations</i>
TYLER BROWN	<i>Sports Information Specialist</i>
DANIEL PORTER	<i>Sports Information Specialist</i>
TONY SCHMIDT	<i>Sports Information Specialist</i>
GAVIN HALLFORD	<i>Assistant Coach, Strength & Conditioning</i>
RICKY RUTLEDGE	<i>Strength & Conditioning & Coordinator of Athletics Facilities</i>
JIM CASE	<i>Head Baseball Coach</i>
EVAN BUSH.....	<i>Assistant Baseball Coach</i>
MIKE MURPHREE	<i>Assistant Baseball Coach</i>
RAY HARPER	<i>Head Men's Basketball Coach</i>
DODIE HILL.....	<i>Coliseum Sports Secretary</i>
CHASE RICHARDSON	<i>Assistant Men's Basketball Coach</i>
JAKE MORTON	<i>Assistant Men's Basketball Coach</i>
TOMMY WADE.....	<i>Assistant Men's Basketball Coach</i>
JAMES HARING	<i>Coordinator Men's Basketball Operations</i>
RICK PIETRI	<i>Head Women's Basketball Coach</i>
ERIC WISE	<i>Assistant Women's Basketball Coach</i>
ALTHERIAS WARMLEY	<i>Assistant Women's Basketball Coach</i>
ERYC PITTMAN.....	<i>Assistant Women's Basketball Coach</i>
JOHN GRASS	<i>Head Football Coach</i>
WILLIAM GREEN	<i>Assistant Football Coach</i>
TBA	<i>Assistant Football Coach</i>
JIMMY OGLE	<i>Assistant Football Coach</i>
NICK GENTRY	<i>Assistant Football Coach</i>
BRANDON HALL	<i>Assistant Football Coach</i>
JR SANDLIN.....	<i>Assistant Football Coach</i>
KEVIN REVIS	<i>Assistant Football Coach</i>
CLEO LEMON	<i>Assistant Football Coach</i>
CODY WELLS	<i>Assistant Football Coach</i>
OWEN KILGORE	<i>Assistant Football Coach</i>
JAMES HOBBS	<i>Head Golf Coach</i>
TBA	<i>Assistant Golf Coach</i>
RON FROST	<i>Rifle Team Coach</i>
NEIL MACDONALD	<i>Head Women's Soccer Coach</i>
NICOLA BROWN.....	<i>Assistant Women's Soccer Coach</i>
JANA B. MCGINNIS	<i>Head Women's Softball Coach</i>
MARK WISENER	<i>Assistant Women's Softball Coach</i>
JULIE BOLAND	<i>Assistant Women's Softball Coach</i>
ANDRES AMORES	<i>Head Tennis Coach</i>
ROBERT KJELLBERG	<i>Assistant Tennis Coach</i>
STEVE RAY	<i>Head Track/Cross Country Coach</i>
MATTHEW BOONE	<i>Assistant Track/Cross Country Coach</i>
TODD GARVEY.....	<i>Head Women's Volleyball Coach</i>
JUSTIN SANDERS.....	<i>Assistant Women's Volleyball Coach</i>
R.J. CONROY	<i>Head Cheer Coach</i>
CORY ANDERSON	<i>Football Operations</i>
BRANDON SCHOENECK	<i>Director, Sports Performance</i>

BUSINESS SERVICES

JAMES BRIGHAM	<i>Vice President for Finance & Administration</i>
TWYLA HOBBS	<i>Secretary</i>
ANNA LEIGH HARRIS	<i>Bookstore Manager (Barnes & Noble)</i>
STACI FARR.....	<i>OP Business Development Manager (Coke)</i>
LUANE EVANS.....	<i>Site Manager (Gamecock Express)</i>

JOE WEAVER..... CEO (RMC Student Health Center)
 SCOTT WILLIAMS Food Service Manager (Sodexo)
 JESSE THORNBURG Mail Center Manager (Ricoh)

INSTITUTIONAL RESEARCH & EFFECTIVENESS

KIM PRESSON Director, Institutional Research & Effectiveness
 TIENHAN MA Coordinator, Assessment
 MANDY ABERNATHY..... Data Analyst
 BLAKE HUNTER.....Coordinator, Institutional Research

PRINT SHOP

TBA Director
 STEVE McCLELLAN Production Digital Copying Binding Specialist
 TANNER DIXON Production Digital Copying Specialist

STUDENT FINANCIAL SERVICES

ALICE WUDARCZYK Associate Director of Financial Services
 HOLLY WILLIAMS..... Manager of Student Financial Services
 TBA Student Financial Service Specialist
 DEONTA FREEMAN Student Financial Service Specialist
 MORGAN WATKINS Student Financial Service Specialist

FINANCE & ADMINISTRATION

JAMES BRIGHAM..... Vice President for Finance & Administration
 TINA TRUSSELL Executive Assistant

CAPITAL PLANNING & FACILITIES

DAVID THOMPSON Director
 JOSH MOSES Assistant Director
 KAREN POLLARD..... Secretary
 FELICIA SESSIONS Secretary
 DUSTY CHRISTOPHER Warehouse Manager
 TONY HULSEY Supervisor, Housing & General Maintenance
 TYLER LAW Superintendent, Athletic Fields & Grounds
 MARK STEWARD Supervisor, Air Conditioning and Heating
 DOUG PHILLIPS Supervisor, Building Services
 JEFF CASH Housekeeper Supervisor
 JENNIFER FORTENBERRY Housekeeper Supervisor
 VICKIE BORRELL Housekeeper Supervisor
 BARBARA KIMBERLY Housekeeper Supervisor
 WILLIAM JOHNSON Housekeeper Supervisor

CONTROLLER

KEVIN McFRY Controller
 TBA Secretary to the Controller
 JANICE THOMAS Staff Accountant
 PAIGE McDONALD Staff Accountant
 STEPHANIE CROSSON Accountant

INFORMATION TECHNOLOGY

VINSON HOUSTON Chief Information Officer
 JENNIFER EVANS Coordinator, IT Acquisitions and Support
 SEAN PONDER Director, Systems and Security
 ALAN WALLACE Director, Enterprise Information Systems
 MARK MATTHEWS Director, Network Architecture and Infrastructure Support
 MATTHEW McFALL Director, Technology Support Center
 JASON NEEL.....Coordinator, Technology Support
 THOMAS ALLRED Senior IT Support Analyst

MICHAEL SANDERS	Senior IT Support Analyst
PAULA SMITH	Senior IT Acquisitions Support Analyst
ANDREW HIGGINS	IT System Consultant
CHRIS CHEATWOOD	Systems Analyst
GENA CRONAN	Senior Systems Analyst
BRANDON STEWARD	Senior Systems Administrator
JIMMY SURRETT	Senior Systems Administrator
SHAUN STANCIL	Systems Administrator
GLENN DAVENPORT	Support Analyst
NEIL JOHNSON	Network Applications Engineer
GREG NABORS	Senior Database Administrator
MARILYN O'DONNELL	Senior Systems Analyst
MARK CAMP	IT Support Specialist
RAINER CLEMENTS	IT Support Specialist
VALENE HARVEY	IT Support Specialist
RONALD CHAPMAN	Network Specialist
JODY HIGGINS	Data Center Operations Assistant
CANDICE TRUITT	Systems Analyst
ALESHA ORMAN	Telecommunications Coordinator
TIM McCORD	Communication Equipment Technician
KEITH RILEY	Telecommunications System Administrator
TED CHANDLER	Network Specialist
PETRICIA TRIFAS	IT Support Specialist
TEVIN HEATH	IT Support Specialist
KEVIN SIMON	IT Support Specialist
JASON LEVI	Computer Programmer
JOGENDRA ACHANTA	Computer Programmer

INTERNAL AUDIT

NELSON CLARK	Chief Internal Auditor
SHARON TAYLOR	Administrative Assistant

OFFICE OF STUDENT ACCOUNTS

ALICE WUDARCZYK	Assistant Controller – Student Accounts
MARY WATKINS	Assistant Director II - Bursar
TONYA NEW	Manager – Collections & Receivables
TONYA WILLIAMS	Student Account Associate
MELANIE TUCK	Head Cashier
JULIA GRISSOM	Loan Collections Officer
STACEY BURELL	Accounts Receivables Collections Officer
MANDI AUSTIN	Refund Assistant
CASEY MOONEY	Student Account Assistant

PAYROLL & DISBURSEMENTS

LORI STEPHENSON	Assistant Director of Payroll & Disbursements
ERIN FREEMAN	Payroll Accountant
LAURA PRUITT	Payroll Specialist
DANA BONDS	Accounts Payable Clerk
DELISSA COBB	Accounts Payable Clerk
ELIZABETH BONDS	Clerical Assistant

PROCUREMENT AND FIXED ASSETS

DENISE HUNT	Director, Procurement & Fixed Assets
DEBORAH FANCHER	Administrative Coordinator

UNIVERSITY BUDGETS, SCHOLARSHIPS, GRANTS & CONTRACT ACCOUNTING

ROBIN YARBROUGH	Director, Budget Administration, Scholarships, Grants & Contracts
MICHELLE HUGHES	Budget Assistant
TREVA McABOY	Sponsored Programs Accountant

