

College of
Graduate Studies Bulletin
2012-2013

of

**Jacksonville
State University**

700 Pelham Road North
Jacksonville, Alabama 36265-1602

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

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JACKSONVILLE STATE UNIVERSITY

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The *Graduate Bulletin* is published on the JSU website. All information contained in the *Bulletin* is subject to change. Information on changes will be available on the Graduate Studies website listed as an addendum to the *Graduate Bulletin*.

Jacksonville State University is an Equal Opportunity/Affirmative Action Institution

TABLE OF CONTENTS

<u>Graduate Programs</u>	<u>4</u>
<u>Online Programs and Certificates.....</u>	<u>7</u>
<u>Board of Trustees</u>	<u>9</u>
<u>History of JSU.....</u>	<u>10</u>
<u>Mission Statement, Goals and Core Values.....</u>	<u>11</u>
<u>Location of JSU.....</u>	<u>12</u>
<u>University Calendar</u>	<u>13</u>
<u>Admission to Graduate Study.....</u>	<u>16</u>
<u>Application Procedures.....</u>	<u>18</u>
<u>Academic Regulations and Procedures</u>	<u>39</u>
<u>Academic and Student Services.....</u>	<u>48</u>
<u>Student Financial Aid.....</u>	<u>55</u>
<u>Financial Fees and Policies</u>	<u>61</u>
<u>Anthropology</u>	<u>66</u>
<u>Biology.....</u>	<u>67</u>
<u>Marine Environmental Sciences Consortium.....</u>	<u>75</u>
<u>Business Administration (MBA).....</u>	<u>79</u>
<u>Chemistry.....</u>	<u>88</u>
<u>Computer Systems and Software Design.....</u>	<u>89</u>
<u>Criminal Justice.....</u>	<u>97</u>
<u>Drama</u>	<u>101</u>
<u>Education</u>	<u>102</u>
<u>Emergency Management.....</u>	<u>210</u>
<u>English.....</u>	<u>218</u>
<u>Environmental Science Management.....</u>	<u>223</u>
<u>Geographical Information Systems</u>	<u>225</u>
<u>Geography</u>	<u>227</u>
<u>History.....</u>	<u>229</u>
<u>Liberal Studies.....</u>	<u>235</u>
<u>Manufacturing Systems Technology.....</u>	<u>237</u>
<u>Mathematics</u>	<u>241</u>
<u>Music</u>	<u>246</u>
<u>Nursing</u>	<u>259</u>
<u>Physics.....</u>	<u>266</u>
<u>Political Science.....</u>	<u>267</u>
<u>Psychology.....</u>	<u>270</u>
<u>Public Administration (MPA).....</u>	<u>275</u>
<u>Sport Management</u>	<u>286</u>
<u>Visual Communication and Design.....</u>	<u>288</u>
<u>University Administration</u>	<u>292</u>
<u>Academic Administration</u>	<u>292</u>
<u>Emeriti.....</u>	<u>293</u>
<u>Graduate Council.....</u>	<u>296</u>
<u>Graduate Studies Staff.....</u>	<u>297</u>
<u>Graduate Faculty.....</u>	<u>297</u>
<u>Course Prefixes.....</u>	<u>313</u>
<u>Index.....</u>	<u>315</u>

GRADUATE PROGRAMS

Minimum requirements for graduation vary among degrees and majors. General admission requirements are found on pages 16-17, application procedures are found on pages 18-32, and specific program requirements are in the program descriptions listed on pages 66-291.

GRADUATE DEGREE TITLES

Doctor of Science (DSc)
 Educational Specialist (EdS)
 Master of Arts (MA)
 Master of Business Administration (MBA)
 Master of Fine Arts (MFA)
 Master of Public Administration (MPA)
 Master of Science (MS)
 Master of Science in Education (MSE)
 Master of Science in Nursing (MSN)

GRADUATE MAJORS AT THE DOCTORATE LEVEL

Doctor of Science
 Emergency Management

GRADUATE MAJORS AND CONCENTRATIONS AT THE EDUCATIONAL SPECIALIST LEVEL

Educational Specialist
 Education
 Counselor Education
 Instructional Leadership
 Education/Ed.S. Level
 Collaborative Teacher/Special Education
 Early Childhood Education
 Elementary Education
 Library Media (P-12)
 Physical Education
 Teacher Leader
 Counselor Education/Ed.S. Level
 Community Agency Counseling
 School Counseling
 (certification & non-certification admission options)
 Secondary Education/Ed.S. Level
 Biology
 English Language Arts
 General Science
 History
 Mathematics
 Social Science

GRADUATE MAJORS AND CONCENTRATIONS AT THE MASTERS LEVEL

Art

Visual Communication and Design/MFA

Biology/MS

Business Administration/MBA

Accounting

General Business

Collaborative Teacher/Special Education/MSE

K-6

6-12

Community Health Nursing/MSN

Computer Systems and Software Design/MS

General

Information Security and Assurance

Counselor Education/MS

Community Agency Counseling

School Counseling (P-12)

(certification and non-certification admission options)

Criminal Justice/MS

Early Childhood Education/MSE

Early Childhood Special Education/MSE

Elementary Education/MSE

Emergency Management/MS

English/MA

History/MA

Instructional Leadership/MSE

Liberal Studies/MA

Library Media/MSE

Manufacturing Systems Technology/MS

Mathematics/MS

Music/MA

General Music

Music Education

Nursing/MSN

Community Health Nursing

Graduate Certificate in Nursing Education

Physical Education/MSE

P-12 Teacher Education

Human Performance

Nutrition

Psychology/MS

Public Administration/MPA

Administrative Management

Criminal Justice

Education
Emergency Management
Environmental Science Management
Geographical Information Systems
Political Science
Reading Specialist/MSE
Secondary Education/MSE
Biology
Business Marketing Education (6-12)
English Language Arts
Family and Consumer Sciences
General Science
History
Mathematics
Social Science
Sport Management/MS
Sport Management (teacher certification)
Sport Management (non-teacher certification)

GRADUATE CERTIFICATE PROGRAMS

[Emergency Management](#)
[Environmental Science Management](#)
[Geographical Information Systems](#)
[Nursing Education](#)
[Sport Management](#)

There is a program section in this *Graduate Bulletin* for each major and concentration. These program sections clearly outline the admission requirements, curriculum, and graduation requirements for each program.

ONLINE GRADUATE PROGRAMS AND CERTIFICATES

BUSINESS

Master of Business Administration

COMPUTER SCIENCE

Master of Science in Computer Systems & Software Design

General

Information Security and Assurance

EDUCATION

Educational Specialist

Community Agency Counseling

Instructional Leadership

Library Media (P-12)

School Counseling

Teacher Leader

Master of Science in Education

Collaborative Teacher/Special Education (K-6)

Collaborative Teacher/Special Education (6-12)

Early Childhood Education

Instructional Leadership

Library Media (P-12)

Physical Education

Pedagogy

Nutrition

Human Performance

Secondary Education

Business Marketing Education (6-12)

Family and Consumer Sciences

Master of Science in Sport Management

Teacher Certification

Non-Teacher Certification

EMERGENCY MANAGEMENT

[Graduate Certificate in Emergency Management](#)

Master of Science in Emergency Management

Doctor of Science in Emergency Management

GEOGRAPHY

[Graduate Certificate in Geographical Information Systems](#)

NURSING

Master of Science in Nursing

Community Health Nursing

[Graduate Certificate in Nursing Education](#)

PUBLIC ADMINISTRATION

Master of Public Administration

Administrative Management

Criminal Justice

Education

Emergency Management

Geographical Information Systems

TECHNOLOGY

Master of Science in Manufacturing Systems Technology

BOARD OF TRUSTEES

The Honorable Robert Bentley
Governor of Alabama
President

NAME	CONGRESSIONAL DISTRICT
Vivian D. Figures	First
Gale Saxon Main	Second
James L. Coxwell, Sr.	Third
William Ronald (Ronnie) Smith	Third
Clarence W. Daugette III	Fourth
Randall Earlie Jones	Fifth
Jim Bennett	Sixth
Thomas W. Dedrick, Sr.	Seventh
Randy Owen	At-Large

Dr. Tommy Bice, State Superintendent of Education, *Ex officio*

HISTORY

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 again changed, 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 eleven presidents: James G. Ryals, Jr. (1883-85), J. Harris Chappell (1885-86), Carlton Bartlett Gibson (1886-92), J.B. Jarrett (1892-1893), Jacob Forney IV (1893-1899), Clarence William Daugeette (1899-1942), Houston Cole (1942-1971), Ernest Stone (1971-1981), Theron E. Montgomery (1981-1986), Harold J. McGee (1986-1999), and William A. Meehan (1999-present).

Jacksonville State University has developed into a modern regional university serving Northeast Alabama on a 459 acre campus with 58 buildings. In addition to the main campus, the University offers undergraduate and graduate courses at its off-campus center at Gadsden (JSU-Gadsden) and distance learning opportunities at numerous sites throughout its service area. Through its programs of teaching, research, and service, Jacksonville State University has served the region and state for more than one hundred years.

The Jacksonville State University Higher Education Consortium was established in 2003. The McClellan campus houses both Jacksonville State University and Gadsden State Community College.

The offices of Continuing Education, In-Service Education Center, Institute of Emergency Preparedness, and the Northeast Alabama Police Academy have called JSU McClellan Center home since the beginning of 2004. The Archaeological Resource Laboratory and the Alabama Department of Forensic Sciences lab have also joined the campus.

VISION STATEMENT

Jacksonville State University will be the regional comprehensive institution of choice for students who want a strong, high quality education. Students will be challenged academically by dedicated and accessible faculty and have access to the latest technology to develop skills for success in an expanding global community. Curricula offerings will utilize developing methods of instruction to eliminate barriers of time and distance and allow the JSU experience to transcend regional boundaries. Highly responsive services that demonstrate the institution's commitment to continuous improvement will ensure JSU's reputation as the friendliest campus in the South.

MISSION STATEMENT

Jacksonville State University is a public, comprehensive teaching institution that provides educational, cultural, and social experiences for a diverse undergraduate and graduate student population. As a student-centered university, Jacksonville State University strives to balance academic challenges with a range of support services for students' academic, career, and personal goals. As an academic institution, Jacksonville State University seeks to produce broadly educated graduates with skills for employment, citizenship, and life-long learning. As a comprehensive university, Jacksonville State University supports scholarly and service activities consistent with its academic and professional strengths.

UNIVERSITY GOALS

1. Educate students to be productive, responsible citizens and effective leaders.
2. Advance student learning through academic excellence.
3. Increase student and faculty participation in research and service activities.
4. Create a diverse learning community that facilitates academic and professional excellence.
5. Effectively use technology to support learning, research, information management and evidence-based decision-making.
6. Continuously improve administrative processes and services.
7. Enhance revenue growth and financial planning to ensure adequate fiscal resources for the University.

UNIVERSITY CORE VALUES

1. The social, intellectual, cultural, and physical development of students, faculty, and staff.
2. Being the friendliest campus in the South.
3. Providing an affordable quality education.
4. Maintaining a diversity of faculty, staff, and student body.
5. The support of intellectual and academic freedom, dialogue, and the free exchange of ideas.
6. Quality teaching to prepare students for employment, citizenship and lifelong learning.
7. Student accessibility of faculty and staff.
8. Maintaining a beautiful campus that preserves the historical architecture of the University.
9. Collegial decision-making.
10. Excellence in all aspects of university life.
11. Providing a continuous-improvement environment.
12. Providing access to state-of-the-art technology.

LOCATION

The University is located in the foothills of the Appalachian Mountains midway between Birmingham and Atlanta in Jacksonville, a town of about 10,000 permanent residents. The University is on Alabama Highways 21 and 204 about 20 miles north of Interstate 20 at the Anniston/Oxford exit 185.

From Birmingham, AL:

Take I-20 East to Exit 185 (Anniston/Oxford – Alabama Highway 21). Turn left onto Alabama Highway 21 North. Go through Oxford, Anniston/McClellan, and the Jacksonville square (about 20 miles). You will see twelve story Houston Cole Library on the right and the marble University sign on the left. The entrance to the university is on your left. Please consult the Campus Map for your desired location.

From Atlanta, Georgia:

Take I-20 West to Exit 185 (Anniston/Oxford – Alabama Highway 21). Merge right onto Alabama Highway 21 North. Go through Oxford, Anniston/McClellan, and the Jacksonville square (about 20 miles). You will see twelve story Houston Cole Library on the right and the marble University sign on the left. The entrance to the university is on your left. Please consult the Campus Map for your desired location.

From Huntsville, AL:

Take US-HWY 431 (Governor's Drive) South through Gadsden. Once south of Gadsden, turn left onto AL-HWY 204. Highway 204 leads directly to campus. Please consult the Campus Map for your desired location.

From Montgomery, AL:

Take US-HWY 231 North. In Sylacauga, take AL-HWY 21 North off of US-HWY 231. Go through Talladega, Oxford, Anniston/McClellan, and the Jacksonville square (about 20 miles). You will see twelve story Houston Cole Library on the right and the marble University sign on the left. The entrance to the university is on your left. Please consult the Campus Map for your desired location.

From Rome, Georgia:

Travel on Highway 27 South to Cedartown and take US-HWY 278 West to Piedmont, Alabama. In Piedmont, turn left on HWY 200. Highway 200 merges onto AL HWY 21 South. Follow HWY 21 South to Jacksonville. You will see twelve story Houston Cole Library on the left and the marble University sign on the right. The entrance to the university is on your right. Please consult the Campus Map for your desired location.

UNIVERSITY CALENDAR

Jacksonville State University (JSU) is on a semester calendar that includes a fall and spring semester. Summer terms vary in length from four to six to eight weeks. The fall semester usually begins in late August and ends in mid December. The spring semester begins after New Year's Day and ends in late April or early May. The summer terms begin in early May, early June, and early July, and conclude in early August. Specific dates for semesters and terms are available from the Registrar's Office, Room 113 Bibb Graves Hall. The JSU Class Schedule is online. The Class Schedule can be searched by Term, Subject, Time, Instructor, and more. For the online class schedule, go to: <http://www.jsu.edu/registrar/registration.html>.

The University Academic Calendar for 2012-2013 will be made available on the JSU Graduate Studies website, <http://www.jsu.edu/graduate>, or at http://www.jsu.edu/academic_calendar.html.

FALL SEMESTER 2012

Mar 12	2012 Fall Semester pre-registration begins
Aug 7-13	Fall pre-registration closed
Aug 6	Total balance due
Aug 14	Fall registration opens
Aug 28	Classes begin – Late Registration Fee Charged
Sept 3	Labor Day Holiday
Sept 4	Total Balance Due
Sept 4	Last day to register or add classes
Sept 4	Last day to drop or withdraw from all classes and receive 100% tuition refund
Sept 4	Application for Degree/Comprehensive Examination for the 2012 Fall Semester due in Graduate Office
Sept 4	Application for Graduate Certificate (Non Education) for the 2012 Fall Semester due in Graduate Office
Sept 11	Last day to withdraw from all classes and receive 80% tuition refund
Sept 25	Last day to withdraw from all classes and receive 50% tuition refund
Oct 19	Mid-term Grades Due
Oct 24	Final Thesis Draft for 2012 Fall graduation due in Graduate Office for review
Oct 26	Last Day to drop or withdraw without academic penalty
Nov 16	Last Day to drop passing or withdraw
Nov 21-23	Thanksgiving Holiday
Nov 30	Last Day of Class
Dec 3-8	Final Exams for 2012 Fall Semester
Dec 5	ALL Comprehensive Examination Results from faculty due in Graduate Office by 4:30 p.m.
Dec 5	Final signed thesis copies for 2012 Fall graduation due in Graduate Office
Dec 11	Grades due to the Registrar's Office
Dec 14	Commencement

SPRING SEMESTER 2013

Jan 7	Classes begin – late registration fee charged
Jan 21	Martin Luther King, Jr. Day
Jan 14	Application for Degree/Comprehensive Examination for 2012 Spring Semester due in Graduate Office
Jan 14	Application for Graduate Certificate (Non-Education) for 2012 Spring Semester due in Graduate Office
Mar 6	Final thesis draft for 2013 Spring graduation due to Graduate Office for review
Mar 25-29	Spring Vacation
Apr 12	Last Day of Class
Apr 15-20	Final exams for 2013 Spring Semester
Apr 17	Final signed thesis copies for 2013 Spring graduation due in Graduate Office
Apr 17	ALL comprehensive examination results from faculty due in Graduate Office by 4:30 p.m.
Apr 23	All Grades Due
Apr 26	Commencement

SUMMER 2013**May 4 Week**

May 6	Classes Begin – Late Registration Fee charged
May 27	Memorial Day Holiday
May 30	Final Exams
June 3	All Grades Due

May 6 Week

May 6	Classes Begin – Late Registration Fee charged
May 27	Memorial Day Holiday
June 13	Final Exams
June 17	All Grades Due

May 8 Week

May 6	Classes Begin – late Registration Fee charged
May 27	Memorial Day Holiday
June 27	Final Exams
July 1	All Grades Due

May 12 Week

May 6	Classes Begin – Late Registration Fee charged
May 27	Memorial Day Holiday
July 4	Independence Day
July 25	Final Exams
July 29	All Grades Due

June 4 Week

June 3	Classes Begin – Late Registration Fee charged
June 27	Final Exams
July 1	All Grades Due

June 6 Week

June 17	Classes Begin – Late Registration Fee charged
July 4	Independence Day
July 25	Final Exams
July 29	All Grades Due

June 8 Week

June 3	Classes Begin – Late Registration Fee charged
July 4	Independence Day
July 25	Final Exams
July 29	All Grades Due

July 4 Week

July 1	Classes Begin – Late Registration Fee charged
July 4	Independence Day
July 25	Final Exams
July 29	All Grades Due
Aug 2	Commencement

Thesis Due Dates for Summer 2013

Jun 12	Final thesis draft for 2013 Summer graduation due to Graduate Office for review
July 24	Final signed thesis copies for 2013 Summer graduation due to Graduate Office

ADMISSION TO GRADUATE STUDIES

Applicants must meet admission requirements for the program to which they are applying. For specific requirements of a particular program, see the appropriate program section of this *Bulletin*.

To apply for admission to the College of Graduate Studies, a prospective student must complete an online "Graduate Application for Admission" and the \$30 application fee to the College of Graduate Studies, Jacksonville State University, 700 Pelham Road North, Jacksonville, Alabama, 36265-1602, or may apply online at http://www.jsu.edu/graduate/grad_app.html. Internet applications must be submitted with payment by Discover, MasterCard, or VISA.

Applications may be made a year in advance of the expected date of enrollment. A minimum of three months before the beginning of the term is recommended. Applications will be valid for a period of two years. Anyone wishing to reapply after the two-year period must submit a new graduate admission application packet, along with the \$30 application fee, and comply with new admission criteria, where appropriate. A \$30 application fee will be required for all graduate admission applications submitted to Graduate Studies. This will include any returning students who have completed a graduate degree or certificate program.

The deadline for applications to most programs will be on or before the first day of classes for any given semester. First time enrollees for programs with an application deadline of the first day of classes for any given semester must seek immediate advisement as soon as possible to register for classes.

Programs with deadline dates for applications and receipt of all required application materials are listed below. Deadline dates for applications and receipt of all required application materials for the following programs are: July 1 for fall admission, November 1 for spring admission, and April 1 for summer admission.

Counselor Education/Community Agency Counseling
 Counselor Education/School Counseling (certification and non-certification admission options)
 Instructional Leadership
 Library Media
 Master of Business Administration
 Master of Public Administration
 Master of Science with a major in sport management

Master of Science in Psychology - Applicants for the Master of Science with a major in psychology are considered for admission for the fall semester only and all required application materials must be received by August 1. Applications received before April 15 will be given priority consideration. Applications completed after August 1 will be considered for admission in the fall semester of the following year.

Master of Fine Arts in visual communication and design – Applicants for the Master of Fine Arts with a major in visual communication and design are considered for admission for the fall semester only. Fall applications are accepted on an ongoing basis with the review process starting in mid-January.

Doctor of Science with a major in emergency management – Applicants for the Doctor of Science with a major in emergency management are

considered for admission for the fall semester only. Fall applications are accepted with a deadline of March 31.

In programs that do not have an application deadline date, applicants who have submitted an application for admission may be permitted to enroll for one semester of graduate course work, with the permission of the graduate coordinator of their program, while completing all other application requirements. Please refer to each program section of this *Bulletin* for program application and admission requirements. The student will not be allowed to register or pre-register for subsequent semesters until all application requirements have been completed and the student is admitted to graduate studies.

A student is admitted to and may be completing requirements for only one degree or graduate certificate at a time. (Please see Second Master's Degree section of this *Bulletin*.)

UNCONDITIONAL AND CONDITIONAL ADMISSION FOR THE EDUCATIONAL SPECIALIST AND MASTER'S PROGRAMS

Unconditional or conditional admission is determined based on the admission requirements outlined in each program section in this *Bulletin*.

CHANGE OF MAJOR OR CONCENTRATION

If, at any time, a student wishes to change from one major or concentration to another, the student must submit a "Change of Major" form to the College of Graduate Studies (http://www.jsu.edu/graduate/change_major.html). The student must meet the admission and program requirements of the newly selected major or concentration as specified in the *Bulletin* current at the time the student is changing. The student must be in good academic standing in the current major.

APPLICATION PROCEDURES

GRADUATES OF ACCREDITED INSTITUTIONS

To be considered for admission to the educational specialist or a master's degree program, all of the following documentation must be submitted to the College of Graduate Studies, Jacksonville State University, 700 Pelham Road North, Jacksonville, Alabama 36265-1602. Additional admission criteria can be found in each program section of this *Bulletin*.

1. Completed JSU Graduate Application for Admission (http://www.jsu.edu/graduate/grad_app.html)
2. Non-refundable \$30.00 application processing fee
3. Official transcript(s) from all postsecondary institutions attended. (Students who have previously attended JSU do not need to request a transcript from the University.) Students seeking alternative fifth-year teacher certification must submit two (2) official transcripts from all postsecondary institutions attended. One copy is retained in your JSU file and the second copy is forwarded to the State Department of Education for issuance of certification. For additional information on this program, see the Alternative Fifth-Year section of this *Bulletin*
4. Official test scores on the Graduate Management Admission Test (GMAT), General Test of the Graduate Record Examination (GRE), or the Miller Analogies Test (MAT).

Information regarding application for these tests may be obtained by contacting the appropriate organization below.

Graduate Management Admission Test
Educational Testing Service
P.O. Box 6103
Princeton, NJ 08541-6103
Telephone: 1-800-GMAT-NOW or 609-771-7330
Website: www.mba.com
Email: gmt@ets.org

Graduate Record Examination
Educational Testing Service
P.O. Box 6000
Princeton, NJ 08541-6000
Telephone: 866-473-4373 (Princeton, NJ)
609-771-7670 (outside U.S. and Canada)
Website: www.gre.org

Miller Analogies Test
19500 Bulverde Road
San Antonio, TX 78259-3701
Telephone: 1-800-622-3231
www.milleranalogies.com

Miller Analogies Test
 Registration at JSU
 Counseling and Career Services
 Telephone: 256-782-5475
www.jsu.edu/ccservices/mat/html

5. Copies of all clear and renewable teaching certificates held by applicants applying to pursue the following programs:

Educational Specialist (for all concentrations except community agency counseling)

Master of Arts with a major in music and a concentration in music education

Master of Science with a major in counselor education and a concentration in school counseling (traditional certification admission option)

Master of Science with a major in sport management (traditional certification admission option)

Master of Science in Education

ALL certificate(s) should be clear and renewable throughout the program and at graduation.

6. "Verification of Educational Experience" form is required for the following programs. Applicants should contact their superintendent's office/central office for completion of this form or online at <http://www.jsu.edu/graduate/forms.html> or http://www.jsu.edu/graduate/docs/supplement_exp.pdf.

Library Media (Completion of two years of teaching experience required prior to graduation from the program)

Reading Specialist (Completion of two years of teaching experience required prior to enrollment in classes for the master's level certification programs)

School Counseling (Completion of two years of teaching experience required prior to graduation for the master's level certification programs)

Instructional Leadership (Completion of three years of full-time teaching experience prior to admission to the master's program)

7. Background check. Any candidate applying for admission to a state-approved teacher education program shall be required to be fingerprinted for a criminal history background check through the Alabama State Department of Education to the Alabama Bureau of Investigation (ABI) and the Federal Bureau of Investigation (FBI). Applicants should contact Cogent Systems at www.cogentid.com/alabama for direction in completing this process.

8. Three "Graduate Reference Forms" completed by individuals who can provide qualitative assessment of the applicant's potential for success in graduate course work. This form is available online at <http://www.jsu.edu/graduate/forms.html> or http://www.jsu.edu/graduate/docs/ref_forms.pdf.
9. If English is not the applicant's native language, the applicant is required to submit an official Test of English as a Foreign Language (TOEFL) score report or an International English Language Testing System (IELTS) score report or the Pearson Test of English PTE. A minimum score of 500 on the paper-based TOEFL, 173 on the computer-based TOEFL, or 61 on the internet-based TOEFL is required for admission. A minimum score of 5.5 on the IELTS is required for admission. A minimum score of 45 on the PTE is required for admission. The TOEFL, IELTS, or the PTE are not required for international students who have earned a bachelor's degree from a United States regionally accredited institution.

GRADUATES OF UNACCREDITED INSTITUTIONS LOCATED IN THE UNITED STATES

Applicants who hold degrees from unaccredited institutions located in the U.S. must submit to the College of Graduate Studies, Jacksonville State University, 700 Pelham Road North, Jacksonville, Alabama 36265-1602, all of the following documentation to be considered for admission. Additional admission criteria can be found in each individual program section of this *Bulletin*.

1. Completed JSU Graduate Application for Admission (http://www.jsu.edu/graduate/grad_app.html)
2. Non-refundable \$30.00 application processing fee
3. Official transcript(s) from all postsecondary institutions attended
4. Certification of acceptance of degree by the Deans of the graduate schools of three (3) regionally accredited public institutions in the state where the unaccredited institution is located. (For names of accredited public institutions, contact the College of Graduate Studies.)
5. Official test scores on the Graduate Management Admission Test (GMAT), the General Test of the Graduate Record Examination (GRE), or the Miller Analogies Test (MAT).

Information regarding application for these tests may be obtained by contacting the appropriate organization listed below.

Graduate Management Admission Test
Educational Testing Service
P.O. Box 6103
Princeton, NJ 08541-6103
Telephone: 1-800-GMAT-NOW or 609-771-7330
Website: www.mba.com
Email: gmtat@ets.org

Graduate Record Examination
Educational Testing Service
P.O. Box 6000
Princeton, NJ 08541-6000
Telephone: 866-473-4373 (Princeton, NJ)
609-771-7670 (outside U.S. and Canada)
Website: www.gre.org

Miller Analogies Test
19500 Bulverde Road
San Antonio, TX 78259-3701
Telephone: 1-800-622-3231
www.milleranalogies.com

Miller Analogies Test
Registration at JSU
Counseling and Career Services
Telephone: 256-782-5475
www.jsu.edu/ccservices/mat.html
(Walk-ins 8:30 a.m. – 3 p.m. Allow 1.5 hours for testing. \$90 fee)

Rather than the formula requirements listed in the program sections of this *Bulletin*, applicants who hold degrees from unaccredited institutions located in the U.S. must earn a total score on the verbal and quantitative measures of the General Test of the GRE equal to or greater than 900 points or an MAT score equal to or greater than 40 points.

Students applying for admission to the Master of Business Administration (MBA) must submit GMAT scores (minimum score of 400 on GMAT) and meet unconditional admission requirements (see MBA section of this *Bulletin*).

Students applying for admission to the Master of Public Administration (MPA) must submit GMAT, GRE, or MAT scores and meet unconditional admission requirements (see MPA section of this *Bulletin*.)

Students applying for admission to the Master of Science (MS) with a major in computer systems and software design must submit GRE or GMAT scores and meet unconditional admission requirements (see Computer Systems and Software Design section of this *Bulletin*).

Students applying for admission to the Master of Science (MS) with a major in emergency management must submit GRE or MAT scores and meet unconditional admission requirements (see Emergency Management section of this *Bulletin*).

Students applying for admission to the Master of Science (MS) with a major in manufacturing systems technology must submit GMAT, GRE, or MAT scores and meet unconditional admission requirements (see Manufacturing Systems Technology section of this *Bulletin*).

Students applying for admission to the Master of Science in Nursing (MSN) must submit GRE or MAT scores and meet unconditional admission requirements (see Nursing section of this *Bulletin*).

6. Three “Graduate Reference Forms” completed by individuals who can provide qualitative assessment of applicant’s potential for success in graduate course work. This form is online at <http://www.jsu.edu/graduate/forms.html> or http://www.jsu.edu/graduate/docs/ref_forms.pdf.
7. If English is not the applicant’s native language, the applicant is required to submit an official Test of English as a Foreign Language (TOEFL) score report or an International English Language Testing System (IELTS) score report or the Pearson Test of English PTE. A minimum score of 500 on the paper-based TOEFL, 173 on the computer-based TOEFL, or 61 on the internet-based TOEFL is required for admission. A minimum score of 5.5 on the IELTS is required for admission. A minimum score of 45 on the PTE is required for admission. The TOEFL, IELTS, or the PTE are not required for international students who have earned a bachelor’s degree from a United States regionally accredited institution.

The Dean of the College of Graduate Studies will make the final decision regarding a student’s application for admission to graduate studies at JSU.

GRADUATES OF UNACCREDITED INSTITUTIONS LOCATED OUTSIDE THE UNITED STATES

Applicants, including all graduates of international institutions, who hold degrees from unaccredited institutions, must submit to the College of Graduate Studies, Jacksonville State University, 700 Pelham Road North, Jacksonville, Alabama 36265-1602, all of the following documentation to be considered for admission. Additional admission criteria can be found in each individual program section of this *Bulletin*. Federal financial aid is not available to international students.

1. Completed JSU Graduate Application for Admission (http://www.jsu.edu/graduate/grad_app.html)
2. Non-refundable U.S. \$30.00 application processing fee
3. Official transcript(s) from all institutions attended. These official transcript(s) must be accompanied by English translation(s) and an Evaluation of Foreign Education Credentials (course by course evaluation) prepared by an evaluator acceptable to Jacksonville State University. A list of these evaluators is included in the section on International Student Applicants.
4. “International Student Financial Statement.” International students must complete the “International Student Financial Statement,” showing adequate financial resources are available to attend the university. This form is available in the office of the College of Graduate Studies or online at <http://www.jsu.edu/graduate/gradfinance.html>.
5. Official test scores on the Graduate Management Admission Test (GMAT), General Test of the Graduate Record Examination (GRE), or the Miller Analogies Test (MAT).

Information regarding application for these tests may be obtained by contacting the appropriate organization below:

Graduate Management Admission Test
Educational Testing Service
P.O. Box 6103
Princeton, NJ 08541-6103
Telephone: 1-800-GMAT-NOW or 609-771-7330
Website: www.mba.com
Email: gmtat@ets.org

Graduate Record Examination
Educational Testing Service
P.O. Box 6000
Princeton, NJ 08541-6000
Telephone: 866-473-4373 (Princeton, NJ)
609-771-7670 (outside U.S. and Canada)
Website: www.gre.org

Miller Analogies Test
19500 Bulverde Road
San Antonio, TX 78259-3701
Telephone: 1-800-622-3231
www.milleranalogies.com

Miller Analogies Test
Registration at JSU
Counseling and Career Services
Telephone: 256-782-5475
www.jsu.edu/ccservices/mat.html

Rather than the formula requirements listed under the program sections of this *Bulletin*, applicants who hold degrees from unaccredited institutions located outside the United States must earn a total score on the verbal and quantitative sections of the General Test of the GRE equal to or greater than 900 points or an MAT score equal to or greater than 40 points.

Students applying for admission to the Master of Business Administration (MBA) must submit GMAT scores (minimum score of 400 on GMAT) and meet unconditional admission requirements (see MBA section of this *Bulletin*).

Students applying for admission to the Master of Public Administration (MPA) must submit GMAT, GRE, or MAT scores and meet unconditional admission requirements (see MPA section of this *Bulletin*).

Students applying for admission to the Master of Science (MS) with a major in computer systems and software design must submit GMAT or GRE scores and meet unconditional admission requirements (see Computer Systems and Software Design section of this *Bulletin*).

Students applying for admission to the Master of Science (MS) with a major in emergency management must submit GRE or MAT scores and meet unconditional admission requirements (see Emergency Management section of this *Bulletin*).

Students applying for admission to the Master of Science (MS) with a major in manufacturing systems technology must submit GMAT, GRE, or MAT scores and meet unconditional admission requirements (see Manufacturing Systems Technology section of this *Bulletin*).

Students applying for admission to the Master of Science in Nursing (MSN) must submit GRE or MAT scores and meet unconditional admission requirements (see Nursing section of this *Bulletin*).

6. Three "Graduate Reference Forms" completed by individuals who can provide qualitative assessment of applicant's potential for success in graduate course work. This form is available online at <http://www.jsu.edu/graduate/forms.html> or http://www.jsu.edu/graduate/docs/ref_forms.pdf.
7. If English is not the applicant's native language, the applicant is required to submit an official Test of English as a Foreign Language (TOEFL) score report or an International English Language Testing System (IELTS) score report or the Pearson Test of English PTE. A minimum score of 500 on the paper-based TOEFL, 173 on the computer-based TOEFL, or 61 on the internet-based TOEFL is required for admission. A minimum score of 5.5 on the IELTS is required for admission. A minimum score of 45 on the PTE is required for admission. The TOEFL, IELTS, or the PTE are not required for international students who have earned a bachelor's degree from a United States regionally accredited institution.

INTERNATIONAL STUDENT APPLICANTS

An international student is anyone who is not a U.S. citizen, or classified as a permanent resident of the United States. International students who seek admission to JSU must hold either a bachelor's degree from a regionally accredited U.S. institution or a degree equivalent to a bachelor's degree from a regionally accredited U.S. institution. All international students must meet the requirements for unconditional admission; international students are not eligible for conditional admission. International students must submit all of the following documentation to the College of Graduate Studies, Jacksonville State University, 700 Pelham Road North, Jacksonville, Alabama 36265-1602, to be considered for admission. Additional admission criteria can be found in each individual program section of this *Bulletin*. Federal financial aid is not available to international students.

1. Completed JSU Graduate Application for Admission (http://www.jsu.edu/graduate/grad_app.html)
2. Non-refundable \$30.00 application processing fee
3. Official transcript(s) from all institutions attended. Students who have previously attended JSU do not need to request a transcript from the University. These official transcript(s) must be accompanied by English translation(s) and an Evaluation of Foreign Education Credentials (course by course evaluation) prepared by an evaluator acceptable to the University. Following is a list of those evaluators:

Education Credentials Evaluators, Inc.
P.O. Box 514070

Milwaukee, WI 53203-3470
(414) 289-3400
info@ece.org

International Education Research Foundation

P. O. Box 3665
Culver City, CA 90231-3665
(310) 258-9451
www.ierf.org

International Consultants of Delaware, Inc.

625 Barksdale Road, Suite 109
Newark, DE 19711-3258
(302) 737-8715
www.icdel.com

International Education Evaluations, Inc.

7900 Matthews – Mint Hill Rd., Suite 300
Charlotte, NC 28227
(704) 772-0109
www.foreigntranscripts.com

International Evaluation Service

P. O. Box 18358
Anaheim, CA 92817
www.iescaree.com

Lisano International

1381 Lee Road 400
Opelika, AL 36804
Tel and Fax: 334-745-0425
Website: www.Lisano-INTL.com
E-Mail: LisanoINTL@aol.com

World Education Services

Main Office

World Education Services
P.O. Box 5087
Bowling Green Station
New York, NY 10274-5087
Tel: 212-966-6311
Fax: 212-966-6395
www.wes.org

Midwest Office

Tel: 312-222-0882
Fax: 312-222-1217

Southeast Office

Tel: 305-358-6688
Fax: 305-358-4411

West Coast Office

Tel: 415-677-9378
Fax: 415-677-9333

Washington, D.C. Office

Tel: 202-331-2925

Fax: 202-331-2927

4. "International Student Financial Statement." International students must complete the "International Student Financial Statement," showing adequate financial resources are available to attend the university. This form is available in the office of the College of Graduate Studies or online at <http://www.jsu.edu/grad/gradfinance.html>.
5. Official test scores on the GMAT, General Test of the GRE, or the MAT. International students who have earned a bachelor's degree from a United States regionally accredited institution must meet formula requirements as listed in the individual program sections of this *Bulletin*.

Information regarding application for these tests may be obtained by contacting the appropriate organization below.

Graduate Management Admission Test
Educational Testing Service
P.O. Box 6103
Princeton, NJ 08541-6103
Telephone: 1-800-GMAT-NOW or 609-771-7330
Website: www.mba.com
Email: gmtat@ets.org

Graduate Record Examination
Educational Testing Service
P.O. Box 6000
Princeton, NJ 08541-6000
Telephone: 866-473-4373 (Princeton, NJ)
609-771-7670 (outside U.S. and Canada)
Website: www.gre.org

Miller Analogies Test
19500 Bulverde Road
San Antonio, TX 78259-3701
Telephone: 1-800-622-3231
www.milleranalogies.com

Miller Analogies Test
Registration at JSU
Counseling and Career Services
Telephone: 256-782-5475
www.jsu.edu/ccservices/mat.html

Rather than the formula requirements listed in the individual program sections of this *Bulletin*, applicants who hold degrees from unaccredited institutions must earn a total score on the verbal and quantitative sections of the General Test of the GRE equal to or greater than 900 points or an MAT score of equal to or greater than 40 points.

Students applying for admission to the Master of Business Administration (MBA) must submit GMAT scores and meet unconditional admission requirements (see MBA section of this *Bulletin*).

Students applying for admission to the Master of Public Administration (MPA) must submit GMAT, GRE, or MAT scores and meet unconditional admission requirements (see MPA section of this *Bulletin*.)

Students applying for admission to the Master of Science (MS) program with a major in computer systems and software design must submit GRE or GMAT scores and meet unconditional admission requirements (see Computer Systems and Software Design section of this *Bulletin*).

Students applying for admission to the Master of Science (MS) program with a major in emergency management must submit MAT or GRE scores and meet unconditional admission requirements (see Emergency Management section of this *Bulletin*).

Students applying for admission to the Master of Science (MS) with a major in manufacturing systems technology must submit GMAT, GRE, or MAT scores and meet unconditional admission requirements

Students applying for admission to the Master of Science in Nursing (MSN) must submit GRE or MAT scores and meet unconditional admission requirements (see Nursing section of this *Bulletin*).

6. Three "Graduate Reference Forms" completed by individuals who can provide qualitative assessment of the applicant's potential for success in graduate course work. This form is available online at <http://www.jsu.edu/graduate/forms.html> or http://www.jsu.edu/graduate/docs/ref_forms.pdf.
7. If English is not the applicant's native language, the applicant is required to submit an official Test of English as a Foreign Language (TOEFL) score report or an International English Language Testing System (IELTS) score report or the Pearson Test of English PTE. A minimum score of 500 on the paper-based TOEFL, 173 on the computer-based TOEFL, or 61 on the internet-based TOEFL is required for admission. A minimum score of 5.5 on the IELTS is required for admission. A minimum score of 45 on the PTE is required for admission. The TOEFL, IELTS, or the PTE are not required for international students who have earned a bachelor's degree from a United States regionally accredited institution.

Students accepted for admission will receive an I-20 and be permitted to register for classes. For information about the I-20, please contact the office of International Programs, 256-782-5674, at JSU.

International students are required to carry health and repatriation insurance.

APPLICANTS FOR MASTER'S LEVEL TEACHER CERTIFICATION

All of the following documentation must be submitted to the College of Graduate Studies, Jacksonville State University, 700 Pelham Road North, Jacksonville, Alabama 36265-1602, to be considered for admission to a master's level teacher certification program. Additional admission criteria can be found in each individual program section of this *Bulletin*.

1. Completed JSU Graduate Application for Admission (http://www.jsu.edu/graduate/grad_app.html)

2. Non-refundable \$30.00 application processing fee
3. Official transcript(s) from all postsecondary institutions attended. (Students who have previously attended JSU do not need to request a transcript from the University.)
4. Copies of all current clear and renewable teaching certificates held. ALL certificate(s) must be clear and renewable throughout the program and at graduation.
5. Background check. Any candidate applying for admission to a state-approved teacher education program shall be required to be fingerprinted for a criminal history background check through the Alabama State Department of Education to the Alabama Bureau of Investigation (ABI) and the Federal Bureau of Investigation (FBI). Applicants should contact Cogent Systems at www.cogentid.com/alabama for direction in completing this process
6. "Verification of Educational Experience" form is required for the following programs. Applicants should contact their superintendent's office/central office for completion of this form or online at <http://www.jsu.edu/graduate/forms.html> or http://www.jsu.edu/graduate/docs/supplement_exp.pdf.