UNIVERSITY POLICE

ROBERT SCHAFFER.....	Chief of Police, Public Safety
KAREN BATES	Secretary
BRIAN MANN	Deputy Chief
CARL PREUNINGER	Investigative Captain
BRANDON SINGLETON	Patrol Operations Captain
JERRY PERKINS	Sergeant, Shift Supervisor
MATHEW LANGLEY	Sergeant, Shift Supervisor
DONYALE RICHARD	Police Officer
MICHAEL DEVOE	Police Officer
BRIAN GAY.....	Police Officer
BETSY CAMPBELL	Police Officer
RASHAD PHINISEE	Police Officer
CHRISTOPHER CALLENDER.....	Police Officer
BRIAN BOATWRIGHT	Police Officer
MICHELLE PAGE	Safety/Security Supervisor
BUDDY SMITH	Parking Enforcement Supervisor
JASON SUMNER.....	Police Communications Supervisor
ELIZABETH MORROW	Emergency Management Specialist
JOHN JACKSON	Security Officer
PAIGE ROCHUS.....	Police Communications Officer
GREG MORGAN	Police Communications Officer

HUMAN RESOURCES

HEIDI LOUISY	Chief Human Resources & Diversity Officer
BEVERLY MOORE	Administrative Coordinator
CHRISTY IVEY.....	Assistant Director
KATHY MILLER.....	Benefits Administrator
SHARON WATTS.....	Talent Acquisition Coordinator
SHARA McNUTT	Talent Acquisition Specialist
TAMMY McCAIN	Assistant Director
SEAZON WALDROP.....	HRIS Assistant
LU MOSELEY.....	Personnel Records and Employment Coordinator
TBA	Employment Specialist
KANDACE HAMILTON.....	Director of Diversity and Inclusion

UNIVERSITY ADVANCEMENT

CHARLES LEWIS	Vice President for University Advancement
TAMMY SALLEE.....	Executive Secretary
RALPH BURKE.....	Associate Director Corporate, Foundation, and Community Relations

ADVANCEMENT SERVICES

MARY FURLOW	Secretary to Advancement Services
SID DEERMAN	Foundation Accountant
LESLIE MORRISON	Foundation Accountant

AUDIO VISUAL

TONY GRAVETTE	TBA
MICHAEL WALKER	Coordinator of Audio Visual/Photography

ALUMNI RELATIONS

KACI OGLE	Director, Alumni Relations
ALAN RENFROE	Assistant Director, Alumni Relations
NANCY TURNER	Secretary to the Director
SHARON BARNES	Clerical Assistant

ATHLETIC DEVELOPMENT AND MARKETING

ED LETT Associate Director of University Development for Athletics
DONNA CALLAN Manager of Athletic Marketing and Promotions

MARKETING AND COMMUNICATIONS

TIM GARNER Chief Marketing Officer

INTERACTIVE DIGITAL

SEBASTIAN MENDEZ Lead Interactive Designer

MARKETING SERVICES

MARY B. SMITH Director, Marketing/Licensing
EMILY LANKFORD Lead Graphic Designer
TREVOR GRIMES Graphic Designer

PHOTOGRAPHY

MATT REYNOLDS University Photographer

PUBLIC RELATIONS

BUFFY LOCKETTE Director, Public Relations
SYDNEY JONES Social Media Specialist

TELEVISION SERVICES

MIKE HATHCOCK Director, TV Services and Engineering
TAMMY MIZE Secretary to the Director
BOBBY MIKEL TV Production Assistant
STEVE KINES TV Production Assistant
KEITH THOMAS Coordinator, TV Production
TED WHITE Assistant Engineer

UNIVERSITY DEVELOPMENT

EARL WARREN Director, University Development
BRENDA HOLT Secretary to the Director
KIM DALESANDRO Major Gifts Officer
PAIGE BURTON Major Gifts Officer
WILLIAM NASH Major Gifts Officer/Capital Campaign Manager
AMY SCHAVEY Annual Fund Coordinator

WEB SERVICES

CHRIS NEWSOME Web Master
ANGIE FINLEY Web Content Specialist

FACULTY LISTING

2018-2019 CATALOG

- BEEHLER, JOHN M. (2015) B.S., The Pennsylvania State University; M.B.A., Indiana University; Ph.D., Indiana University
President and Professor of Accounting
- TURNER, REBECCA O. (1981) B.A., University of Montevallo; M.S.W. and D.S.W., The University of Alabama
Provost and Vice President for Academic Affairs and Professor of Social Work
- ADAMS, JONATHAN (2001) B.S.W., Jacksonville State University; M.S.W., The University of Alabama
Instructor of Social Work
- ACKER, JENNIFER. (2017) A.D.N., Jefferson State Community College; M.S.N., Samford University
Instructor of Nursing
- AKISANYA, OYETUNJI (2012) B.S.N., Jacksonville State University; M.S.N., Jacksonville State University
Instructor of Nursing
- AKPAN, JOSEPH (2011) B.S., Lane College; M.A., Drake University; Ph.D., Iowa State University
Professor of Secondary Education
- ALAM, MOHAMMED GAUS (2006) B.S., Indiana University of Pennsylvania; M.S., Jacksonville State University
Instructor of Computer Information Systems
- AL-HAMDANI, SAFAA H. (1992) B.S., Baghdad University; M.S., Tuskegee University; Ph.D., Oklahoma State University
Professor of Biology
- ALVIDREZ, MICHAEL R. (2015) B.S.E., Arizona State University; M.S.E. and Ph.D., New Mexico State University
Associate Professor Elementary Education
- ANDERSON, THOMAS (2015) B.A., Utah State University; M.A., Prescott College; Ed.D., University of Idaho
Assistant Professor of Kinesiology
- ANDERSON, WILLIAM CHAD (2014) B.F.A. and M.F.A., Mississippi State University
Assistant Professor of Art
- ANDREWS, DONNIE (2016) B.S., University of North Alabama; M.S., Mississippi College; M.S. and Ph.D., University of Southern Mississippi
Associate Professor of Kinesiology
- BAILEY, RODNEY (2005) B.A. and M.S.E., Jacksonville State University
Instructor of English
- BAPTISTE, RENEE L. (2005) B.M., William Carey College; M.M., Eastman School of Music, University of Rochester; Ph.D., University of Florida
Professor of Music
- BARCLIFT, DEE (1998) B.S., Jacksonville State University; M.S.W., University of Georgia
Instructor of Social Work
- BARNES, JIMMY H. (2007) B.S., Berry College; M.Ed., University of West Georgia; Ed.S., Jacksonville State University; Ed.D., Nova University
Associate Professor of Educational Resources
- BARNETT, TIMOTHY J. (2003) M.P.A., Boise State University; Ph.D., University of Kansas
Professor of Political Science and Public Administration
- BARNETT-ELLIS, PAULA (2000) B.S., Georgia Southern University; M.M.C., University of South Carolina; M.L.I.S., The University of Alabama
Associate Professor and Librarian
- BARRETO, JULIO C. (2018) B.M., Instituto Superior de Musica-UNL
Visiting Assistant Professor of Music
- BARROW, LAURA (2012) B.S.N. and M.S.N., Jacksonville State University
Instructor of Nursing
- BAVONESE, JANET L. (2011) B.A., St. Thomas University; M.S., Nova Southeastern University; M.S., Jacksonville State University; Ed.D., The University of Alabama
Assistant Professor and Department Head of Curriculum and Instruction
- BAYLES, MAKENZIE (2013) B.S. and M.S., Jacksonville State University; Ph.D., University of Kansas
Assistant Professor of Psychology
- BEARD, LAWRENCE (1999) B.A., B.S., M.A., Ed.S., and Ed.D., The University of Alabama
Professor of Special Education
- BEEZLEY, PAUL RICHARD (2004) B.S., Appalachian State University; M.S. and Ph.D., University of Mississippi
Associate Professor of History
- BEKHOUCHE, NOUREDDINE (2000) B.S., University of Annaba; M.S., Polytechnic University of N.Y.; Ph.D., West Virginia University
Professor of Applied Engineering
- BENNETT, DON (2002) B.S.E. and M.A., Jacksonville State University
Instructor of English
- BENNETT, DORIS (1986) B.A., Randolph-Macon Woman's College; M.A. and Ph.D., The University of Alabama
Professor of Economics
- BENSON, JEREMY L. (2011) B.A., Jacksonville State University; M.M., Florida State University; D.M.A., Rutgers, The State University of New Jersey
Associate Professor of Music
- BEVIS, MARY D. (1983) B.S. and M.S., Jacksonville State University; Ed.S., The University of Alabama
Professor and Librarian
- BLADES, RANDAL W. (2006) B.A., Jacksonville State University; M.F.A., Pennsylvania State University
Associate Professor and Department Head of Drama

BLAIR, BENJAMIN G. (1998) B.S. and M.S., Jacksonville State University; Ph.D., Mississippi State University
Professor of Biology

BODIFORD, KENNETH G. (1994) B.M., Jacksonville State University; M.M., East Carolina University; D.M.A.,
University of Alabama
Director of Bands and Associate Professor of Music

BOGGS, ROBBIE (2002) B.S.H.E. and M.H.E., University of Georgia
Instructor of Family and Consumer Sciences

BOOZER, BENJAMIN (2011) B.S. and M.P.A., Jacksonville State University; Ph.D., Auburn University
Assistant Professor of Finance

BOUGERE, MARILYN (1994) B.S., Jacksonville State University; M.S.N., University of Alabama at Birmingham
Distinguished Lecturer of Nursing

BOYNTON, MICHAEL (2013) B.A., St. Mary's College of Maryland; M.F.A., New York University; M.F.A., Wayne
University; Ph.D., University of Maryland
Assistant Professor of Drama

BRANDON, MARK (1999) B.M. and M.M., University of South Carolina
Instructor of Music