Library Media (Completion of two years of teaching experience required prior to graduation from program)

Reading Specialist (Completion of two years of teaching experience required prior to enrollment in classes)

School Counseling (Completion of two years of teaching experience required prior to graduation for traditional certification admission option)

Instructional Leadership (Completion of three years of full-time teaching experience prior to admission to the master's program)

7. If English is not the applicant's native language, the applicant is required to submit an official Test of English as a Foreign Language (TOEFL) score report or an International English Language Testing System (IELTS) score report or the Pearson Test of English PTE. A minimum score of 500 on the paper-based TOEFL, 173 on the computer-based TOEFL, or 61 on the internet-based TOEFL is required for admission. A minimum score of 5.5 on the IELTS is required for admission. A minimum score of 45 on the PTE is required for admission. The TOEFL, IELTS, or the PTE are not required for international students who have earned a bachelor's degree from a United States regionally accredited institution.

**APPLICANTS FOR A GRADUATE CERTIFICATE IN
EMERGENCY MANAGEMENT,
ENVIRONMENTAL SCIENCE MANAGEMENT,
GEOGRAPHICAL INFORMATION SYSTEMS,
OR
SPORT MANAGEMENT**

All of the following documentation must be submitted to the College of Graduate Studies, Jacksonville State University, 700 Pelham Road North, Jacksonville, Alabama 36265-1602, to be considered for admission to the [graduate certificate program in emergency management, environmental science management, geographical information systems, or sport management](#). Additional admission criteria can be found in each individual program section of this *Bulletin*.

1. Completed JSU Graduate Application for Admission (http://www.jsu.edu/graduate/grad_app.html)
2. Non-refundable \$30.00 application processing fee
3. Official transcript from the postsecondary institution awarding the bachelor's degree. (Students who have previously attended JSU do not need to request a transcript from the University.)
4. If English is not the applicant's native language, the applicant is required to submit an official Test of English as a Foreign Language (TOEFL) score report or an International English Language Testing System (IELTS) score report or the Pearson Test of English PTE. A minimum score of 500 on the paper-based TOEFL, 173 on the computer-based TOEFL, or 61 on the internet-based TOEFL is required for admission. A minimum score of 5.5 on the IELTS is required for admission. A minimum score of 45 on the PTE is required for admission. The TOEFL, IELTS, or the PTE are not required for international students who have earned a bachelor's degree from a United States regionally accredited institution.

**APPLICANTS FOR A GRADUATE CERTIFICATE IN
NURSING EDUCATION**

Applicants for the [graduate certificate in nursing education](#) must submit the following items to the College of Graduate Studies, Jacksonville State University, 700 Pelham Road North, Jacksonville, Alabama 36265-1602:

1. Completed JSU Graduate Application for Admission (http://www.jsu.edu/graduate/grad_app.html)
2. Non-refundable \$30.00 application processing fee
3. Bachelor's degree with a major in nursing from a regionally accredited university with a professionally accredited nursing program
4. Official transcript from the postsecondary institution awarding the bachelor's degree. (Students who have previously attended JSU do not need to request a transcript from the University.)

5. Three “Graduate Reference Forms” completed by individuals who can provide qualitative assessment of the applicant’s potential for success in graduate course work. This form is available online at <http://www.jsu.edu/graduate/forms.html> or http://www.jsu.edu/graduate/docs/ref_forms.pdf.
6. A current unencumbered RN license
7. If English is not the applicant’s native language, the applicant is required to submit an official Test of English as a Foreign Language (TOEFL) score report or an International English Language Testing System (IELTS) score report or the Pearson Test of English PTE. A minimum score of 500 on the paper-based TOEFL, 173 on the computer-based TOEFL, or 61 on the internet-based TOEFL is required for admission. A minimum score of 5.5 on the IELTS is required for admission. A minimum score of 45 on the PTE is required for admission. The TOEFL, IELTS, or the PTE are not required for international students who have earned a bachelor’s degree from a United States regionally accredited institution.

APPLICANTS FOR PROFESSIONAL DEVELOPMENT

A student who holds a bachelor’s degree from a regionally accredited institution may enroll in graduate courses for professional development. All of the following documentation must be submitted to the College of Graduate Studies, Jacksonville State University, 700 Pelham Road North, Jacksonville, Alabama 36265-1602, to be considered for admission as a non-degree seeking graduate student. Applicants may be permitted to enroll for one semester of graduate course work while completing all other general application requirements.

1. Completed JSU Graduate Application for Admission (http://www.jsu.edu/graduate/grad_app.html)
2. Non-refundable \$30.00 application processing fee
3. Official transcript(s) from the highest degree postsecondary institutions attended. (Students who have previously attended JSU do not need to request a transcript from the University.)
4. If English is not the applicant’s native language, the applicant is required to submit an official Test of English as a Foreign Language (TOEFL) score report or an International English Language Testing System (IELTS) score report or the Pearson Test of English PTE. A minimum score of 500 on the paper-based TOEFL, 173 on the computer-based TOEFL, or 61 on the internet-based TOEFL is required for admission. A minimum score of 5.5 on the IELTS is required for admission. A minimum score of 45 on the PTE is required for admission. The TOEFL, IELTS, or the PTE are not required for international students who have earned a bachelor’s degree from a United States regionally accredited institution.

If, at a later date, the student decides to pursue a degree at JSU, the student must petition, in writing, to the Dean of the College of Graduate Studies, that the course(s) taken as a non-degree student be counted toward the degree.

APPLICANTS FOR ACCELERATED SENIOR PRIVILEGE

Accelerated senior privilege is offered for graduate courses in the College of Arts and Sciences, College of Commerce and Business Administration, and the College of Nursing and Health Sciences. Accelerated senior privilege is not offered for graduate courses in the College of Education and Professional Studies.

A graduating senior may apply to the College of Graduate Studies for accelerated senior privilege by submitting the following items to the College of Graduate Studies, Jacksonville State University, 700 Pelham Road North, Jacksonville, Alabama 36265-1602:

1. Completed JSU Graduate Application for Admission (http://www.jsu.edu/graduate/grad_app.html)
2. Non-refundable \$30.00 application processing fee
3. A verification form (available in the office of the College of Graduate Studies) completed by the certification officer of the college of the student's undergraduate major and submitted to the College of Graduate Studies which verifies the following:
 - A. The student holds an overall GPA of 3.0 and a GPA of 3.0 in the undergraduate major;
 - B. The student is within six semester hours of completing undergraduate degree requirements; and
 - C. The student has passed the English Competency Examination

In addition, the following restrictions are placed on accelerated senior privilege:

1. All students who have been granted accelerated senior privilege must register for course work in the College of Graduate Studies;
2. The student may take no more than six semester hours of graduate level courses prior to the completion of all undergraduate degree requirements. The student will not be allowed to register for additional graduate level courses until all undergraduate degree requirements have been met. If undergraduate degree requirements are completed during the May or Summer One Term, a letter of verification from the certification officer in the college of the student's major must be received in the office of the Dean, College of Graduate Studies, before the student will be eligible to register for additional graduate level courses;
3. The student must not exceed a total course load (undergraduate and graduate) of 13 semester hours in the Fall and Spring Semesters and 7 semester hours in the May 4 Week, May 6 Week, May 8 Week, May 12 Week, June 4 Week, June 6 Week, June 8 Week, July 4 Week and August Term;
4. MBA students must provide an official GMAT score of at least 400 prior to enrolling in senior privilege classes;

5. Students in programs other than MBA must provide official test scores of the appropriate test (GMAT, GRE, or MAT) prior to the end of the semester of accelerated senior privilege enrollment; and
6. The student must provide to the College of Graduate Studies three "Graduate Reference Forms" prior to the end of the semester of accelerated senior privilege enrollment. These forms must be completed by individuals who can provide qualitative assessment of applicant's potential for success in graduate course work. This form is available online at <http://www.jsu.edu/graduate/forms.html> or http://www.jsu.edu/graduate/docs/ref_forms.pdf.

Accelerated senior privilege will also be extended to graduating seniors at other colleges and universities, provided all conditions specified above are met.

TRANSIENT STUDENT APPLICANT

A graduate student in good standing at a regionally accredited college or university may be admitted to Jacksonville State University as a transient student. All of the following documentation must be submitted to the College of Graduate Studies, Jacksonville State University, 700 Pelham Road North, Jacksonville, Alabama 36265-1602, prior to enrolling in graduate course work to be considered for admission as a transient student:

1. Completed JSU Graduate Application for Admission (http://www.jsu.edu/graduate/grad_app.html)
2. Non-refundable \$30.00 application processing fee
3. A letter of good standing from the Dean of the graduate school of residence or an official transcript

In addition, it is the student's responsibility to request that a JSU transcript be forwarded to the college of residence immediately upon completion of the course(s).

NONDISCRIMINATION

Title VI, Civil Rights Act of 1964

Jacksonville State University has filed an Assurance of Compliance with the Federal Government that states that no person in the United States shall, on the ground of age, religion, race, color, sex, handicap, veterans 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 of the institution. This institution is committed not to discriminate against any person in its admission policies and practices or any other policies relating to treatment of students and other individuals, including provision of services, financial aid and other benefits, and including the use of any building, structure, room, space, materials, equipment, facility or other property. Any person who believes he, she, or any class of individuals has been subjected to discrimination may, individually or by a representative, file a written complaint with the United States Commissioner of Education or with this institution, or both.

Section 504/Americans With Disabilities Act (ADA)

Jacksonville State University has filed with the Federal Government an Assurance of Compliance with Section 504 of the Rehabilitation Act of 1973 and The Americans with Disabilities Act, 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 which receives or benefits from federal assistance.

The compliance officer for Section 504 and the ADA is Don Killingsworth, Director of Governmental Relations, telephone 256-782-5278.

PRIVACY RIGHTS OF STUDENTS

At least annually, the University notifies 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 Financial Aid; (5) placement, counseling, disciplinary, health and security records should be made to the Associate 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 Director 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 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 parties 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, address, telephone listing, JSU email address, enrollment status: full-time, part-time, currently enrolled or not, major field of study; participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, degrees and awards received, and the most recent previous education agency or institution attended by the student. 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 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 education 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.
 - a. Institutions do not violate FERPA by responding to such an order without student consent
 - b. The institution need not make a record of the disclosure, as FERPA ordinarily requires.
 - c. 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 transcripts(s), and the appropriate payment for the transcript(s). Fax requests will be accepted with the inclusion of a Visa/MasterCard, or Discover number along with expiration date of card and the V code in addition to the aforementioned information. Official transcripts may not be faxed to an individual due to the many questions of legal validity and real identity of the recipient of the Fax message. 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 conferred 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, release or modify this policy at any time and will publish at least annually its policy on release and costs of student transcripts.

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).

DISCIPLINARY POLICY

Jacksonville State University has both a right and an obligation to set reasonable standards of conduct for students who voluntarily and willingly choose to become members of the University community. In conjunction with its rights to set up reasonable standards, the University also assumes the right and accepts the responsibility to establish a system of judicial and disciplinary procedures to use when University policies have been violated. In turn, the University recognizes the need to insure that students have the right to due process and fair and equitable procedures in the event they are charged with a violation of University policies.

The authority which the University exercises in charging and disciplining students for violations of its regulations differs from the power exercised by civil authorities in prosecuting cases of general law.

Whereas criminal courts often seek to punish or deter unlawful behavior, it is generally accepted the judicial proceedings at educational institutions are intended to impress upon individuals their responsibilities or, in the most severe cases, to remove by suspension or expulsion those who should not remain in the academic community. The federal courts have called discipline in academic settings part of the teaching/learning process. Much of the disciplinary procedure is authorized to be administered through the Student Government Association (SGA), but the University does maintain jurisdiction to prevent obstruction of its lawful mission, processes, and functions.

UNIVERSITY DRUG FREE WORKPLACE POLICY

Jacksonville State University hereby affirms its policy of providing a drug-free work place 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 work place. (The "work place" 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 work place 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 work place to notify the Director 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) Uses 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.

SEXUAL HARRASSMENT

It is the established policy of Jacksonville State University to provide a work and study environment for faculty, staff, and students free from all forms of sexual harassment, intimidation, and exploitation. The policy against sexual harassment shall be applied in a manner that recognizes principles of academic freedom and freedom of expression. The faculty member is entitled to freedom in the classroom in discussing his/her subject but should be careful not to introduce into his/her teaching controversial material that has no relation to his/her subject. Sexual harassment is defined as unwelcome sexual advances, requests for sexual favors, and other written communications, verbal, or physical conduct of a sexual nature when:

1. Submission to the conduct is made a condition of employment or admission of an applicant.
2. Submission to or rejection of the conduct is made the basis for a personnel action or grade.
3. The conduct seriously affects an employee's or student's performance or creates an intimidating, hostile, or abusive work or study environment.

A student may bring a complaint alleging sexual harassment to the University Affirmative Action Office for informal discussion and advice. The Affirmative Action Officer will provide assistance in resolving the complaint according to policies and procedures governing JSU faculty and staff. As an alternative, the student may deal with instance of sexual harassment in any of the following ways:

1. If you have been harassed by a staff or faculty member or by a student employee, you should do one or more of the following:
 - a. Discuss the matter with the faculty or staff member involved explaining why a particular comment or action was abusive.
 - b. Discuss the matter with the immediate supervisor of the faculty or staff member, giving an account of the comment or action in question.
2. If you believe that you have been harassed by a student, you should discuss the matter with the accused explaining why a particular comment or action was abusive.
3. If a student employee believes that he or she has been a victim of sexual harassment, he or she should do one or more of the following:
 - a. Discuss the matter with the accused explaining why a particular comment or action was abusive.
 - b. Discuss the matter with the immediate supervisor of the accused, giving an account of the comment or action in question.
 - c. Bring a charge of personal abuse to the University Judicial Coordinator.

Regardless of which of these ways a student chooses to initiate a complaint, the student will be advised of proper university procedures that can be pursued. Complaints against faculty and staff must be pursued in a manner consistent with the University Manual of Policies and Procedures. If requested, complaints will be held in confidence and counseling will be provided. No investigation or action against the accused person will be taken on behalf of the person bringing the complaint unless the complainant consents to be identified, if necessary, to the individual accused in connection with the investigation. A student also has the option of filing a formal charge of sexual harassment with the United States Office of Civil Rights. The address and telephone number is available from the Affirmative Action Officer, 102 Bibb Graves Hall. Note: the University reserves the right to develop and implement new policies or regulations not presently included in this document. It is not the responsibility of the university to make a reasonable attempt to inform the student body of any change in, or addition to, the current policies and regulations.

ACADEMIC REGULATIONS AND PROCEDURES

GRADING SYSTEM

The following grades are given in graduate courses:

- A Four quality points per credit hour
- B Three quality points per credit hour
- C Two quality points per credit hour
 The maximum number of hours of C grades permitted to count toward the educational specialist degrees, master's degrees, master's level teacher certification programs, alternative fifth-year program, or graduate certificate is six semester hours. If a student earns a grade of C or below on more than six semester hours of course work, the student should consult the Dean, College of Graduate Studies, for advisement.
- F Failing - Zero quality points
- P Passing - grade given for thesis hours, and other selected courses as specified in the course descriptions in this *Bulletin*. 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.
- I Incomplete

Assigning the 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" on Academic Preparation Day in the fall and spring semesters. They will roll on the day before grades are due in the short terms. 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. All incomplete grade extensions must be submitted to the Dean of Graduate Studies prior to the academic preparation day for fall and spring semesters and prior to the day before grades are due in the short terms. The instructor, department head, and graduate 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 academic dean will represent the instructor's interest.

NC No Credit

When a grade of incomplete is not applicable, the no credit (NC) grade may be given to a student who is otherwise passing but who is unable to complete a course due to circumstances beyond the student's control. An NC grade is not calculated in the student's GPA. A grade of NC must be approved by the Dean, College of Graduate Studies. A grade of NC cannot be retroactively assigned.

WF Withdraw Failing - Will be counted as a grade of F with zero quality points

WP Withdraw Passing - Zero quality points

X Audit - No credit

SCHOLASTIC AVERAGE

A graduate student's overall GPA is calculated on graduate level courses only. The GPA is determined by dividing the quality points earned by the number of hours attempted. The GPA is not rounded. For reporting purposes, the GPA is truncated to two places past the decimal.

Students enrolled in any educational specialist program must maintain a 3.25 GPA. Students enrolled in the M.S.Ed. with a major in instructional leadership must maintain a 3.25 GPA. Students enrolled in the M.S.Ed. with a major in secondary education are required to have a minimum overall GPA of 3.0 and in the course work in the teaching field. Transfer credit cannot be used to raise the GPA in the teaching field course work to the required 3.0. Students enrolled in other master's programs or graduate certificate programs must maintain a 3.0 GPA on a 4.0 scale in graduate courses attempted.

Any student who does not attain good standing, as specified in their notification letter, may be dropped from graduate study. For purposes of this regulation, the terms from May through August (i.e., May 4 Week, May 6 Week, May 8 Week, May 12 Week, June 4 Week, June 6 Week, June 8 Week, July 4 Week and August Term) are collectively considered one semester.

Transfer credit cannot be used toward the GPA of JSU course work to meet the required minimum GPA of specified majors, teacher certification programs, or graduate certificate programs.

The maximum number of hours of C grades permitted to count toward a master's or educational specialist degree is six semester hours.

All JSU course work attempted, including duplications, will be calculated in the GPA.

MID-TERM/FINAL GRADES

At mid-term, a grade is assigned to students who currently have a grade of F in any class. This grade may be accessed for a limited time via my.jsu. Students must have their personal identification number (PIN) to access grades. Mid-term grades are reported for Fall and Spring Semesters only. Final grades may be accessed the same as mid-term grades.

APPEALS PROCESS

When a student has been dropped from graduate study for failing to meet scholastic or other degree requirements, the student may appeal for readmission only if they were originally accepted with an unconditional status. The following appeal procedures are available for students who have been declared ineligible to continue as a graduate student due to failure to maintain the cumulative graduate grade point average (GPA) required for their program/certificate program.

1. The graduate student must submit a written request for readmission to the Dean/Associate Dean of Graduate Studies. The written request should address the reasons why it would receive favorable action.
2. Upon receipt of the written request, the Office of Graduate Studies will notify the student of the date, time, and location of the Appeals Committee meeting.
3. The Appeals Committee will be appointed by the Dean/Associate Dean and will be composed of members from the graduate faculty. The Committee will be chaired by the Dean for Graduate Studies or the Associate Dean.
4. The Committee will be provided with the available documents, including the student's written request for appeal and the student's undergraduate and graduate course history.
5. The student will be afforded the opportunity to attend the Appeals Committee meeting and to provide additional, relevant information in support of their request for readmission. This is an administrative hearing and is limited to the committee members, the Dean/Associate Dean for Graduate Studies, and the student.
6. The student will be notified by the Dean/Associate Dean, in writing, of the recommendation made by the Appeals Committee, within 14 working days from the date of the meeting with the Appeals Committee.

GRADUATE COURSES and DEGREE REQUIREMENTS

Graduate courses are numbered at the following levels: 500 and 600. A student who has taken a 400 level course as an undergraduate may not take the course again at the graduate level for graduate credit. When students register for the graduate section of a 400 level course, they should verify that they are on the class roster for the graduate section. This verification can be provided by the instructor of record. At least one-half of the graduate courses for the master's degree must be at the 500 level. Individual programs may limit the number of hours of 400 graduate level course work which may be counted for the degree. See the individual programs for these limits.

All course work for the Ed.S. must be at the 500 and 600 level.

Students pursuing the Ed.S. degree may not count 400 level graduate courses toward the degree.

Courses at the 600 level are offered only to students who hold the master's degree. All coursework for the DSc must be at the 800 level unless otherwise specified by the Director of the program.

The course descriptions are provided in each program section listed alphabetically in this *Bulletin*. The number in parentheses following the course title, indicates the graduate semester hour credit value of the course. Prerequisites, if any, are listed at the beginning of the course description.

The minimum degree requirements are listed by program. Please refer to the program section of this *Bulletin*.

At least one-half of the graduate courses for the master's degree must be at the 500 level. All course work for the Ed.S. must be at the 500 and 600 level. Individual programs may limit the number of hours of 400 graduate level course work which may be counted for the degree. See the individual programs for these limits.

DUPLICATION OF COURSES

Credit toward graduation for any course, or part of a course, will not be granted twice. This rule applies to all credit, whether the work is completed at JSU or at other colleges or universities. However, all work attempted, including duplications, will be calculated in the GPA.

TRANSFER OF GRADUATE CREDIT

Transfer credit from other institutions will appear on the JSU transcript only if used to fulfill degree completion and teacher certification requirements.

The number of semester hours of graduate credit that may be transferred from a regionally accredited institution to JSU toward a graduate degree program is limited to the following maximums:

- six hours toward a 30 semester hour program;
- nine hours toward a 33 semester hour program; and
- 12 hours toward a program of 36 or more semester hours.

Evaluation of transfer credit is made by the appropriate department of the student's major and approved by the Dean of the College of Graduate Studies. A student intending to enroll at another institution and transfer a course(s) to JSU, must receive approval of the course work prior to enrolling in the course to insure the course will be accepted for inclusion in the student's program of study.

Transfer credit cannot be used to raise the GPA of JSU course work to the required minimum GPA of specified majors, teacher certification programs, or graduate certificate programs.

Professional education courses cannot be transferred to JSU if taken in another state.

For the secondary education major, a student may transfer no more than three hours in the teaching field. This major requires a minimum GPA of 3.0 in the course work in the teaching field(s). Transfer credit cannot be used to raise the GPA in this teaching field to the required 3.0.

For the MBA program, transfer credit will be accepted from AACSB International accredited schools only. No transfer credit(s) will be accepted once students are enrolled in the MBA program, except in cases of extreme hardship to be determined by the MBA Director and the Dean of the College of Graduate Studies.

Only graduate courses with grades A, B, P, and S may be transferred to JSU. Grades of C or below will not be eligible for transfer.

Transfer credit must meet time limit requirements as stated under "Time Limit on Degree Completion."

There are two steps in the procedure for transferring credit. First, a student must complete a "Transfer Credit Request Form" listing the transfer course(s) and return the form to the College of Graduate Studies. Second, the student must request that an official transcript from the institution at which the credit was earned be sent directly to the College of Graduate Studies at JSU and supply the course description(s) for any course(s) listed for transfer. It is the responsibility of the student to assure that the transcript has been received. This "Transfer Credit Request Form" is available from the office of the College of Graduate Studies or online at <http://www.jsu.edu/graduate/forms.html>.

SECOND MASTER'S DEGREE

A student is admitted to and may be completing requirements for only one degree or certificate at a time. A student is permitted to apply credit earned from one master's degree toward an additional master's degree at JSU provided the credits were not applied toward a previous degree. Such permission is granted at the discretion of the Dean, College of Graduate Studies. It is the student's responsibility to apply for this credit from the first master's and submit the request to the Dean/Associate Dean of the College of Graduate Studies. The total amount of credit applied from a previously earned graduate degree at JSU and external transfer credit combined is limited to the same maximums as transfer credit that are specified in the Transfer of Graduate Credit section of this *Bulletin*.

SECOND CONCENTRATION

Students may elect a second concentration in certain majors. If all requirements for each concentration have been completed prior to award of the degree, the comprehensive examination will cover course work for both concentrations and each concentration will be noted on the student transcript. After completing a degree with one concentration, a student may elect to return to JSU to complete an additional concentration. In this case, the concentration will not appear on the transcript. At the request of the student, a letter of verification will be written by the Dean, College of Graduate Studies, certifying that the student has met the requirements for a second concentration.

TIME LIMIT ON DEGREE COMPLETION

All graduate work toward a master's degree, an Ed.S. degree, or a graduate certificate (including credit transferred from another graduate program) must be

completed within a period of six calendar years which would include the summer term. All graduate work toward the Doctor of Science degree must be completed within a period of ten calendar years which would include the summer term.

BULLETIN REQUIREMENTS AND TIME LIMITS

Degree requirements and other university regulations are established by the *Bulletin* current at the time of initial enrollment and completion of one or more graduate courses. Any student not completing all degree requirements within the time limit of six calendar years will lose entitlement to follow the *Bulletin* of initial enrollment.

Students may elect to follow any later *Bulletin* during the six-year time limit to degree completion.

All degree program and certificate requirements for admission and completion may be subject to change due to governing and accrediting agency changes.

FULL-TIME/HALF-TIME STUDENT CLASSIFICATION

A graduate student's classification is determined by the number of graduate semester hours for which the student is enrolled in a given semester or term.

The following are the minimum graduate semester hours for Master- level full-time and half-time student classification:

<u>Semester/Term</u>	<u>Full-Time</u>	<u>Half-Time</u>
Fall Semester	9	6
Spring Semester	9	6

The following are the minimum graduate semester hours for Doctoral-level full-time and half-time student classification:

<u>Semester/Term</u>	<u>Full-Time</u>	<u>Half-Time</u>
Fall Semester	6	3
Spring Semester	6	3

These classifications apply to all financial aid programs, including VA benefits, and to other programs, such as insurance. For VA benefits only, three-quarter time may apply for seven or eight graduate hours in the Fall and Spring Semesters.

Financial aid classifications, including VA benefits, for the summer sessions are computed annually. For information about summer financial aid classifications, please contact the Financial Aid Office, 107 Bibb Graves Hall, (256)782-5006. For classifications for VA benefits, please contact the Veterans Affairs Office, 105 Bibb Graves Hall, (256)782-5892.

REGISTRATION

All students must register before being admitted to classes. Registration information is listed online at <http://www.jsu.edu/registrar/registration.html>. The appropriate academic advisor and other members of the faculty advise students in regard to their programs of study as outlined in this *Bulletin*. Students may register

online through the Internet using <http://my.jsu.edu> in a designated lab on campus, and in the graduate office where specified.

Students registering after formal registration will be charged a \$100.00 late registration fee. Students will be responsible for class work from the first class meeting and will incur absences for classes missed.

MAXIMUM STUDENT LOAD

The maximum course load for a graduate student is 13 semester hours during the Fall or Spring Semesters. Any exception to this regulation must be approved by the Dean, College of Graduate Studies.

The maximum course load for a graduate student is seven semester hours during the Summer Terms. There is no exception to this regulation.

CLASS ATTENDANCE

The University expects every graduate student to attend all scheduled class meetings for courses in which the student is enrolled. Each instructor's policies and procedures on absences and make-up work are announced at the beginning of the term. The student is directly responsible to the individual instructor for absences and for making up work missed.

AUDITING COURSES

A person not regularly enrolled in the University may audit courses with the approval of the department head.

Auditors must apply for admission and pay the \$30 non-refundable application fee as well as the \$25 per semester hour fee. Auditors are listed on the class roll but do not participate in classroom discussion, take tests or final examinations, or make reports, and will receive no credit.

Auditors are bound by the same attendance policy as other members of the class.

Once a student registers in a course as an auditor, the status of audit may not be changed to that of credit.

THESIS OPTIONS AND PROCEDURES

There are two options of graduate study for some degree programs at JSU: the Non-Thesis Option and the Thesis Option. A student is awarded six semester hours graduate credit for a successfully completed thesis. The requirements for individual degree programs are listed under "Minimum Requirements for Degree" in each program section of this *Bulletin*.

Before enrolling in the first three semester hours of thesis work, a student choosing the Thesis Option must have the "Thesis Option" form approved by the student's Thesis Committee and the Dean/Associate Dean, College of Graduate Studies. The "Thesis Option" form is available in the office of the College of Graduate Studies or online at <http://www.jsu.edu/graduate/forms.html>.

Prior to completing the first three semester hours of thesis, a student must have a "Prospectus for Thesis" form approved by the student's Thesis Committee and the Dean/Associate Dean, College of Graduate Studies. The "Prospectus for Thesis" form is available in the office of the College of Graduate Studies or online at <http://www.jsu.edu/graduate/forms.html>. Guidelines for preparation of a proposal and thesis are provided in the *Thesis Guide* which is available in the office of the College of Graduate Studies, 322 Bibb Graves Hall, or online at <http://www.jsu.edu/graduate/forms.html>.

Only three hours of thesis course work may be taken in a semester. Students who choose the Thesis Option must schedule an appointment with the Dean or Associate Dean of the College of Graduate Studies prior to registering for the first three hours of thesis. The deadline dates for students completing a thesis are listed for each semester in the University Calendar and *Graduate Bulletin*. Upon completion of the thesis, the student will receive a grade of Pass (P) or Fail (F).

RESIDENCY

All graduate students who are pursuing a degree must complete 24 semester hours of graduate credit at JSU.

CANDIDACY FOR DEGREE

Students become degree candidates when they enroll in the last semester or term of course work and apply for the degree/comprehensive examination by completing the "Application for Comprehensive Exam/Degree" form. This form is available online at <http://www.jsu.edu/graduate/forms.html>. Please refer to the <http://www.jsu.edu/graduate/announcements.html> online for due dates for this form.

COMPREHENSIVE EXAMINATION

A comprehensive examination (**written or oral, or oral and written**) is required of all candidates for the educational specialist degree, master's degree, teacher certification programs, and alternative fifth-year programs. The specific type of examination to be given is determined by each individual department. In preparation for the comprehensive examination, candidates should contact their academic advisor.

The comprehensive examination is to be scheduled during the semester in which the student is enrolled in the last course(s) needed to complete the degree or certification. The "Application for Comprehensive Exam/Degree" is online at <http://www.jsu.edu/graduate/forms/html>.

The student will be notified of the date, time, and location of the examination by the chair of the Comprehensive Examination Committee. The student will be examined on course content and knowledge of the field of study. It is the student's responsibility to meet with each member of the Comprehensive Examination Committee to receive guidelines in preparation for the examination.

If, after applying, the student elects not to take the comprehensive examination, the student must submit a written request to the office of the College of Graduate Studies to withdraw the application for the current semester. In addition, the student must submit a new "Application for Comprehensive Exam/Degree" form.

A \$20 degree fee is charged to students each time they submit a new “Application for Comprehensive Exam/Degree” form.

If the student fails the comprehensive examination, the student must meet with the chair of the Comprehensive Examination Committee to schedule arrangements to retake the comprehensive examination. If a student retakes the comprehensive examination in a subsequent semester, a \$20 degree fee is charged.

APPLICATION FOR COMPREHENSIVE EXAM/DEGREE

All degree-seeking and teacher certification graduate students must file the “Application for Comprehensive Exam/Degree” form. This form must be completed online at <http://www.jsu.edu/graduate/forms.html>. Please refer to the <http://www.jsu.edu/graduate/announcements.html> online for due dates for this form. Students who fail to file the application for graduation by the listed date risk having their graduation delayed until the next regularly scheduled graduation.

The specific due dates for the application for each semester are listed in the University Calendar.

APPLICATION FOR GRADUATE CERTIFICATE (NON-EDUCATION CERTIFICATE)

All non-education certificate graduate students must file the “Graduate Certificate Application (Non-Education Certificate)” form. This form is available online at <http://www.jsu.edu/graduate/forms.html>. Please refer to the <http://www.jsu.edu/graduate/announcements.html> online for due dates for this form. Certificates will not be awarded on a retroactive basis.

The specific due dates for the application for each semester are listed in the University Calendar.

STUDENT OUTCOMES ASSESSMENT

To assess and improve its academic programs, the University must obtain periodic measurements of student perceptions and intellectual growth. As a requirement for graduation, every student shall participate in one or more assessment procedures. These procedures include survey questionnaires and examinations in the major field of study. The information obtained through these assessment procedures is used solely to improve the quality of the educational experience for future generations of JSU students.

For further information about assessment procedures, students should contact the Office of Institutional Research and Assessment, (256) 782-8144.

STUDENT’S RESPONSIBILITIES

All students are held responsible for meeting the requirements for graduation as stated in the *Graduate Bulletin* at the time of initial enrollment and completion of one or more graduate courses. Students who have questions should contact the office of the College of Graduate Studies.

ACADEMIC AND STUDENT SERVICES

ACADEMIC CENTER FOR EXCELLENCE

Academic Center for Excellence (ACE) enhances student academic success and persistence from entrance through graduation. ACE develops student academic skills; student adjustment to college; student/faculty /staff appreciation of cultural diversity; faculty/staff pedagogy and student-centered skills; and intrusive academic advisement. ACE services include Advisement Services and Tutoring Services for student athletes.

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, software, and study guides.

Textbook buy back days are scheduled for the week of finals at the end of Fall, and Spring Semesters, as well as various times during the summer. Extended operating hours and on-line shopping are offered for the convenience of evening students.

CAREER SERVICES

Career Services (CS) provides cooperative education to undergraduate and employment assistance to graduating seniors and alumni. These services consist of employability skills workshops, on-campus interviews, job listings at <https://jsu-csm.symphlicity.com>, career fairs, corporate information, resume editing, and individual counseling concerning job search strategies.

DR. CYNTHIA H. HARPER CHILD STUDY CENTER

The Center 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 Bursar's Office. Fees per child are \$500.00 for the Fall Semester, \$500.00 for the Spring Semester, and \$180.00 for the May Term. The Center is open from 7:15 a.m. to noon, Monday through Friday when JSU classes are in session. Application forms may be obtained from the Department of Family and Consumer Sciences.

COMPUTER SERVICES

The University has an extensive network of computer resources providing access to the Internet, the JSU Administrative and Academic Networks, and the Alabama Research and Education Network. Academic Computing labs are located throughout the campus and are available to all currently enrolled students. Email accounts are provided to all currently enrolled students.

COUNSELING SERVICES

Counseling Services offers individual and group counseling for JSU students, faculty and staff. Personal counseling is conducted in a private setting under the strictest confidence. Counselors are available on an individual or group basis. Counseling Services is the registration site for CLEP, R-ACT, C-BASE, MAT, and other examinations. The office is open Monday through Friday from 8:00 a.m. to 4:30 p.m. In addition, Counseling Services coordinates and advises the Peer Educators student group and ACTIVE MINDS student group.

DINING FACILITIES

The University Dining Service provides a variety of flexible meal plans to meet student needs. These plans are available for both resident and non-resident students. There are four dining facilities on campus: the Jack Hopper Dining Hall, the Food Court located in the Theron Montgomery Building, the Gamecock Diner located behind Stephenson Hall, and the Jazzman's Café located in the Houston Cole Library. Meals can be purchased in all four locations on a cash basis. University Dining Services also provides catering services both on and off campus.

For additional information concerning the dining program or catering, contact Dining Services, Jack Hopper Dining Hall, [\(256\) 782-7242](tel:2567827242).

DISABILITY SUPPORT SERVICES

Disability Support Services provides reasonable accommodations for students with documented disabilities in accordance with Section 504 of the Rehabilitation Act of 1974 and the Americans with Disabilities Act. It is the goal of DSS to ensure that students with disabilities have equal opportunity to achieve their personal academic goals while concurrently maintaining the integrity of JSU's academic program requirements. Disability Support Services provides reasonable accommodations through a variety of services and programs.

Accommodations include:

- Exam Proctoring
- Special Testing Procedures
- Priority Registration
- Interpreter Services
- Captioning Services
- Readers
- Note takers
- Brailled Formats
- Enlarged Printed Materials
- Audio Formats
- Assistive Technology

An individual can come by our office in 140 Doughty Hall or can call (256) 782-8380 to set up an appointment to talk with one of our Disability Specialists. Individuals may also access our information online at <http://www.jsu.edu/depart/dss>.

DISTANCE EDUCATION

Jacksonville State University strives to meet the needs of all students. Distance education enhances our ability to serve the student by utilizing the ever-expanding set of technological tools to reach students who may before have been unable to participate in the University environment. With alternative media such as videoconferencing and online courses, students can participate in the University environment while continuing with work and personal schedules. The greater flexibility in scheduling, provided by distance education courses, enables Jacksonville State University to draw students from all areas of society. These courses provide students with the education and tools that they need to reach their goals, whether these goals are professional or personal. Distance education provides an outstanding level of education to every student.

Online

In meeting the needs of the 21st century student, Jacksonville State University is committed to offering courses for online distribution. A growing number of graduate and undergraduate courses, as well as full degree programs and certificates, are being offered through the online format. Convenient to students who are unable to travel to JSU's campus, need increased time, or travel flexibility, online courses save time and travel expenses and can be completed in a convenient location of the student's choice while continuing to provide high quality coursework with excellent faculty. Examinations may be administered online, or through a proctor at a distance. Students unable to attend on-campus examinations should review the following website for more information on proctoring specifications: http://www.jsu.edu/distance/fac_res/proctoring.html During online courses, students can communicate with their instructors and classmates through email, threaded asynchronous discussions, and live chats.

Videoconferencing

Jacksonville State University brings videoconferencing experiences to students of across Alabama. Videoconferencing is ideal for commuting students, allowing them to save valuable time otherwise spent driving to class. Instead of traveling to JSU, students can attend class through interactive video at various locations while connected to faculty and other students on the JSU campus. Videoconferencing provides live interactive communication to any point in the world using standards based video communication systems. This format encourages students to actively participate with their instructors and classmates at different locations. Most videoconferencing courses utilize online technologies for communication and document exchange, i.e. email and learning management systems. For a listing of courses that are offered via videoconferencing, please refer to the online class schedule linked from <http://www.jsu.edu/registrar/registration.html> Select the desired term and click submit. Next, select the desired subject(s) and 'Videoconferencing' and 'Videoconferencing Off Campus' instructional methods.

Office of Distance Education

For further information about distance education, students may contact the Office of Distance Education at (256) 782-8172 or toll free at 1-800-231-JAX1, extension 8172. Internet users are invited to visit JSU's Distance Education website at <http://distance.jsu.edu>

For 24/7/365 Blackboard technical support, please visit jsubbsupport.com

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. Patients are seen by appointment, with the exception of emergencies. Consultation with the physician is free of charge. Minimal charges are incurred for specific lab procedures and/or medications dispensed. These charges are applied directly to the student account. Staff and faculty incurred charges are applied through direct payroll deduction. 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.

Excuses - The Student Health Center does not routinely provide class absence excuses. Documentation of Health Center visits is provided by an attendance slip given to each student upon request.

UNIVERSITY HOUSING AND RESIDENCE LIFE

The Department of University Housing and Residence Life provides a variety of living options. There are traditional residence halls and apartments that enhance the community environment.

The Department of University Housing and Residence Life operates and maintains 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 Department of University Housing and Residence Life of any changes in their status, which may affect their eligibility.

Students must apply online (www.jsu.edu/housing/apply.html) using their MyJSU username and password. A non-refundable application fee of \$150 is also required at the time of submission. The priority deadline for housing 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.

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 5:30 p.m. on move-in day 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. For more information regarding rates and/or facilities, please visit www.jsu.edu/housing.

STUDENT ID CARDS

On June 25, 2004, Jacksonville State University changed the primary means of identification for our students. On this day, the university established a new nine-digit random number that will be assigned to every student. New ID cards are issued by the ID Office located beside the Food Court in the Theron Montgomery Building. A distance learning student may go to http://www.jsu.edu/distance/student_id.html and click the link that says "Distance Education Student ID Request Form." Once the request is received and processed, it will be sent to Joe Whitmore in Institutional Support Services, who will print the ID and send it back to the distance education office. The distance education office will send the ID to the student.

INSTRUCTIONAL SERVICES UNIT

The Instructional Services Unit (ISU) is a division within the College of Education and Professional Studies that provides a variety of support services. It consists of the Teaching/Learning Center (T/LC), Learning Resource Center (LRC), and the Multimedia Instructional Laboratories (MIL).

The T/LC is an on-campus, free tutorial service to both 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 checkout. Additionally, the Center offers media preparation services such as laminating, copying, letter cutting, and transparency making. Word processing, on-line and Internet access are available to students, faculty, and the community through the LRC.

The MIL is the third unit of the ISU. Multimedia computers, located in three computer labs convenient to both students and faculty, include up-to-date technological hardware and software such as videodisks, DVDs, and CD-ROMS. These services insure that students are exposed to the latest available technology.

INSURANCE

The Student Health Center maintains information regarding available student injury/accident and sickness insurance plans. Students, who meet registered credit hour requirements, and eligible dependents may enroll in this insurance plan. For further information, contact the Student Health Center at (256) 782-5310 or electronically <http://www.jsu.edu/depart/studenthealth>

INTERNATIONAL PROGRAMS AND SERVICES

The Office of International Programs and Services provides support to international and American students. Assistance in three general areas dealing with international education is the main function of this office.

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. During their stay on the JSU campus, visiting faculty from universities abroad are provided with support.

This office provides support to JSU students who 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.

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

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

JACKSONVILLE STATE UNIVERSITY IN GADSDEN

Jacksonville State University provides outreach educational opportunities for students in its service population at its off-campus site in Gadsden. Jacksonville State University in Gadsden provides junior and senior level undergraduate courses and graduate courses in the Joe M. Ford Center on the campus of Gadsden State Community College. Drawing students primarily from Etowah County and the counties adjacent to it, JSU-Gadsden schedules mostly late afternoon and evening classes tailored to meet the needs of working adults. Course offerings are available for students who want to earn a degree, advance occupationally, and prepare for productive roles in society. The calendar for JSU-Gadsden is the same as the University calendar, and all University policies and regulations apply.

For information about JSU-Gadsden, call (256) 549-8390, FAX 1-256-549-9739, write to Jacksonville State University in Gadsden, Joe M. Ford Center, Room 113, 405 Korner Street, Gadsden, Alabama 35901, or visit the office in Room 113, Joe M. Ford Center, on the campus of Gadsden State Community College.

LIBRARY

The Houston Cole Library, named for JSU's seventh president, is the academic hub of the campus, providing print and non-print resources to the students and faculty, as well as the local community and Northeast Alabama. The Library houses an outstanding collection of materials, with more than 700,000 cataloged volumes. Subscriptions include over 1,000 print titles and 100+ electronic databases. Many of

the databases provide full-text access to over 100,000 journal titles. In addition, the Library is a Selective Depository of U.S. government documents and houses an AV Center and Listening Lab with over 11,000 circulating items and 750 pieces of equipment; holds over a million microform units, and approximately 2,000 maps. The Library also features an Alabamiana collection. Course reserves are digitized to provide web access. Universal borrowing agreements and inter-library loan services provide access to library materials held by other institutions. There is a wireless network accessible throughout the building. Circulating laptops may be checked out for in-library use.

Information on the Library's collections, patron information, and course reserves is available through the Library's website and online catalog. Web accessible workstations are available on each of the Library's public service floors. Photocopiers and printers are located in the lobby. In addition, there is a computer lab on the tenth floor with 14 workstations.

The lab workstations have applications software installed. A smart classroom used exclusively for instructional purposes is located on the ground floor.

The library was built in 1972 as a thirteen-story facility. The building is divided into eight subject floors managed by subject specialist librarians. It is open 87 hours per week. Hours are reduced when students are not on campus. During Fall and Spring semester final exams, the library is open for extended hours.

MAIL CENTER

All students enrolled at JSU are eligible for a JSU mailbox. To be assigned a mailbox, students must come to the customer service window at the JSU Mail Center. All correspondence from the University and personal correspondence will be placed in JSU mailboxes. Financial aid checks will be assigned to a JSU mailbox if they have no other designation, i.e. "Mail-at-Home" or "Direct Deposit". Both options can be accessed through your "My JSU" account. Stamps, fax, and mail services are available at the JSU Mail Center.

The JSU Mail Center is located on the 4th floor, TMB, and is open Monday – Friday from 8:00 a.m. – 4:30 p.m. The Mail Center telephone number is (256) 782-5290, and the fax number is (256)782-5291.

MOTOR VEHICLES

Any motor vehicle parked on the JSU campus must have a current JSU decal. Students and employees can register online with the University Police by using their MyJSU account. Vehicles should be registered annually at the beginning of the fall semester during the first two weeks of class or at the beginning of the semester in which the student first enrolls. A vehicle obtained after a student enrolls must be registered immediately.

Registration is online and a fee is required for decal issued. When picking up a decal, a valid driver's license, tag receipt/vehicle registration, and proof of insurance must be presented in order to verify the registration information.

Parking and traffic regulations can be obtained from the University Police Department in Salls Hall or online at <http://www.jsu.edu/police>

PUBLIC SAFETY

The University provides a wide-range of public safety services to include law enforcement, security, parking, traffic enforcement, and crime prevention. Students and employees may report criminal incidents, accidents, and/or emergencies to the University Police. The JSU Police Department exists to protect JSU students, faculty, staff, and buildings, enforce the parking and traffic system, prevent campus crime, and serve the University community. Full-time police officers are on duty 24 hours a day. General information about the University Police Department and services provided may be obtained online at <http://www.jsu.edu.police>.

STUDENT FINANCIAL AID

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, the processor sends the applicant a Student Aid Report (paper or by email link) 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 Financial Aid 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 a false statement 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 income tax returns, 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 through the academic year, March 15 has been established as the preference dead-line 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 JSU Office of Student Financial Services or from the internet at www.nasfaa.org.

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.

LOANS

Students who must borrow money to finance their education should consider long-term, low interest loans available to those who meet eligibility requirements. Loans must be repaid regardless of whether recipients graduate. The following loans are available to eligible graduate students.

The Federal Stafford Direct Loan Program

JSU participates in the Federal Stafford Direct Loan Program. Interest rates for the Federal Stafford Direct Loan Program are variable with a cap of 8.25%. Repayment begins six months after the student's enrollment ceases to be half-time status (6 credit hours.)

There are two types of Federal Stafford Direct Loans for Graduate Students: Unsubsidized and Graduate PLUS Loans.

Federal Stafford Direct Unsubsidized Loans provide low interest rates and are available to all students regardless of financial need (although the FAFSA still must be filed). A credit check is not required to receive these loans. The student is responsible for the interest, which may be paid while the student is in school or accrued and then added to the principal balance when the student enters repayment, which occurs six months after the student is no longer enrolled in school at least half time (6 credit hours.)

Federal Direct Graduate PLUS Loans are low interest loans that graduate students may obtain to help pay their own education. PLUS loans require a credit check and, in some instances, an eligible cosigner. Repayment of PLUS loans begins following the final disbursement for the year. Graduate students may be able to defer repayment of their PLUS loans until after the student is no longer enrolled in school at least half time, although interest will continue to accrue. Additional paperwork may be required. Students must also complete a separate Entrance Counseling and Master Promissory Note. Steps to apply are listed at www.jsu.edu/finaid - click FAQ & Hints tab.

Loan Limits

For graduate/professional students a maximum aggregate loan eligibility (including undergraduate loans) is \$138,500 and the award amount is up to \$20,500 per academic year.

JSU no longer participates in the Federal Perkins Loan Program.

To apply for Federal Stafford Loans, submit a FAFSA as soon as possible after January 1 and check My.JSU for any other documentation that may be required by the U.S. Department of Education and 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 via JSU Email. If you have additional questions regarding financial aid or the financial aid process, please view our FAQs and Hints on the web at www.jsu.edu/finaid

SCHOLARSHIPS

Jacksonville State University offers various scholarships each year based on academic achievement. Consult our Scholarship Listing (<http://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 admitted to the University and available funding. The scholarship application period is October 1 and the deadline is March 1.

Alabama National Guard Educational Assistance Program

The State of Alabama provides assistance to cover tuition and book expenses for per-sons who are members of the Alabama National Guard. Selection of recipients is made by the Alabama Commission on Higher Education. Those interested in applying should con-tact his/her National Guard 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 unremarried 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 courthouse. The Office of Veterans Affairs is located on the first floor of Bibb Graves Hall, Room 105, to assist students.

VETERANS BENEFITS

Military veterans may be eligible for assistance through a variety of programs. The Office of Veterans Affairs is located on the first floor of Bibb Graves Hall, Room 105, to assist students.

VOCATIONAL REHABILITATION

Students who have disabilities may be eligible for a special assistance program through the Alabama Department of Rehabilitation Services (ADRS.) Information can be obtained for the ADRS State Office, 2127 East South Blvd., Montgomery, AL 36116, (334) 228-0220.) A local ADRS counselor visits the JSU campus each week. Disability Support Services (DSS) can provide information by arranging an appointment. DSS is located in Room 139, Daugette Hall, (256) 782-8380.

ENROLLMENT REQUIREMENTS

All financial aid programs are contingent upon actual enrollment at JSU. Most programs require at least half-time (six credit hours) of graduate course work for

eligibility during each semester. Federal Stafford Loans and work study require a student to be enrolled for a minimum of six graduate hours. **Students who are required to take undergraduate deficiencies must contact the Office of Student Financial Services for eligibility criteria.** Questions pertaining to individual program requirements for maximum benefits should be addressed to the Office of Student Financial Services.

Students who attend during the Summer Sessions (May, June, July) may qualify for financial assistance if they have remaining eligibility and are enrolled in at least 6 graduate hours. Students must register and complete a Summer Financial Aid Data Sheet to begin the application process.

Federal assistance is available only to students who are enrolled in a degree-granting program or who are seeking teacher certification. Special students, professional development, and transient students are, therefore, ineligible for federal aid.

Students receiving financial aid who withdraw or stop attending classes may be required to repay a proportionate amount of financial aid received for that term. For more information please review the Federal Official/Unofficial Withdrawal Policy at www.jsu.edu/finaid - click forms, click "Federal Policy."

SATISFACTORY ACADEMIC PROGRESS

In order to be eligible for federal financial aid, students must be enrolled and making progress in a graduate degree seeking program. There are 3 criteria for meeting Satisfactory Academic Progress (SAP) – cumulative Grade Point Average (GPA), pace of progression/completion, completion rate and maximum time frame. JSU reserves the right to monitor satisfactory academic progress periodically throughout the calendar year.

The Satisfactory Academic Progress and Appeals Policy may be located on the My.JSU under your financial aid status and on the web at www.jsu.edu/finaid - click forms, click the academic year you plan to attend, click Satisfactory Academic Progress and Appeals Policy.

AWARDING, ACCEPTANCE AND PAYMENT OF FINANCIAL AID

Students who are determined to be eligible for Federal Stafford Loans and Federal Work Study will receive an email in their JSU email Account. The initial email will list instructions for completing his/her file by using My.JSU. Once the student has completed their financial aid file, another email will be sent listing instructions for accepting the Offer of Financial Aid and completing a Master Promissory Note and Entrance Counseling. This assistance and scholarships awarded by the University is credited to the student's account and a check is issued to the student's campus mail box for the balance, if applicable, approximately 2 weeks after classes begin. The instructions listed in the email are also located at www.jsu.edu/finaid - click FAQ's and Hints.

Students may use their accepted Offer of Financial Aid to confirm classes and/or university housing and meal plan costs if their assistance has been processed by the required payment dates. Accepted Offers of Financial Aid will appear on the My.JSU system. More detailed information on paying confirmation costs is located on the web at www.jsu.edu – click departments, click Bursar's Office.

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, in writing, prior to the first day of classes to cancel their pre-registration and financial aid. **STUDENTS WHO FAIL TO DO THIS WILL BE ENROLLED IN CLASSES AND RECEIVE ACADEMIC AND FINANCIAL PENALTY FOR NOT ATTENDING CLASSES.**

EMPLOYMENT

JSU offers four possible employment opportunities for students enrolled in its College of Graduate Studies: (1) Graduate Assistantships; (2) University Student Employee Program; (3) Federal Work-Study and (4) Part-Time Off-Campus Employment.

Graduate Assistantships

Several salaried assistantships are awarded each year. In addition to a monthly salary, these assistantships also cover six semester hours of graduate tuition for the fall and spring semesters and a total of six semester hours of graduate tuition during the summer sessions. Graduate assistants must report to the Human Resources Office in Bibb Graves Hall to produce evidence of identity and employment authorization within three business days of the date employment begins. To apply, contact the Office of the College of Graduate Studies, 256-782-5345 or email vansandt@jsu.edu or pugliese@jsu.edu.

University Student Employee Program – University Aid

Many JSU students work part-time in campus positions in a variety of departmental areas. These positions do not come through the Office of Student Financial Services and do not require a financial aid application. Once a student is hired, he/she must sign the University Aid Contract with the hiring department.

Federal Work-Study (FWSP)

This program is federally funded and is available to qualified students who demonstrate financial need. Students are employed on campus approximately 15 hours per week at minimum wage and are paid monthly. It is the student's responsibility to find his/her position once he/she has received notice of eligibility. Funds for this program are limited and a limited number of FWSP community service opportunities are available through the Office of Student Financial Services. JSU positions are located on the web at <http://www.jsu.edu/hr/> - click job opportunities.

Part-Time Off-Campus Employment

Information concerning employment off campus is available at <http://www.jsu.edu/careerservices/>.

NONDISCRIMINATION

All financial aid is awarded without regard to age, sex, race, religion, physical or mental handicap or national origin. Federal financial aid is available only to citizens, national or permanent residents of the United States.

INTERNAL REVENUE SERVICE TAX LAWS

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 legislation, which includes 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 tax law.

SPECIAL NOTE TO STUDENTS

Information provided in the *Bulletin* 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. Additional information is located in the *University Bulletin*, *Student Handbook*, and publications prepared by the Office of Student Financial Services. These publications also contain information about the usage of Social Security Numbers, the Family Rights and Privacy Act and the Student Right to Know Information.

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 FFEL/Direct Loans for Peace Corps or volunteer services, financial assistance programs, general institutional information (such as curriculum and costs), graduation rates, campus security reports, HEOA Text Book Law, drug free workplace policy, athletic program participation rates and financial support data. Detailed information on these items is located on the JSU website at www.jsu.edu or at other locations described on the website.

FINANCIAL FEES AND POLICIES

Jacksonville State University's tuition and fees have remained lower than those charged by most other quality institutions in the state and nation. Increases are required as costs rise, but efforts are made to keep fees and charges at a minimum.

The following tuition and fees are those in effect at the time this *Bulletin* was published. The University reserves the right to adjust tuition and fees without prior notice. Revisions will be publicized as far in advance as possible and will be available in the office of the College of Graduate Studies and in the Registrar's Office.

TUITION FOR GRADUATE STUDENTS

Traditional Courses: Courses that are held in a classroom on the main JSU campus and Joe Ford Center in Gadsden.

Distance Learning Courses: On-Line courses, Videoconferencing courses (classes not held on the main JSU campus or Joe Ford Center in Gadsden), Emergency Management courses, Step On-Line courses (Nursing), Video Based courses and Dual Enrollment courses.

Graduate/Doctoral Tuition for Traditional Courses:

In-State	\$ 349.00 - per hour
Out-of-State	\$ 698.00 - per hour
Doctorate Fee (non-refundable)	\$ 250.00 – per semester

Graduate/Doctoral Tuition for Distance Learning Courses:

Graduate	\$ 439.00 - per hour
Doctorate Fee (non-refundable)	\$ 250.00 – per semester

OUT-OF-STATE FEES

A student's resident status is defined by ACT 96-663 of the State of Alabama. This statute defines resident students, prescribes tuition rates for nonresident students and provides for exceptions. In compliance with this statute, the University requires, as part of the application process, that all students certify their permanent residence. Students whose permanent residence is in Alabama or a designated Georgia county, i.e. Bartow, Carroll, Chattooga, Coweta, Douglas, Floyd, Haralson, Heard, Paulding, or Polk will be eligible for in-state tuition. For policies and regulations used in determining resident status, contact the office of the College of Graduate Studies.

FEES AND DEPOSITS

(Required only when applicable)

Application for admission (non-refundable)	\$ 30.00
Audit - per hour	\$ 25.00
Degree fee (non-refundable).....	\$ 20.00
(Graduate/undergraduate-charged <u>each time</u> a student applies to graduate. Graduation apparel (cap, gown, etc.) is available through the University Bookstore. Students will be requested to place their orders at the beginning of their final semester (or 8 weeks minimum prior to graduation); be posted in the University Bookstore. Costs will vary based on degree.)	
ID Card fee – per student.....	\$ 10.00
ID Card replacement fee – per processing	\$ 25.00
Late registration	\$100.00
Mail-at-Home fee	\$ 10.00
Motor vehicle registration – each.....	\$ 25.00
Pre-School Center Program	
Fall or Spring Semester - per child.....	\$500.00
May Term - per child	\$150.00
Returned check fine each---current maximum allowed by law	
Teaching Certificate fee – each.....	\$ 30.00
Transcript of academic record – per transcript.....	\$ 5.00

PAYMENTS

In order to confirm registration, students must pay all tuition and fees by the published due date. Students may view their tuition and fees at <http://my.jsu.edu>. Payment may be made by one of the following ways: at the Bursar's Office Cashier window, 2nd floor of Bibb Graves Hall; via the web at <http://my.jsu.edu> (View Account/Make Payment link) by credit card; E-Check or savings account; or by mail with a check or money order (must be RECEIVED in the Bursar's Office by the published due date). Each student is responsible for knowing all registration and fee payment dates.

Long distance telephone charges, traffic fines, library fines, etc., are due when the charge is applied to the student account.

Students are expected to meet all financial obligations to the University. The University reserves the right to deny admission and withhold transcripts of any student who fails to meet their financial obligations. Any collection costs or attorney fees necessary for the collection of any debt of JSU will be charged to and paid by the debtor. Questions about charges and refunds should be addressed to the Bursar's Office.

PAYMENT PLAN

Jacksonville State University is pleased to offer students an installment plan to budget the costs of tuition and university housing. The payment plan is offered as a service, allowing students to budget their educational expenses. The details for the payment plan can be found at www.jsu.edu, on the Bursar's Office homepage.

REFUNDS OR CHARGE ADJUSTMENTS

WITHDRAWAL

Any student who has registered and has paid but does not wish to attend must notify the Registrar's Office in person or in writing (certified mail suggested) by the last day to register for the semester to receive a full refund of tuition charged. Failure, by the student, to assure this notification may result in academic and financial penalty.

Students scheduled to receive financial aid who do not plan to attend a semester for which they have registered must notify the Financial Aid Office and the Registrar's Office in writing (certified mail suggested) by the last day to register for the semester to cancel their registration and financial aid. Students who fail to notify the Financial Aid Office will be enrolled and subject to academic and financial penalty.

Tuition will be refunded as follows for withdrawals:

For Fall and Spring Semesters:

One hundred percent (100%) of total tuition charged if withdrawal from the semester occurs by the last day to register for the semester.

Eighty percent (80%) of total tuition charged if withdrawal from semester occurs within one (1) week after the close of the registration period.

Fifty percent (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.

For Summer Semesters:

One hundred percent (100%) of total tuition charged if withdrawal from a summer term occurs by the last day to register for that term.

Eighty percent (80%) of total tuition charged if withdrawal from a summer term occurs within one (1) day after the close of the registration period for that term.

Fifty percent (50%) of total tuition charged if withdrawal from a summer term occurs within two (2) days after the close of registration.

No adjustment if withdrawal occurs thereafter.

Students who withdraw while on financial aid may have to repay a proportionate amount of aid received and may owe the University money. Please check with the Financial Aid Office or the Bursar's Office for more details.

CHANGE OF COURSE(S) (DROP):

Tuition will be refunded as follows for dropped courses:

For Fall and Spring Semesters:

One hundred percent (100%) of total tuition charged for the dropped course if the drop occurs by the last day to register for the semester.

There is no refund from dropping of a course after the last day to register for the semester.

For Summer Semesters:

One hundred percent (100%) of total tuition charged for the dropped course if the drop occurs by the last day to register for that summer term.

No adjustment if drop occurs thereafter.

CHANGE OF COURSE(S) (ADD):

Tuition for courses added after the original due date will be due no later than the last day to register for the semester to retain the course.

CHECKS

In the event a student presents a check which is not honored by the drawee's bank, JSU will charge the current maximum returned check fee allowed by law for each returned check. Enforced withdrawal from the University may result if a returned check is in payment of tuition and/or fees. After having two (2) checks returned, privilege of paying by check is forfeited. No counter checks will be accepted.

INTERNATIONAL STUDENTS

International students are required each semester to pay tuition, fees, and residence hall charges in U.S. dollars to confirm registration by the published date. International students must conform to Immigration and Naturalization Service (INS) regulations concerning the INS Form I-20, Section 8, for financial assurance. All international students are required to carry health and repatriation insurance.

RESIDENCE HALL AND APARTMENT POLICIES

All students desiring on-campus housing will need to complete an on-line application for housing and pay a \$150 non-refundable application fee. Additional information concerning housing and the terms of the lease agreement may be found at www.jsu.edu/housing. The \$150 non-refundable application fee must be submitted on-line with the application in order to reserve a room. All residents of University Housing and Residence Life must maintain enrollment at Jacksonville State University.

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

NOTE: Rates are subject to change without notice. All utilities are included in the rates. Apartment leases are nine month leases.

WITHHOLDING OF CREDITS

The complete academic record may be withheld from any student who is indebted to the University for any reason until the account is settled through the Bursar's Office.

ANTHROPOLOGY

The Department of Physical and Earth Sciences offers courses in support of the Master of Arts with a major in liberal studies. A graduate degree program is not offered in anthropology.

ANTHROPOLOGY COURSES

Prefix AN

- 410G. Archaeological Field School (3).** Designed to provide the student field experience in methodology and techniques of archaeological data recovery.
- 412G. Lab Techniques in Archaeology (3).** Instruction and experience in the techniques of artifact preparation, analysis, cataloging, and storage. (May be used in the social science teaching field with a major in secondary education.)
- 490G. Advanced Seminar in Anthropology (3).** Prerequisite: AN 224 or permission of instructor. Examination of current issues in anthropology. (May be used in the social science teaching field with a major in secondary education.)

BIOLOGY

The Biology Department offers courses leading to the Master of Science (MS) with a major in biology and supporting courses for the Master of Arts with a major in liberal studies. For students majoring in secondary education with a teaching field in biology or general science, supporting courses are offered for the MS.Ed. and the Ed.S. degrees.

Students accepted to the MS with a major in biology must meet with the graduate advisor. An Advisory Committee will be selected to assist the student in developing a degree plan that satisfies University and departmental degree requirements.

APPLICATION MATERIALS REQUIRED FOR THE MS WITH A MAJOR IN BIOLOGY

Applicants for the MS with a major in biology may be permitted to enroll for one semester of graduate course work while completing all other general application procedure requirements.

Applicants for the MS with a major in biology must submit the following documentation to the College of Graduate Studies, Jacksonville State University, 700 Pelham Road North, Jacksonville, Alabama 36265-1602, to be considered for admission:

1. Completed JSU Graduate Application for Admission (http://www.jsu.edu/graduate/grad_app.html)
2. Non-refundable \$30.00 application processing fee
3. Official transcripts(s) from all postsecondary institutions attended. (Students who have previously attended JSU do not need to request a transcript from the University.)
4. Official tests scores on the General Test of the GRE or the MAT (please refer to page 18 of this *Bulletin*).
5. Three "Graduate Reference Forms" completed by individuals who can provide qualitative assessment of the applicant's potential for success in graduate course work. This form is available in the office of the College of Graduate Studies or online at <http://www.jsu.edu/graduate/forms.html> or http://www.jsu.edu/graduate/docs/ref_form.pdf.
6. If English is not the applicant's native language, the applicant is required to submit an official TOEFL score report, an IELTS score report, or a PTE score report (please refer to page 28 of this *Bulletin*).

ADMISSION REQUIREMENTS FOR THE MS WITH A MAJOR IN BIOLOGY

In addition to meeting the general admission requirements above, applicants for the MS with a major in biology must have an undergraduate major in biology or its equivalent, as determined by the Biology Department, including courses equivalent to Introductory Biology I (BY 101, 103), Introductory Biology II (BY 102, 104), Genetics (BY 322), Ecology (BY 332), and Cell Biology (BY 373). Applicants with majors in other natural sciences or mathematics will be considered for admission; however, additional courses may be required.

Applicants must meet one of the following admission formula requirements. For purposes of computing the undergraduate GPA, a 4.0 grade-point scale is used. The plus (+) and minus (-) grades from undergraduate transcripts are not used in calculating the GPA.

Unconditional Admission

To obtain unconditional admission into the MS program with a major in biology, applicants must meet one of the following formula requirements:

450 times the undergraduate GPA plus the total score of verbal and quantitative sections of the General Test of the GRE is equal to or greater than a total of 1600 points;

OR

15 times the undergraduate GPA plus the MAT score is equal to or greater than a total of 60 points;

Conditional Admission

Any applicant failing to meet the requirements for unconditional admission may be conditionally admitted with the recommendation of the graduate faculty in the applicant's major and approval of the Dean of the College of Graduate Studies.

Applicants who are granted conditional admission must achieve a GPA of at least 3.0 on the first 12 graduate hours attempted within a twelve-month time frame. Failure to meet these conditions will result in the student being dropped from graduate studies.

MINIMUM REQUIREMENTS FOR THE MS WITH A MAJOR IN BIOLOGY

Non-Thesis Option:

A minimum of 36 graduate semester hours (18 must be at the 500 level), including successful completion of an acceptable original research paper and a comprehensive examination. A minimum GPA of 3.0 on a 4.0 scale in all graduate work in biology is required. The 36 graduate semester hours for the non-thesis option will include the following courses:

Non-Thesis Option (total hours: 36)

1. Four (4) 500 level courses (12 semester hours):
choose from BY 521, 533, 538, 539, 540, 542, or 562;
2. Two (2) 500 level seminar courses (4 semester hours):
choose from BY 570, 571, 572, 573, 574, 575, 576, or 577;
3. BY 595 Research Project (3 semester hours); and
4. Seventeen (17) hours of committee approved electives (17 hours).

36 Graduate Semester Hours Required for the Non-Thesis Option

Thesis Option:

A minimum of 30 graduate semester hours (of which half must be at the 500 level), including successful completion of an acceptable thesis and a comprehensive examination. A minimum GPA of 3.0 on a 4.0 scale in all graduate work in biology is required. The 30 graduate semester hours for the thesis option will include the following courses:

Thesis Option (total hours: 30)

1. Two (2) 500 level courses (6 semester hours):
choose from BY 521, 533, 535, 538, 540, 542, 546 or 562;
2. Two (2) 500 level seminar courses (4 semester hours):
choose from BY 570, 571, 572, 573, 574, 575, 576, or 577;
3. BY 415G Biometrics (or its equivalent) (3 semester hours);
4. BY 599 Thesis I and II (6 hours); and
5. Eleven (11) hours of committee approved electives (11 semester hours).

30 Graduate Semester Hours Required for the Thesis Option

BIOLOGY COURSES

Prefix BY

- 402G. Medical Microbiology (4).** Prerequisites: BY 323 or 283 and permission of the instructor. Study of pathogenic bacteria, viruses, fungi, and parasites of humans and some domestic animals; identification of pathogens, disease processes, and public health emphasized; lecture and laboratory.
- 403G. Immunology (4).** Prerequisite: BY 373; BY 323 recommended. Study of immunity and how the immune system responds to specific infectious and

non-infectious agents; comparative immunology of invertebrate and vertebrate animals, immunological disorders, and application of immunological techniques; lecture and laboratory.

- 405G. Animal Behavior (3).** Prerequisite: BY 332. Genetic and anatomical bases of behavior; impact of behavior on the ecology of animals emphasized; lecture, discussion, demonstration and library studies.
- 406G. Ornithology (4).** Prerequisite: BY 332. History, classification, anatomy, physiology, ecology, and distribution of birds; laboratory emphasis on field identification and ecology; lecture, laboratory, and field studies.
- 407G. Mammalogy (4).** Prerequisite: BY 332. Aspects of the biology, ecology, taxonomy, and distribution of southeastern mammals; lecture, laboratory, and field studies.
- 412G. Plant Reproduction and Development (4).** Prerequisites: BY 322, 373; CY 105, 106, 107, 108 recommended. Study of structural and functional aspects of reproductive and developmental phenomena in vascular plants; lecture and laboratory.
- 413G. Animal Reproduction and Development (4).** Prerequisites: BY 322, 373; CY 105, 106, 107, 108 recommended. Study of the structural and functional aspects of reproductive and developmental phenomena in animals with emphasis on the cellular and molecular mechanisms involved; lecture and laboratory.
- 415G. Biometrics (3).** Prerequisites: BY 322, 332, or 373 and MS 204. An introduction statistics for biology majors. This course will introduce students to appropriate statistics for analyzing biological data including how to select random samples, use of basic statistical packages, post-hoc statistical testing and the use of linear regression and will use real-world examples of statistics in ecological, toxicological, and physiological research; lecture and laboratory. Recommended as an elective for non-thesis option students.
- 422G. Biology of Cryptograms (4).** Prerequisites: BY 332, 373. The study of blue-green algae, algae, slime molds, bryophytes, and lichens; lecture, laboratory, field, and library study. Extensive field and laboratory identifications.
- 431G. Cellular Physiology (4).** Prerequisites: BY 373, CY 105, 106, 107, 108; CY 231, 232 recommended. Systematic survey of cellular physiology in eukaryotic cells, membranes, energetics, and genetic expression emphasized; lecture and laboratory.
- 432G. Experimental Ecology (4).** Prerequisites: BY 332; MS 204, CS 201 recommended. Experimental design and analysis of ecological data using appropriate ecological instrumentation; lecture, laboratory, and field studies.
- 434G. Animal Systems Physiology (4).** Prerequisites: BY 373; CY 105, 106, 107, 108; CY 231, 232 and one semester of physics recommended. Systematic survey of organ system physiology in vertebrates; systems analysis, biophysics, and bioengineering emphasized; lecture and laboratory.
- 435G. Landscape Ecology (4).** Prerequisites: BY 332, MS 204. Lecture, laboratory, and field study. Emphasis will be on the role of spatial heterogeneity in terrestrial systems: its detection and description, analysis of pattern formation, landscape dynamics and models, human interactions with heterogeneity, and the implications of heterogeneity of populations, communities, and ecosystems. Landscape ecology provides new approaches to fundamental research questions in ecology, as well as new approaches to forest and resource management that consider ecosystem processes at larger spatial and temporal scales.
- 438G. Freshwater Biology (4).** Prerequisite: BY 332. Analysis of the unique ecology and biology of the freshwater environment; extensive field work; research project; lecture, laboratory, and field studies.

- 439G. Microbial Ecology (4).** Prerequisites: BY 323, 332. Microbial component of the global ecosystem including interactions among microorganisms and between microorganisms, plants, and animals, biogeochemical cycles, and application to various technologies; lecture, laboratory, and field studies.
- 440G. Evolutionary Biology (4).** Prerequisite: BY 322. Study of the processes and mechanisms which lead to evolutionary change in the biota; lecture, laboratory and field studies.
- 442G. 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.
- 445G. Ecotoxicology (4).** Prerequisites: BY 332, 373. Recommended: BY 322. This course is a survey of ecotoxicology. The study of the integration of the major processes involved with transport, exposure and response of biological systems to xenobiotics, how toxicants mediate interactions between organisms and their biotic and abiotic environments and, the impact and toxic effects of pollutants on diversity, growth and metabolism of living organisms, populations, communities, and the ecosystem; lecture, laboratory and field study.
- 450G. Molecular Biology (4).** Prerequisites: BY 322, 373 or permission of the instructor. Study of the processes involved in the expression of biological information at the molecular level; lecture and laboratory.
- 451G. Plant Anatomy (4).** Prerequisite: BY 373. Study of the comparative structural organization of the vegetative and reproductive parts of seed plants, from cells to tissues to systems; lecture and laboratory.
- 452G. Plant Taxonomy (4).** Prerequisite: BY 322 or 332. Survey of plant nomenclature, identification systems, description, evolution, and classification; vascular plants emphasized; lecture, library, laboratory, and field studies.
- 453G. Dendrology (4).** Prerequisite: BY 332. Lecture, laboratory and field study. The identification, taxonomy, ecological characteristics, distribution and economic importance of trees native and ornamentals native to North America.
- 454G. Tropical Biology (3).** Prerequisites: BY 101, 102, 103, 104, and permission of instructor. An extensive field trip to study the flora and fauna of tropical regions. A written and oral report is required.
- 455G. Plant Ecology (4).** Prerequisite: BY 322 or 332. Major plant communities of the southeastern U.S. and their relationships with major abiotic features; autecological field studies of plant species and populations included; lecture, laboratory, library and field studies.
- 458G. Herpetology (4).** Prerequisite: BY 332. Recommended: BY 320. Taxonomy, ecology, physiology, and external anatomy of amphibians and reptiles; conservation and field methodology emphasized; lecture, laboratory and field studies.
- 460G. Ichthyology (4).** Prerequisite: BY 332. An overview of the evolution, ecology, behavior, physiology, and conservations of fishes. Preparation and presentation of an original library or lab/field research project required. Lecture, laboratory, and field study.
- 464G. Wetland Ecosystems (4).** Prerequisite: A course in ecology. A survey of families and species of wetland plants, including a review of their morphology, ecology, systematic, dynamics and function of individual species; extensive field work; research project; lecture, laboratory and field studies.
- 475G. Economic Botany (4).** Prerequisite: BY 322 or 332. Collection identification, culture and preservation of plants for illustration and utilization in the

classroom and laboratory; two class periods and one laboratory period per week.

- 476G. Invertebrate Zoology (4).** Prerequisite: BY 332. Systematics, ecology, physiology, and phylogenetic relationships of invertebrate animals; lecture, laboratory, and field studies.
- 477G. Cell and Tissue Culture (4).** Prerequisites: BY 101, 102, 103, 104, 373, CY 105-108. Recommended: BY 322, 412, 431 and CY 231. Cell and Tissue Culture is an advanced biology course dealing with in vitro manipulation of cells, organs, and tissues; both solid and suspension culture and their application to biotechnology. Lecture and laboratory.
- 478G. Endocrinology (3).** *Prerequisites: BY 373 and BY 434 or permission of the instructor.* 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 mechanism of hormone actions.
- 479G. Plant Physiology (4).** Prerequisite: BY 373; BY 451 recommended. Mineral nutrition, water relations, photosynthesis, metabolism and transport in vascular plants; lecture and laboratory.
- 480G. Advanced Topics in Biology I (1).** Prerequisite: BY 322 or 332 or 373. Lecture and discussion; topics to be posted in the Biology Department.
- 481G. Advanced Topics in Biology II (1).** Prerequisite: BY 322 or 332 or 373. Lecture and discussion; topics to be posted in the Biology Department.
- 503. Special Problems in Biology (2).** Special topics approved by instructor after consideration of student's background.
- 504. Problems in Biology (1).** Special topics approved by instructor after consideration of student's background.
- 521. Physiological Adaptations (3).** Prerequisites: graduate standing and BY 434 or its equivalent. An in-depth survey of selected topics in comparative physiology. Interactions between organisms and their environments will be examined with an emphasis on molecular and cellular adaptations. Phenotypic differences in adaptations will serve as a central theme for this course. Designed to expose students to the various topics through lecture, primary literature, and lab presentations/activities.
- 533. Advanced Plant Biology (3).** Prerequisite: graduate standing. Study of plant biology consisting of lectures, discussions, investigative laboratory exercises on the topics of plant classification, plant anatomy and reproduction, plant growth and development, the physiology and biochemistry of plants, plants genetics and molecular biology, plants interactions with their environments, and the impacts of plants to our society. Designed to expose students to the various topics through lecture, primary literature, and lab presentations/activities.
- 535. Functional Vertebrate Anatomy (3).** Prerequisite: BY 320 or equivalent, or permission of the instructor. Lecture and demonstration. This course will emphasize the adaptations of vertebrate animals as revealed by morphology and will study the anatomy of vertebrates, as it relates to topics such as locomotion, reproductions, digestion, and physiology. In addition, molecular and morphological phylogeny of vertebrate groups using datasets will be studied. Designed to expose students to the various topics through lecture, primary literature, and lab presentations/activities.
- 538. Population and Community Ecology (3).** This course addresses theoretical and applied issues at both the population and community levels. Topics include population and community structure/stability, trophic relations, population interactions, population and community dynamics, landscape

ecology, and others. Discussion of primary literature will be a large part of this course.

- 540. Invertebrate Relationships (3).** Prerequisite: Permission of the instructor. An analysis of recently published research in the anatomy, morphology, phylogeny, and physiology of invertebrate animals. The major invertebrate phyla (including parasitic forms) will be emphasized. Designed to expose students to the various topics through lecture, primary literature, and lab presentations/activities.
- 542. Biodiversity: The Kingdoms of Living Things (3).** Prerequisite: BY 332 or its equivalent. Lectures and demonstrations. Biodiversity emphasizing systematic, phylogeny, structure, function, life cycles, ecology, and economics. Designed to expose students to the various topics through lecture, primary literature, and lab presentations/activities.
- 546. Molecular Genetics (3).** Prerequisites: BY 322 or its equivalent or permission of the instructor. A survey of molecular genetics focusing on the analysis of genomes, genes, and chromosomes. Discussion of modern genetic analysis techniques will be integrated into these topics. Biotechnology topics will include nucleic acid isolation methods, PCR, gene expression analysis, gene cloning, expression systems, proteomics, DNA sequencing, and molecular phylogenetic analysis.
- 562. Symbiotic Associations (3).** Prerequisites: BY 322, 332, 373 or equivalent and one 400 level organismal courses. Analysis of the nature and mechanism of symbiotic associations, including commensalism, mutualism, parasitism, that involve interactions between organisms. Designed to expose students to the various topics through lecture, primary literature, and lab presentations/activities.
- 570. Seminar in Developmental Biology (2).** Prerequisite: Permission of the instructor. Presentation, discussion, and analysis of recently published research in developmental biology of cells, tissues, and organ systems in plants, animals, or microbes; independent library research required.
- 571. Seminar in Organismal Biology (2).** Prerequisite: Permission of the instructor. Presentation, discussion, and analysis of recently published research focusing on specific groups of organisms; independent library research required.
- 572. Seminar in Ecology (2).** Prerequisite: Permission of the instructor. Presentation, discussion, and analysis of recently published research in plant, animal, or microbial ecology; independent library research required.
- 573. Seminar in Cell Biology (2).** Prerequisite: Permission of the instructor. Presentation, discussion, and analysis of recently published research in cellular biology; independent library research required.
- 574. Seminar in Evolutionary Biology (2).** Prerequisite: Permission of the instructor. Presentation, discussion, and analysis of recently published research in evolutionary biology; independent library research required.
- 575. Seminar in Genetics (2).** Prerequisite: Permission of the instructor. Presentation, discussion, and analysis of recently published research in plant, animal, or microbial genetics; independent library research required.
- 576. Seminar in Physiology (2).** Prerequisite: Permission of the instructor. Presentation, discussion, and analysis of recently published research in plant, animal, or microbial physiology; independent library research required.
- 577. Seminar in Systematics (2).** Prerequisite: Permission of the instructor. Presentation, discussion, and analysis of recently published research in systematic biology; independent library research required.
- 595. Research Project (3) (3).** (Grade of Pass or Fail only) Prerequisites: Completion of at least 20 hours of graduate study in biology, and permission

of the instructor. Completion of an acceptable original research paper; non-thesis option only.

- 596. Research I (1) (1).** (Grade of Pass or Fail only). Prerequisites: Approval of Application for Thesis Option and permission of the instructor. Original field and/or laboratory research in the biological sciences; thesis option only.
- 599. Thesis (3) (3).** (Grade of Pass or Fail only) Prerequisite: Approval of Application for Thesis Option. See "Thesis Options and Procedures" on page 42 of this *Bulletin*.

MARINE ENVIRONMENTAL SCIENCES CONSORTIUM

Graduate students may take marine biology courses for credit toward the MS with a major in biology and supporting courses for the MA with a major in liberal studies. For students majoring in secondary education with a teaching field in biology or general science, supporting courses are offered for the MS.Ed. and the Ed.S. degrees.

These courses are offered only at the Dauphin Island Sea Lab (Dauphin Island, Alabama) which is sponsored by the Marine Environmental Sciences Consortium (MESC). The Consortium is composed of 23 Alabama colleges and universities. Special laboratory fees, tuition, and frequency of courses are determined by the Sea Lab staff. Information concerning number of class periods and laboratories, application, and registration may be obtained from the Marine Biology advisor, Room 242 Martin Hall, in the Biology Department at JSU.

MARINE BIOLOGY COURSES Prefix MBY

- 410G. Marine Fisheries Science (4).** Prerequisite: Graduate standing in biology. In-depth study of the principles and methods of fishery biology and their application to conservation; lecture and laboratories.
- 411G. Marine Ecology (4).** Prerequisites: Graduate standing in biology; marine invertebrate zoology or marine biology (one semester of physics recommended). 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; individual species will be studied as they relate to ecological principles which they exemplify, thus providing both a taxonomic and ecologic background.
- 412G. Coastal Ornithology (4).** Prerequisite: Graduate standing in biology. Study of coastal and pelagic birds with emphasis on ecology, taxonomy, and distribution; identification, population dynamics, and behavior of coastal birds; lecture, laboratory, and overnight trips to offshore islands.
- 415G. Marine Botany (4).** Prerequisite: Graduate standing in biology. General study 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.
- 417G. Estuarine Science (4).** Survey of estuarine ecosystems with particular emphasis on the interactions between physical, geological, chemical, and biological processes; lecture, laboratory, and field trips.
- 420G. Coral Reef Ecology (4).** Examines the ecology and evolution of coral reef communities, seagrass beds, and mangrove swamps with exploration of such issues as the degradation of reef-building corals and sea urchins, over-fishing and pollution. Students will participate in lectures and field exercises in the vicinity of Dauphin Island, and will take a one-week field trip to Andros Island, Bahamas.
- 421G. Special Topics: Marine Conservation Biology (4).** Intended to develop a student's understanding of conservation biology by building upon the foundations of ecology; lectures and field exercises; requires students to develop a topical term paper and give a presentation.