BRUZEK, JENNIFER LYNNE (2014) B.A. and M.ED., Temple University; Ph.D., University of Kansas
Assistant Professor of Psychology

BUCHANAN, PAULA R. (2005) B.A. and B.S., Tulane University; M.B.A. and M.P.H., University of Alabama at
Birmingham
Instructor of Management

BURNS, CHRISTY CROWE (2004) B.A., Shorter College; M.A., Jacksonville State University
Instructor of English

BURNS, MICHAEL (2015) B.S., Dickinson College; M.Sc., University of Alberta; Ph.D., University of Alberta
Assistant Professor of Biology

BURROWS, CATHY (2012) B.A. and M.A., Jacksonville State University
Instructor of History and Foreign Languages

BUTTRAM, III, H. DEAN (2010) B.S. and M.P.A., Jacksonville State University; Ed.D., The University of Alabama
Associate Professor of Criminal Justice

CALHOUN, CHRISTIE F. (2013) B.S., M.S., Ed.S., Jacksonville State University
Instructor of Curriculum and Instruction

CARTER, SHAWN (1998) B.S., Jacksonville State University; Ph.D., Texas A & M University
Professor of Economics

CASE, JANICE (2001) B.S., University of Alabama at Birmingham; M.S., Louisiana Tech University; Ed.D., Mississippi
State University
Professor of Mathematics

CHANDLER, JEROME G. (1987) B.A., University of Texas at Austin; M.P.A., Jacksonville State University
Assistant Professor of Communication

CHANDLER, YOLANDA (2017) A.A.S. Northeast Alabama Community College; B.S.N. Jacksonville State University; M.S.N.
Jacksonville State University
Instructor of Nursing

CLARK, DOUG (2005) B.F.A., Radford University; M.F.A., Central Washington University
Professor of Art

CLARK, LOUISE J. (1969) B.S., M.A. and Ph.D., The University of Alabama
Associate Dean, School of Business and Industry and Professor of Business Statistics

CLAYTON, RONNIE J. (2000) B.S. and M.A., The University of Alabama; Ph.D., University of Georgia
Professor and Eminent Scholar of Finance

CLEMENTS, JR., L. FREDERICK (1988) B.A., Emory and Henry College; M.F.A., Virginia Commonwealth University
Distinguished Professor of Drama

CLEVELAND, JASON (2018) B.S. and M.S., Jacksonville State University; Ph.D., Florida State University
Assistant Professor, Mathematics

CLINE, GEORGE R. (1992) B.S., Indiana University of Pennsylvania; Ph.D., Oklahoma State University
Professor of Biology

COCHRAN, ROBERT (2012) B.S. and M.S., Jacksonville State University
Instructor of Mathematics

COLLEY, CHRISTOPHER (2012) B.S., Troy University
Instructor of Military Science

COLLUM, TALEAH (2006) B.S. and M.A., Florida State University; Ph.D., University of Alabama at Birmingham
Assistant Professor of Accounting

COLTON, CARRIE (2016) B.F.A., Southern Utah University; M.F.A., Florida State University
Assistant Professor of Drama

CONNOR, CYNTHIA (2012) B.S., Mercer University; M.A., Teachers College; Ph.D., University of Virginia
Assistant Professor of Education

CONROY, ROXANA SACASAS (2000) B.A., University of South Florida; M.S., Jacksonville State University
Instructor of Psychology

COOK, LLEWELLYN D (1999) B.A., Texas A & M; M.A. and Ph.D., Florida State University
Professor of History

COTHRAN, MISTY (2012) B.S. and M.S., Jacksonville State University
Instructor of Psychology

CRAWLEY, ANDRES (2017) B.S.R.T. The University of Alabama at Birmingham; M.A.E. The University of Alabama at
Birmingham
Instructor of Respiratory Therapy

CREECH, SEAN (2018) B.S.W., Jacksonville State University; M.S.W., University of New England
Instructor of Social Work

CROSSON, J. AUBREY (2011) B.S. and M.S., Jacksonville State University
Instructor of Kinesiology

CUNNINGHAM, BRENT J (1999) B.S., Jacksonville State University; M.A., The University of Alabama; Ph.D.,
University of Mississippi
Professor of Marketing and Department Head of Management and Marketing

DAVIS, RANDALL C. (1991) A.B., Marietta College; M.A. and Ph.D., Ohio State University
Professor of English

DAVIS, RICHARDS PATTON (2000) A.B., University of Georgia; M.A. and Ph.D., The University of Alabama
Professor and Department Head of Criminal Justice

DAUGHERTY, ANNETTE (2010) B.S.N. and M.S.N., Jacksonville State University
Instructor of Nursing

DEAN, SUSAN ASHLEY (2008) B.A. and M.A., Jacksonville State University
Instructor of English

DEMPSEY, DAVID W. (2000) B.A. and M.S., Jacksonville State University; Ph.D., University of Kentucky
Professor of Mathematics

DEMPSEY, HEIDI L. (2006) B.S., Utah State University; M.A., Simon Fraser University; Ph.D., University of Kentucky
Associate Professor of Psychology

DESHOTELS, TINA HEBERT (2005) B.A., University of Louisiana at Lafayette; M.A., Middle Tennessee State
University; Ph.D., Florida State University
Professor of Sociology

DEWEESE, SHERRON (1998) B.S.N. and M.S.N., University of Alabama at Birmingham
Instructor of Nursing

DI BIASE, CARMINE G. (1993) B.A., Youngstown State University; M.A., Wright State University; Ph.D., Ohio State
University
Distinguished Professor of English

DODD, JEFFREY J. (1996) B.S. and Ph.D., University of Maryland; M.S., University of Pennsylvania
Professor of Mathematics

DONLEY, SARAH B. (2014) B.A., University of Nebraska at Omaha; M.A., Kansas State University; Ph.D., Kansas State
University
Assistant Professor of Sociology

DUCKETT, MELISSA (2013) B.S.N. and M.S.N., Jacksonville State University
Instructor of Nursing

DUNN, CHRISTIAN M. (2015) B.F.A. and M.F.A., Louisiana Tech University
Assistant Professor of Art

DUNN, DONNA C. (2017) B.S., Birmingham Southern College; M.S.N.-C.N.M, Vanderbilt University; Post-Master's
F.N.P., University of Alabama at Birmingham; Ph.D., University of Alabama at Birmingham
Associate Professor of Nursing and Family Nurse Practitioner Track Coordinator

ELKINS, KATHRYN (2015) B.A. and M.A., Jacksonville State University
Instructor of English

FEATHERSTONE, MICHAEL (2002) B.S. and M.P.A, Wayne State University; D.B.A., Southern Cross University
Associate Professor of Information Management and E-Commerce

FELGAR, III, ROBERT P. (1971) A.B., Occidental College; M.A. and Ph.D., Duke University
Professor and Department Head of English

FIELDING, WILLIAM T. (1968) B.S. and M.B.A., Auburn University; Ph.D., University of South Carolina
Dean, School of Business and Industry and Professor of Economics

FOSTER, JENNIFER (1999) B.A. and M.A., Jacksonville State University
Instructor of English

FRANCIA, III, GUILLERMO A. (1994) B.S., Mapua Institute of Technology; M.S. and Ph.D., New Mexico Institute of
Mining and Technology
Distinguished Professor of Computer Science

FRANK, JENNIFER (2004) B.S.N. and M.S.N., Jacksonville State University
Instructor of Nursing

FRANKLIN, AMY P. (2001) B.S., Troy State University; M.A. and Ph.D., The University of Alabama
Associate Professor of Mathematics

FRAZIER, JEANNIE (2012) B.S. and M.S., University of Southern Mississippi; Ed.D., Nova Southeastern University
Assistant Professor of Family and Consumer Sciences

FREELAND, WENDY (2003) B.M., Florida Atlantic University; M.M. and D.M.A., University of South Carolina
Professor of Music

GALLOWAY, LORI (2007) B.S., University of West Alabama; M.S., State University of West Georgia; Ed.S., Jacksonville
State University
Instructor of Kinesiology

GAMESS, ERIC (2017) B.S., INSA de Toulouse, France; Ph.D., Central University of Venezuela
Assistant Professor of Computer Science

GARDNER, TERESA (2005) B.S., M.S., and Ed.S., Jacksonville State University; Ph.D., The University of Alabama
Associate Professor of Special Education

GARTH, ROBERT (2017) A.A.S. Pearl River Community College; B.S. University of Mississippi Medical Center; M.S.
University of Mississippi Medical Center
Instructor of Respiratory Therapy

GATES, JOANNE E. (1987) B.A., Vassar College; M.F.A. and Ph.D., University of Massachusetts, Amherst
Professor of English

GILBERT, ALLEN W. (2011) B.S. and M.P.A., Jacksonville State University
Instructor of Kinesiology

GILLESPIE, CLINT (1999) B.S.Ed., and M.M.Ed., Jacksonville State University
Instructor of Music

GLADEN, CURTIS (2002) B.S., Bemidji State College; M.S., New Mexico State University
Instructor of Learning Services

GODBEY, JESSIE (1998) B.S. and M.S., University of Michigan; Ph.D., Auburn University
Associate Professor of Applied Engineering

GOMPA, VIJAYA (2016) B.S., Andhra University; M.A. and Ph.D., University of Toledo
Professor of Mathematics and Department Head of Mathematical, Computing, and Information Sciences

GOODWIN, DEBRA (1982) B.S., Jacksonville State University; M.A., University of Alabama at Birmingham; Ph.D., The University of Alabama
Professor and Department Head of Family and Consumer Sciences