- 423G. Marsh Ecology (4).** Prerequisite: Graduate standing in biology. Study of floral and faunal elements of various marine marsh communities; interaction of physical and biological factors will be emphasized; structured to provide field experience in addition to lecture material; trips will be scheduled to acquaint students with regional examples of marsh types.
- 427G. Marine Technical Methods I (2).** Prerequisite: Graduate standing in biology. Introduction to instruments and procedures normally utilized aboard a marine research vessel; includes physical, biological, chemical, and geological parameter measurements and sample collections; basic positioning and communication procedures included.
- 428G. Marine Technical Methods II (2).** Prerequisite: Graduate standing in biology. Introduction to the laboratory methodology associated with the usual chemical parameters of nutrient analysis; laboratory approach will be pursued; shipboard and other specific skills will be developed.
- 460G. Dolphins and Whales (2).** Designed to enable 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; lecture and laboratory.
- 461G. Marine Behavioral Ecology (4).** 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; lectures, laboratory, and field exercises (some overnight).
- 462G. Marine Protozoology (3).** Study of the major groups of protists from a variety of marine habitats including their taxonomy, structure, ecology of methods of identification; lectures, laboratory, and field trips.
- 463G. Marine Fish Diseases (3).** Introduction to marine animal diseases, specifically finfish and shellfish; practical microbiological techniques for isolation and identification of diseases; lecture, laboratory, and field trips.
- 464G. Introduction to Neurobiology (5).** Introduction to the neuroanatomy and neurophysiology of marine invertebrates and vertebrates; Neuroism computer package used to help illustrate the basic principles and to allow a detailed exploration of neurophysiology and neural networks; lecture and laboratory.
- 486G. Marine Vertebrate Zoology (4).** Prerequisite: Graduate standing in biology. Study of marine fish, reptiles, and mammals, with a comprehensive treatment of their systematics, zoogeography, and ecology; lectures will encompass subject matter on a non-regional basis; field and laboratory work will stress the vertebrate fauna of the northern Gulf of Mexico; students will have the opportunity to assemble a collection of vertebrate species.
- 487G. Marine Invertebrate Zoology (4).** Prerequisite: Graduate standing in biology. Examination of the systematics, ecology, physiology, and phylogenetic relationships of locally occurring marine invertebrate taxa; lecture, laboratory, and field work required; students have an opportunity to acquire collections of local fauna.
- 501. Field Marine Science - Florida (2).** Prerequisite: MBY 309. This course will consist of a 10-day field exercise in representative tropical sites in the southeastern Gulf of Mexico. Lecture, field exercises, research exercises.
- 502. Field Marine Science - Maine (2).** Prerequisite: MBY 309. Consists of a 12-day field exercise in coastal Maine with emphasis on rocky intertidal, kelp bed and eelgrass habitats; lecture, field exercises, research exercises.

- 505. Fisheries Techniques (3).** Prerequisite: An ichthyology course or MBY 486 or an introductory course in fisheries; introductory statistics recommended. Detailed, semi-quantitative to current biological and technological methodologies for studying fishes and aquatic habitats, with an emphasis on study design and integration across sub-disciplines.
- 515. Marine Resource Management (2).** Designed to acquaint students to the management of marine resources, development of legislation, evolution of policy, legal processes, and impacts on human resources; lecture and discussion sessions.
- 530. Marine Microbial Ecology (3).** General survey of the types of micro-organisms found in the marine environment; emphasis will be on the interaction of micro-organisms with each other and with their environment; lecture and discussion sessions.
- 540. Marine Biology for Teachers (6).** Prerequisites: One year of general biology and graduate standing in biology. General survey of marine plants, invertebrates, and vertebrates, the communities they form and the physical and chemical factors which influence their lives; second component will cover materials and methods of instruction on marine topics.
- 542. Marine Plankton (3).** Prerequisite: MBY 566. Familiarizes students with the taxonomic breadth of phytoplankton, bacterioplankton, and zooplankton in estuaries, coastal seas, and open oceans; lecture and discussion sessions.
- 554. Marine Biogeography and Paleobiology (3).** Prerequisite: BY 332 or MBY 411. Broad overview of the time course of evolutionary changes in the structure and function of marine ecosystems, and will consider the interacting roles of both historical and current factors as they influence the distribution and abundance of marine organisms; lecture and discussion sessions.
- 555. Marine Biogeochemical Processes (2).** Prerequisites: Graduate standing in biology and a background that includes inorganic and organic chemistry, geology, marine ecology or oceanography. Interaction between biological, chemical, and geological processes in the marine environment; examination of the cycling of major elements, how these cycles differ between different marine ecosystems and how these processes serve to regulate ecosystem functioning.
- 558. Advanced Marine Ecology (2).** Prerequisites: BY 332 and MBY 411. Study of the understanding of ecological processes with an emphasis on the mechanisms that control the distribution of plants and animals at scales ranging from the individual to the ecosystem; lecture and discussion sessions.
- 559. Benthic Ecology (2).** Prerequisite: BY 332 or MBY 411G. Evolutionary history and the ecology of marine benthic communities from the earliest fossils to the present; topics include predation, competition, adult/larval interactions, dispersal mechanisms, productivity, materials cycling, and the relative importance of grazing and detritus in different ecosystems.
- 564. Marine Zoogeography (4).** Prerequisite: 12 semester hours of biology. Study of physical, chemical, and biological factors influencing distribution of marine organisms; importance of continents; open oceans, and species competition on animal distribution; special attention to zoogeographical patterns in the Gulf of Mexico, western North Atlantic, and Caribbean regions.
- 566. Biological Oceanography (3).** Focuses on patterns and processes that are of consequence to the interaction of organisms and the sea and encompasses both pelagic and benthic environments; lecture, laboratory, and discussions.

- 567. Fisheries Oceanography (2).** Examination of the relationships between fish and life history, recruitment dynamics and harvest potential, and local-, meso-, and global-scale oceanographic processes; lecture and discussion sessions.
- 572. Coastal Ecosystems Dynamics (2).** Prerequisite: MBY 566 recommended. Investigation of the basic principles of ecosystem structure and function; course divided into two parts: an instructional phase of learning basics of ecosystem modeling, and a student-led investigation of the structure and function of a variety of coastal ecosystems.
- 591. Directed Research (2).** Prerequisites: Special arrangement and permission of the instructor. Research in any subject areas of marine science currently offered at the Sea Lab.

BUSINESS ADMINISTRATION

The College of Commerce and Business Administration (CCBA) offers courses leading to the Master of Business Administration (MBA). It also offers an area of concentration in administrative management within the Master of Public Administration (MPA) degree program (please refer to the Public Administration section of this *Bulletin* for admission and program requirements for the MPA program).

The College is accredited by AACSB International - Association to Advance Collegiate Schools of Business.

The mission of the CCBA is to educate undergraduate and graduate students for successful managerial careers in a dynamic global environment, to be productive and ethical citizens, and to be prepared for advanced studies.

Research opportunities are available to graduate students under the supervision of the College's faculty members. Real-world case studies are available through the College's Small Business Development Center and internships enable students to acquire on-the-job work experience.

APPLICATION MATERIALS REQUIRED FOR THE MBA DEGREE

Deadline dates for application and receipt of all required application materials for the MBA degree are: November 1 for spring semester admission, April 1 for May and summer terms admission, and July 1 for fall semester admission. Applicants for the MBA must submit the following documentation to the College of Graduate Studies, Jacksonville State University, 700 Pelham Road North, Jacksonville, Alabama 36265-1602, to be considered for admission:

1. Completed JSU Graduate Application for Admission (http://www.jsu.edu/graduate/grad_app.html)
2. Non-refundable \$30.00 application processing fee
3. A letter of application setting forth career goals
4. A professional resume including education, employment, and community activity involvement
5. Official transcript(s) from all postsecondary institutions attended (Students who have previously attended JSU do not need to request a transcript from the University.)
6. Three "Graduate Reference Forms" completed by individuals who can provide qualitative assessment of the applicant's potential for success in graduate course work and citing potential professional leadership ability. This form is available online at <http://www.jsu.edu/graduate/forms.html> or http://www.jsu.edu/graduate/docs/ref_forms.pdf.
7. Official test scores on the GMAT. The GMAT must be taken within the five year time frame immediately preceding enrollment. Note: A minimum acceptable GMAT score of 400 is required (in addition to the required formula score: $200 \times \text{undergraduate GPA} + \text{GMAT}$ is greater than or equal to 950).

Information regarding application for this test may be obtained by contacting the organization below:

Graduate Management Admission Test
Educational Testing Service
P.O. Box 6103
Princeton, NJ 08541-6103
Telephone: 1-800-GMAT-NOW or 609-771-7330
Website: www.mba.com
Email: gmtat@ets.org

8. If English is not the applicant's native language, the applicant is required to submit an official TOEFL score report, an IELTS score report, or a PTE score report (please refer to page 22 of this *Bulletin*).
9. Students entering graduate courses must have a working knowledge of Microsoft Office, to include: Word, Excel, and PowerPoint.

Transfer Credit

Transfer credits are accepted from AACSB International accredited schools only.

No transfer credit(s) will be accepted once students are enrolled in the MBA program, except in cases of extreme hardship to be determined by the MBA Director and the Dean of the College of Graduate Studies.

ADMISSION REQUIREMENTS FOR THE MBA DEGREE

All students seeking admission to the MBA program must have completed the application process and been admitted to the program prior to enrolling in MBA classes. Admission to the program requires that all application materials be submitted to Graduate Studies, to include a GMAT score of at least 400 and a formula score (200* undergraduate GPA + GMAT) of at least 950. (See explanation for unconditional and conditional admission).

Deadlines for application will be as follows:

Fall Admission – Deadline for application is July 1st.

Spring Admission – Deadline for application is November 1st.

Summer Admission – Deadline for application is April 1st.

(all deadlines will be strictly adhered to)

Students receiving undergraduate degrees from institutions not accredited by a United States regional accrediting association must meet unconditional admission requirements. The GMAT must be taken within the five year time frame immediately preceding enrollment.

Applicants must meet one of the following admission formula requirements. For purposes of computing the undergraduate GPA, a 4.0 grade-point scale is used. The plus (+) and minus (-) grades from undergraduate transcripts are not used in calculating the GPA.

Unconditional Admission

To obtain unconditional admission into the MBA program, students must meet one of the following formula requirements:

200 times the undergraduate GPA on the initial under-graduate degree plus the GMAT score is equal to or greater than a total of 950 points.

As a requirement for admission, a minimum acceptable GMAT score of 400 is required. This is in addition to the current formula score.

OR

200 times the undergraduate GPA on the last 64 hours attempted toward completion of the initial undergraduate degree plus the GMAT score is equal to or greater than a total of 1000 points.

As a requirement for admission, a minimum acceptable GMAT score of 400 is required. This is in addition to the current formula score.

Conditional Admission

Any applicant failing to meet the requirements for unconditional admission, as defined above, may be considered for conditional admission if the student meets one of the following formula requirements: (Note: International students must meet the requirements for unconditional admission; international students are not eligible for conditional admission.)

200 times the GPA on the initial undergraduate degree plus the GMAT score is equal to or greater than a total of 850 points;

OR

200 times the GPA on the last 64 hours attempted toward the completion of the initial undergraduate degree plus the GMAT score is equal to or greater than a total of 900 points.

Students who are granted conditional admission must achieve a GPA of at least 3.0 on the first 12 graduate hours attempted within the time frame specified by the CCBA Graduate Committee and indicated in writing to the student. Failure to comply will result in the student being dropped from the program.

All applications will be reviewed by a Graduate Committee composed of members of the graduate faculty within the College of Commerce and Business Administration and the MBA Director. The Graduate Committee will submit to the Dean of the College of Graduate Studies its recommendation on the conditional admission of each applicant. The Dean of the College of Graduate Studies, in conjunction with the MBA Director, will make the final decision on the conditional admission of the student.

MINIMUM REQUIREMENTS FOR THE MBA DEGREE

The MBA program consists of 30 semester hours of graduate business courses for the general program or 33 semester hours of graduate business courses for the accounting concentration, plus 24 semester hours of foundation courses for a total of 54 semester hours for the general program and 57 semester hours for the accounting concentration. A comprehensive examination is required of all candidates.

FOUNDATION COURSES:

Credit for foundation course work may be given for courses already completed as part of a baccalaureate degree. Students without adequate undergraduate preparation are required to complete the 24 semester hours of foundation business and economics courses listed below. The MBA Director will evaluate each student's undergraduate course work to determine which foundation courses are required prior to the student taking MBA courses. The graduate GPA is computed on all graduate hours attempted. Although grades achieved on undergraduate foundation courses will not be included in the computation of the graduate GPA, a student must earn a grade of B or above in each of these specified, required courses if they are taken after the completion of the baccalaureate degree.

MGT	504	Business Organization and Administration (3)
BA	500	Statistics and Quantitative Methods (3)
ACC	200	Principles of Financial Accounting (3)
EC	222	Principles of Macroeconomics (3)
FIN	301	Business Finance (3)
FIN	292	Legal and Social Environment (3)
CBA	390	Operations Management (3)
MKT	301	Principles of Marketing (3)

Students who have adequate undergraduate preparation or who have satisfied the foundation requirements may enroll in MBA courses, given that all individual course prerequisites are met. Students without adequate preparation will only be allowed to take only courses in fields of study in which the prerequisite course work has been completed.

Individuals who do not have a baccalaureate degree in a business field, but who have at least three years of prior mid-level management experience in an approved managerial position(s) may request that a portion of the foundation course work be waived. Students must document their managerial experience(s) and approval must be granted by the graduate committee of the CCBA. Students in this category must complete a total of 18 hours of the foundation course work, including BA 500, EC 222, ACC 200, and FIN 301. The remaining six hours to be taken will be based on an evaluation by the MBA Director. For more information, contact the MBA Director, 110 Merrill Hall, phone 256-782-5778.

After completion of foundation course work, students may select either the general MBA or the MBA with an accounting concentration. The general MBA program is a total of 30 semester hours; the MBA with an accounting concentration is a total of 33 semester hours.

**MASTER OF BUSINESS ADMINISTRATION
Accounting Concentration**

Required Courses (24 semester hours):

ACC	512	Accounting Information Analysis (3)
BA	545	Quantitative Methods for Business Decisions (3)
BA	587	Business Policy & Strategy (3)
BA	590	International Business (3)
EC	515	Managerial Economics (3)
FIN	515	Financial Management (3)
MGT	537	Business Leadership (3)
MKT	513	Marketing Administration (3)

Electives (9 semester hours):

(Electives may be selected from courses numbered 400G and above from among any of the approved accounting courses listed in the Course Description section on the following page of this *Bulletin*.)

33 Graduate Semester Hours Required for this MBA Program

**MASTER OF BUSINESS ADMINISTRATION
General Concentration**

Required Courses (24 semester hours):

ACC	512	Accounting Information Analysis (3)
BA	545	Quantitative Methods for Business Decisions (3)
BA	587	Business Policy & Strategy (3)
BA	590	International Business (3)
EC	515	Managerial Economics (3)
FIN	515	Financial Management (3)
MGT	537	Business Leadership (3)
MKT	513	Marketing Administration (3)

Electives (6 semester hours):

(Electives may be selected from courses numbered 400G and above from among any of the approved CCBA courses listed in the Course Description section on the following pages of this *Bulletin*.)

30 Graduate Semester Hours Required for this MBA Program

ACCOUNTING COURSES

Prefix ACC

(Students who select the accounting concentration may be required to take additional undergraduate accounting courses to satisfy specific course prerequisites.)

- 476G. Advanced Income Tax Accounting (3).** Prerequisite: ACC 372. Advanced federal income tax topics including property transactions and international taxation issues. The course also focuses on the taxation of corporations, 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. (Fall.)
- 490G. Advanced Auditing (3).** Prerequisite: ACC 477. The practical application of auditing concepts and standards. An understanding of auditing principles is reinforced and explained by exposure to problems and cases. (Spring.)
- 497G. Seminar in Accounting (3).** Prerequisites: ACC 512 and ACC 490G. Examines critical accounting topics through intensive review of current literature and pronouncements. Assesses student's ability to effectively communicate accounting information.
- 512. Accounting Information Analysis (3).** Prerequisite: ACC 200 or equivalent. Analysis and use of accounting data as a tool for managerial decision making; analysis of financial reporting, cost behavior, budgeting, and decision making.
- 589. Internship in Accounting (3).** Prerequisites: Permission of the instructor and approval of the MBA Director. (Grade of Pass or Fail only.) Provides the graduate student with practical experience in the field of accounting via a "real-world" work experience arrangement with an accounting firm.
- 598. Independent Research (3).** Prerequisite: Completion of 18 semester hours of graduate courses including a three semester hour quantitative course. Permission of the instructor and approval of the MBA Director. In-depth study of selected topic(s).

BUSINESS ADMINISTRATION COURSES

Prefix BA

- 500. Statistics and Quantitative Methods (3).** Quantitative methods and statistics as applied to business and economics; topics include optimization, descriptive statistics, probability theory, sampling and statistical inference, hypothesis testing, regression and correlation analysis, and analysis of variance.
- 501. Organizational Communication (3).** Focuses on prevalent communication skills in complex organizations; students participate in a variety of communication-related activities including questionnaire design, developing presentation materials, presentational speaking, and researching and writing an effective business report; topics include organizational communication, nonverbal communication, and communication technology.
- 545. Quantitative Methods for Business Decision Making (3).** Prerequisite: BA 500 or equivalent. May not be taken for credit if student has completed BA 540. Focuses on quantitative decision-making methodology for contemporary business managers, including such topics as decision-making under certainty, linear programming, queuing models, simulation, inventory modes, PERT, and decision support system.

- 587. Business Policy & Strategy (3).** Prerequisites: at least 18 hours of MBA course work including ACC 512, FIN 515, and MKT 513. Prerequisite or co-requisite: EC 515. Integrative study of strategic decision-making and policy formulation; extensive reading and case analysis. BA 587 must be taken at JSU.
- 590. International Business (3).** Provides an integrated treatment of theory and applications relative to international business and the U.S. Includes the impact of cultural, legal, and environmental issues on business; understanding foreign exchange markets, foreign direct investment, and entry modes into developing markets; and analyzes international markets as prospective locations. Presents the world from diverse perspectives, including those of small and midsize international companies and developing country multinationals. Investigates motives and needs of global competitors, customers, and partners.

ECONOMICS COURSES Prefix EC

- 485G. Field Experiences (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.
- 515. Managerial Economics (3).** Prerequisite: EC 222. Advanced study of microeconomic principles, with analysis applied to actual business management situations.
- 589. Internship in Economics (3).** (Grade of Pass or Fail only.) Prerequisites: Permission of the instructor and approval of the MBA Director. Provides the graduate student with practical experience in the field of economics via a "real-world" work experience arrangement.
- 598. Independent Research (3).** Prerequisite: Completion of 18 semester hours of graduate courses including a three-semester hour quantitative course. Permission of the instructor and approval of the MBA Director. In-depth study of selected topic(s).

FINANCE COURSES Prefix FIN

- 474G. Investments (3).** Prerequisite: FIN 301 or equivalent. Investment principles and practices; emphasis on security analysis, portfolio management, and the individual investor.
- 515. Financial Management (3).** Prerequisite: FIN 301. Study of financial decision concepts for maximizing value of the firm involving the financing, investment, and dividend decisions.
- 589. Internship in Finance (3).** (Grade of Pass or Fail only.) Prerequisites: Permission of the instructor and approval of the MBA Director. Provides the graduate student with practical experience in the field of finance via a "real-world" work experience arrangement.
- 590. International Finance (3).** Prerequisite: FIN 515 or equivalent. Integrated treatment of theory and application relative to U.S. and international financial activities including financial institutions, trade agreements, economic policies, investment action, and multinational enterprise.

598. **Independent Research (3).** Prerequisites: Completion of 18 semester hours of graduate courses including a three-semester hour quantitative course. Permission of the instructor and approval of the MBA Director. In-depth study of selected topic(s).

MANAGEMENT COURSES

Prefix MGT

504. **Business Organization and Administration (3).** Accelerated course in management concepts, functions, and practices; consideration of structural and behavioral aspects of organization and management.
522. **Human Resources Seminar (3).** Prerequisite: MGT 504 or the equivalent. Industrial personnel and manpower management including personnel selection and placement, manpower planning, development and appraisal, and the role of human resource management.
530. **Contemporary Issues in Management (3).** Prerequisite: MGT 504 or the equivalent. Investigation of current literature and practices in the field of management. A seminar course that includes lecture, discussion, and supervised student research into assigned topics.
537. **Business Leadership (3).** *Prerequisite: MGT 504 or equivalent.* Focuses on leadership as a strategic tool as well as an individual competence; i.e. what leadership means, is, and does. Examines critical strategic functions encountered at both the organizational and individual levels.
589. **Internship in Management (3).** (Grade of Pass or Fail only.) Prerequisites: Permission of the instructor and approval of the MBA Director. Provides the graduate student with practical experience in the field of management via a "real-world" work experience arrangement.
598. **Independent Research (3).** Prerequisite: Completion of 18 semester hours of graduate courses including a three-semester hour quantitative course. In-depth study of selected topic(s). Permission of the instructor and approval of the MBA Director.

MARKETING COURSES

Prefix MKT

513. **Marketing Administration (3).** *Prerequisite: MKT 301 or equivalent and ACC 512.* Executive level analysis of marketing strategies involved in market segmentation, pricing, promotion, product development, and distribution channels.
530. **Contemporary Issues in Marketing (3).** Prerequisite: MKT 513. Investigation of current literature, problems, and changes/opportunities taking place in the field of marketing; seminar course that includes lecture, discussion, and supervised student research into assigned topics.
589. **Internship in Marketing (3).** (Grade of Pass or Fail only.) Prerequisites: Permission of the instructor and approval of the MBA Director. Provides the graduate student with practical experience in the field of marketing via a "real-world" work experience arrangement.
590. **International Marketing (3).** Prerequisite: MKT 513. Impact of cultural differences on target markets and marketing strategy examination; trade barriers and methods of entry considered; course depends heavily on case writing and presentation.

- 598. Independent Research (3).** Prerequisites: Completion of 18 semester hours of graduate courses including a three-semester hour quantitative course. Permission of the instructor and approval of the MBA Director. In-depth study of selected topic(s).

CHEMISTRY

The Department of Physical and Earth Sciences offers supporting courses for the MA with a major in liberal studies. For students majoring in secondary education with a teaching field in general science, supporting courses are offered for the MS.Ed. and Ed.S. degrees. A graduate degree program is not offered in chemistry.

CHEMISTRY COURSES

Prefix CY

- 430G. Environmental Chemistry (5).** Prerequisites: CY 232 and 321. Introductions to water, air, and soil quality and their measurements; problems, regulations, treatment, and ultimate disposal of hazardous and toxic waste materials; spill clean-up, groundwater transport, land disposal, incineration and treatment technologies discussed.
- 471G. Toxicological Chemistry (3).** Prerequisite: CY 232. Study of the principles of toxicology including identification of, characterization of, and risk from environmental exposures to toxic substances.
- 500. Chemistry for Teachers (3)(3)(3).** Designed for teachers, this course will reinforce and extend basic concepts in chemistry covered in the Science Course of Study. (May be used in the general science teaching field with a major in secondary education.) May be repeated up to three times.

COMPUTER SYSTEMS AND SOFTWARE DESIGN

The Department of Mathematical, Computing and Information Sciences offers the Master of Science (MS) with a major in computer systems and software design with **two** concentrations.

APPLICATION MATERIALS REQUIRED FOR THE MS WITH A MAJOR IN COMPUTER SYSTEMS AND SOFTWARE DESIGN

Applicants for the MS with a major in computer systems and software design may be permitted to enroll for one semester of graduate course work, with the permission of the graduate coordinator of the program, while completing all general application requirements.

Applicants for the MS with a major in computer systems and software design must submit the following documentation to the College of Graduate Studies, Jacksonville State University, 700 Pelham Road North, Jacksonville, Alabama 36265-1602, to be considered for admission:

1. Completed JSU Graduate Application for Admission (http://www.jsu.edu/graduate/grad_app.html)
2. Non-refundable \$30.00 application processing fee
3. Official transcripts(s) from all postsecondary institutions attended. (Students who have previously attended JSU do not need to request a transcript from the University.)
4. Official tests scores on the GMAT or the General Test of the GRE (please refer to page 18 of this *Bulletin*). The GRE or GMAT must have been taken within five years of enrollment.
5. Three "Graduate Reference Forms" completed by individuals who can provide qualitative assessment of the applicant's potential for success in graduate course work. This form is available in the office of the College of Graduate Studies or online at <http://www.jsu.edu/graduate/forms.html> or http://www.jsu.edu/graduate/docs/ref_form.pdf.
6. If English is not the applicant's native language, the applicant is required to submit an official TOEFL score report or an IELTS score report (please refer to page 28 of this *Bulletin*).

ADMISSION REQUIREMENTS FOR THE MS WITH A MAJOR IN COMPUTER SYSTEMS AND SOFTWARE DESIGN

In addition to meeting the general admission requirements of the College of Graduate Studies, applicants for the MS with a major in computer systems and software design must have the equivalent of an undergraduate degree with a major in computer science, software engineering, or information systems as determined by the graduate computer science faculty. Applicants with degrees in related fields with three to five years experience in systems and software design may be considered. These applicants should have the equivalent of a minor in computer science including courses equivalent to Software Engineering I (CS 310), Software Engineering II (CS 491), Operating Systems (CS 350), Database Systems (CS 488),

either Calculus and Its Applications (MS 120) or Calculus I (MS 125), and demonstrated proficiency in a procedural or object-oriented programming language. Applicants who are deficient in these areas may be required to take additional courses at the graduate and/or undergraduate levels.

Students receiving undergraduate degrees from institutions not accredited by a United States regional accrediting association must meet unconditional admission requirements.

Applicants must meet one of the following formula requirements. For purposes of computing the undergraduate GPA, a 4.0 grade-point scale is used. The plus (+) and minus (-) grades from undergraduate transcripts are not used in calculating the GPA.

Unconditional Admission

200 times the undergraduate GPA on the initial undergraduate degree plus the GMAT score is equal to or greater than a total of 950 points;

OR

450 times the undergraduate GPA on the initial undergraduate degree plus the total score of verbal and quantitative measures of the General Test of the GRE is equal to or greater than a total of 2100 points;

OR

200 times the undergraduate GPA on the **last 64 hours attempted** toward completion of the initial undergraduate degree plus the GMAT score is equal to or greater than a total of 1000 points;

OR

450 times the undergraduate GPA on the **last 64 hours attempted** toward completion of the initial undergraduate degree plus the total score of verbal and quantitative measures of the General Test of the GRE is equal to or greater than a total of 2450 points.

Conditional Admission

Any applicant failing to meet the requirements for unconditional admission, as defined above, will receive a letter to that effect from the Dean of the College of Graduate Studies. Under exceptional circumstances, consideration for conditional admission may be given to a student meeting one of the following formula requirements:

200 times the GPA on the initial undergraduate degree plus the GMAT score is equal to or greater than a total of 850 points;

OR

450 times the undergraduate GPA on the initial undergraduate degree plus the total score of verbal and quantitative measures of the General Test of the GRE is equal to or greater than a total of 1700 points;

OR

200 times the GPA on the **last 64 hours attempted** toward completion of the initial undergraduate degree plus the GMAT score is equal to or greater than a total of 900 points;

OR

450 times the undergraduate GPA on the **last 64 hours attempted** toward completion of the initial undergraduate degree plus the total score of verbal and quantitative measures of the General Test of the GRE is equal to or greater than a total of 1850 points.

Applicants who are granted conditional admission must achieve a GPA of at least 3.0 on the first 12 graduate hours attempted within the time frame specified by the graduate faculty and indicated in writing to the student. Failure to comply will result in the students being dropped from the program.

All applications will be reviewed by the graduate faculty in the program. The faculty will submit to the Dean of the College of Graduate Studies its recommendation on the conditional admission of each applicant. The Dean of the College of Graduate Studies will make the final decision on the conditional admission of the student.

MINIMUM REQUIREMENTS FOR THE MS WITH A MAJOR IN COMPUTER SYSTEMS AND SOFTWARE DESIGN

Studio Option:

A total of 30 semester hours in graduate computer science courses is required. There is a core of 15 graduate semester hours required for all concentrations. In addition to the core, students must take a concentration-specific Studio Component consisting of six semester hours. The remaining nine semester hours consist of a concentration-specific course and/or electives per the requirements for each concentration.

Students accepted into the MS with a major in computer systems and software design with the studio option must complete a six-hour studio component. The student must meet with a graduate advisor who will select an Advisory Committee to supervise the studio component of the program. The advisor and committee are responsible for determining successful completion of the studio component of the program.

Non-Studio Option:

A total of 33 semester hours in graduate computer science courses is required. There is a core of 15 graduate semester hours required for all concentrations. In addition to the core, students must take eighteen (18) graduate credit hours of a concentration-related course and/or elective per the requirements for each concentration.

Students accepted into the MS with a major in computer systems and software design with the Non-Studio option must successfully complete both written and oral comprehensive examinations.

Students must select and complete the requirements for one of the following two concentrations:

General Concentration (30 graduate semester hours for Studio option)/33 graduate semester hours for non-Studio option):

Required Core Courses (as listed) (15)

Studio Option: Studio Component (6) and electives (select three additional course from the electives listed) (9)

Non-Studio Option: (select six additional courses from the electives listed) (18)

Information Security and Assurance Concentration (30 graduate semester hours for Studio option/33 graduate semester hours for non-Studio option):

Required Core Courses (as listed) (15)

CS 545, Advanced Computer Networking (3)

Studio Option: Studio Component (must be a topic in Information Security and Assurance) (6) and electives (select two courses from the electives listed) (6)

Non-Studio Option: Select 3 from the following courses related to Information Security and Assurance: EM 505, CS 525, CS 530, CS 565 (9) and two additional courses from the electives listed) (6)

MS WITH A MAJOR IN COMPUTER SYSTEMS AND SOFTWARE DESIGN

Required Core Courses (15 semester hours):

CS	501	Database Management Systems (3)
CS	521	Applied Software Engineering I (3)
CS	523	Applied Software Engineering II (3)
CS	550	Distributed Computing Systems (3)
CS	570	Advanced Computer Security (3)

Electives:

EM	505	Foundations of Emergency Management (3)
CS	502	Research Methods and System Evaluation (3)
CS	525	Advanced Web Application Development Using Web Services (3)
CS	530	Human-Computer Interaction (3)
CS	534	Emerging Software Architectures and Methodologies (3)
CS	536	Computational Intelligence (3)
CS	538	Business Intelligence and Data Mining (3)
CS	540	Bioinformatics Algorithms (3)
CS	543	Advanced Expert Systems (3)
CS	544	Applied Artificial Intelligence (3)
CS	545	Advanced Computer Networking (3)
CS	553	Simulation, Modeling & Forecasting (3)
CS	565	Embedded & Real-Time Software Development (3)
CS	591	Special Topics in Computer Science (3)
CS	592	Special Topics in Computer Science (3)

Studio Component (6 semester hours) only for Studio Option:

CS	595	Studio Component (3)
CS	596	Studio Component (3)

Studio Option: 30 Graduate Semester Hours Required for this Degree
Non-Studio Option: 33 Graduate Semester Hours Required for this Degree

COMPUTER SCIENCE COURSES Prefix CS

- 501. Database Management Systems (3).** *Prerequisite:* A programming language. Information as corporate resource, data modeling, database design, implementation strategies and administration; security, information centers, decision support systems, mini- and microcomputer environment; teams of students will design and implement a relational database application.
- 502. Research Methods and System Evaluation (3).** *Prerequisite:* Undergraduate of graduate statistics course. Introduction to the research techniques and methodologies used to evaluate systems such as control systems, computer systems, security systems, and information systems. Topics include methodological foundations, qualitative research methods, and quantitative research methods.

- 510. Introduction to Computing (3).** Includes fundamental computer science concepts, computer programming, software engineering, data structures, and algorithms. (For graduate students with limited computer science backgrounds who wish to major in computer systems and software design; cannot be used for Master's degree credit.)
- 514. Introduction to Computer Systems (3).** *Prerequisite: Permission of the instructor.* Study of operating systems, networks, and computer architecture; advanced systems programming using an object-oriented programming language. (For graduate students with limited computer science backgrounds who wish to major in computer systems and software design; cannot be used for Master's degree credit.)
- 521. Applied Software Engineering I (3).** *Prerequisite: Comprehensive undergraduate course in software engineering or industrial software engineering experience with a large project.* Focuses specifically on methods that guide software engineers from requirements to code; provides broad understanding of current methods, and specific skills in using these methods.
- 523. Applied Software Engineering II (3).** *Prerequisite: CS 521.* Provides knowledge and skills necessary to lead a project team, understand the relationship of software development to overall product engineering, and understand the software process.
- 525. Advanced Web Application Development Using Web Services (3).** *Prerequisite: Undergraduate software engineering course equivalent.* Utilization of various 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. Students will evaluate real-world applications of Web services as well as the unique decision-making framework involved with their adoption while employing those lessons learned in practical solutions.
- 530. Human-Computer Interaction (3).** *Prerequisite: Comprehensive undergraduate course in software engineering or industrial software engineering experience with a large project.* Human-computer interface, human performance, diversity, and mental models, interaction devices, dialog and interface styles, documentation, and usability testing.
- 534. Emerging Software Architectures and Methodologies (3).** *Prerequisite: Comprehensive undergraduate course in software engineering or industrial software engineering experience with a large project.* Explores emerging technologies and contemporary development methodologies for large scale software systems; difficulties and benefits of software by component composition, component reuse and software architectures.
- 536. Computational Intelligence (3).** *Prerequisite: Experience with an object oriented programming language.* Introducing concepts, models, algorithms, and tools for development of intelligent systems. Example topics include artificial neural networks, genetic algorithms, fuzzy systems, swarm intelligence, ant colony optimization, artificial life, and hybridizations of the above techniques. Additional focus will be placed on research methodologies and preparing research papers and reports.

538. **Business Intelligence and Data Mining (3).** *Prerequisite: Undergraduate or graduate statistics course.* Introduction to business intelligence and data mining methodologies and tools that enable users to analyze new patterns/relationships and develop insight for decision making. This course provides students thorough conceptual framework, discussion, and hands-on experience in business intelligence and data mining. Techniques that the course covers include, but are not limited to, linear modeling, decision trees, association rules, classification rules, clustering & visualization, and text mining methodologies. Topics covered will include business intelligence, data mining methods, predictive analysis, information quality, and a term project that applies the skills learned.
540. **Bioinformatics Algorithms (3).** *Prerequisites: Basic knowledge in probability and statistics, data structures and algorithms.* Provides fundamental background in bioinformatics for computer science or biological science students. Provides the principles that drive an algorithm's design. Covers various topics such as DNA and RNA structure, gene structure and control, protein structure, sequence alignment production, homologous sequences searches, phylogenetic trees structure and interpretation.
543. **Advanced Expert Systems (3).** *Prerequisite: Experience with a procedural or object-oriented programming language.* This course provides an in-depth study of expert knowledge-based problem-solving systems. Students perform a classification and comparison of selected systems by analyzing the architecture, knowledge, and problem-solving style. Students evaluate the contributions of each to the understanding of problem domains for expert systems.
544. **Applied Artificial Intelligence (3).** *Prerequisite: Undergraduate artificial intelligence course or equivalent.* Survey of artificial intelligence emphasizing applications in business, industrial, and scientific system development; autonomous agents, data mining, pattern recognition, and machine vision.
545. **Advanced Computer Networking (3).** *Prerequisite: Undergraduate operating system course or equivalent.* A study of advanced topics in computer networks with emphasis on wireless communications. Fundamentals of cellular communications, CDMA systems, wireless security, Wireless Application Protocols (WAP), Bluetooth, and new wireless technologies are also covered.
550. **Distributed Computing Systems (3).** *Prerequisite: Undergraduate course in computer networking or equivalent.* Design and analysis of distributed computing systems; system architecture; load balancing and scheduling; remote procedure calls and message passing; distributed operating systems and database systems.
553. **Simulation, Modeling, and Forecasting (3).** *Prerequisite: CS 521.* Deterministic and stochastic models are studied; simulation techniques, languages, and programming packages used to implement simulation models; virtual reality simulations.
565. **Embedded and Real-Time Software Development (3).** *Prerequisite: CS 521.* In-depth study of requirements or real-time and embedded software; examination of operating systems, languages, and devices that support these systems; real-time multimedia applications emphasized.
570. **Advanced Computer Security (3).** *Prerequisite: Undergraduate operating system course or equivalent.* Study of advanced network security architectures, models, benchmarks and metrics, cryptography, authentication and authorization protocols, secure application and systems development, federal regulations and compliance, and advanced security topics on intrusion detection, biometrics, web services, and data mining. Emphasis is on security professional certification.

- 591, 592. Special Topics in Computer Science (3) (3).** *Prerequisites: Permission of the advisor and approval of the department head.* Selected topics from current problems in computing; topics vary from semester to semester. May be taken twice for credit.
- 595, 596. Studio Component (3) (3).** *Prerequisites: Permission of the advisor and approval of department head.* Provides students with a laboratory for direct application of concepts learned in course work; students will produce a variety of software products.

CRIMINAL JUSTICE

The Criminal Justice Department offers courses leading to the Master of Science (MS) with a major in criminal justice and supporting courses for the MA with a major in liberal studies. The department also offers an area of concentration in criminal justice within the MPA degree program (please refer to the Public Administration section of this *Bulletin* for application materials required, admission and program requirements).

APPLICATION MATERIALS REQUIRED FOR THE MS WITH A MAJOR IN CRIMINAL JUSTICE

Applicants for the MS with a major in criminal justice will be permitted to enroll for one semester of graduate course work while completing all other general application procedure requirements.

Applicants for the MS with a major in criminal justice must submit the following documentation to the College of Graduate Studies, Jacksonville State University, 700 Pelham Road North, Jacksonville, Alabama 36265-1602, to be considered for admission:

1. Completed JSU Graduate Application for Admission (http://www.jsu.edu/graduate/grad_app.html)
2. Non-refundable \$30.00 application processing fee
3. Official transcripts(s) from all postsecondary institutions attended. (Students who have previously attended JSU do not need to request a transcript from the University.)
4. Official tests scores on the General Test of the GRE or the MAT (please refer to page 18 of this *Bulletin*).
5. Three "Graduate Reference Forms" completed by individuals who can provide qualitative assessment of the applicant's potential for success in graduate course work. This form is available in the office of the College of Graduate Studies or online at <http://www.jsu.edu/graduate/forms.html> or http://www.jsu.edu/graduate/docs/ref_forms.pdf.
6. If English is not the applicant's native language, the applicant is required to submit an official TOEFL score report, an IELTS score report, or a PTE score report (please refer to page 28 of this *Bulletin*).

ADMISSION REQUIREMENTS FOR THE MS WITH A MAJOR IN CRIMINAL JUSTICE

Applicants who meet the general admission requirements of the College of Graduate Studies are eligible for admission to the MS with a major in criminal justice program. A particular undergraduate major is not specified for admission to this program.

Applicants must meet one of the following formula requirements. For purposes of computing the undergraduate GPA, a 4.0 grade-point scale is used. The plus (+)

and minus (-) grades from undergraduate transcripts are not used in calculating the GPA.

Unconditional Admission

450 times the undergraduate GPA plus the total score of verbal and quantitative sections of the General Test of the GRE is equal to or greater than a total of 1600 points;

OR

15 times the undergraduate GPA plus the MAT score is equal to or greater than a total of 60 points;

Conditional Admission

Any applicant failing to meet the requirements for unconditional admission may be conditionally admitted with the recommendation of the graduate faculty in the applicant's major and approval of the Dean of the College of Graduate Studies.

Applicants who are granted conditional admission must achieve a GPA of at least 3.0 on the first 12 graduate hours attempted within a twelve-month time frame. Failure to meet these conditions will result in the student being dropped from graduate studies.

MINIMUM REQUIREMENTS FOR THE MS WITH A MAJOR IN CRIMINAL JUSTICE

Non-Thesis Option:

Total of 30 graduate semester hours. The student must complete 24 hours in criminal justice courses, including 15 hours in required criminal justice courses and 9 hours of criminal justice electives. The remaining 6 hours may be in criminal justice or in a related field approved in advance by the head of the Criminal Justice Department.

Thesis Option:

Total of 30 graduate semester hours. The student must complete 24 hours in criminal justice courses, including 15 hours in required criminal justice courses, 6 hours of thesis, and a 3 hour criminal justice elective. The remaining 6 hours may be in criminal justice or in a related field approved in advance by the head of the Criminal Justice Department. See "Thesis Options and Procedures" on page 45 of this *Bulletin*.

Required Criminal Justice Courses (15 semester hours):

CJ	500	Contemporary Criminal Justice Issues (3)
CJ	501	Applied Data Analysis for Criminal Justice (3)
CJ	502	Research Methods in Criminal Justice (3)
CJ	505	Criminal Justice Administration (3)
CJ	521	Criminological Theory (3)

CRIMINAL JUSTICE COURSES

Prefix CJ

- 500. **Contemporary Criminal Justice Issues (3).** System-wide issues facing the criminal justice system and its various subsystems.
- 501. **Applied Data Analysis for Criminal Justice (3).** Emphasis on the analysis of original and secondary criminal justice data.
- 502. **Research Methods in Criminal Justice (3).** Social research methods and their application to administration of justice; and the role of social research in the analysis, interpretation, and clarification of problems in the criminal justice system. (CJ 502 is cross-listed with PSC 502 and only one course may be counted for credit.)
- 503. **Law Enforcement (3).** Trends in police procedures, problems and practices; and current issues in law enforcement.
- 504. **Comparative Criminal Justice (3).** Comparative study of the administration, organization, objectives, and principal functions of the U.S. criminal justice systems with those in selected foreign countries.
- 505. **Criminal Justice Administration (3).** Analysis of organizational features, functions, problems and issues confronting criminal justice setting managers and administrators.
- 506. **Juvenile Justice (3).** Assessment of policies and practices of agencies involved in processing juvenile offenders through the juvenile justice system.
- 507. **Legal Issues (3).** In-depth study of contemporary legal issues faced by criminal justice professionals with emphasis on constitutional problems and the judicial review of administrative decisions made by criminal justice organizations.
- 508. **Corrections (3).** Theory and practice of contemporary correctional systems, and current issues in corrections..
- 509. **Criminal Justice Planning and Evaluation (3).** A study of planning and evaluation as applied in criminal justice agencies for program development, and the preparation of grant proposals.
- 512. **Directed Study in Criminal Justice (3) (3).** (Grade of Pass or Fail only.) Prerequisites: Permission of the instructor and approval of the Director of CJ Graduate Studies or the department head. Preparation, completion, and submission of an acceptable individual project. May be taken for a total of six credit hours.
- 515. **Applied Ethics (3).** Application of ethical theories and systems to practical ethical problems and dilemmas encountered in criminal justice practices and professions.
- 516. **Forensic Investigation (3).** Provinces of the court and jury; burden of proof, probability and documentary and physical evidence; expert witness and preparation of scientific exhibits for court.
- 521. **Criminological Theory (3).** Analysis of historical and contemporary theories and analytical models of crime causation with emphasis on classical, positivist, social defense, and critical schools of thought.
- 523. **Victimology (3).** Comprehensive study of victimization including victim-precipitated crimes; analysis of contemporary victim-compensation and victim restitution programs.
- 525. **International Criminality and National Security (3).** International and transnational crime and terrorism and the problems they pose for the criminal justice system; prevention and control of terrorist activities and transnational crime.

- 526. Special Topics in Criminal Justice (3) (3).** An examination of contemporary issues in criminal and juvenile justice. Topics may vary. May be taken for a total of six credit hours.
- 527. Criminal Behavior and Personality (3).** A study of the typologies of delinquent and criminal behavior from behavioral and psychological perspectives with particular focus on clinical behaviors frequently associated with delinquents and criminals.
- 528. Correctional Counseling (3).** The study and practical application of effective correctional counseling and treatment methodologies for youthful and adult offenders.
- 598. Directed Reading (3) (3).** (Grade of Pass or Fail only.) Prerequisites: Permission of the instructor and approval of the Director of CJ Graduate Studies or department head. Selected topics appropriate to student's course of study as determined by faculty advisor. May be taken for a total of six credit hours.
- 599. Thesis (3) (3).** (Grade of Pass or Fail only) Prerequisite: Approval of Application for Thesis Option. See "Thesis Options and Procedures" on page 45 of this *Bulletin*.

DRAMA

The Department of Drama offers supporting courses for the Master of Arts with a major in liberal studies. For students majoring in secondary education with a teaching field in English language arts, supporting courses are offered for the MS.Ed. and Ed.S degrees. A graduate degree program is not offered in drama.

DRAMA COURSES

Prefix DR

- 560. **Dramatic Literature Projects (3)**. Individually designed and supervised projects combining research and practical work in the specific areas of theatrical endeavor.
- 581. **Directed Studies (3) (3)**. Independent research in areas of drama: literature, directing, acting, design, and education. May be repeated once.

EDUCATION

Graduate degrees and teacher certification programs in education available at JSU are shown in the following table:

Major	Teaching/ Instructional Support Field	Degree		Alabama Certification	
		M.S.Ed.	Ed.S.	A	AA
Collaborative Teacher	Special Education				
K-6		X	X	X	X
6-12		X	X	X	X
Counselor Education (P-12 traditional certification admission option)	School Counseling	Xa	X	X	X
Counselor Education Community Agency Counseling		X	X		
Early Childhood Education (P-3)		X	X	X	X
Early Childhood Special Education (P-3)		X		X	
Elementary Education (K-6)		X	X	X	X
Instructional Leadership (P-12)		X	X	X	X
Library Media (P-12)		X	X	X	X
Music (P-12)	Instrumental	Xb		X	
	Vocal-Choral	Xb		X	
Physical Education (P-12)		X	X	X	X
Sport Management		Xc		X	
Reading Specialist (P-12)		X		X	
Secondary Education (6-12)	Biology	X	X	X	X
	Business Marketing Ed	X		X	
	English Language Arts	X	X	X	X
	Family and Consumer Sciences	X		X	
	General Science	X	X	X	X
	History	X	X	X	X
	Mathematics	X	X	X	X
	Social Science	X	X	X	X
Teacher Leader			X		X

See notes on the following page.

Notes:

- ^a Master of Science degree with a major in counselor education and a concentration in school counseling (traditional certification admission option).
- ^b Master of Arts degree with a major in music and a concentration in music education.
- ^c Master of Science degree with a major in sport management.

The College also offers courses leading to the Master of Science (MS) with a major in counselor education. Two concentrations are offered within the counselor education major: community agency counseling and school counseling, including the traditional certification and non-certification admission options. A student seeking fifth-year Alabama Class A teacher certification must select the concentration in school counseling (traditional certification or CACREP admission option). The concentration in community agency counseling does not lead to teacher certification.

The College offers the Alternative Fifth-Year Teacher Certification Program for students who completed bachelor's degrees from regionally accredited institutions in a field other than teacher education or for initial certification in a second teaching field. Completion of the alternative fifth-year program leads to the MS.Ed. and recommendation for fifth-year Alabama Class A teacher certification. Eligible teaching fields and admission requirements for the alternative fifth-year program can be found in the Alternative Fifth-Year Teacher Certification section of this *Bulletin*.

All teacher education programs are approved by the State of Alabama Board of Education. The College of Education and Professional Studies at Jacksonville State University is accredited by the National Council for Accreditation of Teacher Education (NCATE), 2010 Massachusetts Avenue NW, Suite 500, Washington, D.C. 20036, phone: (202) 466-7496. Accreditation includes the initial teacher preparation and advanced levels of professional education programs offered at JSU. Teacher education programs may be altered to meet changes in federal and Alabama State Department of Education regulations.

The faculty of the College of Education and Professional Studies adopted "The Developing Education Professional as Creative Decision-Maker" as its model, or metaphor, for teacher preparation programs. Teachers must prepare to take on the challenge of the decision-making process knowing that their educational advancement and consequently that of the students they serve, requires a personal commitment to lifelong learning. The various programs prepare teachers who enter the field armed with knowledge gleaned from both its rich history and its state-of-the-art scholarship.

The deadline for application to most programs in the College of Education and Professional Studies will be on or before the first day of classes for any given semester, unless otherwise specified in this *Bulletin*. First time enrollees for programs with an application deadline of the first day of classes for any given semester must seek immediate advisement to register for classes. For all programs in counselor education, instructional leadership, and library media, the deadline dates for application will be July 1 for fall admission, November 1 for spring admission and April 1 for summer admission. Please refer to specific program pages in the Education section of this *Bulletin*.

Any candidate applying for admission to a state-approved teacher education program shall be required to be fingerprinted for a criminal history background check through the Alabama State Department of Education to the Alabama Bureau

of Investigation (ABI) and the Federal Bureau of Investigation (FBI). Applicants should contact Cogent Systems at www.cogentid.com/alabama for directions in completing this process. **The Praxis II examination is required prior to any internship for all initial teacher certification programs.**

PROGRAMS OF STUDY FOR EDUCATION

Programs of study for the education degree and teacher certification programs provide a detailed description of the course requirements for each program. The programs of study listed below by degree, major, and concentration are described on the pages indicated:

Educational Specialist	Page
Counselor Education/Community Agency Counseling.....	110
Counselor Education/School Counseling (P-12).....	111
Collaborative Teacher/Special Education (K-6).....	112
Collaborative Teacher/Special Education (6-12)	113
Early Childhood Education (P-3)	114
Elementary Education.....	115
Library Media (P-12).....	116
Physical Education	117
Secondary Education	
Biology	118
English Language Arts.....	119
General Science.....	120
History	121
Mathematics.....	122
Social Science	123
Teacher Leader.....	124
Instructional Leadership.....	125
Master of Science in Education	
Collaborative Teacher/Special Education (K-6)	133
Collaborative Teacher/Special Education (6-12)	134
Community Agency Counseling (MS)	135
School Counseling (MS).....	136
Early Childhood Education	137
Early Childhood Special Education	138
Elementary Education.....	139
Instructional Leadership.....	140
Library Media	141
Music (P-12) (MA) Instrumental/Choral.....	250, 251
Physical Education/P-12 Teacher Education	142
Physical Education/Human Performance.....	143
Physical Education/Nutrition.....	144
Reading Specialist.....	145
Secondary Education Teaching Fields	
Biology	146
Business Marketing Education (6-12).....	147
English Language Arts.....	148
Family and Consumer Sciences	149
General Science.....	150
History	151
Mathematics.....	152
Social Science	153
Sport Management (MS).....	156

Master of Arts with a Major in Music

Music Education/Instrumental	252,253
Music Education/Vocal-Choral	254.255

Alternative Fifth-Year Programs

The alternative fifth-year programs are designed for students who do not have an initial teaching certificate at the undergraduate level. A description of these programs and the admission requirements are provided in the Alternative Fifth-Year Program section of this *Bulletin*.

These alternative fifth-year master's level programs are offered in the areas listed below:

Collaborative Teacher/Special Education (K-6).....	162
Collaborative Teacher/Special Education (6-12).....	163
Early Childhood Education.....	164-165
Elementary Education.....	166-167
Physical Education	168
Secondary Education	
Biology	169-170
Business Marketing Education (6-12).....	171-172
English Language Arts.....	173-174
Family and Consumer Sciences	175-176
General Science.....	177-178
History	179-180
Mathematics.....	181-182
Social Science	183-184
Music Education/Instrumental	185-186
Music Education/Vocal-Choral.....	187-188

APPLICATION MATERIALS REQUIRED FOR ALL EDUCATIONAL SPECIALIST PROGRAMS

Applicants for an Educational Specialist (Ed.S) program must submit all of the following documentation to the College of Graduate Studies, Jacksonville State University, 700 Pelham Road North, Jacksonville, Alabama 36265-1602, to be considered for admission.

The deadline for application to most programs in the College of Education and Professional Studies will be on or before the first day of classes for any given semester, unless otherwise specified in this *Bulletin*. First time enrollees for programs with an application deadline of the first day of classes for any given semester must seek immediate advisement to register for classes.

Ed.S. programs with deadline dates for all admission requirements to be submitted are: community agency counseling, instructional leadership, school counseling, teacher leader and library media. Application deadline dates for these programs are: November 1 for spring semester admission, April 1 for summer admission and July 1 for fall semester admission. Applicants in these programs whose application packages are complete will be contacted to schedule an appointment for a writing sample and an interview with faculty members of the counselor education, instructional leadership, teacher leader or library media programs. As part of the interview process, applicants will be asked to submit a writing sample. The admission requirement rubrics for evaluating the interview and writing sample are available online at www.jsu.edu/depart/graduate/forms.html.

1. Completed JSU Graduate Application for Admission (http://www.jsu.edu/graduate/grad_app.html)
2. Non-refundable \$30.00 application processing fee
3. Official transcripts(s) from all postsecondary institutions attended. (Students who have previously attended JSU do not need to request a transcript from the University.)
4. Official tests scores on the General Test of the GRE or the MAT (please refer to page 18 of this *Bulletin*).
5. Copies of all clear and renewable teaching certificates. (Does not apply to community agency counseling.) ALL certificate(s) must be clear and renewable throughout the program and at graduation.

For students applying to an educational specialist program, the master's level teaching certificate must be in the same area as the chosen area in the educational specialist program: Teacher Leader applicants must possess a master's level clear and renewable teaching certificate in some area of education.

6. Background check. Any candidate applying for admission to a state-approved teacher education program shall be required to be fingerprinted for a criminal history background check through the Alabama State Department of Education to the Alabama Bureau of Investigation (ABI) and the Federal Bureau of Investigation (FBI). Applicants should contact Cogent Systems at www.cogentid.com/alabama for directions in completing this process.

7. Professional resume required for the following Ed.S. programs:
 - Community Agency Counseling
 - Instructional Leadership
 - Library Media
 - Teacher Leader
 - School Counseling

8. Three “Graduate Reference Forms” completed by individuals who can provide qualitative assessment of the applicant’s potential for success in graduate course work. This form is available in the office of the College of Graduate Studies or online at <http://www.jsu.edu/graduate/forms.html> or http://www.jsu.edu/graduate/docs/ref_form.pdf.

9. If English is not the applicant’s native language, the applicant is required to submit an official TOEFL score report, an IELTS score report, or a PTE score report (please refer to page 28 of this *Bulletin*).

ADMISSION REQUIREMENTS FOR THE Ed.S. DEGREE

The master's level teaching certificate must be in the same area as the chosen area in the educational specialist program. If a student has a degree with a major and fifth-year certification in reading, they may apply for the educational specialist degree program with a major in elementary education. Applicants selecting the concentration in community agency counseling must possess a master's degree in community agency counseling (for the traditional certification admission option).

Applicants for the Ed.S. in all majors must meet one of the following formula requirements. For purposes of computing the undergraduate GPA, a 4.0 grade-point scale is used. The plus (+) and minus (-) grades from undergraduate transcripts are not used in calculating the GPA.

Unconditional:

450 times the undergraduate GPA plus the total score of verbal and quantitative sections of the General Test of the GRE is equal to or greater than a total of 2250 points.

OR

15 times the undergraduate GPA plus the MAT score is equal to or greater than a total of 85 points.

Conditional:

450 times the undergraduate GPA plus the total score of verbal and quantitative sections of the General Test of the GRE is equal to or greater than a total of 1800 points (currently reviewed and recommended by the graduate faculty in the applicant's major and approved by the Dean of the College of Graduate Studies).

OR

15 times the undergraduate GPA plus the MAT score is equal to or greater than a total of 70 points (currently reviewed and recommended by the graduate faculty in

the applicant's major and approved by the Dean of the College of Graduate Studies).

Applicants who are granted conditional admission must achieve a GPA of at least 3.25 on the first 12 graduate hours attempted. Failure to meet these conditions will result in the student being dropped from Graduate Studies.

MINIMUM REQUIREMENTS FOR THE ED.S. DEGREE

The purposes of a Class AA program shall be to prepare educators on the sixth-year level to serve effectively in instructional support positions. Persons who complete Class AA programs shall have acquired knowledge and skills above the level required for completion of a Class A program.

The course requirements and the minimum number of semester hours for each program are provided on each individual program of study sheet in the subsequent sections of this *Bulletin*.

An overall GPA of 3.25 on a 4.0 scale is required on all course work attempted for the educational specialist degree.

Any course completed for the master's degree or for master's level teacher certification may not be repeated or counted for the Ed.S. Graduate courses at the 400 level will not count as credit towards the Ed.S. degree.

CLASS AA TEACHER CERTIFICATION REQUIREMENTS

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. Subsequently, modifications in students' programs may become necessary. Students in all graduate level teacher education programs must schedule their course work each semester with approval of their faculty advisors. 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 certification, a student must complete a program of study at a college or university which has been approved by the State Board of Education to offer a program leading to the desired certificate. When a student completes the program of study, the institution recommends to the State Department of Education that the appropriate certificate be issued.

1. For all fields other than Teacher Leader, the applicants must possess fifth-year certification in the same area as the chosen concentration in the educational specialist program. Applicants selecting the concentration in Teacher Leader must possess fifth-year clear and renewable teacher certification in some area of education. If a student has a degree with a major and fifth-year certification in reading, they may apply for the educational specialist degree program with a major in elementary education.
2. Alabama State Department of Education regulations are subject to change; therefore, it is recommended that students apply for certification upon graduation. Students, during their last semester of course work, are to obtain application forms for certification from the Teacher Service Center, 207 Ramona Wood Hall. The appropriate fees (money order or Cashier's Check made payable to the Alabama State Department of Education), with the student's credits are forwarded to the State Department of Education by the Teacher Service Center. The University cannot recommend any student for certification who has not satisfied all State and University requirements for admission to and completion of an approved program.
3. Students certified in states other than Alabama who wish to apply for certification in Alabama upon completion of the educational specialist degree must apply for Alabama certification on the undergraduate and master's levels prior to applying for the educational specialist level certification. Earning an educational specialist degree at JSU does not automatically entitle a student to an Alabama certificate without first holding the appropriate undergraduate and master's certificates.
4. Recommendation for certification must be made within five years of program completion. Recommendation after five years requires completion of a current program.

**EDUCATIONAL SPECIALIST
MAJOR: COUNSELOR EDUCATION
CONCENTRATION: COMMUNITY AGENCY COUNSELING**

Core Requirements (15-18 Semester Hours)

- ECG 500 Counseling Principles In Technological Applications (3)
(Students who did not take ECG 500 as a master's student at JSU are required to take the course as part of the Ed.S. program. Required in the first semester of enrollment.)
- ECG 634 Advanced Counseling Theories (3)
- ECG 637 Advanced Career Counseling (3)
- EFD 691 Action Research in Counseling I (3)
(To be taken toward the end of the program.)
- EFD 692 Action Research in Counseling II (3) (Prerequisite: EFD 681)
(Must be taken in the last semester of enrollment.)
- ECG 646 Advanced Group Procedures (3)

Concentration Requirements (12-15 semester hours By Advisement) :

- ECG 501 Assessment in Counseling (3)
- ECG 527 Organization and Administration of Counseling Services (3)
- ECG 530 Marriage and Family Counseling (3)
- ECG 560 Introduction to Substance Abuse Counseling (3)
- ECG 593 Internship in School Counseling (3)
- ECG 594 Internship in School Counseling (3)
- ECG 693 Supervision in Counseling (3)
- EFD 560 Psychological Principles of Learning (3)
- EFD 615 Leadership (3)
- EFD 620 Measurement and Evaluation (3)
- EAD 564 Law and Politics of Education (3)
- SPE 500 Survey Course in Special Education (3)

30 Semester Hours Required for this Degree

Notes:

An overall GPA of 3.25 on a 4.0 scale on all course work attempted is required for this program. Courses used toward the master's degree may not be repeated or counted for the Ed.S. degree.

**EDUCATIONAL SPECIALIST
MAJOR: COUNSELOR EDUCATION
CONCENTRATION: SCHOOL COUNSELING (P-12)**

Core Requirements (18-21 semester hours):

- ECG 500 Counseling Principles In Technological Applications (3).
(Students who did not take ED 500 or ECG 500 as a master's student at JSU are required to take the course as part of their Ed.S. program.
Required in the first semester or enrollment.)
- ECG 634 Advanced Counseling Theories (3)
- ECG 637 Advanced Career Counseling (3)
- ECG 691 Action Research in Counseling I (3)
(To be taken toward the end of the program.)
- ECG 692 Action Research in Counseling II (3) (Prerequisite: ECG 691)
- ECG 646 Advanced Group Procedures (3)
- *SPE 500 Survey Course in Special Education (3)
(Students who have not previously satisfied the special education requirement at the undergraduate or graduate level must take SPE 500.)

Concentration Requirements (9-12 semester hours, By Advisement)

- ECG 501 Assessment in Counseling (3)
- ECG 530 Marriage and Family Counseling (3)
- ECG 540 Diagnosis and Treatment of the DSM Disorders (3)
- ECG 560 Introduction to Substance Abuse Counseling (3)
- ECG 588 Crisis Counseling (3)
- ECG 595 Internship in Agency Counseling (3)
- ECG 596 Internship in Agency Counseling (3)
- ECG 693 Supervision in Counseling (3)
- EFD 560 Psychological Principles of Learning (3)
- EFD 615 Leadership (3)
- EFD 620 Measurement and Evaluation (3)
- EAD 564 Law and Politics of Education (3)

30 Graduate Semester Hours Required for this Degree

Notes:

Admission to this program requires fifth-year (master's) teacher certification in school counseling.

Completion of this program leads to eligibility for sixth-year teacher certification in school counseling.

An overall GPA of 3.25 on a 4.0 scale on all course work attempted is required for this program. Courses used toward the master's degree may not be repeated or counted for the Ed.S. degree. The purposes of a Class AA program shall be to prepare educators on the sixth-year level to serve effectively in instructional support positions. Persons who complete Class AA programs shall have acquired knowledge and skills above the level required for completion of a Class A program.

**EDUCATIONAL SPECIALIST
MAJOR: EDUCATION
CONCENTRATION: COLLABORATIVE/TEACHER
SPECIAL EDUCATION (K-6)**

Core Requirements (18 – 22 semester hours):

- ED 500 Introduction to Graduate Education and Technology (1)
(Students who did not take ED 500 (discipline specific section) as a master's student are required to take the course as part of the Ed.S. program. Required in the first semester of enrollment.)
- EFD 552 Diversity Issues in Education (3)
- EIM 610 Emerging Technology & Collaborative Tools (3)
- EFD 615 Leadership (3)
- EFD 620 Measurement and Evaluation (3)
- EFD 691 Advanced Research in Education I (3)
(Prerequisites for ECE and EED majors: ECE/EED 631 and ECE/EED 642; for SPE majors: SPE 620 and SPE 624)
- EFD 692 Advanced Research in Education II (3) (Prerequisite: EFD 691)
(Must be taken in the last semester of enrollment.)
- *SPE 500 Survey Course in Special Education (3)
(Students who have not previously satisfied the special education requirement at the undergraduate or graduate level must take SPE 500.)

Concentration (12 semester hours):

- SPE 617 Advanced Strategies for Students with Disabilities – Elementary Level (3) (Prerequisite: SPE 300/500)
- SPE 620 Curriculum Development Seminar in Special Education (3)
- SPE 624 Writing for Professional Publication (3)
- SPE 661 Advanced Research and Practices of Severe Disabilities, K-6 (3)
(Prerequisite: SPE 560)

30-34 Graduate Semester Hours Required for this Degree

Notes:

Admission to this program requires master's level teacher certification in Collaborative K-6.

Completion of this program leads to eligibility for sixth-year teacher certification in collaborative teacher/special education (K-6).

An overall GPA of 3.25 on a 4.0 scale on all course work attempted is required for this program. Courses used toward the master's degree or master's certification may not be repeated or counted for the Ed.S. degree.

Students in this program are required to purchase College LiveText. College LiveText Education Solutions is a complete development, management, and assessment solution specifically designed for colleges and universities. Additional information on College LiveText can be obtained at <http://www.livetext.com>.

The purposes of a Class AA program shall be to prepare educators on the sixth-year level to serve effectively in instructional support positions. Persons who complete Class AA programs shall have acquired knowledge and skills above the level required for completion of a Class A program.

**EDUCATIONAL SPECIALIST
MAJOR: EDUCATION
CONCENTRATION: COLLABORATIVE TEACHER/
SPECIAL EDUCATION (6-12)**

Core Requirements (18 – 22 semester hours):

- ED 500 Introduction to Graduate Education and Technology (1)
(Students who did not take ED 500 (discipline specific section) as a master's student are required to take the course as part of the Ed.S. program. Required in the first semester of enrollment.)
- EFD 552 Diversity Issues in Education (3)
- EIM 610 Emerging Technology & Collaborative Tools (3)
- EFD 615 Leadership (3)
- EFD 620 Measurement and Evaluation (3)
- EFD 691 Advanced Research in Education I (3)
(Prerequisites for ECE and EED majors: ECE/EED 631 and ECE/EED 642; for SPE majors: SPE 620 and SPE 624)
- EFD 692 Advanced Research in Education II (3) (Prerequisite: EFD 691)
(Must be taken in the last semester of enrollment.)
- *SPE 500 Survey Course in Special Education (3)
(Students who have not previously satisfied the special education requirement at the undergraduate or graduate level must take SPE 500.)

Concentration (12 semester hours):

- SPE 618 Advanced Strategies for Students with Disabilities
Secondary Level (3) (Prerequisite: SPE 300/500)
- SPE 620 Curriculum Development Seminar in Special Education (3)
- SPE 624 Writing for Professional Publication (3)
- SPE 662 Advanced Research and Practices of Severe Disabilities, 6-12 (3)
(Prerequisite: SPE 560)

30-34 Graduate Semester Hours Required for this Degree**Notes:**

Admission to this program requires master's level teacher certification in Collaborative Teacher/Special Education (6-12).

Completion of this program leads to eligibility for sixth-year teacher certification in collaborative teacher/special education (6-12).

An overall GPA of 3.25 on a 4.0 scale on all course work attempted is required for this program. Courses used toward the master's degree or fifth-year/master's certification may not be repeated or counted for the Ed.S. degree.

Students in this program are required to purchase College LiveText. College LiveText Education Solutions is a complete development, management, and assessment solution specifically designed for colleges and universities. Additional information on College LiveText can be obtained at <http://www.livetext.com>.

The purposes of a Class AA program shall be to prepare educators on the sixth-year level to serve effectively in instructional support positions. Persons who complete Class AA programs shall have acquired knowledge and skills above the level required for completion of a Class A program.

**EDUCATIONAL SPECIALIST
MAJOR: EDUCATION
CONCENTRATION: EARLY CHILDHOOD EDUCATION (P-3)**

Core Requirements (18-22 semester hours):

- ED 500 Introduction to Graduate Education and Technology (1)
(Students who did not take ED 500 (discipline specific section) as a master's student at JSU are required to take the course as part of the Ed.S. program. Required in the first semester of enrollment.)
- EFD 552 Diversity Issues in Education (3)
- EIM 610 Emerging Technology & Collaborative Tools (3)
- EFD 615 Leadership (3)
- EFD 620 Measurement and Evaluation (3)
- EFD 691 Advanced Research in Education I (3)
(Prerequisites for ECE and EED majors: ECE/EED 631 and ECE/EED 642:
For SPE majors: SPE 620 and SPE 624)
- EFD 692 Advanced Research in Education II (3) (Prerequisite: EFD 691)
(Must be taken in the last semester of enrollment.)
- *SPE 500 Survey Course in Special Education (3)
(Students who have not previously satisfied the special education requirement at the undergraduate or graduate level must take SPE 500.)

Concentration Requirements (12 semester hours):

- ECE 631 Seminar in ECE: Teacher as Researcher/Issues and Trends (3)
- ECE 642 Professional Publications in Early Childhood Education (3)
(Prerequisite: ECE 631)

By faculty advisement, choose six (6) graduate semester hours from early childhood education courses. Graduate courses selected to meet this concentration requirement must be numbered at the 500 or 600 levels.

30-34 Graduate Semester Hours Required for this Degree**Notes:**

Admission to this program requires fifth-year (master's) teacher certification in early childhood education P-3 or P-5 certification from Georgia.

Completion of this program leads to eligibility for sixth-year teacher certification in early childhood education (P-3).

An overall GPA of 3.25 on a 4.0 scale on all course work attempted is required for this program. Courses used toward the master's degree or fifth-year/master's certification may not be repeated or counted for the Ed.S. degree.

Students in this program are required to purchase College LiveText. College LiveText Education Solutions is a complete development, management, and assessment solution specifically designed for colleges and universities. Additional information on College LiveText can be obtained at <http://www.livetext>.

The purposes of a Class AA program shall be to prepare educators on the sixth-year level to serve effectively in instructional support positions. Persons who complete Class AA programs shall have acquired knowledge and skills above the level required for completion of a Class A program.

**EDUCATIONAL SPECIALIST
MAJOR: EDUCATION
CONCENTRATION: ELEMENTARY EDUCATION (K-6)**

Core Requirements (18 – 22 semester hours):

- ED 500 Introduction to Graduate Education and Technology (1)
(Students who did not take ED 500 (discipline specific section) as a master's student at JSU are required to take the course as part of the Ed.S. program. Required in the first semester of enrollment.)
- EFD 552 Diversity Issues in Education (3)
- EIM 610 Emerging Technology & Collaborative Tools (3)
- EFD 615 Leadership (3)
- EFD 620 Measurement and Evaluation (3)
- EFD 691 Advanced Research in Education I (3)
(Prerequisites for ECE and EED majors: ECE/EED 631 and ECE/EED 642; for SPE majors: SPE 620 and SPE 624)
- EFD 692 Advanced Research in Education II (3) (Prerequisite: EFD 691)
(Must be taken in the last semester of enrollment.)
- *SPE 500 Survey Course in Special Education (3)
(Students who have not previously satisfied the special education requirement at the undergraduate or graduate level must take SPE 500.)

Concentration Requirements (12 semester hours):

- EED 631 Seminar in EED: Teacher as Researcher/Issues and Trends (3)
- EED 642 Professional Publications in Elementary Education (3)
(Prerequisite: EED 631)

By faculty advisement, choose six (6) graduate semester hours from elementary education courses. Graduate courses selected to meet this concentration requirement must be numbered at the 500 or 600 levels.

30-34 Graduate Semester Hours Required for this Degree**Notes:**

Admission to this program requires Alabama fifth-year (master's) teacher certification in elementary education K-6 or reading specialist, or Georgia teacher certification in elementary education K-5, early childhood education P-5, middle grades generalist 4-8, or reading specialist.

Completion of this program leads to eligibility for sixth-year teacher certification in elementary education (K-6).

An overall GPA of 3.25 on a 4.0 scale on all course work attempted is required for this program. Courses used toward the master's degree or fifth-year/master's certification may not be repeated or counted for the Ed.S. degree.

Students in this program are required to purchase College LiveText. College LiveText Education Solutions is a complete development, management, and assessment solution specifically designed for colleges and universities. Additional information on College LiveText can be obtained at <http://www.livetext.com>.

The purposes of a Class AA program shall be to prepare educators on the sixth-year level to serve effectively in instructional support positions. Persons who complete Class AA programs shall have acquired knowledge and skills above the level required for completion of a Class A program.

EDUCATIONAL SPECIALIST
MAJOR: EDUCATION
CONCENTRATION: LIBRARY MEDIA (P-12)

Core Requirements (18-22 semester hours):

- ED 500 Introduction to Graduate Education and Technology (1)
 (Students who did not take ED 500 (discipline specific section) as a master's student at JSU are required to take the course as part of their Ed.S. program. Required in the first semester of enrollment.)
- EFD 552 Diversity Issues in Education (3)
- EIM 610 Emerging Technology & Collaborative Tools (3)
- EFD 615 Leadership (3)
- EFD 620 Measurement and Evaluation (3)
- EFD 691 Advanced Research in Education I (3)
- EFD 692 Advanced Research in Education II (3) (Prerequisite: EFD 691)
 (Must be taken in the last semester of enrollment.)
- *SPE 500 Survey Course in Special Education (3)
 (*Students who have not previously satisfied the special education requirement at the undergraduate or graduate level must take SPE 500)

Concentration Requirements (12 semester hours):

- LM 612 Advanced Materials for Children & Young Adults (3)
- EIM 615 Online Course Design (3)
- EIM 620 Educational Multi-Media and Video (3)
- EIM 624 Advanced Digital Photography in Education (3)

30-34 Graduate Semester Hours Required for this Degree

Notes:

Admission to this program requires fifth year (master's) certification in Library Media.

An overall GPA of 3.25 on a 4.0 scale on all course work attempted is required for this program. Courses used toward the master's degree or fifth-year/master's certification may not be repeated or counted for the Ed.S. degree. Students in this program are required to purchase College LiveText. College LiveText Education Solutions is a complete development, management, and assessment solution specifically designed for colleges and universities. Additional information on College LiveText can be obtained at <http://www.livetext.com>.

The purposes of a Class AA program shall be to prepare educators on the sixth-year level to serve effectively in instructional support positions. Persons who complete Class AA programs shall have acquired knowledge and skills above the level required for completion of a Class A program.

**EDUCATIONAL SPECIALIST
MAJOR: EDUCATION
CONCENTRATION: PHYSICAL EDUCATION (P-12)**

Core Requirements (18-22 semester hours):

- | | | |
|------|-----|--|
| ED | 500 | Introduction to Graduate Education and Technology (1)
(Students who did not take ED 500 (discipline specific section) as a master's student at JSU are required to take the course as part of their Ed.S. program. Required in the first semester of enrollment.) |
| EFD | 552 | Diversity Issues in Education (3) |
| EIM | 610 | Emerging Technology & Collaborative Tools (3) |
| EFD | 615 | Leadership (3) |
| EFD | 620 | Measurement and Evaluation (3) |
| EFD | 691 | Advanced Research in Education I (3)
(Prerequisites for ECE and EED majors: ECE/EED 631 and ECE/EED 642; for SPE majors: SPE 620 and SPE 624) |
| EFD | 692 | Advanced Research in Education II (3) (Prerequisite: EFD 691)
(Must be taken in the last semester of enrollment.) |
| *SPE | 500 | Survey Course in Special Education (3)
(Students who have not previously satisfied the special Education requirement at the undergraduate or graduate level must take SPE 500.) |

Concentration Requirements (12 semester hours):

By faculty advisement, choose 12 graduate semester hours in physical education courses. Graduate courses selected to meet this concentration requirement must be numbered at the 500 or 600 levels.

30-34 Graduate Semester Hours Required for this Degree**Notes:**

Admission to this program requires fifth-year (master's) teacher certification in physical education.

Completion of this program leads to eligibility for sixth-year teacher certification in physical education (P-12).

An overall GPA of 3.25 on a 4.0 scale on all course work attempted is required for this program. Courses used toward the master's degree or fifth-year/master's certification may not be repeated or counted for the Ed.S. degree.

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The purposes of a Class AA program shall be to prepare educators on the sixth-year level to serve effectively in instructional support positions. Persons who complete Class AA programs shall have acquired knowledge and skills above the level required for completion of a Class A program.

**EDUCATIONAL SPECIALIST
MAJOR: EDUCATION
CONCENTRATION: SECONDARY EDUCATION
TEACHING FIELD: BIOLOGY (6-12)**

Core Requirements (18-22 semester hours):

- ED 500 Introduction to Graduate Education and Technology (1)
(Students who did not take ED 500 (discipline specific section) as a master's student at JSU are required to take the course as part of their Ed.S. program. Required in the first semester of enrollment.)
- EFD 552 Diversity Issues in Education (3)
- EIM 610 Emerging Technology & Collaborative Tools (3)
- EFD 615 Leadership (3)
- EFD 620 Measurement and Evaluation (3)
- EFD 691 Advanced Research in Education I (3)
(Prerequisites for ECE and EED majors: ECE/EED 631 and ECE/EED 642; for SPE majors: SPE 620 and SPE 624)
- EFD 692 Advanced Research in Education II (3) (Prerequisite: EFD 691)
(Must be taken in the last semester of enrollment.)
- *SPE 500 Survey Course in Special Education (3)
(Students who have not previously satisfied the special education requirement at the undergraduate or graduate level must take SPE 500.)

Teaching Field Requirements (12 semester hours):

By faculty advisement, choose 12 graduate semester hours in biology or marine biology. Graduate courses selected to meet this concentration requirement must be numbered at the 500 or 600 levels.

30-34 Graduate Semester Hours Required for this Degree**Notes:**

Admission to this program requires fifth-year (master's) teacher certification in biology or general science.

Completion of this program leads to eligibility for sixth-year teacher certification in biology.

This major requires a minimum GPA of 3.0 in the course work in the teaching field. An overall GPA of 3.25 on a 4.0 scale on all course work attempted is required for this program. Transfer credit cannot be used to raise the GPA in this teaching field course work to the required 3.0. Courses used toward the master's degree or fifth-year/master's certification may not be repeated or counted for the Ed.S. degree.

A student may transfer no more than three semester hours of coursework in the teaching field.

Students in this program are required to purchase College LiveText. College LiveText Education Solutions is a complete development, management, and assessment solution specifically designed for colleges and universities. Additional information on College LiveText can be obtained at <http://www.livetext.com>.

The purposes of a Class AA program shall be to prepare educators on the sixth-year level to serve effectively in instructional support positions. Persons who complete Class AA programs shall have acquired knowledge and skills above the level required for completion of a Class A program.

**EDUCATIONAL SPECIALIST
MAJOR: EDUCATION
CONCENTRATION: SECONDARY EDUCATION
TEACHING FIELD: ENGLISH LANGUAGE ARTS (6-12)**

Core Requirements (18-22 semester hours):

- ED 500 Introduction to Graduate Education and Technology (1)
(Students who did not take ED 500 (discipline specific section) as a master's student at JSU are required to take the course as part of their Ed.S. program. Required in the first semester of enrollment.)
- EFD 552 Diversity Issues in Education (3)
- EIM 610 Emerging Technology & Collaborative Tools (3)
- EFD 615 Leadership (3)
- EFD 620 Measurement and Evaluation (3)
- EFD 691 Advanced Research in Education I (3)
(Prerequisites for ECE and EED majors: ECE/EED 631 and ECE/EED 642; for SPE majors: SPE 620 and SPE 624)
- EFD 692 Advanced Research in Education II (3) (Prerequisite: EFD 691)
(Must be taken in the last semester of enrollment.)
- *SPE 500 Survey Course in Special Education (3)
(Students who have not previously satisfied the special education requirement at the undergraduate or graduate level must take SPE 500.)

Teaching Field Requirements (12 semester hours):

By faculty advisement, choose 12 graduate semester hours in English Language Arts to include at least one course from two of the following areas: English, speech, drama, or communication. Graduate courses selected to meet this concentration requirement must be numbered at the 500 or 600 levels.

30-34 Graduate Semester Hours Required for this Degree**Notes:**

Admission to this program requires fifth-year (master's) teacher certification in English or English Language Arts.

Completion of this program leads to eligibility for sixth-year teacher certification in English Language Arts.

This major requires a minimum GPA of 3.0 in the course work in the teaching field. An overall GPA of 3.25 on a 4.0 scale on all course work attempted is required for the program. Transfer credit cannot be used to raise the GPA in this teaching field course work to the required 3.0. Courses used toward the master's degree or fifth-year/master's certification may not be repeated or counted for the Ed.S. degree.

A student may transfer no more than three semester hours of coursework in the teaching field.

Students in this program are required to purchase College LiveText. College LiveText Education Solutions is a complete development, management, and assessment solution specifically designed for colleges and universities. Additional information on College LiveText can be obtained at <http://www.livetext>.

The purposes of a Class AA program shall be to prepare educators on the sixth-year level to serve effectively in instructional support positions. Persons who complete Class AA programs shall have acquired knowledge and skills above the level required for completion of a Class A program.

**EDUCATIONAL SPECIALIST
MAJOR: EDUCATION
CONCENTRATION: SECONDARY EDUCATION
TEACHING FIELD: GENERAL SCIENCE (6-12)**

Core Requirements (18-22 semester hours):

- ED 500 Introduction to Graduate Education and Technology (1)
(Students who did not take ED 500 (discipline specific section) as a master's student at JSU are required to take the course as part of their Ed.S. program. Required in the first semester of enrollment.)
- EFD 552 Diversity Issues in Education (3)
- EIM 610 Emerging Technology & Collaborative Tools (3)
- EFD 615 Leadership (3)
- EFD 620 Measurement and Evaluation (3)
- EFD 691 Advanced Research in Education I (3)
(Prerequisites for ECE and EED majors: ECE/EED 631 and ECE/EED 642; for SPE majors: SPE 620 and SPE 624)
- EFD 692 Advanced Research in Education II (3) (Prerequisite: EFD 691)
(Must be taken in the last semester of enrollment.)
- *SPE 500 Survey Course in Special Education (3)
(Students who have not previously satisfied the special education requirement at the undergraduate or graduate level must take SPE 500.)

Teaching Field Requirements (12 semester hours):

By faculty advisement, choose 12 graduate semester hours in general science to include at least one course from two of the following areas: biology, marine biology, chemistry, Earth & space science, or physics. For Earth and space science courses, see course descriptions in the geography section of this *Bulletin*. Graduate courses selected to meet this concentration requirement must be numbered at the 500 or 600 levels.

***Electives: 0 or 3 semester hours:**

By faculty advisement, 3 graduate semester hours of electives must be selected from courses numbered at the 500 or 600 levels.