GOODWIN, HEATHER (2017) B.S.N. Jacksonville State University; M.S.N. University of South Alabama
Instructor of Nursing

GOODWIN, PAUL (2016) A.A.S. The University of Alabama at Birmingham; B.A. Faulkner University; M.S.R.T. Georgia State University
Instructor of Respiratory Therapy and Program Director

GORDON, DOUGLAS L. (2008) B.S.Ed. and M.A., Jacksonville State University; Ph.D., Florida State University
Professor of Music

GRAHAM, JOHN-BAUER (2001) B.A., Auburn University; M.A., Jacksonville State University; M.L.I.S., The University of Alabama
Dean, Library Sciences and Professor/Librarian

GRAMLING, SERENA (2011) B.S. and M.S.N., Jacksonville State University
Instructor of Nursing

GRAY, LARRY (2004) B.A., Rhodes College; M.A. and Ph.D., University of Virginia
Professor of English

GREENE, HEATHER L. (2017) B.A. and M.S.E., Jacksonville State University
Instructor of English

GROSS, JENNIFER (2001) B.A., University of North Carolina, Chapel Hill; M.A., University of Richmond; Ph.D., University of Georgia
Professor of History

GRYKO, JAN (1997) M.S., Warsaw University; Ph.D., Institute of Physical Chemistry in Warsaw
Professor of Chemistry

GULLEDGE, ELIZABETH D. (2006) B.S.N. and M.S.N., Jacksonville State University; Ph.D., University of Alabama at Birmingham
Associate Dean, School of Health Professions and Wellness; Department Head, Nursing; and Associate Professor of Nursing

HAMISSOU, MIJITABA (2001) B.S., M.S., and Ph.D., Oklahoma State University
Professor of Biology

HAMMACK, RUSSELL (2015) B.S., M.A., and Ed.D., The University of Alabama
Assistant Professor in Secondary Education

HANEY, WALTER C. (2014) B.S. and M.S., Jacksonville State University
Instructor of Criminal Justice

HANKINS, WILLIAM (2017) B.A., Auburn University; Ph.D., The University of Alabama
Assistant Professor Economics

HARBOR, KINGSLEY O. (2002) B.S., University of Houston; M.Ed., Southern University; Ph.D., Southern Illinois University
Professor and Department Head of Communication

HARDING, HENRY (2003) B.A., Yale University; M.A., Brown University; Ph.D., Georgia State University
Associate Professor of English

HARDY, BENJAMIN (2000) B.A., University of Arkansas at Little Rock; J.D., University of Mississippi; L.L.M., University of Texas at Austin
Associate Professor of Finance

HARRIS, AMY MAXWELL (2017) B.S.E, Jacksonville State University; M.S.E. Jacksonville State University
Instructor of Kinesiology

HARVEY, GORDON E. (2008) B.S., Auburn University; B.S. and M.A., University of Alabama at Birmingham; Ph.D., Auburn University
Professor of History and Department Head of History and Foreign Languages

HATHAWAY, PAUL L. (2008) B.A., M.P.A., and D.A., Idaho State University
Associate Professor of Political Science and Public Administration and Director, MPA Program

HATHCOCK, LAURIE (2002) B.A. and M.L.I.S., The University of Alabama
Associate Professor and Librarian

HEARN, W. MARK (1989) B.S. and M.B.A., University of North Alabama; Ph.D., University of Arkansas
Professor of Management

HELMS, ANDREW BRENT (2003) B.S., Jacksonville State University; Ph.D., The University of Alabama
Associate Professor of Chemistry

HELMS, KIMBERLY (2007) B.S.N., University of Alabama, Huntsville; M.S.N., Jacksonville State University, D. H. Ed., A.T. Still University
Associate Professor of Nursing

HENNING, ARLAND B. (1985) B.A., Luther College; M.S., Florida State University
Instructor and Librarian

HENSLEY, LORI L. (2017) B.S., Bowling Green State University; Ph.D., University of Tennessee Health Science Center
Department Head and Professor of Biology

HILL, KORY J. (2001) B.S., Abilene Christian University; M.S., Colorado State; Ph.D., Florida State University
Associate Professor of Kinesiology

HILL, LORI (2012) B.S.N. and M.S.N., Jacksonville State University; Ed.D., The University of Alabama
Assistant Professor of Nursing

HILL, MIRIAM HELEN (2001) B.A. and M.S., Indiana State University; M.S., Jacksonville State University; Ph.D., Kent State University
Professor of Geography

HOLSTEIN, HARRY (1978) B.A., California State College; Ph.D., University of Pittsburgh
Professor of Anthropology

HOSMER, CHRISTOPHER (2007) B.A. and M.S., Jacksonville State University; M.M., Indiana University
Instructor of Music

HUANG, JIANPING (2017) B.A., University of Science & Technology of China; M.B.A., Nanjing University; Ph.D., The University of Memphis
Assistant Professor of Marketing

HUANG, SHIH-KAI (2015) B.S. and M.S., Cheng Kung University; Ph.D., Texas A & M University
Assistant Professor of Emergency Management

HUDSON, ANTOINETTE (2004) B.S. and M.A., Jacksonville State University
Instructor of History

HUG, WILLIAM J. (1987) B.A. and M.A., University of Dallas; Ph.D., Auburn University
Professor of English

IHATOR, AUGUSTINE (2002) B.A. and M.A., Texas Southern University; Ph.D., Howard University
Professor of Communication

INGALSBE, DANA (2004) B.S., Roberts Wesleyan College; M.S. and Ph.D., Institute of Paper Science and Technology
Associate Professor of Applied Engineering

INMAN, CHRIS (2015) B.S., M.A., and Ph.D., The University of Alabama
Assistant Professor of Educational Resources and Instructional Designer, Online @ JSU

ISLAM, TANVEERUL (2011) B.S., Bangladesh University of Engineering and Technology; Ph.D., Texas Tech University
Associate Professor of Emergency Management

JENSEN, CYNTHIA (2001) B.S. and M.S.S.D., Jacksonville State University
Instructor of Computer Science

JOHNS, KYOKO M. (2010) B.S., Jacksonville State University; M.A., Ed.S., and Ph.D., The University of Alabama
Assistant Professor of Elementary Education

JOHNSON, J. SETH (2014) B.F.A., Jacksonville State University; M.F.A., University of Tennessee, Knoxville
Department Head and Professor of Art

JOHNSON, KARLIE L. (2017) B.A. and M.A., Jacksonville State University; M.L., The University of Alabama
Assistant Professor and Librarian

JOHNSON, KATHERINE (2007) B.A., Wesleyan College; M.A., Jacksonville State University
Instructor of English

JONES, JOHN H. (1996) B.A., Randolph-Macon College; M.A. and Ph.D., Fordham University
Professor of English

KABAIRA, HELEN I. (2017) B.A., Portland State University; M.A., Eastern Kentucky University
Instructor of History

KANIA, RICHARD R. E. (2005) B.A., Florida State University; M.A. and Ph.D., University of Virginia
Professor of Criminal Justice

KEITH, LEIGH ANN (2012) B.S.N. Jacksonville State University; M.S.N. The University of Alabama; D.N.P. The University of Alabama
Assistant Professor of Nursing

KEY, WENDY (2017) B.S.N. Jacksonville State University; M.S.N. Jacksonville State University
Instructor of Nursing

KILLEN, TAMMY L. (2014) B.S.N. and M.S.N., University of North Alabama
Instructor of Nursing

KIM, CHANG-HYUN (2014) B.S., Korea University; M.S. Industrial Engineering, Pohang University of Science and Technology; M.S. Engineering, Arizona State University; Ph.D., Drexel University
Assistant Professor of Management

KIM, JAEDEOK (2002) B.S. and M.S., Seoul National University, Korea; M.A. and Ph.D., The University of Alabama
Professor of Mathematics

KIM, KIHYUN (2011) B.B.A. and M.B.A., Korea University; M.A. and Ph.D., University of Nebraska at Lincoln
Associate Professor of Computer Science

KIM, YOUNGMI (2002) B.S., Seoul National University, Korea; M.A. and Ph.D., The University of Alabama
Professor of Mathematics

KIRK, CARRIE (2013) B.S. and M.S., Jacksonville State University
Instructor of Learning Skills

KISER, JERRY D. (1997) B.A., Christopher Newport University; M.Ed., Montana State University, Northern; M.S.Ed., Old Dominion University; Ed.D., College of William and Mary
Professor of Counselor Education

KNIGHT, ELIZABETH SUTHER (2007) B.A., University of Montevallo; M.A. and M.L.I.S., The University of Alabama
Associate Professor and Librarian

KOERPER, PHILLIP E. (1969) B.A., Florida Southern College; M.A. and Ph.D., University of Georgia
Professor of History

KOOZEHCHEAN, MAJID (2017) B.S., Beheshti University; M.S., Bu-Ali-Sina-Hamadan University; Ph.D., Texas A&M University
Assistant Professor of Kinesiology

KOSS, RONALD G. (1989) B.A., University of Wisconsin at River Falls; M.A. and Ph.D., University of Florida
Associate Professor of Foreign Languages

KOSTOVA, RAINA (2006) B.A., American University, Bulgaria; M.A., University of Maine; Ph.D., Emory University
Associate Professor of English

KREJCI, DANIEL THOMAS (2005) B.A., Capital University; M.P.A., University of North Carolina at Charlotte; M.A. and Ph.D., Texas Tech University
Associate Professor of Political Science and Public Administration