30-34 Graduate Semester Hours Required for this Degree**Notes:**

Admission to this program requires fifth-year (master's) teacher certification in general science.

Completion of this program leads to eligibility for sixth-year teacher certification in general science.

This major requires a minimum GPA of 3.0 in the course work in the teaching field. An overall GPA of 3.25 on a 4.0 scale on all course work attempted is required for this program. Transfer credit cannot be used to raise the GPA in this teaching field course work to the required 3.0. Courses used toward the master's degree or fifth-year/master's certification may not be repeated or counted for the Ed.S. degree.

A student may transfer no more than three semester hours of coursework in the teaching field.

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The purposes of a Class AA program shall be to prepare educators on the sixth-year level to serve effectively in instructional support positions. Persons who complete Class AA programs shall have acquired knowledge and skills above the level required for completion of a Class A program.

**EDUCATIONAL SPECIALIST
MAJOR: EDUCATION
CONCENTRATION: SECONDARY EDUCATION
TEACHING FIELD: HISTORY (6-12)**

Core Requirements (18-22 semester hours):

- ED 500 Introduction to Graduate Education and Technology (1)
(Students who did not take ED 500 (discipline specific section) as a master's student at JSU are required to take the course as part of their Ed.S. program. Required in the first semester of enrollment.)
- EFD 552 Diversity Issues in Education (3)
- EIM 610 Emerging Technology & Collaborative Tools (3)
- EFD 615 Leadership (3)
- EFD 620 Measurement and Evaluation (3)
- EFD 691 Advanced Research in Education I (3)
(Prerequisites for ECE and EED majors: ECE/EED 631 and ECE/EED 642; for SPE majors: SPE 620 and SPE 624)
- EFD 692 Advanced Research in Education II (3) (Prerequisite: EFD 691)
(Must be taken in the last semester of enrollment.)
- *SPE 500 Survey Course in Special Education (3)
(Students who have not previously satisfied the special education requirement at the undergraduate or graduate level must take SPE 500.)

Teaching Field Requirements (12 semester hours):

By faculty advisement, choose 12 graduate semester hours in history. Graduate courses selected to meet this concentration requirement must be numbered at the 500 or 600 levels.

30-34 Graduate Semester Hours Required for this Degree**Notes:**

Admission to this program requires fifth-year (master's) teacher certification in a history or social science.

Completion of this program leads to eligibility for sixth-year teacher certification in history.

This major requires a minimum GPA of 3.0 in the course work in the teaching field. An overall GPA of 3.25 on a 4.0 scale on all course work attempted is required for this program. Transfer credit cannot be used to raise the GPA in this teaching field course work to the required 3.0. Courses used toward the master's degree or fifth-year/master's certification may not be repeated or counted for the Ed.S. degree.

A student may transfer no more than three semester hours of coursework in the teaching field.

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The purposes of a Class AA program shall be to prepare educators on the sixth-year level to serve effectively in instructional support positions. Persons who complete Class AA programs shall have acquired knowledge and skills above the level required for completion of a Class A program.

**EDUCATIONAL SPECIALIST
MAJOR: EDUCATION
CONCENTRATION: SECONDARY EDUCATION
TEACHING FIELD: MATHEMATICS (6-12)**

Core Requirements (18-22 semester hours):

- ED 500 Introduction to Graduate Education and Technology (1)
(Students who did not take ED 500 (discipline specific section) as a master's student at JSU are required to take the course as part of their Ed.S. program. Required in the first semester of enrollment.)
- EFD 552 Diversity Issues in Education (3)
- EIM 610 Emerging Technology & Collaborative Tools (3)
- EFD 615 Leadership (3)
- EFD 620 Measurement and Evaluation (3)
- EFD 691 Advanced Research in Education I (3)
(Prerequisites for ECE and EED majors: ECE/EED 631 and ECE/EED 642; for SPE majors: SPE 620 and SPE 624)
- EFD 692 Advanced Research in Education II (3) (Prerequisite: EFD 691)
(Must be taken in the last semester of enrollment.)
- *SPE 500 Survey Course in Special Education (3)
(Students who have not previously satisfied the special education requirement at the undergraduate or graduate level must take SPE 500.)

Teaching Field Requirements (12 semester hours):

By faculty advisement, choose 12 graduate semester hours in mathematics. Graduate courses selected to meet this concentration requirement must be numbered at the 500 or 600 levels.

30-34 Graduate Semester Hours Required for this Degree**Notes:**

Admission to this program requires fifth-year (master's) teacher certification in mathematics.

Completion of this program leads to eligibility for sixth-year teacher certification mathematics.

This major requires a minimum GPA of 3.0 in the course work in the teaching field. An overall GPA of 3.25 on a 4.0 scale on all course work attempted is required for this program. Transfer credit cannot be used to raise the GPA in this teaching field course work to the required 3.0. Courses used toward the master's degree or fifth-year/master's certification may not be repeated or counted for the Ed.S. degree.

A student may transfer no more than three semester hours of coursework in the teaching field.

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The purposes of a Class AA program shall be to prepare educators on the sixth-year level to serve effectively in instructional support positions. Persons who complete Class AA programs shall have acquired knowledge and skills above the level required for completion of a Class A program.

**EDUCATIONAL SPECIALIST
MAJOR: EDUCATION
CONCENTRATION: SECONDARY EDUCATION
TEACHING FIELD: SOCIAL SCIENCE (6-12)**

Core Requirements (18-22 semester hours):

- ED 500 Introduction to Graduate Education and Technology (1)
(Students who did not take ED 500 (discipline specific section) as a master's student at JSU are required to take the course as part of their Ed.S. program. Required in the first semester of enrollment.)
- EFD 552 Diversity Issues in Education (3)
- EIM 610 Emerging Technology & Collaborative Tools (3)
- EFD 615 Leadership (3)
- EFD 620 Measurement and Evaluation (3)
- EFD 691 Advanced Research in Education I (3)
(Prerequisites for ECE and EED majors: ECE/EED 631 and ECE/EED 642; for SPE majors: SPE 620 and SPE 624)
- EFD 692 Advanced Research in Education II (3) (Prerequisite: EFD 691)
(Must be taken in the last semester of enrollment.)
- *SPE 500 Survey Course in Special Education (3)
(Students who have not previously satisfied the special Education requirement at the undergraduate or graduate level must take SPE 500.)

Teaching Field Requirements (12 semester hours):

By faculty advisement, select 12 graduate semester hours in social science to include at least one course from two of the following areas: economics, geography, history, political science, or psychology. Graduate courses selected to meet this concentration requirement must be numbered at the 500 or 600 levels.

30-34 Graduate Semester Hours Required for this Degree**Notes:**

Admission to this program requires fifth-year (master's) teacher certification in social science.

Completion of this program leads to eligibility for sixth-year teacher certification in social science.

This major requires a minimum GPA of 3.0 in the course work in the teaching field. An overall GPA of 3.25 on a 4.0 scale on all course work attempted is required for this program. Transfer credit cannot be used to raise the GPA in this teaching field course work to the required 3.0. Courses used toward the master's degree or fifth-year/master's certification may not be repeated or counted for the Ed.S. degree.

A student may transfer no more than three semester hours of coursework in the teaching field.

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The purposes of a Class AA program shall be to prepare educators on the sixth-year level to serve effectively in instructional support positions. Persons who complete Class AA programs shall have acquired knowledge and skills above the level required for completion of a Class A program.

**EDUCATIONAL SPECIALIST
MAJOR: EDUCATION
CONCENTRATION: TEACHER LEADER**

Core Requirements (30 semester hours):

EFD 615	Leadership in Education (3)
EFD 620	Measurement and Evaluation (3)
EFD 633	Funding for School Improvement (3)
IL 650	Seminar in Curriculum Development (3)
IL 614	Internship in Personnel Development I (3)
IL 620	Internship in Personnel Development II (3)
EFD 670	Facilitating Quality Instruction in Mathematics with Colleagues (3)
EFD 672	Facilitating Quality Instruction in Literacy with Colleagues (3)
EFD 691	Advanced Research in Education I (3)
EFD 692	Advanced Research in Education II (3)
*SPE 500	Survey Course in Special Education (3) (Students who have not previously satisfied the special Education requirement at the undergraduate or graduate level must take SPE 500.)

30 Graduate Semester Hours Required for this Degree

Admission to this program requires fifth year (master's) certification in any teaching field.

An overall GPA of 3.25 on a 4.0 scale on all course work attempted is required for this program. Courses used toward the master's degree or fifth-year/master's certification may not be repeated or counted for the Ed.S. degree.

Students in this program are required to purchase College LiveText. College LiveText Education Solutions is a complete development, management, and assessment solution specifically designed for colleges and universities. Additional information on College LiveText can be obtained at <http://www.livetext>.

The purposes of a Class AA program shall be to prepare educators on the sixth-year level to serve effectively in instructional support positions. Persons who complete Class AA programs shall have acquired knowledge and skills above the level required for completion of a Class A program.

**EDUCATIONAL SPECIALIST
MAJOR: INSTRUCTIONAL LEADERSHIP (P-12)**

Core Requirements (30 semester hours):

EFD 615	Leadership in Education (3)
IL 612	Planning and Managing Facilities and Programs (3)
IL 614	Internship in Personnel Development I (3)
IL 620	Internship in Personnel Development II (3)
IL 632	Research in Instructional Leadership (3)
IL 650	Seminar in Curriculum Development (3)
IL 691	Problems in Instructional Leadership I and Internship (3)
EFD 62:	Measurement and Evaluation (3)
IL 692	Problems in Instructional Leadership II and Internship (3)
EFD 633	Funding for School Improvement (3)
*SPE 500	Survey Course in Special Education (3) (Students who have not previously satisfied the special Education requirement at the undergraduate or graduate level must take SPE 500.)

30 Graduate Semester Hours Required for this Degree

Notes:

Admission to this program requires fifth-year (master's) teacher certification in (instructional leadership).

Completion of this program leads to eligibility for sixth-year teacher certification in instructional leadership (P-12).

An overall GPA of 3.25 on a 4.0 scale on all course work attempted is required for this program. Courses used toward the master's degree or fifth-year/master's certification may not be repeated or counted for the Ed.S. degree.

The purposes of a Class AA program shall be to prepare educators on the sixth-year level to serve effectively in instructional support positions. Persons who complete Class AA programs shall have acquired knowledge and skills above the level required for completion of a Class A program.

APPLICATION MATERIALS REQUIRED FOR ALL MASTER'S DEGREE EDUCATION PROGRAMS

Applicants for a master's degree education program must submit all of the following documentation to the College of Graduate Studies, Jacksonville State University, 700 Pelham Road North, Jacksonville, Alabama, 36265-1602, to be considered for admission.

The deadline for application to most programs in the College of Education and Professional Studies will be on or before the first day of classes for any given semester, unless otherwise specified in this *Bulletin*. First time enrollees for programs with an application deadline of the first day of classes for any given semester must seek immediate advisement to register for classes.

Master's programs in education with deadline dates for all admission requirements to be submitted are: Community Agency Counseling, Instructional Leadership, Library Media, and School Counseling. Application deadline dates for these programs are: November 1 for spring semester admission, April 1 for summer admission and July 1 for fall semester admission. Applicants in these programs whose application packages are complete will be contacted to schedule an appointment for a writing sample and an interview with faculty members of the counselor education, instructional leadership, or library media programs. As part of the interview process, applicants will be asked to submit a writing sample.

1. Completed JSU Graduate Application for Admission (http://www.jsu.edu/graduate/grad_app.html)
2. Non-refundable \$30.00 application processing fee
3. Official transcripts(s) from all postsecondary institutions attended. (Students who have previously attended JSU do not need to request a transcript from the University.) **Students seeking alternative fifth-year teacher certification must submit two official transcripts from all postsecondary institutions attended.** For additional information on the alternative fifth-year teacher certification program, see pages 158-161 of this *Bulletin*.
4. Official test scores on the General Test of the GRE or the MAT (please refer to page 18 of this *Bulletin*).
5. Copies of all clear and renewable teaching certificates. (Does not apply to community agency counseling.) ALL certificate(s) should be clear and renewable throughout the program and at graduation.

For students applying to a master's program in education, the bachelor's level teaching certificate must be in the same area as the chosen area in the master's program except the programs listed below. In these programs applicants must possess a clear and renewable certificate in some area of education.

Collaborative Teacher/Special Education (K-6)
Collaborative Teacher/Special Education (6-12)
Instructional Leadership
Library Media
Reading Specialist
School Counseling
Sport Management

6. Background check. Any candidate applying for admission to a state-approved teacher education program shall be required to be fingerprinted for a criminal history background check through the Alabama State Department of Education to the Alabama Bureau of Investigation (ABI) and the Federal Bureau of Investigation (FBI). Applicants should contact Cogent System at www.cogentid.com/alabama for directions in completing this process.
7. "Verification of Educational Experience" form for the master's programs in education listed below. Applicants should contact their superintendent's office/central office for completion of this form or online at <http://www.jsu.edu/graduate/forms.html> or http://www.jsu.edu/graduate/docs/supplement_exp.pdf.

Instructional Leadership (must have completed three years of teaching experience prior to admission to the program)

Library Media (must have completed two years of teaching experience prior to graduation from the program)

Reading Specialist (must have completed two years of teaching experience at the early childhood, elementary, or secondary levels prior to admission to the program)

School Counseling (students pursuing a traditional certification admission option must have completed two years of teaching experience prior to graduation from the program)

8. Professional resume required for the following master's programs in education:

Community Agency Counseling
Instructional Leadership
Library Media
School Counseling

9. Documented evidence of leadership and management potential (may appear in resume) is required for master's program listed below:

Instructional Leadership.

10. Summary (typed, one page, double-spaced) of the applicant's reasons for pursuing the program required for the following master's programs in education:

Community Agency Counseling
Instructional Leadership
Library Media
School Counseling

11. Summary (typed, one-page, double-spaced) of what the applicant expects is required for the following master's programs in education:

Community Agency Counseling
Instructional Leadership
Library Media
School Counseling

12. Copy of applicant's most recent performance appraisal for the following master's programs in education:

Instructional Leadership
Library Media
School Counseling

13. Evidence of ability to improve student achievement required for the following master's programs in education:

Instructional Leadership
Library Media
School Counseling

14. Three "Graduate Reference Forms" completed by individuals who can provide qualitative assessment of the applicant's potential for success in graduate course work. This form is available in the office of the College of Graduate Studies or online at <http://www.jsu.edu/graduate/forms.html> or http://www.jsu.edu/graduate/docs/ref_form.pdf

15. If English is not the applicant's native language, the applicant is required to submit an official TOEFL score report, an IELTS score report, or a PTE score report (please refer to page 28 of this *Bulletin*).

16. Students applying to the School Counseling program have two options for application, the traditional certification admission option or the non-certification admission option. Details regarding the two routes for admissions are found on the chart on the following page:

Overview of the Two Routes for School Counseling Majors Jacksonville State University

	Certified Option (Traditional)	Non-Certified Option (CACREP)
Admission Requirements		
Bachelor's Degree from an accredited institution, or the equivalent from an international institution	Required	Required
Professional educator certification	Required ¹	Not required
Clear background check	Required	Required
Program Completion Requirements		
Completion of all program coursework with a minimum 3.0 GPA with no grade less than a C	Required	Required
Passing score on the basic skills assessment of the Alabama Prospective Teacher Testing Program (APTP)	Required	Required
Passing score on the Praxis II test #0420(must be completed prior to ECG 593 Internship in School Counseling)	Required	Required
Satisfactory completion of oral and written examinations	Required	Required
Additional Certification Requirements²		
Alabama class B certification in a teaching field or Alabama class A certification in another area of instructional support	Required for AL certification	Not required for AL certification
Two years of full-time satisfactory teaching experience	Required for AL SCO certification	Not required for AL SCO certification
Passing score on the National Counseling Exam (NCE) (must be completed prior to enrollment in ECG 594 Internship in School Counseling)	Not required	Required

1 Individuals pursuing the traditional approach to school counseling certification must hold a bachelor's- or master's-level professional educator certificate in a teaching field or master's level professional educator certificate in another area of instructional support

2 Certification requirements may be completed after graduation but must be completed and documented before the college's Certification Officer can verify to Alabama or another state that a State-approved and CACREP-accredited program has been completed at an NCATE-accredited institution. Individuals seeking certification in states other than Alabama are responsible for contacting those state certification offices regarding school counseling certification requirements.

ADMISSION REQUIREMENTS FOR MASTER'S PROGRAMS IN EDUCATION

Applicants for a master's program in education must meet one of the following formula requirements. For purposes of computing the undergraduate GPA, a 4.0 GPA is used. The plus (+) and the minus (-) grades from undergraduate transcripts are not used in calculating the GPA.

Unconditional:

450 times the undergraduate GPA plus the total score of verbal and quantitative sections of the General Test of the GRE is equal to or greater than a total of 2100 points.

OR

15 times the undergraduate GPA plus the MAT score is equal to or greater than a total of 80 points.

Conditional:

Any applicant failing to meet the requirements for unconditional admission must meet one of the following conditional formula requirement:

450 times the undergraduate GPA plus the total score of verbal and quantitative sections of the General Test of the GRE is equal to or greater than a total of 1600 points (currently reviewed and recommended by the graduate faculty in the applicant's major and approved by the Dean of the College of Graduate Studies).

OR

15 times the undergraduate GPA plus the MAT score is equal to or greater than a total of 60 points (currently reviewed and recommended by the graduate faculty in the applicant's major and approved by the Dean of the College of Graduate Studies).

Applicants who are granted conditional admission must achieve a GPA of at least 3.25 for instructional leadership and 3.0 for all other programs on the first 12 graduate hours attempted. Failure to meet these conditions will result in the student being dropped from Graduate Studies.

MINIMUM REQUIREMENTS FOR MASTER'S PROGRAMS IN EDUCATION

The course requirements and the minimum number of semester hours for each program are provided on each individual program of study sheet in the subsequent sections of this *Bulletin*. A written comprehensive examination is required of all candidates for the master's degree and fifth-year teacher certification programs. In preparation for the comprehensive examination, candidates should contact their academic advisor.

An overall GPA of 3.0 on a 4.0 scale is required on all course work attempted in all approved teacher education programs at the master's level except instructional leadership. The major in instructional leadership requires a GPA of 3.25 on a 4.0 scale on all course work for the program. Transfer credit cannot be used to raise the

GPA in this major to the required 3.25. Professional education courses cannot be transferred to JSU if taken in another state.

A student majoring in secondary education is required to have an overall minimum GPA of 3.0 on a 4.0 scale and in the teaching field course work. The master's program in secondary education offers the following teaching fields: biology, business marketing education, English language arts, family and consumer science, general science, history, mathematics, and social science. Transfer credit cannot be used to raise the GPA in the teaching field course work to the required 3.0. At least one-half of the graduate courses taken in the teaching field within the secondary education major must be numbered 500 and no more than three hours in the teaching field may be transferred to JSU.

CLASS A TEACHER CERTIFICATION REQUIREMENTS

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. Subsequently, modifications in students' programs may become necessary. Students in all graduate level teacher education programs must schedule their course work each semester with approval of their faculty advisors. 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 certification, a student must complete an appropriate program of study at a college or university which has been approved by the State Board of Education to offer a program leading to the desired certificate. When a student completes the program of study, the institution recommends to the State Department of Education that the appropriate certificate be issued.

1. Students must hold or meet requirements for a valid baccalaureate level (undergraduate) teaching certificate in the same area of Class A certification they wish to complete at the master's level. However, the areas of collaborative/special education (K-6), collaborative/special education (6-12), instructional leadership, library media, reading specialist, school counseling, and sport management are exceptions to the same area requirement.

Students may complete a master's in any of these specific areas by holding a valid baccalaureate level teaching certificate in any area of education. To complete a Master of Science in Education (MS.Ed.) in early childhood special education, students must have certification at the baccalaureate level in the areas of early childhood education, elementary education, or any area of special education except gifted-talented.
2. Alabama State Department of Education regulations are subject to change; therefore, it is recommended that students apply for certification upon graduation.
3. Students, during their last semester of course work, are to obtain application forms for certification from the Teacher Service Center, 207 Ramona Wood Hall. The appropriate fees (money order or Cashier's Check made payable to the Alabama State Department of Education), with the student's credits are forwarded to the State Department of Education by the Teacher Service Center. The University cannot recommend any student for certification who has not satisfied all State and University requirements for admission to and completion of an approved program.
4. Students certified in states other than Alabama who wish to apply for master's level certification in Alabama upon completion of the master's degree must apply for Alabama certification on the undergraduate level

prior to applying for the master's level certification. Students must be eligible for undergraduate certification in the teaching field(s) in which master's level certification is sought. Earning a master's degree at JSU does not automatically entitle a student to an Alabama certificate without first holding the appropriate undergraduate certificate.

5. Recommendation for certification must be made within five years of program completion. Recommendation after five years requires completion of a current program.

**MASTER OF SCIENCE IN EDUCATION
MAJOR: COLLABORATIVE TEACHER/SPECIAL EDUCATION (K-6)**

Core Requirements (4-7 semester hours):

- ED 500 Introduction to Graduate Education and Technology (1)
(Discipline specific section required first semester of enrollment.)
- EFD 500 Research in Education (3)
- *SPE 500 Survey Course in Special Education (3)
(Students who have not previously satisfied the special education requirement at the undergraduate or graduate level must take SPE 500.)

Teaching Field Requirements (30 semester hours):

- SPE 505 Functional Communication (3)
- SPE 516 Characteristics of Mild to Moderate Disabilities (3)
- SPE 517 Methods: Mild to Moderate Disabilities K-6 (3)
- SPE 522 Assessment of Special Populations (3)
- SPE 533 Applied Behavior Analysis (3)
- SPE 554 Medical, Legal, and Ethical Aspects of SPE (3)
- SPE 560 Characteristics of Severe Disabilities (3)
- SPE 561 Research and Practices: Severe Disabilities K-6 (3)
- SPE 581 Practicum in Mild to Moderate Disabilities K-6 (3)
- SPE 584 Practicum in Severe Disabilities, K-6 (3)

34-37* Graduate Semester Hours Required for this Degree

Notes:

Admission to this program requires fourth-year (bachelor's) teacher certification in any area. Candidates who have a bachelor's level certification in a field other than Collaborative Teacher/Special Education must complete SPE 524 and SPE 534 in addition to the courses listed above.

Completion of this program leads to eligibility for fifth-year (master's) teacher certification in collaborative teacher/special education (K-6). If this certification is the initial (first) certification in collaborative teacher/special education (K-6), successful completion of the appropriate Praxis II examination is required before Practicum, SPE 581 and SPE 584.

Students in this program are required to purchase College LiveText. College LiveText Education Solutions is a complete development, management, and assessment solution specifically designed for colleges and universities. Additional information on College LiveText can be obtained at <http://www.livetext.com>.

**MASTER OF SCIENCE IN EDUCATION
MAJOR: COLLABORATIVE TEACHER/SPECIAL EDUCATION (6-12)**

Core Requirements (4-7 semester hours):

- ED 500 Introduction to Graduate Education and Technology (1)
(Discipline specific section required first semester of enrollment.)
- EFD 500 Research in Education (3)
- *SPE 500 Survey Course in Special Education (3)
(Students who have not previously satisfied the special education requirement at the undergraduate or graduate level must take SPE 500.)

Teaching Field Requirements (30 semester hours):

- SPE 516 Characteristics of Mild to Moderate Disabilities (3)
- SPE 518 Methods: Mild to Moderate Disabilities 6-12 (3)
- SPE 522 Assessment of Special Populations (3)
- SPE 533 Applied Behavior Analysis (3)
- SPE 554 Medical, Legal, and Ethical Aspects of SPE (3)
- SPE 560 Characteristics of Severe Disabilities (3)
- SPE 562 Research and Practices: Severe Disabilities 6-12 (3)
- SPE 582 Practicum in Mild to Moderate Disabilities 6-12 (3)
- SPE 585 Practicum in Severe Disabilities, 6-12 (3)
- ESE 505 Education Methods, Assessment, and Technology in Secondary Schools (3)

34-37* Graduate Semester Hours Required for this Degree

Notes:

Admission to this program requires fourth-year (bachelor's) teacher certification in any area. Candidates who have a bachelor's level certification in a field other than Collaborative Teacher/Special Education must complete SPE 524 and SPE 534 in addition to the courses listed above.

Completion of this program leads to eligibility for fifth-year (master's) teacher certification in collaborative teacher/special education (6-12). If this certification is the initial (first) certification in collaborative teacher/special education (6-12), successful completion of the appropriate Praxis II examination is required before Practicum, SPE 582 and SPE 585.

Students in this program are required to purchase College LiveText. College LiveText Education Solutions is a complete development, management, and assessment solution specifically designed for colleges and universities. Additional information on College LiveText can be obtained at <http://www.livetext.com>.

**MASTER OF SCIENCE
MAJOR: COUNSELOR EDUCATION
CONCENTRATION: COMMUNITY AGENCY COUNSELING**

Basic Requirements (13 semester hours):

- ECG 500 Counseling Principles in Technological Application (3)
(Required first semester of enrollment.)
- ECG 501 Assessment in Counseling (3)
- EFD 500 Research in Education (3)
(Corequisite: EFD 504 for CE majors.)
- EFD 504 Statistical Applications Lab (1)
(Corequisite: EFD 500)
- EPY 525 Lifespan Development (3)

Core Requirements (24 semester hours):

- ECG 506 Professional Orientation and Ethics (3)
(Required first semester of enrollment.)
- ECG 525 Skills Development (3)
(Prerequisites: ECG 506 and ECG 553)
- ECG 553 Theory and Process (3)
- ECG 556 Career Development (3)
- ECG 585 Counseling Practicum (3)
(Prerequisites: ECG 506, 525, 553 and 591)
- ECG 591 Group Procedures in Counseling (3)
(Prerequisites: ECG 506 and 553)
- ECG 595 Internship in Community Agency Counseling (3)
(Prerequisites: Permission of instructor and ECG 585)
- ECG 596 Internship in Community Agency Counseling (3)
(Prerequisite: Permission of instructor and ECG 585)

Community Agency Concentration Courses (12 semester hours):

- ECG 523 Multicultural Issues (3)
- ECG 540 Diagnosis and Treatment of the DSM Disorders (3)
- ECG 558 Counseling Children/Adolescents (3)
- ECG 588 Crisis Counseling (3)

49 Graduate Semester Hours Required for this Degree**Notes:**

Students in this program are required to purchase College LiveText. College LiveText Education Solutions is a complete development, management, and assessment solution specifically designed for colleges and universities. Additional information on College LiveText can be obtained at <http://.livetext.com>.

**MASTER OF SCIENCE
MAJOR: COUNSELOR EDUCATION
CONCENTRATION: SCHOOL COUNSELING (P-12)**

Basic Requirements (13-16 semester hours):

- ECG 500 Counseling Principles in Technological Application (3)
(Required first semester of enrollment.)
- ECG 501 Assessment in Counseling (3)
- EFD 500 Research in Education (3)
(Corequisite: EFD 504 for CE majors.)
- EFD 504 Statistical Applications Lab (1)
(Corequisite: EFD 500)
- EPY 525 Lifespan Development (3)
- *SPE 500 Survey Course in Special Education (3)
(Students who have not previously satisfied the special
Education requirement at the undergraduate or graduate level
must take SPE 500.)

Counseling Core Courses (24 semester hours):

- ECG 506 Professional Orientation and Ethics (3)
(Required first semester of enrollment.)
- ECG 525 Skills Development (3)
(Prerequisites: ECG 506 and ECG 553)
- ECG 553 Theory and Process (3)
- ECG 556 Career Development (3)
- ECG 585 Counseling Practicum (3)
(Prerequisites: ECG 506, 525, 553 and 591)
- ECG 591 Group Procedures in Counseling (3)
(Prerequisites: ECG 506 and 553)
- ECG 593 Internship in School Counseling (3)
(Prerequisites: Permission of instructor and ECG 585)
- ECG 594 Internship in School Counseling (3)
(Prerequisites: Permission of instructor and ECG 585)

School Counseling Concentration Courses (9 semester hours):

- ECG 523 Multicultural Issues (3)
- ECG 527 Organization and Administration of Counseling Services (3)
- ECG 558 Counseling Children/Adolescents (3)

46-49* Graduate Semester Hours Required for this Degree**Notes:**

Admission to this program requires fourth-year (bachelor's) teacher certification in any area for students pursuing the traditional certification option.

Completion of this program leads to eligibility for fifth-year (master's) teacher certification in school counseling for students pursuing the traditional certification option.

Successful completion of the appropriate Praxis II examination is required prior to Internship, ECG 593 and ECG 594.

Experience verification from the applicant's school system or systems showing two years of teaching experience is required prior to graduation from this program for students pursuing the traditional certification option.

Students pursuing the non-certification admission option must successfully pass the National Counseling Exam (NCE) prior to enrollment in ECG 594 Internship in School Counseling.

Students in this program are required to purchase College LiveText. College LiveText Education Solutions is a complete development, management, and assessment solution specifically designed for colleges and universities. Additional information on College LiveText can be obtained at <http://www.livetext.com>.

**MASTER OF SCIENCE IN EDUCATION
MAJOR: EARLY CHILDHOOD EDUCATION (P-3)**

Core Requirements (13-16 semester hours):

- ED 500 Introduction to Graduate Education and Technology (1)
(Discipline specific section required first semester of enrollment.)
- ECE 507 Assessment in Early Childhood Education (3)
- EFD 500 Research in Education (3)
- EFD 560 Psychological Principles of Learning (3)
- *SPE 500 Survey Course in Special Education (3)
(Students who have not previously satisfied the special education requirements at the undergraduate or graduate level must take SPE 500.)

Choose one from the following:

- EFD 531 Philosophy of Education (3)
- EFD 532 Social Foundations of Education (3)
- EAD 564 Law and Politics of Education (3)

Teaching Field Requirements (21 semester hours):

- ECE 530 Designing Programs for Young Children (3)

Choose six from the following:

- ECE 500 Materials and Methods (3)
- ECE 501 Behavior and Development in Early Childhood (3)
- ECE 513 Individualization of Education for Young Children (3)
- ECE 531 Implementation & Administration of Early Childhood Programs (3)
- ECE 532 Issues & Trends in Early Childhood Education (3)
- ECE 533 Enhancing Learning Through Children's Literature (3)
- ECE 538 Teaching Reading in the ECE (3)
- ECE 539 Teaching Writing in Early Childhood Education (3)
- ECE 540 Intervention in the ECE Classroom (3)

34-37* Graduate Semester Hours Required for this Degree

Notes:

Applicants to this program must hold bachelor's level certification (fourth-year) in early childhood education P-3 or P-5 certification from Georgia.

Completion of this program leads to eligibility for fifth-year (master's) teacher certification in early childhood education (P-3).

Students in this program are required to purchase College LiveText. College LiveText Education Solutions is a complete development, management, and assessment solution specifically designed for colleges and universities. Additional information on College LiveText can be obtained at <http://www.livetext.com>.

**MASTER OF SCIENCE IN EDUCATION
MAJOR: EARLY CHILDHOOD SPECIAL EDUCATION (P-3)**

Core Requirements (19-22 semester hours):

- ED 500 Introduction to Graduate Education and Technology (1)
(Discipline specific section required first semester of enrollment.)
- ECE 512 Practicum in Early Childhood Special Education (3)
- EFD 500 Research in Education (3)
- SPE 505 Functional Communication (3)
- SPE 522 Assessment of Special Populations (3)
- SPE 533 Applied Behavior Analysis (3)
- SPE 554 Medical, Legal, and Ethical Aspects of SPE (3)
- *SPE 500 Survey Course in Special Education (3)
(Students who have not previously satisfied the special education requirement at the undergraduate or graduate level must take SPE 500.)

Teaching Field Requirements (18 semester hours):

- ECE 500 Materials & Methods (3)
- ECE 501 Behavior & Development in Early Childhood (3)
- ECE 513 Individualization of Education for Young Children (3)
- SPE 560 Characteristics of Severe Disabilities (3)
- SPE 561 Research and Practices: Severe Disabilities K-6 (3)
- SPE 584 Practicum in Severe Disabilities , K-6 (3)

37-40* Graduate Semester Hours Required for this Degree

Notes:

Admission to this program requires bachelor's level certification (fourth-year) in one of the following areas: early childhood education, elementary education, or any area of special education except gifted-talented.

Completion of this program leads to eligibility for fifth-year (master's) teaching certification in early childhood special education (P-3).

Successful completion of the appropriate Praxis II examination is required before Practicum, ECE 512 and SPE 584.

Students in this program are required to purchase College LiveText. College LiveText Education Solutions is a complete development, management, and assessment solution specifically designed for colleges and universities. Additional information on College LiveText can be obtained at <http://www.livetext.com>.

**MASTER OF SCIENCE IN EDUCATION
MAJOR: ELEMENTARY EDUCATION (K-6)**

Core Requirements (16-19 semester hours):

- ED 500 Introduction to Graduate Education and Technology (1)
(Discipline specific section required first semester of enrollment.)
- EED 522 Assessment in Elementary Education (3)
- EED 540 Curriculum Integration in Elementary Education (3)
- EFD 500 Research in Education (3)
- EFD 560 Psychological Principles of Learning (3)
- *SPE 500 Survey Course in Special Education (3)
(Students who have not previously satisfied the special education requirement at the undergraduate or graduate level must take SPE 500 and have 0 electives.)

Choose *one* from the following:

- EFD 531 Philosophy of Education (3)
- EFD 532 Social Foundations of Education (3)
- EAD 564 Law and Politics of Education (3)

Teaching Field Requirements (15 semester hours):

- EED 541 Teaching Mathematics (3)
- EED 542 Teaching Reading (3)
- EED 549 Reflective Teaching Practices (3)
(To be taken at end of program during Fall or Spring Semester.)

Choose *two* from the following:

- EED 543 Teaching Social Studies (3)
- EED 544 Teaching Science (3)
- EED 545 Teaching Language Arts (3)

***Elective (0 or 3 semester hours):**

By faculty advisement, 3 graduate semester hours of electives must be selected, by advisement from courses numbered 500 or above.

34-37 Graduate Semester Hours Required for this Degree

Notes:

Admission to this program requires fourth-year (bachelor's) teacher certification in elementary education K-6 or Georgia teacher certification in elementary education K-5, early childhood education P-5, or middle grades generalist 4-8.

Completion of this program leads to eligibility for fifth-year (master's) teacher certification elementary education.

Students in this program are required to purchase College LiveText. College LiveText Education Solutions is a complete development, management, and assessment solution specifically designed for college and universities. Additional information on College LiveText can be obtained at <http://www.livetext.com>.

**MASTER OF SCIENCE IN EDUCATION
MAJOR: INSTRUCTIONAL LEADERSHIP**

IL	504	Graduate Education and Technology (3) (Required first semester of enrollment.)
EFD	502	Curriculum Development (3)
EFD	552	Diversity Issues in Education (3)
EIM	503	Computer-Based Instructional Technologies (3) (Note: Students may substitute EIM 504 or EIM 505 if they have met the prerequisites.)
IL	510	Action Research (3)
IL	553	Leading for Learning (3)
IL	555	Management of the Learning Organization I (3)
IL	556	Management of the Learning Organization II (3)
IL	562	Leading Change for Student Learning (3)
IL	564	Law and Ethics (3)
IL	566	Internship in Instructional Leadership (3).
IL	576	Internship in Instructional Leadership and Residency (3).
*SPE	500	Survey Course in Special Education (3) (Students who have not previously satisfied the special education requirement at the undergraduate or graduate level must take SPE 500.)

36-39* Graduate Semester Hours Required for this Degree

Notes:

Admission to this program requires fourth-year (bachelor's) teacher certification in any area.

Completion of this program leads to eligibility for fifth-year (master's) teacher certification in instructional leadership.

An overall GPA of 3.25 on a 4.0 scale on all course work attempted is required for this program.

Successful completion of the appropriate Praxis II examination is required before taking Internship, IL 566 and IL 576.

Experience verification from the applicant's school system or systems showing three years of full-time teaching experience is required prior to admission to the program.

Students in this program are required to purchase College LiveText. College LiveText Education Solutions is a complete development, management, and assessment solution specifically designed for college and universities. Additional information on College LiveText can be obtained at <http://www.livetext.com>.

**MASTER OF SCIENCE IN EDUCATION
MAJOR: LIBRARY MEDIA (P-12)**

Core Requirements (7-10 semester hours):

- ED 500 Introduction to Graduate Education and Technology (1)
(Discipline specific section required first semester of enrollment.)
- EFD 500 Research in Education (3)
- *SPE 500 Survey Course in Special Education (3)
(Students who have not previously satisfied the special education requirement at the undergraduate or graduate level must take SPE 500.)

Choose *one* from the following:

- EFD 502 Curriculum Development (3)
- EFD 531 Philosophy of Education (3)
- EFD 532 Social Foundations of Education (3)
- EFD 560 Psychological Principles of Learning (3)
- EFD 594 Seminar in Contemporary Education (3)

Instructional Technology Courses (3 semester hours):

- EIM 504 Current and Emerging Instructional Technologies (3)

Library Media Courses (27 semester hours):

- LM 510 Library Media Programs (3)
- LM 511 Collection Development (3)
- LM 512 Children and Young Adult Literature (3)
- LM 513 Management of Media Centers (3)
- LM 514 Classification and Cataloging of Media (3)
- LM 515 Internship in Media Services (3)
- LM 520 Reference Materials (3)
- LM 550 Technology in Media Centers (3)
- LM 555 Instructional Design (3)

34-37* Graduate Semester Hours Required for this Degree

Notes:

Admission to this program requires fourth-year (bachelor's) teacher certification in any area of education.

Completion of this program leads to eligibility for fifth-year (master's) teacher certification in library media (P-12).

Successful completion of the appropriate Praxis II examination is required prior to Internship, LM 515.

Experience verification from the applicant's school system or systems showing two years of teaching experience is required prior to graduation from the program.

Students in this program are required to purchase College LiveText. College LiveText Education Solutions is a complete development, management, and assessment solution specifically designed for colleges and universities. Additional information on College LiveText can be obtained at <http://www.livetext.com>.

**MASTER OF SCIENCE IN EDUCATION
MAJOR: PHYSICAL EDUCATION
CONCENTRATION: P-12 TEACHER EDUCATION**

Core Requirements (18 semester hours):

HPE 500	Foundations of Wellness & Sport (3)
HPE 508	Research in Wellness & Sport (3)
HPE 537	Issues in Wellness & Sport (3)
HPE 555	Advanced Anaerobic Physiology (3)
HPE 556	Advanced Aerobic Physiology (3)
HPE 575	Physical Fitness & Wellness (3)

P-12 Teacher Education Concentration (19-22 semester hours):

ED 500	Introduction to Graduate Education and Technology (1) (Discipline specific section required first semester of enrollment.)
EIM 503	Computer Based Instructional Technologies (3)
HPE 510	Physical Education Curriculum (3)
HPE 515	Assessment in HPE (3)
HPE 520	Best Practices in PE (3)
HPE 540	Law & Ethics in PE and Sport Management (3)
*SPE 500	Survey Course in Special Education (3) (Students who have not previously satisfied the special education requirement at the undergraduate or graduate level must take SPE 500.)

34-37* Graduate Semester Hours Required for this Degree

Notes:

Admission to this program requires clear and renewable teacher certification (Class B certification) in physical education from an accredited institution. Completion of this program leads to eligibility for fifth-year (Alabama Class A) teacher certification in physical education (P-12).

The MS.Ed. with a major in physical education and a concentration in P-12 Teacher Education is a two-year online program. It may be possible to complete the program requirements in less than two years depending on the frequency of course offerings.

Students in this program are required to purchase College LiveText. College LiveText Education Solutions is a complete development, management, and assessment solution specifically designed for colleges and universities. Additional information on College LiveText can be obtained at <http://www.livetext.com>.

MASTER OF SCIENCE IN EDUCATION
MAJOR: PHYSICAL EDUCATION
CONCENTRATION: HUMAN PERFORMANCE (non-teacher certification)

Core Requirements (18 semester hours):

HPE 500	Foundations of Wellness & Sport (3)
HPE 508	Research in Wellness & Sport (3)
HPE 537	Issues in Wellness & Sport (3)
HPE 555	Advanced Anaerobic Physiology (3)
HPE 556	Advanced Aerobic Physiology (3)
HPE 575	Physical Fitness & Wellness (3)

Human Performance Concentration (15 semester hours):

HPE 531	Cardiopulmonary Physiology (3)
HPE 539	Diet and Performance (3)
HPE 583	Perceptual Motor Development (3)
FCS 537	Advanced Nutrition Assessment (3)
Or	
FCS 538	Critical Issues in Nutrition and Food Science (3)
HPE 590	Directed Study (3)

33 Graduate Semester Hours Required for this Degree

Notes:

Admission to this program requires completion of a fourth-year (Bachelors) degree in Exercise Science or a closely related field.