KRISHNAPRASAD, SRI (1998) B.E., Bangalore University; M.E., Indian Institute of Science; Ph.D., Southern Methodist University
Professor of Computer Science

KUSHMA, JANE (2006) B.A., Bloomsburg State College; M.S.W., University of Pittsburgh; Ph.D., University of Texas, Arlington
Professor of Emergency Management

LAFFERTY, BRYCE (2011) B.A., Central Connecticut State University; M.F.A., University of North Texas
Associate Professor of Art

LAMBERT, DAVID DUANE (2012) B.M., James Madison University; M.M., Western Michigan University; D.M.A., University of Miami
Assistant Professor of Music

LANDRY, III, ROBERT J. (2006) B.S., University of North Alabama; J.D., The University of Alabama; M.P.A., Jacksonville State University; Ph.D., Auburn University
Associate Professor of Finance

LANG, KAY E. (2015) B.A., Trent Polytechnic; M.A., University of Wyoming; M.A., University of Leicester; Ph.D., University of Albany
Assistant Professor of Criminal Justice

LATHAM, BETHANY (2004) B.A., Jacksonville State University; M.L.I.S., The University of Alabama
Associate Professor and Librarian

LEATHRUM, THOMAS E. (1998) B.A., Johns Hopkins University; M.A. and Ph.D., Dartmouth College
Professor of Mathematics

LEE, JIHYE (2014) B.B.A., Chung-Ang University; M.S., Illinois Institute of Technology; Ph.D., University of Wisconsin, Milwaukee
Assistant Professor of Marketing

LEMMONS, RUSSEL (1993) B.A., Franklin College, Indiana; M.A. and Ph.D., Miami University, Ohio
Distinguished Professor of History

LESTER, WILLIAM (2005) B.A., University of Texas-Pan American; M.P.A. and Ph.D., Texas Tech University
Professor of Political Science and Public Administration

LEVI, TAMARA J. (2006) B.A., Lees-McRae College; M.A., Appalachian State University; Ph.D., University of Nebraska-Lincoln
Associate Professor of History

LINDBLOM, TIMOTHY H. (2016) B.S., Auburn University; Ph.D., University of Georgia
Dean, School of Science and Professor of Biology

LOGSDON, JOHN A. (2000) B.Mus., M.M., and D.M.A., University of Georgia
Associate Professor of Music

LOWE, KEITH (2007) B.S. and M.B.A., Jacksonville State University; Ph.D., The University of Alabama
Associate Professor of Statistics

LOWE, WILLIAM A. (2004) B.S., Shorter College; B.S., University of Cincinnati; M.B.A., Brenau University; Ph.D., Nova Southeastern University
Professor of Emergency Management

LUCK, JENNIFER (2017) B.A., Birmingham-Southern College; M.F.A., University of Kansas
Assistant Professor of Drama

LYNGE, ANDREW (2017) B.M., Texas A&M University-Commerce; M.M., Colorado State University; D.M.A., University of Texas
Assistant Professor of Music

McCARTY CYNTHIA S. (1990) B.S., Auburn University; M.B.A., Samford University; Ph.D., University of North Carolina
Professor of Economics

McCORMICK, DANA P. (2014) B.S., University of Tennessee at Chattanooga; M.S., Missouri University of Science and Technology
Recruiting Officer of Military Science

McCUTCHEM, THOMAS W. (2010) B.S., Auburn University; M.M., East Carolina University; D.M.A., University of North Texas
Department Head and Professor of Music

McDIVITT, HEATHER (2013) B.A., Auburn University; B.F.A. and M.S.E., Jacksonville State University
Instructor of Mathematics

McELROY, ALLISON (2008) B.F.A., Atlanta College of Art; M.F.A., Savannah College of Art and Design
Associate Professor of Art

McGAHEY, JAMES T. (2011) B.A., University of Georgia; M.Ed., Augusta College; Ed.S., Georgia Southern University; Ed.D., Auburn University
Assistant Professor of Education

McGOWIN, DANIEL (2016) B.A. and M.S., The University of Alabama; Ph.D., Florida State University
Assistant Professor of Geography

McGRAIL, J. PATRICK (2008) B.A., University of Massachusetts, Amherst; M.S. and Ph.D., Syracuse University
Associate Professor of Communication

McGRATH, LORI S. (2017) A.D. and B.S.N., Samford University; M.A., University of Alabama at Birmingham; M.S.N. and D.N.P., University of Alabama in Huntsville
Assistant Professor of Nursing and Adult Gero Acute Care Nurse Practitioner Track Coordinator

McKERCHAR, PAIGE (2007) B.S., University of Florida; M.A. and Ph.D., University of Kansas
Associate Professor and Department Head of Psychology

McKERCHAR, TODD (2007) B.S., University of Florida; M.A. and Ph.D., University of Kansas
Associate Professor of Psychology

MABREY, REGINA (2006) B.S., Jacksonville State University; M.S., Auburn University; Ph.D., University of Alabama at Birmingham
Assistant Professor and Interim Department Head of Kinesiology

MALONEY, JOY (2004) B.S. and M.S., Jacksonville State University
Instructor of English

MARTINEZ, ALEXANDRIA (2010) B.S., Northern Arizona; M.S. and Ph.D., University of Arizona
Associate Professor of Spanish

MARKER, MICHAEL (1978) B.S. and M.B.A., Jacksonville State University; Ph.D., The University of Alabama
Professor of Management

MARSH, JILL (2012) B.S. and M.Ed., Auburn University; Ed.S., Jacksonville State University
Instructor of Family and Consumer Sciences

MARTIN, ROSS (2018) B.S., College of Charleston; M.A., Georgia State University; Ph.D., Texas State University
Visiting Assistant Professor of Geography

MATTOX, APRIL (2010) B.A. and M.A., Jacksonville State University
Instructor of English

MAYFIELD, E. HILL (2009) B.S. and M.B.A., Jacksonville State University
Instructor of Management

MECHAM, MICA (2008) B.A. and M.A., Jacksonville State University
Instructor of English

MELLEN, RONALD R. (2002) B.S., University of Houston; M.A., Sam Houston State; Ph.D., Texas A & M
Professor of Criminal Justice

MERTENS, DAN (2016) B.A., Colorado State University; M.B.A. and Ph.D., University of Arizona
Associate Professor of Management

MILES, SARAH CUSIMANO (2013) B.S., The University of Alabama; B.F.A., Jacksonville State University; M.A., The University of Alabama
Assistant Professor of Art

MITCHELL, LINDA (2007) B.S. and M.S., Jacksonville State University; Ph.D., Auburn University
Associate Professor of Secondary Education

MOBBS, KEVIN (2015) B.A., Jacksonville State University; M.M. and D.M.A., University of North Carolina-Greensboro; Ed.S., University of West Georgia
Assistant Professor of Educational Resources and Instructional Designer, Online@JSU

MOERSCH, SARAH (2012) B.A. and M.A., Jacksonville State University
Instructor of English

MORGAN, JOSEPH S. (2014) B.S., National-Louis University; M.F.S., National University
Distinguished Scholar and Associate Professor of Criminal Justice

MORGAN, L. JOE (2010) B.A. and M.A., University of North Carolina-Greensboro; Ph.D., State of New York at Buffalo
Associate Professor of Geography and Department Head of Chemistry and Geosciences

MORROW, TAMMY L. (2006) B.S. and M.S.N., Jacksonville State University
Instructor of Nursing

MURDOCK, CHRISTOPHER (2006) B.S. and Ph.D., University of Alabama at Birmingham
Professor of Biology

MURRAY, Jada (2017) B.S. Jacksonville State University; M.D.A., Utah State University
Instructor of Family and Consumer Sciences

MURTAGH, CHRISTOPHER (2017) B.S., University of Massachusetts; M.S., Westfield State College; Ph.D., Brandeis University
Assistant Professor of Criminal Justice

MYER, DAVID H. (1995) A.B., The University of Alabama; M.S.Ed., Jacksonville State University
Distinguished Lecturer of English

NEVALA, ANDREW E. (2011) B.A., Boise State University; M.M., University of Northern Colorado; D.M.A., University of Colorado
Associate Professor of Music

NEWTON, ANDREW (2017) B.S. and M.S., Indiana University of Pennsylvania; PhD. Kent State University
Assistant Professor of Kinesiology

NEWTON, MAUREEN (1999) B.S.S.W., University of Alabama at Birmingham; M.S.W., Florida State University; Ph.D., University of Tennessee, Knoxville
Dean, Human Services and Social Sciences and Professor of Social Work

NEWTON, STAN (2005) B.S., The University of Alabama; M.B.A., University of North Alabama
Instructor of Management

NICHOLS, MISTI M. (2017) B.A., University of Mobile; M.S.E., University of West Alabama
Instructor of English

NUTTALL, HARRY D. (1985) B.A., Louisiana Polytechnic Institute; M.A. and M.L.S., Louisiana State University
Associate Professor and Librarian

OFT, ERYN (2007) B.M. and M.M., Indiana University
Instructor of Music

OGDEN, CHRISTOPHER (2018) B.S. and M.S., University of South Alabama; Ph.D., Florida State University
Assistant Visiting Professor, Computer Science

OLES, JOHN (2015) B.F.A., University of Massachusetts-Dartmouth; M.F.A., Tulane University
Assistant Professor of Art

OVERTON, REGINALD F. (2014) B.S., Middle Tennessee State University; M.S., United States Sports Academy; M.B.A., Auburn University; Ed.D., Temple University
Professor of Kinesiology

OWENS, LORI (2001) B.A., Jacksonville State University; M.A. and Ph.D., The University of Alabama
Professor of Political Science, Pre-Law Advisor, and Director of Honors Program and Office of Academic Services

OWENS, LYNETTA A. (1994) B.S., Talladega College; M.A., The University of Alabama; Ed.S., Jacksonville State University
Instructor of Education

PACHECO, EDUARDO (2006) B.A., Corporacion Universitaria de la Costa, Columbia; M.A., University of Arkansas, Ph.D., The University of Alabama
Associate Professor of Spanish

PALMER, DAVID (2005) B.S., Samford University; M.B.A. and Ph.D., The University of Alabama
Associate Professor of Management

PALYA, WILLIAM L. (1978) B.S., The University of Alabama; M.S. and Ph.D., University of Western Ontario
Professor of Psychology

PARK, KYE JUNG (2017) B.M., Sookmyung Women's University and M.M., Southwestern Baptist Theological Seminary
Visiting Assistant Professor of Music

PATTON, BRIAN E. (2015) B.S. and M.S., Jacksonville State University
Instructor of Criminal Justice

PAYNTER, KELLY (2014) B.B.A., University of Georgia; M.B.A., Georgia State University; Ed.S., University of Georgia; Ed.D., Liberty University
Assistant Professor of Education

PEARCE, ALLISON B. (2014) B.S.N. and M.S.N., Jacksonville State University
Instructor of Nursing

PEARCE, CHARLIE L. (2017) B.S. and M.P.A., Jacksonville State University
Instructor of Criminal Justice

PECK, ELLEN MARIE (2010) B.A., Oakland University; M.A. and Ph.D., University of Illinois
Associate Professor of Drama

PEINHARDT, REBECCA D. (2009) B.S.N., Emory University; M.S.N., University of Alabama at Birmingham; D.N.P., Samford University
Professor of Nursing

PETERSON, JASON (2017) B.A., Georgia College and State University; M.A., The University of Georgia; Ph.D., The University of Southern Mississippi
Assistant Professor of Communications

PERYGIN, DONNA (2013) B.S., Memphis State University; M.S. and Ph.D., University of Memphis
Assistant Professor of Chemistry

PHILLIPS, KAREN (2017) B.S., University of Alabama; M.S.W., University of Alabama
Instructor of Social Work

POE, JODI (2001) B.S., Jacksonville State University; M.L.I.S., The University of Alabama
Professor/Librarian and Head of Technical Services

PORTER, ANDREA (2005) B.A., University of North Alabama; M.A., Mississippi State University; Ph.D., The University of Alabama
Associate Professor of English

PRICKETT, DEBORAH W. (1992) B.S.Ed. and M.S.Ed., Jacksonville State University
Instructor of English

PROBST, CHRISTOPHER (2014) B.A. and B.S., Lebanon Valley College of Pennsylvania; M.M., The University of Arizona, M.M., Florida International University, D.M.A., The University of Georgia
Assistant Professor of Music

PRUDLO, DONALD (2005) B.A., Christendom College; M.A., Notre Dame Graduate School of Christendom College; Ph.D., University of Virginia
Professor of History

PRUITT, KENNETH JEFFERY (2017) B.A. and M.A., Jacksonville State University
Instructor of English

RABOLD, JOY E. (2015) Captain; B.S., Trident University International
Instructor of Military Science

RAHMAN, KAZI (2018) B.S. and M.S., University of Bangladesh, M.S., Wilfred Laurier University; Ph.D., University of Guelph
Assistant Professor, Mathematics

RAINS, ANDREA (2011) B.S. and M.S.E., Jacksonville State University
Instructor of Kinesiology

RAINWATER, LENN (2014) B.S., Samford University; M.A., University of Alabama at Birmingham; M.B.A., Thunderbird School of Global Management
Instructor of Management

RAYBURN, JAMES R. (1998) B.S., Louisiana College; M.S. and Ph.D., Oklahoma State University
Professor of Biology

REED, TERESA (1996) B.A., Birmingham Southern College; M.A., University of Virginia; Ph.D., University of Florida
Professor of English

RICHARDS, GRETCHEN (2013) B.S., University of Houston; M.S. and Ph.D., Mercer University
Assistant Professor of Emergency Management

RIDER, ERIN (2010) B.A., Eastern Oregon University; M.A. and Ph.D., Texas Woman's University
Associate Professor of Sociology

RIMPSEY, VALERIE (2001) B.S. and M.A., Jacksonville State University
Instructor of English

ROBBINS, TIMOTHY J. (2015), Captain, U.S. Army; B.S., Western Illinois University
Instructor of Military Science

ROBERTS, CORY L. (2017) B.S., Columbus State; M.S., Webster University
Professor of Military Science

ROBERTSON, SHANNON E. (2009) B.A. and M.S., Texas A & M University-Kingsville; M.A. and Ph.D., Washington University in St. Louis
Associate Professor of Psychology

ROBINSON, KATIE (2012) B.S.N. and M.S.N., Jacksonville State University
Instructor of Nursing

ROBINSON, PETER E. (1964) B.A., Delta State University; M.A. and Ph.D., Mississippi State University
Professor of History

ROSS, JEREMY (2013) B.S., Jacksonville State University; M.A., Middle Tennessee State University; Ph.D., Oklahoma State University
Assistant Professor of Sociology

RUNNELLS, JAMIE (2013) B.A., Augusta State University; M.Des., Edinburgh College of Art
Professor of Art

RYAN, JEFFREY RICHARD (2005) B.S., SUNY College of Environmental Science and Forestry at Syracuse; M.S., Hood College; Ph.D., North Carolina State University
Department Head and Professor of Emergency Management

SAEKI, MANABU (2008) B.A., University of Louisiana at Lafayette; M.A. and Ph.D., University of New Orleans
Associate Professor of Political Science and Public Administration

SASSER, TANYA T. (2010) B.A., University of Montevallo; M.A., Jacksonville State University
Instructor of English

SAUTERER, ROGER (1993) B.A., Oberlin College, Ohio; Ph.D., State University of New York at Stony Brook
Associate Professor of Biology

SCHMIDT, BILL (2002) B.S., South Dakota State University; M.B.A., Minnesota State University; D.B.A., Louisiana Technical University
Professor of Finance

SCROGGIN, KAREN (2012) B.S.N. and M.S.N., Jacksonville State University
Instructor of Nursing

SCROGGINS, JR., WILLIAM A. (1979) B.S. and M.B.A., Jacksonville State University; D.B.A., Mississippi State University
Professor of Finance and Real Estate and Head of Finance, Economics and Accounting

SHAH, SAYYED FAWAD ALI (2017) B.A., University of Peshawar; M.A., The Islamia University of Bahawalpur
Instructor of Communications

SHELTON, CHRISTIE (2003) B.S. and M.S.N., Jacksonville State University; Ph.D., University of Alabama at Birmingham
Dean, School of Health Professions and Wellness and Associate Professor of Nursing

SIMS, EMILY (2011) B.S. and M.S.E., Jacksonville State University; Ph.D., The University of Alabama
Assistant Professor and Department Head of Secondary Education

SKINNER, JAUNETH (2008) A.S. and B.F.A., Indiana University; M.F.A., Bowling Green State University
Professor of Art

SMEDLEY, RACHEL (2017) A.A.S. Northeast Alabama Community College; B.S.N. Jacksonville State University; M.S.N. Jacksonville State University
Instructor of Nursing

SMITH, DANIEL E. (2002) B.S., Jacksonville State University; M.S., Texas Tech University
Instructor of Mathematics

SMITH, EDWIN H. (1995) B.S., M.S., and Ph.D., Auburn University
Professor of Mathematics

SNEED, CYNTHIA ANN (2001) B.S., M.A., and Ph.D., The University of Alabama
Professor of Accounting

SNEED, JOHN EDWARD (2001) B.S., M.A., and Ph.D., The University of Alabama
Professor of Accounting

SNELLEN, III, JAY (2015) B.S. and M.S., Jacksonville State University
Instructor of Computer Science

SNIDER, ROBYN V. (1998) B.S. and B.S.W., Jacksonville State University; M.S.W., The University of Alabama
Instructor of Social Work

SPRINGER, MARY (2017) B.A., Doane University; M.A., University of Saint Thomas; Ph.D., University of Iowa
Assistant Professor of Art History

STANLEY, CLINT (2018) B.S. and M.S., Jacksonville State University
Instructor of Mathematics

STAPLES, JULIE A. (2014) B.S. and M.A., The University of Alabama
Instructor of Accounting

STAUBS, MELINDA (2007) B.S., University of Tulsa; M.A., Ed.S., and Ed.D., The University of Alabama
Associate Professor of Curriculum and Instruction

STEDHAM, MIKE (2000) B.A. and M.A., Jacksonville State University
Instructor of Communication and Manager of Student Media

STEFFY, DAVID (2000) B.A., Millersville State College; M.A., Washington State University; M.S., West Virginia University; M.S., University of Alaska, Anchorage; Ph.D., University of Western Australia
Professor of Environmental Science

STEPHENS, DOUGLAS (2017) B.S. Southern University and A&M College; B.S.N. Florida A&M University; M.S.N. The University of Alabama at Birmingham; D.N.P. The University of Alabama at Birmingham
Assistant Professor of Nursing

STEPHENS, WENDY S. (2015) B.A., Dartmouth College; M.A., University of Alabama in Huntsville; M.L.I.S., The University of Alabama; M.S.Ed., Samford University; Ph.D., University of North Texas
Assistant Professor of Educational Resources