The graduate concentration in Human Performance is designed to prepare students for advanced study in exercise physiology and future employment in strength and conditioning, adult fitness and wellness and corporate fitness. Special attention is also given to knowledge and skills necessary for certification (Certified Strength and Conditioning Specialist) and American College Sports Medicine certifications (e.g., Personal Trainer, Health/Fitness Specialist). The Human Performance program prepares graduates for interaction with both healthy populations and populations that are affected by chronic diseases (e.g., CVD, Diabetes) and the functional changes that occur during exercise with these populations.

**MASTER OF SCIENCE IN EDUCATION
MAJOR: PHYSICAL EDUCATION
CONCENTRATION: NUTRITION(non-teacher certification)**

Core Requirements (18 semester hours):

HPE 500	Foundations of Wellness & Sport (3)
HPE 508	Research in Wellness & Sport (3)
HPE 537	Issues in Wellness & Sport (3)
HPE 555	Advanced Anaerobic Physiology (3)
HPE 556	Advanced Aerobic Physiology (3)
HPE 575	Physical Fitness & Wellness (3)

Nutrition Concentration (15 semester hours):

HPE 531	Cardiopulmonary Physiology (3)
HPE 539	Diet and Performance (3)
FCS 536	Advanced Nutrition Therapy
FCS 537	Advanced Methods of Nutritional Assessment (3)
Or	
FCS 538	Critical Issues in Nutrition and Food Science (3)
HPE 590	Directed Study (3)

33 Graduate Semester Hours Required for this Degree

Notes:

Admission to this program requires completion of a fourth-year (Bachelors) degree in Exercise Science, Nutrition, or a closely related field.

The graduate concentration in Nutrition at Jacksonville State University is designed to prepare students for advanced study in nutrition and future employment in the field of nutrition and related careers in wellness and corporate fitness. Special attention is also given to knowledge and skills necessary for students preparing for the ISSN Certified sport Nutrition exam and potentially preparing for a program leading to becoming a Registered Dietitian. The Nutrition program prepares graduates for interaction with both healthy active populations and populations that are affected by chronic diseases (e.g., CVD, Diabetes) and the impact of nutritional interventions in these populations.

**MASTER OF SCIENCE IN EDUCATION
MAJOR: READING SPECIALIST (P-12)**

Core Requirements (10-13 semester hours):

- ED 500 Introduction to Graduate Education and Technology (1)
(Discipline specific section required first semester of enrollment.)
- EED 522 Assessment in Elementary Education (3)
- EFD 500 Research in Education (3)
- EFD 560 Psychological Principles of Learning (3)
- *SPE 500 Survey of Special Education (3)
(Students who have not previously satisfied the special education requirement at the undergraduate or graduate level must take SPE 500.)

Teaching Field Requirements (24 semester hours):

- RDG 538 Teaching Reading in ECE (3)
- RDG 542 Teaching Reading (3)
- RDG 545 Teaching Language Arts (3)
- RDG 567 Literacy Theory and Practice (3)
- RDG 572 Assessment and Diagnosis in Reading (3)
- RDG 573 Intervention Strategies for Reading Instruction (3)
- RDG 574 Practicum for Teachers of Reading (3)
- RDG 575 Internship in Organization and Supervision of Reading Programs (3)

34-37* Graduate Semester Hours Required for this Degree

Notes:

Admission to this program requires a fourth-year (bachelor's) level teaching certificate. Students who hold a certificate in areas other than early childhood education, elementary education, or special education must complete two undergraduate reading courses of which one must be an introductory reading course.

Completion of this program leads to eligibility for fifth-year (master's level) teacher certification in reading specialist (P-12).

Successful completion of the appropriate Praxis II examination is required before taking Practicum, RDG 574.

Experience verification from the applicant's school system or systems showing two years of teaching experience is required prior to enrollment in classes.

Students in this program are required to purchase College LiveText. College LiveText Education Solutions is a complete development, management, and assessment solution specifically designed for colleges and universities. Additional information on College LiveText can be obtained at <http://www.livetext.com>.

**MASTER OF SCIENCE IN EDUCATION
MAJOR: SECONDARY EDUCATION
TEACHING FIELD: BIOLOGY (6-12)**

Core Requirements (19-22 semester hours):

- ED 500 Introduction to Graduate Education and Technology (1)
(Discipline specific section required first semester of enrollment.)
- ED 502 Curriculum Development (3)
- EFD 560 Psychological Principles of Learning (3)
- ESE 500 Research and Statistics in Secondary Education (3)
- ESE 567 Literacy Theory and Practice (3)
- ESE 573 Critical Inquiry in Biology and General Science (3)
- *SPE 500 Survey Course in Special Education (3)
(Students who have not previously satisfied the special education requirement at the undergraduate or graduate level must take SPE 500.)

Choose *one* from the following:

- EFD 531 Philosophy of Education (3)
- EFD 532 Social Foundations of Education (3)
- EAD 564 Law and Politics of Education (3)

Teaching Field Requirements (12 semester hours):

By faculty advisement, select 12 graduate semester hours in biology or marine biology. At least 6 of the 12 semester hours selected must be numbered at the 500 level.

***Elective (3 semester hours):**

By faculty advisement, 3 graduate semester hours of electives must be selected from courses numbered at the 400G or 500 levels.

34-37 Graduate Semester Hours Required for this Degree

Notes:

Admission to this program requires fourth-year (bachelor's) teaching certification in biology or general science.

Completion of this program leads to eligibility for fifth-year (master's) teacher certification in biology (6-12). **Students who hold a current certificate in General Science must pass the appropriate Praxis II exam for Biology prior to certification application for the Class A certificate in Biology.**

This major requires a minimum GPA of 3.0 in the course work in the teaching field. Transfer credit cannot be used to raise the GPA in this teaching field course work to the required 3.0.

Students in this program are required to purchase College LiveText. College LiveText Education Solutions is a complete development, management, and assessment solution specifically designed for colleges and universities. Additional information on College LiveText can be obtained at <http://www.livetext.com>.

MASTER OF SCIENCE IN EDUCATION
MAJOR: SECONDARY EDUCATION
TEACHING FIELD: BUSINESS MARKETING EDUCATION (6-12)

Core Requirements (19-22 semester hours):

ED 500 Introduction to Graduate Education and Technology (1)
(Discipline specific section required first semester of enrollment.)
EFD 502 Curriculum Development (3)
EFD 560 Psychological Principles of Learning (3)
ESE 500 Research and Statistics in Secondary Education (3)
ESE 567 Literacy Theory and Practice (3)
MFG 511 Manufacturing Comp./Info. Systems (3)
*SPE 500 Survey Course in Special Education (3)
(Students who have not previously satisfied the special education requirement at the undergraduate or graduate level must take SPE 500.)

Choose *one* from the following:

EFD 531 Philosophy of Education (3)
EFD 532 Social Foundations of Education (3)
EAD 564 Law and Politics (3)

Teaching Field Requirements (12 semester hours):

BA 501 Organizational Communication (3)
ACC 512 Accounting Information Analysis (3)
MKT 513 Marketing Administration (3)
EC 515 Managerial Economics (3)
OR
FIN 515 Financial Management (3)

Elective (3 semester hours):

By faculty advisement, 3 graduate semester hours of electives must be selected from courses numbered at the 400G or 500 levels.

34-37 Graduate Semester Hours Required for this Degree

Notes:

Admission to this program requires a fourth-year (bachelor's) teaching certificate in Business Marketing Education.

Completion of this program leads to eligibility for fifth-year (master's) teacher certification in Business Marketing Education.

This major requires a minimum GPA of 3.0 in the course work in the teaching field. Transfer credit cannot be used to raise the GPA in this teaching field course work to the required 3.0.

Students in this program are required to purchase College LiveText. College LiveText Education Solutions is a complete development, management, and assessment solution specifically designed for colleges and universities. Additional information on College LiveText can be obtained at <http://www.livetext.com>.

**MASTER OF SCIENCE IN EDUCATION
MAJOR: SECONDARY EDUCATION
TEACHING FIELD: ENGLISH LANGUAGE ARTS (6-12)**

Core Requirements (19-22 semester hours):

- | | |
|----------|--|
| ED 500 | Introduction to Graduate Education and Technology (1) |
| EFD 502 | Curriculum Development (3)
(Discipline specific section required first semester of enrollment.) |
| EFD 560 | Psychological Principles of Learning (3) |
| ESE 500 | Research and Statistics in Secondary Education (3) |
| ESE 567 | Literacy Theory and Practice (3) |
| ESE 572 | Critical Inquiry in English Language Arts (3) |
| *SPE 500 | Survey Course in Special Education (3)
(Students who have not previously satisfied the special education requirement at the undergraduate or graduate level must take SPE 500.) |

Choose one from the following:

- | | |
|---------|-------------------------------------|
| EFD 531 | Philosophy of Education (3) |
| EFD 532 | Social Foundations of Education (3) |
| EAD 564 | Law and Politics of Education (3) |

Teaching Field Requirements (12 semester hours):

By faculty advisement, select 12 graduate semester hours in English Language Arts to include at least one course from two of the following areas: speech, drama, or communication. At least 6 of the 12 semester hours selected must be numbered at the 500 level.

***Elective (3 semester hours):**

By faculty advisement, 3 graduate semester hours of electives must be selected from courses numbered at the 400G or 500 levels.

34-37 Graduate Semester Hours Required for this Degree**Notes:**

Admission to this program requires a fourth-year (bachelor's) teaching certificate in English or English Language Arts.

Completion of this program leads to eligibility for fifth-year (master's) teacher certification in English Language Arts.

This major requires a minimum GPA of 3.0 in the course work in the teaching field. Transfer credit cannot be used to raise the GPA in this teaching field course work to the required 3.0.

Students in this program are required to purchase College LiveText. College LiveText Education Solutions is a complete development, management, and assessment solution specifically designed for colleges and universities. Additional information on College LiveText can be obtained at <http://www.livetext.com>.

**MASTER OF SCIENCE IN EDUCATION
MAJOR: SECONDARY EDUCATION
TEACHING FIELD: FAMILY AND CONSUMER SCIENCES (6-12)**

Core Requirements (19-22 semester hours):

- ED 500 Introduction to Graduate Education and Technology (1)
(Discipline specific section required first semester of enrollment.)
- EFD 502 Curriculum Development (3)
- EFD 560 Psychological Principles of Learning (3)
- ESE 500 Research and Statistics in Secondary Education (3)
- ESE 567 Literacy Theory and Practice (3)
- FCS 560 Advanced Methods for Teaching Family and
Consumer Sciences (3)
- *SPE 500 Survey Course in Special Education (3)
(Students who have not previously satisfied the special
education requirement at the undergraduate or graduate level
must take SPE 500.)

Choose *One* from the following:

- EFD 531 Philosophy of Education (3)
- EFD 532 Social Foundations of Education (3)
- EAD 564 Law and Politics of Education (3)

Teaching Field Requirements (12 semester hours):

- FCS 500 History & Philosophy of Family & Consumer Sciences (3)
- FCS 526 Contemporary Issues in Textiles and Fashion (3)
- FCS 538 Critical Issues in Nutrition and Food Sciences (3)
- FCS 552 Advanced Human Development and Family Relations (3)

***Elective: (3 semester hours):**

By faculty advisement, 3 graduate hours of electives must be selected from courses numbered at the 400 or 500 levels.

34-37 Graduate Semester Hours Required for this Degree**Notes:**

Admission to this program requires fourth-year (bachelor's) teacher certification in family and consumer sciences.

Completion of this program leads to eligibility for fifth-year (master's) teacher certification family and consumer science.

This major requires a minimum GPA of 3.0 in the course work in the teaching field. Transfer credit cannot be used to raise the GPA in this teaching field course work to the required 3.0.

Students in this program are required to purchase College LiveText. College LiveText Education Solutions is a complete development, management, and assessment solution specifically designed for colleges and universities. Additional information on College LiveText can be obtained at <http://www.livetext.com>.

**MASTER OF SCIENCE IN EDUCATION
MAJOR: SECONDARY EDUCATION
TEACHING FIELD: GENERAL SCIENCE (6-12)**

Core Requirements (19-22 semester hours):

- ED 500 Introduction to Graduate Education and Technology (1)
(Discipline specific section required first semester of enrollment.)
- EFD 502 Curriculum Development (3)
- EFD 560 Psychological Principles of Learning (3)
- ESE 500 Research and Statistics in Secondary Education (3)
- ESE 567 Literacy Theory and Practice (3)
- ESE 573 Critical Inquiry in Biology and General Science (3)
- *SPE 500 Survey Course in Special Education (3)
(Students who have not previously satisfied the special education requirement at the undergraduate or graduate level must take SPE 500.)

Choose *one* from the following:

- EFD 531 Philosophy of Education (3)
- EFD 532 Social Foundations of Education (3)
- EAD 564 Law and Politics of Education (3)

Teaching Field Requirements (12 semester hours):

By faculty advisement, select 12 graduate semester hours in general science to include at least one course from two of the following areas: biology, marine biology, chemistry, Earth & space science, or physics. For Earth & space science courses, see course descriptions in the geography section of this *Bulletin*. At least 6 of the 12 semester hours selected must be numbered at the 500 level.

***Elective (3 semester hours):**

By faculty advisement, 3 graduate semester hours of electives must be selected from courses numbered at the 400G or 500 levels.

34-37 Graduate Semester Hours Required for this Degree

Notes:

Admission to this program requires a fourth-year (bachelor's) teaching certificate in general science.

Completion of this program leads to eligibility for fifth-year (master's) teacher certification in general science (6-12).

This major requires a minimum GPA of 3.0 in the course work in the teaching field. Transfer credit cannot be used to raise the GPA in this teaching field course work to the required 3.0.

Students in this program are required to purchase College LiveText. College LiveText Education Solutions is a complete development, management, and assessment solution specifically designed for colleges and universities. Additional information on College LiveText can be obtained at <http://www.livetext.com>.

**MASTER OF SCIENCE IN EDUCATION
MAJOR: SECONDARY EDUCATION
TEACHING FIELD: HISTORY (6-12)**

Core Requirements (19-22 semester hours):

- ED 500 Introduction to Graduate Education and Technology (1)
(Discipline specific section required first semester of enrollment.)
- EFD 502 Curriculum Development (3)
- EFD 560 Psychological Principles of Learning (3)
- ESE 500 Research and Statistics in Secondary Education (3)
- ESE 567 Literacy Theory and Practice (3)
- ESE 571 Critical Inquiry in History and Social Science (3)
- *SPE 500 Survey Course in Special Education (3)
(Students who have not previously satisfied the special education requirement at the undergraduate or graduate level must take SPE 500.)

Choose *one* from the following:

- EFD 531 Philosophy of Education (3)
- EFD 532 Social Foundations of Education (3)
- EAD 564 Law and Politics of Education (3)

Teaching Field Requirements (12 semester hours):

By faculty advisement, select 12 graduate semester hours in history. At least 6 of the 12 semester hours selected must be numbered at the 500 level.

***Elective (3 semester hours):**

By faculty advisement, 3 graduate semester hours of electives must be selected from courses numbered at the 400G or 500 levels.

34-37 Graduate Semester Hours Required for this Degree

Notes:

Admission to this program requires a fourth-year (bachelor's) teaching certificate in history or social science.

Completion of this program leads to eligibility for fifth-year (master's) teacher certification in history. **Students who hold a current certificate in Social Sciences must pass the appropriate Praxis II exam for World and US History prior to certification application for the Class A certificate in History.**

This major requires a minimum GPA of 3.0 in the course work in the teaching field. Transfer credit cannot be used to raise the GPA in this teaching field course work to the required 3.0.

Students in this program are required to purchase College LiveText. College LiveText Education Solutions is a complete development, management, and assessment solution specifically designed for colleges and universities. Additional information on College LiveText can be obtained at <http://www.livetext.com>.

**MASTER OF SCIENCE IN EDUCATION
MAJOR: SECONDARY EDUCATION
TEACHING FIELD: MATHEMATICS (6-12)**

Core Requirements (19-22 semester hours):

ED 500	Introduction to Graduate Education and Technology (1) (Discipline specific section required first semester of enrollment.)
EFD 502	Curriculum Development (3)
EFD 560	Psychological Principles of Learning (3)
ESE 500	Research and Statistics in Secondary Education (3)
ESE 567	Literacy Theory and Practice (3)
ESE 570	Critical Inquiry in Mathematics (3)
*SPE 500	Survey Course in Special Education (3) (Students who have not previously satisfied the special education requirement at the undergraduate or graduate level must take SPE 500.)

Choose *one* from the following:

EFD 531	Philosophy of Education (3)
EFD 532	Social Foundations of Education (3)
EAD 564	Law and Politics of Education (3)

Teaching Field Requirements (12 semester hours):

By faculty advisement, select 12 graduate semester hours in mathematics. At least 6 of the 12 semester hours selected must be numbered at the 500 level.

***Elective (3 semester hours):**

By faculty advisement, 3 graduate semester hours of electives must be selected from courses numbered at the 400G or 500 levels.

34-37 Graduate Semester Hours Required for this Degree

Notes:

Admission to this program requires a fourth-year (bachelor's) teaching certificate in mathematics.

Completion of this program leads to eligibility for fifth-year (master's) teacher certification in mathematics.

This major requires a minimum GPA of 3.0 in the course work in the teaching field. Transfer credit cannot be used to raise the GPA in this teaching field course work to the required 3.0.

Students in this program are required to purchase College LiveText. College LiveText Education Solutions is a complete development, management, and assessment solution specifically designed for colleges and universities. Additional information on College LiveText can be obtained at <http://www.livetext.com>.

**MASTER OF SCIENCE IN EDUCATION
MAJOR: SECONDARY EDUCATION
TEACHING FIELD: SOCIAL SCIENCE (6-12)**

Core Requirements (19-22 semester hours):

- ED 500 Introduction to Graduate Education and Technology (1)
(Discipline specific section required first semester of enrollment.)
- EFD 502 Curriculum Development (3)
- EFD 560 Psychological Principles of Learning (3)
- ESE 500 Research and Statistics in Secondary Education (3)
- ESE 567 Literacy Theory and Practice (3)
- ESE 571 Critical Inquiry in History and Social Science (3)
- *SPE 500 Survey Course in Special Education (3)
(Students who have not previously satisfied the special education requirement at the undergraduate or graduate level must take SPE 500.)

Choose one from the following:

- EFD 531 Philosophy of Education (3)
- EFD 532 Social Foundations of Education (3)
- EAD 564 Law and Politics of Education (3)

Teaching Field Requirements (12 semester hours):

By faculty advisement, select 12 graduate semester hours in social science to include at least one course from two of the following areas: economics, geography, history, political science, or psychology. At least 6 of the 12 semester hours selected must be numbered at the 500 level.

***Elective (3 semester hours):**

By faculty advisement, 3 graduate semester hours of electives must be selected from courses numbered at the 400G or 500 levels.

34-37 Graduate Semester Hours Required for this Degree

Notes:

Admission to this program requires fourth-year (bachelor's) teaching certificate in social science.

Completion of this program leads to eligibility for fifth-year (master's) teacher certification social science.

This major requires a minimum GPA of 3.0 in the course work in the teaching field. Transfer credit cannot be used to raise the GPA in this teaching field course work to the required 3.0.

Students in this program are required to purchase College LiveText. College LiveText Education Solutions is a complete development, management, and assessment solution specifically designed for colleges and universities. Additional information on College LiveText can be obtained at <http://www.livetext.com>.

MASTER OF SCIENCE MAJOR: SPORT MANAGEMENT

The chief objective of the Master of Science (MS) with a major in Sport Management is to provide students with the knowledge, skills, and abilities required to meet the demands of the job market in the sport industry. Students may enroll in the teacher certification concentration or the non-teacher certification concentration. Deadline dates for application and receipt of all required application materials for the sport management degree are: **November 1 for spring semester admission, April 1 for summer admission, and July 1 for fall semester admission.**

APPLICATION PROCEDURES FOR THE MS WITH A MAJOR IN SPORT MANAGEMENT

All of the following documents must be submitted to the College of Graduate Studies, Jacksonville State University, 700 Pelham Road North, Jacksonville, Alabama 36265-1602, to be considered for admission:

1. Completed JSU Graduate Application for Admission (<http://www.jsu.edu/graduate/grad.app.html>)
2. Non-refundable \$30 application processing fee
3. Official transcript(s) from all postsecondary institutions attended. (Students who have previously attended JSU do not need to request a transcript from the University)
4. Official test scores on the GRE or the MAT (please refer to page 18 of this *Bulletin*) taken within five years of enrollment
5. Three "Graduate Reference Forms" completed by individuals who can provide qualitative assessment of the applicant's potential for success in graduate course work. This form is available in the office of the College of Graduate Studies or online at <http://www.jsu.edu/graduate/forms/html> or www.jsu.edu/graduate/docs/ref.form.pdf.
6. A copy of the applicant's teaching certificate. In order to be admitted to the Class A Teacher Certification concentration, applicants need to possess a valid and renewable fourth-year bachelor's level teaching certificate in any area of education
7. A professional curriculum vita or resume
8. A letter of application explaining the applicant's interest in the field of sport management and delineating the applicant's career goals.
9. If English is not the applicant's native language, the applicant is required to submit an official TOEFL score report or an IELTS score report (please refer to page 28 of this Bulletin).

ADMISSION REQUIREMENTS FOR THE MS WITH A MAJOR IN SPORT MANAGEMENT

Applicants who meet the general admission requirements to the College of Graduate Studies are eligible for admission to the MS with a major in sport management. A particular undergraduate major is not specified for admission to this program.

Applicants must meet one the of the following admission formula requirements. For purposes of computing the undergraduate GPA, a 4.0 grade-point scale is used. The plus (+) and minus (-) grades from undergraduate transcripts are not used in calculating the GPA.

Unconditional Admission

450 times the undergraduate GPA on the initial undergraduate degree plus total score of verbal and quantitative measures of the General Test of the GRE is equal to or greater than a total of 2100 points;

OR

15 times the undergraduate GPA on the initial undergraduate degree plus the MAT score is equal to or greater than a total of 80 points.

The GRE or MAT must be taken within five years of enrollment.

Conditional Admission

450 times the undergraduate GPA on the initial undergraduate degree plus total score of verbal and quantitative measures of the General Test of the GRE is equal to or greater than a total of 1600 points;

OR

15 times the undergraduate GPA on the initial undergraduate degree plus the MAT score is equal to or greater than a total of 60 points.

The GRE or MAT must be taken within five years of enrollment.

Applicants who are granted conditional admission must achieve a GPA of at least 3.0 on the first 12 graduate hours attempted within a twelve-month time frame. Failure to meet these conditions will result in the student being dropped from graduate studies.

**MINIMUM REQUIREMENTS FOR THE MS
WITH A MAJOR IN SPORT MANAGEMENT**

ED	500	Introduction to Graduate Education and Technology (1) (Discipline specific section required first semester of enrollment .)
HPE	525	Current Issues and Trends in Athletics (3)
HPE	540	Law and Ethics in Physical Education and Sport Management (3)
HPE	563	Sport Finance (3)
HPE	564	Human Resources Management in Sport (3)
HPE	566	Public and Media Relations in Sport (3)
HPE	567	Sport Facility Administration and Design (3)
HPE	568	Administration of Athletics (3)
HPE	576	Sport Marketing (3)
HPE	586	Sport Promotion and Event Planning (3)
**HPE	591	Internship in Sport Management (3)
		or
HPE	592	Internship in Sport Marketing and Administration (3)
*SPE	500	Survey Course in Special Education (3) (Students who have not previously satisfied the special education requirement at the undergraduate or graduate level must take SPE 500.)

**Students pursuing the teacher certification concentration must enroll in this course.

31-34* Graduate Semester Hours Required for this Degree

Notes:

Admission to the **certification concentration** requires fourth-year bachelor's level teacher certification in some area of education.

Completion of this program leads to eligibility for fifth-year (master's) teacher certification in sport management.

Admission to the **non-certification concentration** does not require fourth-year bachelor's level teaching certification.

Students in this program are required to purchase College LiveText. College LiveText Education Solutions is a complete development, management, and assessment solution specifically designed for colleges and universities. Additional information on College LiveText can be obtained at <http://www.livetext.com>.

ALTERNATIVE FIFTH-YEAR TEACHER CERTIFICATION PROGRAM

These programs are available to students who have completed a bachelor's degree from a regionally accredited institution in a field other than teacher education or for initial certification in a second teaching field. Available teaching fields leading to the master's degree and recommendation for teacher certification are listed below.

PROGRAMS OF STUDY ALTERNATIVE FIFTH-YEAR TEACHER CERTIFICATION PROGRAM

Programs of study for the alternative fifth-year teacher certification program leading to the Master of Science in Education (MS.Ed.) or the Master of Arts (MA) with a major in music and a concentration in music education provide a detailed description of the graduate course requirements for each program. The programs of study are listed below by degree, major, and concentration:

Master of Science in Education

	<u>Page</u>
Collaborative Teacher/Special Education (K-6)	162
Collaborative Teacher/Special Education (6-12)	163
Early Childhood Education	164-165
Elementary Education.....	166-167
Physical Education	168
Secondary Education Teaching Fields	
Biology	169-170
Business Marketing Education.....	171-172
English Language Arts.....	173-174
Family and Consumer Sciences	175-176
General Science.....	177-178
History	179-180
Mathematics.....	181-182
Social Science	183-184

Master of Arts with a Major in Music

Music Education/Instrumental	185-186
Music Education/Vocal-Choral	187-188

Descriptions of the courses listed in the programs of study are found in the Description of Education Courses section of this *Bulletin*.

APPLICATION MATERIALS REQUIRED FOR ALTERNATIVE FIFTH-YEAR TEACHER CERTIFICATION PROGRAMS

Applicants for the alternative fifth-year teacher certification programs must submit the following documentation to the College of Graduate Studies, Jacksonville State University, 700 Pelham Road North, Jacksonville, Alabama 36265-1602, to be considered for admission. Additional admission criteria can be found in each individual program section:

1. Completed JSU Graduate Application for Admission (http://www.jsu.edu/graduate/grad_app.html)
2. Non-refundable \$30.00 application processing fee
3. **Two (2)** official transcripts from all postsecondary institutions attended. One copy is retained in your JSU file and the second copy is forwarded to the State Department of Education for issuance of certification. (Students who have previously attended JSU do not need to request a transcript from the University.)
4. Background check. Any candidate applying for admission to a state-approved teacher education program shall be required to be fingerprinted for a criminal history background check through the Alabama State Department of Education to the Alabama Bureau of Investigation (ABI) and the Federal Bureau of Investigation (FBI). Applicants should contact Cogent Systems at www.cogentid.com/alabama for directions in completing this process.
5. Official test scores on the General Test of the GRE or the MAT (please refer to page 16 of this *Bulletin*).
6. Three "Graduate Reference Forms" completed by individuals who can provide qualitative assessment of the applicant's potential for success in graduate course work. This form is available in the office of the College of Graduate Studies or online at <http://www.jsu.edu/graduate/forms.html> or http://www.jsu.edu/graduate/docs/ref_form.pdf.
7. If English is not the applicant's native language, the applicant is required to submit an official TOEFL score report, an IELTS score report, or a PTE score report (please refer to page 28 of this *Bulletin*).

ADMISSION REQUIREMENTS FOR THE ALTERNATIVE FIFTH-YEAR TEACHER CERTIFICATION PROGRAMS

Applicants for the alternative fifth-year program must meet one of the following formula requirements. For purposes of computing the undergraduate GPA, a 4.0 GPA is used. The plus (+) and the minus (-) grades from undergraduate transcripts are not used in calculating the GPA.

Unconditional:

450 times the graduate GPA plus the total score of verbal and quantitative sections of the General Test of the GRE is equal to or greater than a total of 2100 points.

OR

15 times the graduate GPA plus the MAT score is equal to or greater than a total of 80 points.

Conditional:

Any applicant who fail to meet the requirements for unconditional admission must meet one of the following conditional formula requirement:

450 times the graduate GPA plus the total score of verbal and quantitative sections of the General Test of the GRE is equal to or greater than a total of 1600 points (currently reviewed and recommended by the graduate faculty in the applicant's major and approved by the Dean of the College of Graduate Studies).

OR

15 times the graduate GPA plus the MAT score is equal to or greater than a total of 60 points (currently reviewed and recommended by the graduate faculty in the applicant's major and approved by the Dean of the College of Graduate Studies).

Applicants who are granted conditional admission must achieve a GPA of a 3.0 for all programs on the first 12 graduate hours attempted. Failure to meet these conditions will result in the student being dropped from Graduate Studies.

Applicants for the alternative fifth-year program must meet additional admission requirements listed below:

1. Hold a GPA of 2.50 overall in a degree program prior to enrollment in this program. This GPA must be documented on the official transcript of the degree-granting institution and must be the GPA that was used as the basis for granting the degree.
2. Students may complete no more than 12 hours of graduate course work prior to removal of all undergraduate deficiencies. (See undergraduate course listings on each program of study.)

3. Contact the Teacher Service Center at (256)782-5574 for an individual evaluation concerning undergraduate deficiencies and admission requirements prior to registration for classes in this program.

If, at any time, a student wishes to change from one alternative fifth-year major or teaching field to another, the student must contact the Teacher Service Center for an evaluation concerning undergraduate deficiencies for the newly selected major or teaching field, and the College of Graduate Studies must also be notified. The student must meet the admission and program requirements for the newly selected major or teaching field as specified in the *Bulletin* current at the time the student is changing. Students not enrolled for a one year period must be re-evaluated by the Teacher Service Center and must meet the admission and program requirements for the major or teaching field as specified in the *Bulletin* current at the time of the re-evaluation.

INTERNSHIP ELIGIBILITY REQUIREMENTS FOR ALTERNATIVE FIFTH-YEAR TEACHER CERTIFICATION PROGRAM

Students are required to make formal application for the internship semester. In order to accommodate students with appropriate clinical settings, the following priority dates for applications have been established: **April 1 for the following Fall Semester and October 1 for the following Spring Semester.**

Please note that student teaching is offered only in the Fall and Spring Semesters and must be taken the last semester before graduation. Also, all alternative fifth-year students will have certain obligations at JSU during the internship semester. Alternative fifth-year interns will be required to attend scheduled seminars, which will be held on the main JSU campus.

The seminars are designed to complement the pre-service teaching experience in order to provide an opportunity for reflection, professional growth, and exchanging of ideas. Application forms are available in the Office of Clinical Experiences, 311 Ramona Wood Hall.

Eligibility requirements for the internship semester:

1. The student must be fully admitted to the alternative fifth-year program.
2. The internship semester is to be completed during the student's last semester of residence at JSU.
3. The student must have completed all courses, including teaching field courses.
4. The student must possess a graduate 3.0 GPA in each of the following areas:
 - a. All graduate hours to meet the alternative fifth-year program requirements.
 - b. All graduate hours in the teaching field to meet the alternative fifth-year program requirements.
 - c. All graduate hours in professional education courses to meet the alternative fifth-year program requirements.

5. The internship is a stand-alone experience. The pre-service teacher shall not be enrolled in other courses during the normal operational hours of the schools where the internship is being completed.
6. The student will be required to take and pass the appropriate Praxis II examination. A list of passing scores may be obtained at www.alsde.edu. For additional information, contact the Teacher Service Center, 256-782-5574.
7. Alternative fifth-year students planning to complete the internship while employed must supply proof of employment and appropriate certification to the Office of Clinical Experiences, 311 Ramona Wood Hall, by the priority dates.

APPLICATION REQUIREMENTS FOR INITIAL ALABAMA CERTIFICATION

1. 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. Subsequently, 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 certification, a student must complete an appropriate course of study at a College or University that has been approved by the State Board of Education to offer a program leading to the desired certificate. When a student completes the course of study, the institution recommends to the State Department of Education that the appropriate certificate be issued.
2. The student, during his/her last semester of course work, is to obtain an application form for certification from the Alabama State Department of Education website (www.alsde.edu) or the Teacher Service Center, 207 Ramona Wood Hall. The appropriate fees (money order or Cashier's Check made payable to the Alabama State Department of Education), which are forwarded with the student's credits to the State Department of Education by the Teacher Service Center, should accompany the application. Upon completion of the appropriate course of study, the institution recommends to the State Department of Education that the appropriate certificate be awarded. The University cannot recommend any student for certification who has not satisfied all State and University requirements for admission to and completion of an approved program.
3. To be eligible for recommendation for a certificate, the candidate must earn a passing score on the appropriate Praxis II examination, and a written comprehensive examination that covers the content of the teaching field(s) and professional education.
4. No grade below "C" in professional studies or teaching field may be used to meet certification requirements.
5. Recommendation for certification must be made within five years of program completion. Recommendation after five years requires completion of a current program.

**ALTERNATIVE FIFTH-YEAR PROGRAM
MASTER OF SCIENCE IN EDUCATION
MAJOR: COLLABORATIVE TEACHER/SPECIAL EDUCATION (K-6)**

Core Requirements (24 semester hours):

EED 542	Teaching Reading (3) (Prerequisite: EED 342 or EED 338)
EFD 500	Research in Education (3)
SPE 517	Methods: Mild to Moderate Disabilities (3)
SPE 522	Assessment of Special Populations (3)
SPE 554	Medical, Legal, and Ethical Aspects of SPE (3)
SPE 581	Practicum in Disabilities of Learning and Behavior, K-6 (3)
*ED 595	Internship in Education (3)
ED 596	Reflective Practices in Education (3) (Must be taken concurrently with ED 595.)

Teaching Field Requirements (15 semester hours):

SPE 505	Functional Communication (3)
SPE 516	Characteristics of Mild to Moderate Disabilities (3)
SPE 524	Methods of Strategies for Learning and Behavior (3)
SPE 533	Applied Behavior Analysis (3)
SPE 534	Assessment and Classroom Management (3)
SPE 560	Characteristics of Severe Disabilities (3)
SPE 561	Research and Practices: Severe Disabilities K-6 (3)
SPE 500	Survey Course in Special Education (3) (Required for students who have not previously met the special education requirement)

* ED 595, Internship in Education, is equivalent to undergraduate student teaching and requires a semester long internship in the public schools. This must be scheduled during the last semester of course work.

45 Graduate Semester Hours Required for this Degree

Undergraduate Requirements: 34-38 hours of undergraduate course work to include the following:

ED 300	Introduction to Teacher Education (2)
EED 342	Teaching Reading (3)
EIM 300	Introduction to Educational Technology (2)

Plus 3-4 approved courses of science and 4 approved courses of math.

**79-83 Total Undergraduate and Graduate Semester Hours
Required for this Degree**

Notes:

Students must meet admission requirements for the alternative fifth-year teacher certification program.

Completion of this program leads to eligibility for fifth-year (master's) teacher certification in collaborative teacher/special education (K-6).

Successful completion of the appropriate Praxis II examination is required prior to internship for all alternative fifth-year programs.

The Alabama State Board of Education now permits a student to take the Praxis II exam and attain an established minimum score in the student's expected teaching field. The acceptable score on the Praxis II must be received before the student in the Alternative Fifth Year programs begins graduate coursework.

**ALTERNATIVE FIFTH-YEAR PROGRAM
MASTER OF SCIENCE IN EDUCATION
MAJOR: COLLABORATIVE TEACHER/SPECIAL EDUCATION (6-12)**

Core Requirements (24 semester hours):

- ESE 567 Improvement in Reading in Secondary Schools (3)
(Prerequisite: ESE 383)
- EFD 500 Research in Education (3)
- SPE 518 Methods: Mild to Moderate Disabilities 6-12(3)
- SPE 522 Assessment of Special Populations (3)
- SPE 554 Medical, Legal, and Ethical Aspects of SPE (3)
- SPE 582 Practicum in Mild to Moderate Disabilities 6-12 (3)
- *ED 595 Internship in Education (3)
- ED 596 Reflective Practices in Education (3)
(Must be taken concurrently with ED 595.)

Teaching Field Requirements (15 semester hours):

- ESE 505 Education Methods, Assessment & Technology in Secondary Ed (3)
- SPE 516 Characteristics of Mild to Moderate Disabilities (3)
- SPE 524 Methods of Strategies for Learning and Behavior (3)
- SPE 533 Applied Behavior Analysis (3)
- SPE 534 Assessment and Classroom Management (3)
- SPE 560 Characteristics of Severe Disabilities (3)
- SPE 562 Research and Practices: Severe Disabilities 6-12 (3)
- SPE 500 Survey Course in Special Education (3)
(Required for students who have not previously met the special education requirement)

* ED 595, Internship in Education, is equivalent to undergraduate student teaching and requires a semester long internship in the public schools. This must be scheduled during the last semester of course work.

45 Graduate Semester Hours Required for this Degree

Undergraduate Requirements: 34-38 hours of undergraduate course work to include the following:

- ED 300 Introduction to Teacher Education (2)
 - EIM 300 Introduction to Educational Technology (2)
 - ESE 383 Content Literacy (3)
- Plus 3-4 approved courses of science and 4 approved courses of math.

**79-83 Total Undergraduate and Graduate Semester Hours
Required for this Degree**

Notes:

Students must meet admission requirements for the alternative fifth-year teacher certification program.

Completion of this program leads to eligibility for fifth-year (master's) teacher certification in collaborative teacher/special education (6-12).

The Alabama State Board of Education now permits a student to take the Praxis II exam and attain an established minimum score in the student's expected teaching field. The acceptable score on the Praxis II must be received before the student in the Alternative Fifth Year programs begins graduate coursework.

**ALTERNATIVE FIFTH-YEAR PROGRAM
MASTER OF SCIENCE IN EDUCATION
MAJOR: EARLY CHILDHOOD EDUCATION (P-3)**

Required Courses (39 semester hours):

- ECE 500 Materials and Methods (3)
- ECE 501 Behavior & Development in Early Childhood (3)
- ECE 507 Assessment in Early Childhood Education (3)
- ECE 513 Individualization of Ed. for Young Children (3)
- ECE 530 Designing Programs for Young Children (3)
- ECE 532 Issues & Trends in Early Childhood Education (3)
- ECE 538 Teaching Reading in ECE (3)
- ECE 539 Teaching Writing in ECE (3)
- *ED 595 Internship in Education (3)
- ED 596 Reflective Practices in Education (3)
(Must be taken concurrently with ED 595.)
- EED 541 Teaching Mathematics (3)
(Prerequisites: approved undergraduate math courses and EED 341)
- EED 544 Teaching Science (3)
(Prerequisites: approved undergraduate science courses)
- EFD 500 Research in Education (3)

*ED 595, Internship in Education, is equivalent to undergraduate student teaching and requires a semester long internship in the public schools. This must be scheduled during the last semester of course work.

39 Graduate Semester Hours Required for this Degree

Undergraduate Requirements: 52-56 hours of undergraduate course work to include the following:

- ECE 303 Introduction to Early Childhood Education (3)
 - ECE 304 Early Literacy (3)
 - ECE 305 Creative & Mental Development (3)
 - ECE 306 Practicum in ECE (3)
 - ED 300 Introduction to Teacher Education (2)
 - EED 312 Children's Literature (3)
 - EED 341 Mathematics for Children (3)
 - EED 342 Teaching Reading (3)
 - EIM 300 Introduction to Educational Technology (2)
 - SPE 300 Survey of Exceptional Children (3)
- Plus 4 approved courses of science and 4 approved courses of math.

(The ECE Block, ECE 303, ECE 304, ECE 305, ECE 306, is to be taken intact and is only offered during the Fall and Spring Semesters.)

**91-95 Total Undergraduate and Graduate Semester Hours
Required for this Degree**

See notes on next page.

Notes:

Students must meet admission requirements for the alternative fifth-year teacher certification program.

Completion of this program leads to eligibility for fifth-year (master's) teacher certification in early childhood education (P-3)

Successful completion of the appropriate Praxis II examination is required prior to internship for all alternative fifth-year programs.

The Alabama State Board of Education now permits a student to take the Praxis II exam and attain an established minimum score in the student's expected teaching field. The acceptable score on the Praxis II must be received before the student in the Alternative Fifth Year programs begins graduate coursework.

**ALTERNATIVE FIFTH-YEAR PROGRAM
MASTER OF SCIENCE IN EDUCATION
MAJOR: ELEMENTARY EDUCATION (K-6)**

Required Courses (36 semester hours):

ECE 501	Behavior & Development in Early Childhood (3)
*ED 595	Internship in Education (3)
ED 596	Reflective Practices in Education (3) (Must be taken concurrently with ED 595.)
EED 522	Assessment in Elementary Education (3)
EED 540	Curriculum Integration in Elementary Education (3)
EED 541	Teaching Mathematics (3)
EED 542	Teaching Reading (3)
EED 543	Teaching Social Studies (3)
EED 544	Teaching Science (3)
EED 545	Teaching Language Arts (3)
EFD 500	Research in Education (3)
EFD 560	Psychological Principles of Learning (3)

*ED 595, Internship in Education, is equivalent to undergraduate student teaching and requires a semester long internship in the public schools. This must be scheduled during the last semester of course work.