STEVENS, KIMBERLY WEATHERFORD (1998) B.A., Auburn University; M.S.L.S., University of North Carolina at Chapel Hill
Professor and Librarian

STEWART, NANCY FRANCISCO (2003) B.A., Hollins College; M.S.W., Florida State University; M.A.Ed., Northern Arizona University; Ph.D., The University of Texas at Austin
Professor of Social Work

STONE, STACI (2018) B.A., University of Alabama; M.A. and Ph.D., University of South Carolina
Dean, School of Arts and Humanities and Professor of English

STOVALL, JEREMY (2006) B.A. and M.A., Jacksonville State University
Instructor of Music

STRICKLIN, TERESA CHEATAM (2003) B.A., Jacksonville State University; M.M., University of Louisville
Instructor of Music

SULT, TEJE H. (2006) B.S., Jacksonville State University; M.S., Murray State University
Instructor of Applied Engineering

TANG, YINGQI (2009) B.S., Shanghai Automobile and Tractor University; M.S., Umea University; M.L.S., North Carolina Central University

THOMAS, JAMES L. (1999) B.B.A., M.B.A., and Ph.D., University of Mississippi

THORNBURG, GENA (2001) B.S., Auburn University; M.A. and Ph.D., The University of Alabama
Professor of Education

THORNBURG, ROLAND A. (2002) B.S.Ed. and M.S.Ed., Jacksonville State University; Ed.D., University of Southern Mississippi
Professor of Kinesiology

THORNTON, DAVID C. (2003) B.S. and M.S., Jacksonville State University; Ph.D., Auburn University
Associate Professor of Computer Science

TINNON, VICKI L. (2016) B.S. and B.A., University of South Alabama; M.S., The University of Alabama; Ph.D., Kansas State University
Assistant Professor of Geography

TOLLEY-JORDAN, LORI (2010) B.S., University of Arkansas; M.S., Southwest Texas State University; Ph.D., The University of Alabama
Associate Professor of Biology

TOWNSEL, KIM (2009) B.S., Jacksonville State University; M.A. and Ed.D., The University of Alabama
Assistant Professor and Technical Education

TRASK, JACQUELINE (2014) B.S.W., Jacksonville State University; M.S.W., Clark Atlanta University; Ph.D., The University of Alabama
Assistant Professor of Social Work

TRIFAS, MONICA (2005) B.S. and M.S., University of Bucharest; Ph.D., Louisiana State University
Associate Professor of Computer Science

TRIPLETT, JIMMY (2010) B.A., University of North Carolina; Ph.D., Iowa State University
Associate Professor of Biology

TRONCALE, JENNIFER M. (2011) B.S., M.A., Ed.S., and Ph.D., The University of Alabama
Assistant Professor of Education

TRUNKS, CHRISTI G. (2015) B.S.E., The University of Alabama; M.S.E., University of Alabama at Birmingham; Ph.D., The University of Alabama
Assistant Professor of Elementary Education

TSENG, HUNGWEI (2014) B.S., Hua-Fan University; M.A. and Ph.D., University of Northern Colorado
Assistant Professor of Educational Resources and Instructional Designer, Online@JSU

TURLEY, FALYNN (2010) B.S. and M.S., Jacksonville State University
Instructor of Business Statistics

TURNER, TOMMY (2003) B.A. and M.A., Samford University; M.Div., New Orleans Baptist Theological Seminary; Ph.D., The University of Alabama
Associate Dean, School of Education and Professor of Counselor Education

UPCHURCH, JOHN BRUCE (2015) B.A. Western Kentucky University; M.A. and M.L.I.S. The University of Alabama
Assistant Professor/Librarian and Head of Public Services

VAN SLYKE, JEFFREY (2012) B.S., Auburn University; M.P.A., Western Carolina University; Ed.D., University of Texas at Austin
Assistance Professor of Emergency Management

VANN, CHARLCIE P. (2006) B.S., St. Peter's College; M.L.S., North Carolina Central University
Associate Professor and Librarian

WAITS, PHYLLIS (2005) B.S.N., Jacksonville State University; M.S.N., University of Alabama at Birmingham; Ed.D., The University of Alabama
Associate Professor of Nursing

WALKER, LAURA PRUITT (2008) B.S.N. and M.S.N., Jacksonville State University; D.H.Ed., A.T. Still University
Associate Professor of Nursing

WALLACE, MELANIE (2007) B.S. and M.Ed., University of Montevallo; Ph.D., The University of Alabama
Associate Professor of Education Resources

WALSH, JOSEPH (2014) B.S., Middle Tennessee State University; M.S. and Ed.D., The University of Memphis
Vice Provost and Professor of Educational Resources

WANG, CHONGMING (2017) B.S., East China Normal University; M.S., Pennsylvania State University; Ph.D., Pennsylvania State University
Assistant Professor of Emergency Management

WANG, HANRONG (2000) B.A., Huazhong Normal (Teacher's) University; M.L.I.S. and M.Ed., University of Southern Mississippi
Professor and Librarian

WARFIELD, KIMBERLY (2015) B.S. and M.S., Jackson State University; Ed.S. and Ed.D., Mississippi College
Assistant Professor of Instructional Leadership

WATKINS, RICHARD (2013) B.S. and M.S., Jacksonville State University
Instructor of Biology

WEATHERS, AIMEE (2015) B.S.E., Livingston University; M.S.E., Jacksonville State University
Instructor of Elementary Education

WEBB, SHEILA ANNE (1997) B.A., M.A., and Ph.D., University of Iowa
Professor of Educational Foundations

WEINKAUF, LAURA (1998) B.A., Carleton College; Ph.D., Pennsylvania State University
Associate Professor of Physics

WESTBROOKS, KIMBERLY (2016) B.A., Jacksonville State University; M.L., The University of Alabama
Assistant Professor and Librarian

WHEAT, VALERIE (2012) B.S. and M.S., Jacksonville State University
Instructor of Curriculum and Instruction

WHITE, AUDRIA (1999) B.S. and M.S.E., Jacksonville State University
Distinguished Lecturer of Mathematics

WHITE, PAMELA (2015) B.A. and M.A., Jacksonville State University
Instructor of Learning Skills

WHORTON, KIMBERLY (1997) B.S. and B.S.W., Jacksonville State University; M.S.W., The University of Alabama
Instructor of Social Work

WICKERSHAM, KIMBERLY (2017) B.A. Birmingham-Southern College; M.S.W., University of Alabama; Ph.D., University of Alabama
Assistant Professor of Social Work

WIGHT, NATHAN N. (2003) B.S. and B.A., Abilene Christian University; M.M., Rice University; D.M.A., Arizona State University
Professor of Music

WILSON, PRISCILLA (2011) B.A., Tulane University; M.S., Jacksonville State University; Ph.D., The University of Alabama
Assistant Professor of Education

WILLIAMS-PRICKETT, ANITA K. (2002) B.S., Jacksonville State University; M.S.N. and Ph.D., University of Alabama at Birmingham
Professor of Nursing

WILLIAMS, KATELYN (2014) B.A., Samford University; M.A., Jacksonville State University
Instructor of English

WILLIAMS, LISA M. (1987) B.S. and M.A., Auburn University
Associate Vice Provost and Instructor of English

WILLIAMSON, MYRNA (2013) A.S., Snead State Community College; B.S.N., Samford University; M.S.N., Jacksonville State University; Ed.D., The University of Alabama
Assistant Professor of Nursing

WOFFORD, SARAH (2018) B.S., University of Alabama; M.S. and Ph.D., Bowling Green State University
Assistant Professor of Biology

WOODWARD, JAMES CHARLES (2010) B.F.A., University of Wisconsin; M.M., University of Southern California; D.M.A., Arizona State University
Associate Professor of Music

WORMELY, ARLINDA (2017) B.S.N. Jacksonville State University; M.P.A. Jacksonville State University; M.S.N. The University of Alabama at Birmingham; D.N.P. The University of Alabama at Birmingham
Assistant Professor of Nursing

YOUNG, WILIAM (2014) B.S.E., M.A.E., Ed.S., and Ed.D., The University of Alabama
Assistant Professor of Instructional Leadership

YI, XIANG (2014) B.A., Peking University; MHRIR and Ph.D., University of Illinois at Urbana-Champaign
Professor of Management

ZANZIG, JEFF (2000) B.S. and M.B.A., Jacksonville State University; M.A.C., University of Alabama at Birmingham;
Ph.D., University of Mississippi

Professor of Accounting

ZETTILI, NOUREDINE (2000) B.S., University of Algiers; M.S. and Ph.D., Massachusetts Institute of Technology
Professor of Physics

KEY TO DEPARTMENT/COURSE ABBREVIATIONS

ACC	ACCOUNTING
AE	APPLIED ENGINEERING (Technology)
AN	ANTHROPOLOGY
ART	ART
BY	BIOLOGY
CBA	GENERAL BUSINESS
CIS	COMPUTER INFORMATION SYSTEMS
CJ	CRIMINAL JUSTICE
CLD	COLLABORATIVE TEACHER K-6, 6-12
COM	COMMUNICATION
CS	COMPUTER SCIENCE
CTE	CAREER / TECHNICAL EDUCATION
CY	CHEMISTRY
DR	DRAMA
EC	ECONOMICS
ECE	EARLY CHILDHOOD EDUCATION
EED	ELEMENTARY EDUCATION
ED	EDUCATION
EG	ENGINEERING
EH	ENGLISH
EIM	INSTRUCTIONAL MEDIA
EM	EMERGENCY MANAGEMENT
EPY	EDUCATIONAL PSYCHOLOGY
ESC	ENVIRONMENTAL SCIENCE
ESE	SECONDARY EDUCATION
ESW	EXERCISE SCIENCE & WELLNESS
FCS	FAMILY AND CONSUMER SCIENCE
FH	FRENCH
FI	FORENSIC INVESTIGATION
FIN	FINANCE
FL	FOREIGN LANGUAGE
GL	GEOLOGY
GY	GEOGRAPHY
HPE	HEALTH AND PHYSICAL EDUCATION
HY	HISTORY
IME	INFORMATION MANAGEMENT / E-COMMERCE
ISU	INSTRUCTIONAL SERVICE UNIT
LS	LEARNING SKILLS
MBY	MARINE BIOLOGY
MGT	MANAGEMENT
MKT	MARKETING
MS	MATHEMATICS
MSC	MILITARY SCIENCE
MU	MUSIC
NU	NURSING
PHS	PHYSICS
PSC	POLITICAL SCIENCE
PST	PUBLIC SAFETY TECHNOLOGY
PSY	PSYCHOLOGY
RDG	READING
REC	RECREATION
RT	RESPIRATORY THERAPY
SH	SPANISH
SMR	SPORT MANAGEMENT AND RECREATION STUDIES
SPE	SPECIAL EDUCATION
ST	BUSINESS STATISTICS
STU	STUDENT AFFAIRS
SW	SOCIAL WORK
SY	SOCIOLOGY

INDEX

Academic Regulations	23
ACT	8
Academic Standing	27
Academic Forgiveness	27
Accounting	83
Accrediting Agencies	2
Administrative Structure	221
Admission Requirements	6
Early Admission	11
Freshman Admission	7
International	9
Returning Student	10
Transfer Admission	8
Transient Admission	10
Advanced International Certificate of Education	32
Advanced Placement	31
American Disabilities Act (ADA)	37
Anthropology	208
Application for Degree	28
Applied Engineering	95
Art	47
Athletics	41
Attendance at Class	28
Audit (Course)	24
Bachelor of Arts Degree	44
Bachelor of Fine Arts	44
Bachelor of Science Degree	44
Bachelor of Science in Education	45
Bachelor of Science in Nursing	45
Bachelor of Science in Respiratory Therapy	45
Bachelor of Social Work	45
Benchmark for Success	46
Biology	186
Board of Trustees	4
Bookstore	39
Brookstone	11
Business Program – Lower Division	82
Candidates for Degrees	28
Career Services	39
Career/Technical Education FCS	129
Catalog Time Limits	23
Cellular and Molecular Biology	186
Chemistry	209
Chemistry and Geosciences	208
Child Development	118
Child Development Center	39
Class Load	24
Class Size	28
Classification	24
CLEP	30
Code of Student Conduct	34
Collaborative Teacher K-6 and 6-12	112
Communication	104
Community Nutrition FCS	124
Computer Science and Information Systems	204
Cooperative Education Program	220
Core Scholars/Dual Enrollment	11
Correspondence Courses	30
Counseling	40
CPA Examination	83
Credit by Challenge	30
Criminal Justice	156
Curriculum and Instruction	111
Degree Summaries	43
Dietetics FCS	123

Dining Services	21
Disability Support Services	40
Dismissal, Academic	27
Drama	53
Duplication of Courses	26
Economics	86
Economics Business	83
Education Program Requirements	109
Educational Psychology	132
Educational Resources	131
Elementary Education/Early Childhood Education	111
Email, My.JSU	39
Emergency Management	164
Engineering	103
English	57
English Competency Exam (ECE)	29
English Language Institute	42
Exercise Science and Wellness	133
Faculty	236
Family and Consumer Sciences	116
Family Educational Rights & Privacy Act (FERPA)	36
Film and Entertainment Technology	53
Finance	84
Financial Policy	12
First Year Experience	28
Foreign Language	66
Forensic Investigation	158
French	67
Gadsden, (JSU)	11
Gender Studies	62
General Business	87
General Science	214
Geography	214
Geology	217
Gerontology	180
Grades	25
Appeals	26
Changes in Final Grade	26
Mid-Term/Final	26
Graduation Requirements	29
History	61
Honors	26
Honors Program	45
Hospitality and Culinary Management FCS	125
Housing Operations and Residence Life	21
Human Sciences FCS	120
ID Card	39
Industrial Leadership	98
Instructional Media	132
Instructional Services	40
Integrated Studies	46
International Baccalaureate	32
International Business	80
International House	41
International Programs and Services	42
International Students	9
International Studies	172
Key to Departmental/Course Abbreviations	248
Kinesiology	133
Learning Services	40
Learning Skills	218
Library, Houston Cole	41
Mail Center	39
Management	84
Manufacturing	95

Marine Biology	197
Marketing	85
Mathematics	198
Merchandising FCS	122
Military Transfer Credit.....	29
Military Science	169
Military Withdrawal.....	25
Mission of the University	5
Motor Vehicles	38
Music	69
Music Education	69
Non-Traditional Credit	29
Nursing	145
Occupational Safety and Health Management	99
Online Education	33
Orientation	11
Payment Plan	12
Permanent Record	37
Physical Education.....	136
Physics	217
Political Science and Public Administration	172
Pre-Engineering	45
Pre-Health Professions	45
Pre-Law Courses	45
Privacy Rights of Students	36
Probation, Academic	27
Psychology	176
Public Administration.....	173
Public Safety	38
Public Safety Telecommunications	164
Registration	24
Reinstatement, Academic.....	27
Release of Student Records	37
Replacement Course Policy	26
Requirements, Students	24
Requirements, Graduation Tests	29
Respiratory Therapy.....	151
SAT.....	8
School of Arts and Humanities.....	46
School of Business and Industry.....	79
School of Education	108
School of Health Professions and Wellness	133
School of Human Services and Social Sciences	156
School of Science	186
Second Chance	28
Secondary Education	129
Sequence of Courses	28
Social Security Number	37
Social Work	179
Sociology	179
Spanish	68
Special Education, Collaborative Teacher K-6, 6-12	112
Sport Management and Recreation Studies	137
Staff	225
Statistics	91
Student Affairs	219
Student Conduct	34
Student Financial Services.....	16
Student Health Center	40
Student Load	24
Suspension, Academic	27
Tests and Examinations	29
Title IX Gender-Based and Sexual Misconduct Policy	35
Transfer Credit	8
Transcripts	37
Transient Credit	29

Tuition, Fees	12
Tutoring Services	40
University Drug-Free Workplace Policy	38
Veterans Services	18
Vision Statement	5
Warning, Academic	27
Withdrawals	24

Official School Catalog Addendum – Terms Beginning after 3/1/2019 (PL 115-251 Sec. 301)

The following individuals shall be charged a rate of tuition not to exceed the in-state rate for tuition and fees purposes:

- A Veteran using educational assistance under either chapter 30 (Montgomery G.I. Bill – Active Duty Program) or chapter 33 (Post-9/11 G.I. Bill), of title 38, United States Code, who lives in Alabama while attending a school located in Alabama (regardless of his/her formal State of residence) and enrolls in the school within three years of discharge or release from a period of active duty service of 90 days or more.
- Anyone using transferred Post-9/11 GI Bill benefits (38 U.S.C. § 3319) who lives in Alabama while attending a school located in Alabama (regardless of his/her formal State of residence) and enrolls in the school within three years of the transferor's discharge or release from a period of active duty service of 90 days or more.
- Anyone described above while he or she remains continuously enrolled (other than during regularly scheduled breaks between courses, semesters, or terms) at the same school. The person so described must have enrolled in the school prior to the expiration of the three year period following discharge or release as described above and must be using educational benefits under either chapter 30 or chapter 33, of title 38, United States Code.
- Anyone using benefits under the Marine Gunnery Sergeant John David Fry Scholarship (38 U.S.C. § 3311(b)(9)) who lives in Alabama while attending a school located in Alabama (regardless of his/her formal State of residence).
- Anyone using transferred Post-9/11 G.I. Bill benefits (38 U.S.C. § 3319) who lives in Alabama while attending a school located in Alabama (regardless of his/her formal state of residence) and the transferor is a member of the uniformed service who is serving on active duty.
- Anyone using educational assistance under chapter 31, Vocational Rehabilitation/Employment (VR&E), also be charged the resident rate. Effective for courses and terms beginning **after March 1, 2019**, a public institution of higher learning must charge the resident rate to chapter 31 participants, as well as the other categories of individuals described above. When an institution charges these individuals more than the rate for resident students, VA is required to disapprove programs of education sponsored by VA.
- The policy shall be read to be amended as necessary to be compliant with the requirements of 38 U.S.C. 3679(c) as amended.

I certify the above current policy is true and correct:

Jacksonville State University
Name of School

12-6-18
Date

John M. Beeble
Signature/Title of individual authorized to make official revisions to the catalog

PROVIDEST
DEC 3 PM3:07

**NURSING (NU)
COURSE DESCRIPTIONS**

- 343. Concepts of Emergency/Disaster Nursing (3).** *Prerequisite: Assessment into STEP program. For RN students only.* Course designed to assist students in utilizing knowledge from the biophysical and psychosocial sciences to implement care for patients in the pre-hospital emergency setting.
- 350. Professional Roles (5).** *Prerequisite: Assessment into STEP program. For RN students only.* Course designed to assist the registered nurse in making the transition to the professional role (BSN).