36 Graduate Semester Hours Required for this Degree

Undergraduate Requirements: 55-59 hours of undergraduate course work to include the following:

ED 300	Introduction to Teacher Education (2)
EED 312	Children's Literature (3)
EED 339	Integrating Theory/Practice (3)
EED 341	Mathematics for Children (3)
EED 342	Teaching Reading (3)
EED 344	Developing Language Skills (3)
EED 362	Science for Children (3)
EED 405	Contemporary Issues in Education (3)
EED 421	Effective Teaching Strategies (3)
EIM 300	Introduction to Educational Technology (2)
SPE 300	Survey of Exceptional Children (3)

Plus 4 approved courses of science and 4 approved courses of math.

(The Literacy Block: EED 312, EED 339, EED 342, EED 344, is to be taken intact and is only offered during the Fall and Spring Semesters.)

**91-95 Total Undergraduate and Graduate Semester Hours
Required for this Degree**

See notes on next page.

Notes:

Students must meet admission requirements for the alternative fifth-year teacher certification program.

Completion of this program leads to eligibility for fifth-year (master's) teacher certification in elementary education (K-6).

Successful completion of the appropriate Praxis II examination is required prior to internship for all alternative fifth-year programs.

The Alabama State Board of Education now permits a student to take the Praxis II exam and attain an established minimum score in the student's expected teaching field. The acceptable score on the Praxis II must be received before the student in the Alternative Fifth Year programs begins graduate coursework.

**ALTERNATIVE FIFTH-YEAR PROGRAM
MASTER OF SCIENCE IN EDUCATION
MAJOR: PHYSICAL EDUCATION (P-12)**

Required Courses (33 semester hours):

EFD	560	Psychological Principles of Learning (3)
ESE	567	Literacy Theory and Practice (3)
HPE	508	Research in Physical Education (3)
HPE	510	Physical Education Curriculum (3)
HPE	515	Assessment in PE (3)
HPE	520	Best Practices in PE (3)
HPE	555	Advanced Anaerobic Physiology (3)
HPE	556	Advanced Aerobic Physiology (3)
*ED	595	Internship in Education (3)
ED	596	Reflective Practices in Education (3)
		(Must be taken concurrently with ED 595.)
**SPE	500	Survey Course in Special Education (3)

*ED 595, Internship in Education, is equivalent to undergraduate student teaching and requires a semester long internship in the public schools. This must be scheduled during the last semester of course work.

**SPE 500 Students who have not previously satisfied the special education requirement at the undergraduate or graduate level must take SPE 500.

33 Graduate Semester Hours Required for this Degree

Undergraduate Requirements: 36 semester hours of undergraduate course work in health and physical education to include the following:

ED	300	Introduction to Teacher Education (2)
BY	263	Human Anatomy and Physiology (4)
HPE	101	Introduction to HPE (2)
HPE	232	Sport Safety First Aid Training (2)
HPE	270	Methods of Teaching Individual/Dual Sports (3)
HPE	280	Methods of Teaching Team Sports (3)
HPE	290	Methods of Teaching Lifetime Activities (3)
HPE	362	Kinesiology (2)
HPE	400	Exercise Physiology (3)
*HPE	409	Methods of Teaching P-5 (3)
*HPE	410	Methods of Teaching 6-12 (3)
*HPE	411	Practicum in PE, P-12 (3)

*Students must be admitted to the teacher education program prior to enrolling in HPE 409, HPE 410, and HPE 411.

**69 Total Undergraduate and Graduate Semester Hours
Required for this Degree**

Notes:

Students must meet admission requirements for the alternative fifth-year teacher certification program.

Completion of this program leads to eligibility for fifth-year (master's) teacher certification in physical education (P-12).

Successful completion of the appropriate Praxis II examination is required prior to internship for all alternative fifth-year programs.

The Alabama State Board of Education now permits a student to take the Praxis II exam and attain an established minimum score in the student's expected teaching field. The acceptable score on the Praxis II must be received before the student in the Alternative Fifth Year programs begins graduate coursework. If a student earns the passing grade on the Praxis II required for this major, they are exempt from the following courses: BY 263 Human Anatomy and Physiology (4), HPE 232 Sport Safety First Aid Training (2), HPE 362 Kinesiology (2) and HPE 400 Exercise Physiology (3).

**ALTERNATIVE FIFTH-YEAR PROGRAM
MASTER OF SCIENCE IN EDUCATION
MAJOR: SECONDARY EDUCATION
TEACHING FIELD: BIOLOGY (6-12)**

Core Requirements (31 semester hours):

ESE 500	Research and Statistics in Secondary Education (3)
ESE 505	Education Methods, Assessment and Technology (3)
ESE 510	Secondary Practicum One and Tutoring Lab (1)
ESE 523	Methods of Teaching Biology and General Science (3)
ESE 534	Secondary Practicum Two (3)
ESE 561	Foundations of Secondary Education (3)
ESE 567	Literacy Theory and Practice (3)
ESE 573	Critical Inquiry in Biology and General Science (3)
SPE 500	Survey Course in Special Education (3)
*ED 595	Internship in Education (3)
ED 596	Reflective Practices in Education (3)

(Must be taken concurrently with ED 595.)

Teaching Field Requirement (15 semester hours):

By faculty advisement, select 15 graduate semester hours in biology or marine biology. At least half of the 15 semester hours selected must be numbered at the 500 level. A student may transfer no more than three semester hours in the teaching field. This major requires a minimum GPA of 3.0 in the course work in the teaching field. Transfer credit cannot be used to raise the GPA in this teaching field course work to the required 3.0.

*ED 595, Internship in Education, is equivalent to undergraduate student teaching and requires a semester long internship in the public schools. This must be scheduled during the last semester of course work.

46 Graduate Semester Hours Required for this Degree

Undergraduate Requirements:

ED 300	Introduction to Teacher Education (2)
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Students must have earned an undergraduate degree in biology OR complete 32 semester hours of undergraduate course work in biology with a minimum of 19 semester hours at the 300-400 levels.

Students must have the approval of their advisers in the College of Education and Professional Studies BEFORE registering for undergraduate course work required to meet the undergraduate requirements/deficiencies specified for the degree.

**48-80 Total Undergraduate and Graduate Semester Hours
Required for this Degree**

See notes on next page.

Notes:

Students must meet admission requirements for the alternative fifth-year teacher certification program.

Completion of this program leads to eligibility for fifth-year (master's) teacher certification in biology (6-12).

Successful completion of the appropriate Praxis II examination is required prior to internship for all alternative fifth-year programs.

**ALTERNATIVE FIFTH-YEAR PROGRAM
MASTER OF SCIENCE IN EDUCATION
MAJOR: SECONDARY EDUCATION**

TEACHING FIELD: BUSINESS MARKETING EDUCATION (6-12)

Core Requirements (24 semester hours):

ESE 505 Education Methods, Assessment, and Technology (3)
 ESE 500 Research and Statistics in Secondary Education (3)
 ESE 561 Foundations of Secondary Education (3)
 ESE 567 Literacy Theory and Practice (3)
 SPE 500 Survey Course in Special Education (3)
 MFG 511 Manufacturing Comp./Info. Systems (3)
 ED 595 Internship in Education (3)*
 ED 596 Internship in Education (3)
 (Must be taken concurrently with ED 595.)

Teaching Field Requirement (15 semester hours):

By faculty advisement, the following 15 graduate semester hours must be completed.

BA 501 Organizational Communication (3)
 ACC 512 Accounting Information Analysis (3)
 MKT 513 Marketing Administration (3)
 EC 515 Managerial Economics (3)
 FIN 515 Financial Management (3)

*ED 595, Internship in Education, is equivalent to undergraduate student teaching and requires a semester long internship in the public schools. This must be scheduled during the last semester of course work.

39 Graduate Semester Hours Required for this Degree

Undergraduate Requirements: 13 hours of undergraduate course work in professional studies to include the following:

ED 300 Introduction to Teacher Education (2)
 EIM 300 Introduction to Educational Technology (2)
 ESE 444 Assessment of Teaching and Learning in Secondary Schools (3)
 CTE 460 Practicum in CTE/FCS (3)
 CTE 461 Effective Teaching in CTE/FCS (3)

Students must have earned an undergraduate degree in Business, Business Administration, Marketing, Management, Accounting, Finance, or Economics OR complete 32 semester hours of approved undergraduate course work in business marketing courses with a minimum of 19 semester hours at the 300-400 level.

42-74 Total Undergraduate and Graduate Semester Hours Required for this Degree

Notes: Students must meet admission requirements for the alternative fifth-year teacher certification program. Completion of this program leads to eligibility for fifth-year (master's) teacher certification in Business Marketing Education (6-12). Successful completion of the appropriate Praxis II examination is required prior to internship for all alternative fifth-year programs.

**ALTERNATIVE FIFTH-YEAR PROGRAM
 MASTER OF SCIENCE IN EDUCATION
 MAJOR: SECONDARY EDUCATION
 TEACHING FIELD: ENGLISH LANGUAGE ARTS (6-12)**

Core Requirements (31 semester hours):

ESE 500	Research and Statistics in Secondary Education (3)
ESE 505	Education Methods, Assessment and Technology (3)
ESE 510	Secondary Practicum One and Tutoring Lab (1)
ESE 522	Methods of Teaching English Language Arts (3)
ESE 534	Secondary Practicum Two (3)
ESE 561	Foundations of Secondary Education (3)
ESE 567	Literacy Theory and Practice (3)
ESE 572	Critical Inquiry in English Language Arts (3)
SPE 500	Survey Course in Special Education (3)
*ED 595	Internship in Education (3)
ED 596	Reflective Practices in Education (3)

(Must be taken concurrently with ED 595.)

Teaching Field Requirement (15 semester hours):

By faculty advisement, select 15 graduate semester hours from the English Language Arts area to include at least one course from two of the following areas: English, speech, drama and communication. At least half of the 15 semester hours selected must be numbered at the 500 level. A student may transfer no more than three semester hours in the teaching field. This major requires a minimum GPA of 3.0 in the course work in the teaching field. Transfer credit cannot be used to raise the GPA in this teaching field course work to the required 3.0.

*ED 595, Internship in Education, is equivalent to undergraduate student teaching and requires a semester long internship in the public schools. This must be scheduled during the last semester of course work.

46 Graduate Semester Hours Required for this Degree

Undergraduate Requirements:

ED 300	Introduction to Teacher Education (2)
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Students must have earned an undergraduate degree in ONE of the following areas: English, drama, speech or communications OR complete 32 semester hours of undergraduate course work with a minimum of 19 hours at the 300-400 levels with any combination of courses from areas covered by the certification.

Continued on next page.

For the degree in the composite field of English Language Arts, additional undergraduate course work must be taken to remove undergraduate course deficiencies in related teaching fields. Deficiencies are determined with a formal evaluation of the students' transcripts.

Students must have the approval of their advisers in the College of Education and Professional Studies BEFORE registering for undergraduate course work required to satisfy the undergraduate requirements/deficiencies specified for the composite degree.

**48-80 Total Undergraduate and Graduate Semester
Hours Required for this Degree**

Notes:

Students must meet admission requirements for the alternative fifth-year teacher certification program.

Completion of this program leads to eligibility for fifth-year (master's) teacher certification in English language arts (6-12).

Successful completion of the appropriate Praxis II examination is required prior to internship for all alternative fifth-year programs.

**ALTERNATIVE FIFTH-YEAR PROGRAM
 MASTER OF SCIENCE IN EDUCATION
 MAJOR: SECONDARY EDUCATION
 TEACHING FIELD: FAMILY AND CONSUMER SCIENCES (6-12)**

Core Requirements (21 semester hours):

ESE 500	Research and Statistics in Secondary Education (3)
EFD 502	Curriculum Development (3)
ESE 561	Foundations of Secondary Education (3)
ESE 567	Literacy Theory and Practice (3)
SPE 500	Survey Course in Special Education (3)
*ED 595	Internship in Education (3)
ED 596	Reflective Practices in Education (3)
	(Must be taken concurrently with ED 595.)

Teaching Field Requirements (15 semester hours):

By faculty advisement, 15 graduate semester hours must be completed and include at least one course from each of the following areas: textiles, nutrition and food science, and human development.

FCS 500	History & Philosophy of Family & Consumer Sciences (3)
FCS 526	Contemporary Issues in Textiles and Fashion (3)
FCS 538	Critical Issues in Nutrition and Food Sciences (3)
FCS 552	Advanced Human Development and Family Relations (3)
FCS 560	Advanced Methods for Teaching Family and Consumer Sciences (3)

*ED 595, Internship in Education, is equivalent to undergraduate student teaching and requires a semester long internship in the public schools. This must be scheduled during the last semester of course work.

36 Graduate Semester Hours Required for this Degree

Undergraduate Requirements: 13 hours of undergraduate course work in professional studies to include the following:

ED 300	Introduction to Teacher Education (2)
EIM 300	Introduction to Educational Technology (2)
ESE 444	Assessment of Teaching and Learning in Secondary Schools (3)
CTE 460	Practicum in CTE/FCS (3)
CTE 461	Effective Teaching in CTE/FCS (3)

Continued on next page.

Students must have earned an undergraduate degree in family and consumer sciences OR complete 32 semester hours of approved undergraduate course work in family and consumer sciences with a minimum of 19 semester hours at the 300-400 levels to include the approved courses listed below.

Required Undergraduate Teaching Field Courses Include:

FCS 122	Fundamentals of Food Preparation (3)
FCS 131	Clothing Construction (3)
FCS 215	Introductory Nutrition (3)
FCS 232	Textiles (3)
FCS 323	Experimental Foods (3)
FCS 325	Quantity Foods (3)
FCS 332	Social Cultural Aspects of Clothing (3)
FCS 335	Visual Merchandising (3)
FCS 350	Life Span Development (3)
FCS 352	Child Growth and Development (3)
FCS 353	Child Development Lab (1)
FCS 355	Family Life Education (3)
FCS 454	Administration and Supervision Child Care Programs (3)
FCS 471	Family Housing and Interiors (3)

Students must have the approval of their advisors in professional studies BEFORE registering for undergraduate coursework required to meet the undergraduate requirements/deficiencies specified for the degree.

**49-89 Total Undergraduate and Graduate Semester Hours
Required for this Degree**

Notes:

Students must meet admission requirements for the alternative fifth-year teacher certification program.

Completion of this program leads to eligibility for fifth-year (master's) teacher certification in family consumer science (6-12).

Successful completion of the appropriate Praxis II examination is required prior to internship for all alternative fifth-year programs.

**ALTERNATIVE FIFTH-YEAR PROGRAM
MASTER OF SCIENCE IN EDUCATION
MAJOR: SECONDARY EDUCATION
TEACHING FIELD: GENERAL SCIENCE (6-12)**

Core Requirements (31 semester hours):

ESE 500	Research and Statistics in Secondary Education (3)
ESE 505	Education Methods, Assessment, and Technology (3)
ESE 510	Secondary Practicum One and Tutoring Lab (3)
ESE 523	Methods of Teaching Biology and General Science (3)
ESE 534	Secondary Practicum Two (3)
ESE 561	Foundations of Secondary Education (3)
ESE 573	Critical Inquiry in Biology and General Science (3)
SPE 500	Survey Course in Special Education (3)
ESE 567	Literacy Theory and Practice (3)
*ED 595	Internship in Education (3)
ED 596	Reflective Practices in Education (3)

(Must be taken concurrently with ED 595.)

Teaching Field Requirement (15 semester hours):

By faculty advisement, select 15 graduate semester hours from the general science area to include at least one course from two of the following areas: biology, chemistry, Earth and space science, and physics. For Earth and space science courses, see course descriptions in the geography section of this *Bulletin*. At least half of the 15 semester hours selected must be numbered at the 500 level. A student may transfer no more than three semester hours in the teaching field. This major requires a minimum GPA of 3.0 in the course work in the teaching field. Transfer credit cannot be used to raise the GPA in this teaching field course work to the required 3.0.

*ED 595, Internship in Education, is equivalent to undergraduate student teaching and requires a semester long internship in the public schools. This must be scheduled during the last semester of course work.

46 Graduate Semester Hours Required for this Degree

Undergraduate Requirements:

ED 300	Introduction to Teacher Education (2)
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Students must have an undergraduate degree in biology, chemistry, physics, or Earth and space science OR complete 32 semester hours of undergraduate course work with a minimum of 19 semester hours at the 300-400 levels with any combination of courses from areas covered by the certification.

For the degree in the composite field of general science, additional undergraduate course work must be taken to remove undergraduate course deficiencies in related teaching fields. Deficiencies are determined with a formal evaluation of the students' transcripts.

Continued on next page.

Students must have the approval of their advisers in professional studies BEFORE registering for undergraduate course work required to meet the undergraduate requirements/deficiencies specified for the composite degree.

**48-80 Total Undergraduate and Graduate Semester Hours
Required for this Degree**

Notes:

Students must meet admission requirements for the alternative fifth-year teacher certification program.

Completion of this program leads to eligibility for fifth-year (master's) teacher certification in general science (6-12).

Successful completion of the appropriate Praxis II examination is required prior to internship for all alternative fifth-year programs.

**ALTERNATIVE FIFTH-YEAR PROGRAM
MASTER OF SCIENCE IN EDUCATION
MAJOR: SECONDARY EDUCATION
TEACHING FIELD: HISTORY (6-12)**

Core Requirements (31 semester hours):

ESE	500	Research and Statistics in Secondary Education (3)
ESE	505	Education Methods, Assessment and Technology (3)
ESE	510	Secondary Practicum One and Tutoring Lab (1)
ESE	521	Methods of Teaching History and Social Science (3)
ESE	534	Secondary Practicum Two (3)
ESE	561	Foundations of Secondary Education (3)
ESE	567	Literacy Theory and Practice (3)
ESE	571	Critical Inquiry in History and Social Science (3)
SPE	500	Survey Course in Special Education (3)
*ED	595	Internship in Education (3)
ED	596	Reflective Practices in Education (3)

(Must be taken concurrently with ED 595.)

Teaching Field Requirement (15 semester hours):

By faculty advisement, select 15 graduate semester hours in history courses. At least half of the 15 semester hours selected must be numbered at the 500 level. A student may transfer no more than three semester hours in the teaching field. This major requires a minimum GPA of 3.0 in the course work in the teaching field. Transfer credit cannot be used to raise the GPA in this teaching field course work to the required 3.0.

*ED 595, Internship in Education, is equivalent to undergraduate student teaching and requires a semester long internship in the public schools. This must be scheduled during the last semester of course work.

46 Graduate Semester Hours Required for this Degree

Undergraduate Requirements:

ED	300	Introduction to Teacher Education (2)
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Students must have an undergraduate degree in history OR complete 32 semester hours of undergraduate course work with a minimum of 19 semester hours at the 300-400 levels with any combination of courses from areas covered by the certification.

Students must have the approval of their advisers in professional studies BEFORE registering for undergraduate course work required to meet the undergraduate requirements/deficiencies for the degree.

**48-80 Total Undergraduate and Graduate Semester Hours
Required for this Degree**

See notes on next page.

Notes:

Students must meet admission requirements for the alternative fifth-year teacher certification program.

Completion of this program leads to eligibility for fifth-year (master's) teacher certification in history (6-12).

Successful completion of the appropriate Praxis II examination is required prior to internship for all alternative fifth-year programs.

**ALTERNATIVE FIFTH-YEAR PROGRAM
MASTER OF SCIENCE IN EDUCATION
MAJOR: SECONDARY EDUCATION
TEACHING FIELD: MATHEMATICS (6-12)**

Core Requirements (31 semester hours):

ESE	500	Research and Statistics in Secondary Education (3)
ESE	505	Education Methods, assessment and Technology (3)
ESE	510	Secondary Practicum One and Tutoring Lab (1)
ESE	520	Methods of Teaching Mathematics (3)
ESE	534	Secondary Practicum Two (3)
ESE	561	Foundations of Secondary Education (3)
ESE	567	Literacy Theory and Practice (3)
ESE	570	Critical Inquiry in Mathematics (3)
SPE	500	Survey Course in Special Education (3)
*ED	595	Internship in Education (3)
ED	596	Reflective Practices in Education (3)

(Must be taken concurrently with ED 595.)

Teaching Field Requirement (15 semester hours):

By faculty advisement, select 15 graduate semester hours in mathematics courses. At least half of the 15 semester hours selected must be numbered at the 500 level. A student may transfer no more than three semester hours in the teaching field. This major requires a minimum GPA of 3.0 in the course work in the teaching field. Transfer credit cannot be used to raise the GPA in this teaching field course work to the required 3.0.

*ED 595, Internship in Education, is equivalent to undergraduate student teaching and requires a semester long internship in the public schools. This must be scheduled during the last semester of course work.

46 Graduate Semester Hours Required for this Degree

Undergraduate Requirements:

ED	300	Introduction to Teacher Education (2)
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Students must have earned an undergraduate degree in mathematics OR complete 32 semester hours of undergraduate course work in mathematics with a minimum of 19 hours at the 300-400 levels. Course work must include at least 12 semester hours, or equivalent, beyond the three-course JSU calculus series, including MS 441, Abstract Algebra I.

Students must have the approval of their advisers in professional studies and in the teaching field BEFORE registering for undergraduate course work to meet the undergraduate requirements/deficiencies specified for the degree.

**48-80 Total Undergraduate and Graduate Semester Hours
Required for this Degree**

See notes on next page.

Notes:

Students must meet admission requirements for the alternative fifth-year teacher certification program.

Completion of this program leads to eligibility for fifth-year (master's) teacher certification in mathematics (6-12).

Successful completion of the appropriate Praxis II examination is required prior to internship for all alternative fifth-year programs.

**ALTERNATIVE FIFTH-YEAR PROGRAM
 MASTER OF SCIENCE IN EDUCATION
 MAJOR: SECONDARY EDUCATION
 TEACHING FIELD: SOCIAL SCIENCE (6-12)**

Core Requirements (31 semester hours):

ESE	500	Research and Statistics in Secondary Education (3)
ESE	505	Education Methods, Assessment and Technology (3)
ESE	510	Secondary Practicum One and Tutoring Lab (1)
ESE	521	Methods of Teaching History and Social Science (3)
ESE	534	Secondary Practicum Two (3)
ESE	561	Foundations of Secondary Education (3)
ESE	567	Literacy Theory and Practice (3)
ESE	571	Critical Inquiry in History and Social Science (3)
SPE	500	Survey Course in Special Education (3)
* ED	595	Internship in Education (3)
ED	596	Reflective Practices in Education (3)

(Must be taken concurrently with ED 595.)

Teaching Field Requirement (15 semester hours):

By faculty advisement, select 15 graduate semester hours from the social science area to include at least one course from two of the following areas: economics, geography, history, political science, and psychology. At least half of the 15 semester hours selected must be numbered at the 500 level. A student may transfer no more than three semester hours in the teaching field. This major requires a minimum GPA of 3.0 in the course work in the teaching field. Transfer credit cannot be used to raise the GPA in this teaching field course work to the required 3.0.

*ED 595, Internship in Education, is equivalent to undergraduate student teaching and requires a semester long internship in the public schools. This must be scheduled during the last semester of course work.

46 Graduate Semester Hours Required for this Degree

Undergraduate Requirements:

ED	300	Introduction to Teacher Education (2)
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Students must have earned an undergraduate degree in ONE of the following areas: history, geography, political science, psychology, sociology or economics OR complete 32 semester hours of undergraduate course work with a minimum of 19 hours at the 300-400 levels with any combination of courses from areas covered by the certification.

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For the degree in the composite field of social sciences, additional undergraduate course work must be taken to remove undergraduate course deficiencies in related teaching fields. Deficiencies are determined with a formal evaluation of the student's transcripts.

Students must have the approval of their advisers in professional studies and in the teaching field BEFORE registering for undergraduate course work to meet the undergraduate requirements/deficiencies specified for the degree.

**48-80 Total Undergraduate and Graduate Semester Hours
Required for this Degree**

Notes:

Students must meet admission requirements for the alternative fifth-year teacher certification program.

Completion of this program leads to eligibility for fifth-year (master's) teacher certification in social science (6-12).

Successful completion of the appropriate Praxis II examination is required prior to internship for all alternative fifth-year programs.

**ALTERNATIVE FIFTH-YEAR PROGRAM
MASTER OF ARTS
MAJOR: MUSIC/INSTRUMENTAL (P-12)**

Core Requirements (16 semester hours):

- MU 511 Research Methods in Music and Music Education (3)
MU 512 Seminar in Instrumental Music (3)

Select *One* from the following (3 semester hours):

- MU 505 Music Literature: Medieval-Renaissance (3)
MU 506 Music Literature: Baroque Era (3)
MU 507 Music Literature: Classic-Romantic (3)
MU 508 Music Literature: Contemporary Era (3)

Select *One* from the following (3 semester hours):

- MU 520 Music Theory: Style Analysis (3)
MU 521 Music Theory: Style Analysis (3)

Select from among the following (for a total of 4 semester hours):

- MU 480G Graduate Ensemble (1)
MU 481G Graduate Ensemble (1)
MU 519 Advanced Conducting (3)
MU 534 Individual Applied Music (2)
MU 535 Individual Applied Music (2)

Required Music and Education Courses (24 semester hours):

- EIM 503 Computer Based Instructional Technologies (3)
ESE 567 Literacy Theory and Practice (3)
ESE 561 Foundations of Secondary Education (3)
MU 545 Measurement and Evaluation in Music (3)
MU 471G Elementary Music Materials and Methods (3)
MU 482G Secondary Instrumental Music Materials and Methods (3)
MU 588 Graduate Internship in Music Education P-12 (3)
(50% time at the elementary and 50% time at the secondary
level; offered in Fall and Spring during public school hours)
SPE 500 Survey Course in Special Education (3)

40 Graduate Semester Hours Required for this Degree

Undergraduate Requirements: 59 semester hours of undergraduate course work from the area of music to include:

Music Theory	18 semester hours
Music History	6 semester hours
Conducting	5 semester hours
Class applied music (instrumental techniques classes in areas of brass, woodwinds, percussion, strings, voice)	5 semester hours
*Additional Music Courses	25 semester hours

Continued on next page.

Non-Music Undergraduate Requirements: 13 semester hours must include:

ED 300 Introduction to Teacher Education (2)
PSY 222 Human Development (3)

*These must include courses in major applied instruction and include evidence of a degree level recital performance. Of the total at least 19 semester hours must be at the 300-400 level.

**45-104 Total Undergraduate and Graduate Semester Hours
Required for this Degree**

Notes:

Students must meet admission requirements for the alternative fifth-year teacher certification program.

Completion of this program leads to eligibility for fifth-year (master's) teacher certification in music/instrumental (P-12).

Successful completion of the appropriate Praxis II examination is required prior to internship for all alternative fifth-year programs.

**ALTERNATIVE FIFTH-YEAR PROGRAM
MASTER OF ARTS
MAJOR: MUSIC/VOCAL/CHORAL (P-12)**

Core Requirements (16 semester hours):

- MU 509 Seminar in Choral Music (3)
- MU 511 Research Methods in Music and Music Education(3)

Select one from the following (3 semester hours):

- MU 505 Music Literature: Medieval-Renaissance (3)
- MU 506 Music Literature: Baroque Era (3)
- MU 507 Music Literature: Classic-Romantic (3)
- MU 508 Music Literature: Contemporary Era (3)

Select one from the following (3 semester hours):

- MU 520 Music Theory: Style Analysis (3)
- MU 521 Music Theory: Style Analysis (3)

Select from among the following (for a total of 4 semester hours):

- MU 480G Graduate Ensemble (1)
- MU 481G Graduate Ensemble (1)
- MU 519 Advanced Conducting (3)
- MU 534 Individual Applied Music (2)
- MU 535 Individual Applied Music (2)

Required Music and Education Courses (24 semester hours):

- EIM 503 Computer Based Instructional Technologies (3)
- ESE 567 Literacy Theory and Practice (3)
- ESE 561 Foundations of Secondary Education (3)
- MU 471G Elementary Music Materials and Methods (3)
- MU 545 Measurement and Evaluation in Music (3)
- MU 483G Secondary Vocal Music Materials and Methods (3)
- MU 588 Graduate Internship in Music Education P-12 (3)
(50% time at the elementary and 50% time at the secondary level; offered in Fall and Spring during public school hours)
- SPE 500 Survey Course in Special Education (3)

40 Graduate Semester Hours Required for this Degree

Undergraduate Requirements: 59 semester hours of undergraduate course work from the area of music to include:

- Music Theory 18 semester hours
- Music History 6 semester hours
- Conducting 5 semester hours
- Class applied music 5 semester hours
(vocal techniques classes)
- *Additional Music Courses 25 semester hours

Continued on next page.

Non-Music Undergraduate Requirements: 5 semester hours must include:

ED	300	Introduction to Teacher Education (2)
PSY	222	Human Development (3)

*These must include courses in major applied instruction and include evidence of a degree level recital performance. Of the total at least 19 semester hours must be at the 300-400 level.

**45-104 Total Undergraduate and Graduate Semester Hours
Required for this Degree****Notes:**

Completion of this program leads to eligibility for fifth-year (master's) teacher certification music/vocal/choral (P-12). Students must meet admission requirements for the alternative fifth-year teacher certification program.

Successful completion of the appropriate Praxis II examination is required prior to internship for all alternative fifth-year programs.

DESCRIPTIONS OF EDUCATION COURSES

COLLABORATIVE TEACHER/SPECIAL EDUCATION COURSES PREFIX SPE

500. **Survey Course in Special Education (3).** Various areas of exceptionality including cognitive impairments, behaviorally disordered, multiple handicapped, learning disabled, gifted and talented, hearing impaired, visually impaired, speech and language disordered, and early education for the handicapped.
505. **Functional Communication (3).** Developmental approach to acquisition of language with emphasis on educational intervention for specific linguistic anomalies.
516. **Characteristics of Mild to Moderate Disabilities (3).** Introduction to potential causes, characteristics, definitions, placement process, classification, and the matching of limited forms of intervention with students exhibiting disabilities of learning and behavior.
517. **Methods: Mild to Moderate Disabilities K-6 (3).** Designed to familiarize students with assessment instruments, perspectives, therapeutic techniques, and curriculum materials associated with teaching students with disabilities of learning and behavior.
518. **Methods: Mild to Moderate Disabilities 6-12 (3).** Designed to familiarize students with assessment instruments, perspectives, therapeutic techniques, and curriculum materials associated with teaching students with disabilities of learning and behavior.
522. **Assessment of Special Populations (3).** Focuses on the evaluation process, related strategies and instruments designed to facilitate decision-making for students with various disabilities.

COUNSELOR EDUCATION COURSES PREFIX ECG

500. **Counseling Principles in Technological Applications (3).** Orientation to graduate courses and the counseling program. Review of APA and additional information regarding writing at the graduate level. Current technology in relation to the field of counseling will be emphasized. Course includes ten hours of group counseling experience and a series of personal assessments. Required of all counselor education students during the first semester of classes.
501. **Assessment in Counseling (3).** Examines the role of assessment in counseling and emphasizes basic techniques of appraisal and psychometric constructs associated with testing. Exposes students to a variety of educational and psychological tests. Emphasis is on those aspects important to the counselor as a consumer and administrator of testing information.
506. **Professional Orientation and Ethics (3).** (Required first semester.) Basic introductory course including historical, theoretical, and practical aspects related to the counseling profession in a variety of settings. Selected legal and ethical issues in counseling are also included with an in-depth review of ethical standards, organizations and licensure boards.
523. **Multicultural Issues (3).** Integrative study of the societal changes impacting the practice of counseling; cross-cultural counseling and pluralistic trends emphasized.

- 525. Skills Development (3).** Prerequisites: ECG 506 and ECG 553. The practical application of selected skills and strategies with a focus on the interview process.
- 527. Organization and Administration in Counseling Services (3).** Function, organization and evaluation of guidance services in elementary and secondary schools, colleges, and junior colleges, and community agencies with emphasis on public schools. Topics include: 1) basic guidance services; 2) functions of school personnel; 3) organizational patterns for guidance services; 4) selection criteria training and certification of guidance personnel; 5) organization of counseling, individual analysis, information placement and follow-up services; 6) administration of guidance services; 7) consultation services.
- 530. Introduction to Marriage and Family Counseling (3).** An overview of the nature of family systems relationships and family development. Particular emphasis will be given to the theory and practice of marital and family therapy. Students will examine both theoretical and empirical elements of family counseling which can be applied to marriage and family systems.
- 540. Diagnosis and Treatment of the DSM Disorders (3).** Examination of the history, description, definition, causes, and treatment of psychological disorders; topic areas include psychological disorders throughout the life span, multi-axial assessment, DSM diagnosis, and treatment of the disorders.
- 553. Theory and Process (3).** An examination of the major counseling theories and related techniques and an overview of the counseling relationship.
- 556. Career Development (3).** An introduction to career development theories and concepts and related resources and practices for career planning and decision-making.
- 558. Counseling Children/Adolescents (3).** Development of programs, practices, and techniques which address the unique needs of children and youth through college age.
- 560. Intro to Substance Abuse Counseling (3).** Intro to substance abuse counseling and related issues. Provides an overview of the historical context, etiological theories, and psychoactive impact of substances on the brain. Focus on assessment, diagnosis, and treatment of substance abuse/dependence with emphasis on clinical counseling practice informed by theory and research.
- 585. Counseling Practicum (3).** Prerequisites: ECG 506, ECG 525, ECG 553 and ECG 591. Supervised observation and application of counseling concepts, principles, and techniques in field settings.
- 588. Crisis Counseling (3).** Basic concepts and steps of crisis intervention with a focus on the background, dynamics, and strategies related to specific crises.
- 591. Group Procedures in Counseling (3).** Prerequisites: ECG 506 and 553. Principles of group counseling, ethical considerations and dynamics of group interaction. Implement theories and techniques in group therapy sessions. Multicultural problems included.
- 593. Internship in School Counseling (3).** Prerequisites: Permission of the instructor, ECG 585 and a passing score in the appropriate Praxis II. Must be completed at JSU. A 300 clock hour supervised field experience in an appropriate K-12 school setting.
- 594. Internship in School Counseling (3).** Prerequisites: Permission of the instructor, ECG 585 and a passing score in the appropriate Praxis II. Must be completed at JSU. A 300 clock hour supervised field experience in an appropriate K-12 school setting.

- 595. Internship in Community Agency Counseling (3).** Prerequisites: Permission of the instructor; ECG 585. Each course requires a 300 clock hour supervised field experience in an appropriate job setting; limited to three semester hours in enrollment periods of less than 15 weeks.
- 596. Internship in Community Agency Counseling (3).** Prerequisites: Permission of the instructor; ECG 585. Each course requires a 300 clock hour supervised field experience in an appropriate job setting; limited to three semester hours in enrollment periods of less than 15 weeks.

Note: 600 level courses are open only to persons holding master's degrees.

- 634. Advanced Counseling Theories (3).** Examination of a variety of counseling theories through selection, both individually and as a group, of theories on which to focus throughout the semester.
- 637. Advanced Career Counseling (3).** Laboratory-based course, merging contemporary career theory with actual field practice; selection and administration of a battery of assessment instruments to individuals at significant life stages, scoring and interpretation of the test battery; presentation of findings and recommendations.
- 646. Advanced Group Procedures in Counseling (3).** Various theories of group work, review of basic group leadership skills, and basics of group process; provides integration of concepts and skills; opportunities to lead groups with supervision and ongoing feedback, participation in demonstrations of various group models, writing of reaction/thought/positions papers.
- 691. Action Research in Counseling I (3).** Identification and analysis of problems specific to the current counseling environment with emphasis on development of innovative and unique solutions. To be taken near the end of the program.
- 692. Action Research in Counseling II (3).** *Prerequisite: ECG 691. Must be taken in the last semester of enrollment.* Continuation of identification and analysis of problems specific to the current counseling environment with emphasis on development of innovative and unique solutions.
- 693. Supervision in Counseling (3).** Study of the supervision process in counseling highlighting legal and ethical issues, trends, multicultural considerations, and evaluation; both classroom seminars and supervision of master's students in clinical experiences required.

EARLY CHILDHOOD EDUCATION COURSES PREFIX ECE

- 500. Materials and Methods (3).** Process of development in specific content areas and implementation of educational programs for young children.
- 501. Behavior and Development in Early Childhood (3).** Physical, emotional, intellectual, and social components of development, their interrelationships and their effect on later functioning; psychological principles.
- 507. Assessment in Early Childhood Education (3).** Review the use of assessment procedures which are developmentally appropriate for the use in early childhood education. (Replaces EFD 501.)
- 512. Practicum in Early Childhood Special Education (3).** Prerequisite: A passing score on the appropriate Praxis II examination is required prior to taking this course. Practicum experiences working with the young handicapped child, ages infancy to eight.

- 513. Individualization of Education for Young Children (3).** Prerequisite: Permission of instructor. Methods and procedures for individualizing instruction.
- 530. Designing Programs for Young Children (3).** (Not open to students enrolled in Ed.S. programs.) Theory, school design, scheduling, and equipment. A practicum is required.
- 531. Implementation and Administration of Early Childhood Programs (3).** Prerequisite: Permission of instructor required. Supervision and implementation of programming of early childhood programs with emphasis on communication with professionals and lay-citizenry of goals and purposes of early childhood programs.
- 532. Issues & Trends in Early Childhood Education (3).** Prerequisite: Permission of instructor. Current issues and trends in early childhood education. (ECE 532 is cross-listed with EED 532 and only one course may be counted for credit.)
- 533. Enhancing Learning Through Children's Literature (3).** Techniques and strategies to utilize children's literature to enhance the early childhood curriculum. (ECE 533 is cross-listed with EED 533 and only one course may be counted for credit.)
- 538. Teaching Reading in ECE (3).** Methods, materials and research findings concerned with beginning reading instruction emphasizing P-3. (ECE 538 is cross-listed with RDG 538 and only one course may be counted for credit.)
- 539. Teaching Writing in Early Childhood Education (3).** Theories, methods, and current research involving writing instruction; emphasis on P-3.
- 540. Intervention in the Early Childhood Classroom (3).** Theory and research-based practices used in early childhood education and early education special education. Emphasis on strategies to plan developmentally appropriate activities for all children.
- 588. Graduate Internship in Early Childhood Education (3).** Complete semester long internship and earn "pass/fail" upon completion of the course. Students will complete a working portfolio and electronic LiveText portfolio, along with other standard course requirements.

Note: 600 level courses are open only to persons holding master's degrees.

- 631. Teacher as Researcher/Issues and Trends in ECE (3).** Exploration of current research and issues and trends in early childhood education; review and comparison of selected teacher research projects, and examination of the concept and practice of teacher research as a strategy to build school collaboration and strengthen the professional role of teachers. (ECE 631 is cross-listed with EED 631 and only one course may be counted for credit.)
- 642. Professional Publications in Early Childhood Education (3).** Prerequisite: ECE 631. Opportunity for students to develop and refine professional writing skills. (ECE 642 is cross-listed with EED 642 and only one course may be counted for credit.)

EDUCATION COURSES PREFIX ED

- 500. Introduction to Graduate Education and Technology (1).** (Discipline specific section required first semester.) An introductory course for graduate programs in the College of Education and Professional Studies. It is a requirement for all graduate students (Master's Class A Certificate, Ed.S.,

and Graduate Certificate (non-education) with concentrations in sport management and in education) who have not previously taken this course at the master's level. Must be completed at JSU.

- 595. Internship in Education (3).** (Grade of Pass or Fail only.) Prerequisite: Approval of academic advisor. Corequisite: To be taken concurrently with ED 596 Reflective Practices in Education (3). Internship will be under the supervision of a cooperating teacher and a university supervisor. Internship is a semester-long course.
- 596. Reflective Practices in Education (3).** Corequisite: To be taken concurrently with ED 595 Internship in Education (3). This course contributes to the preparation and meaningfulness of the student internship and is a hybrid course. This hybrid course is a blend of face-to-face instruction with online learning.

EDUCATIONAL PSYCHOLOGY COURSES PREFIX EPY

- 529. Developmental Psychology (2).** Intellectual, emotional, social, physical, and moral development in the school age person. Tutoring practicum required.
- 542. Educational Measurement (2).** Measurement/evaluation of students' academic progress and basic statistical principles. Construction and uses of teacher-made tests and standardized achievement tests are emphasized.
- 525. Lifespan Development (3).** A study of principles and concepts of physical, cognitive, personality, and social development from birth through death.

ELEMENTARY EDUCATION COURSES PREFIX EED

- 522. Assessment in Elementary Education (3).** Review the use of assessment procedures that are developmentally appropriate for us in elementary education. (Replaces EFD 501.)
- 532. Issues and Trends in Elementary Education (3).** Prerequisite: Permission of instructor. Current issues and trends in elementary education are examined. (EED 532 is cross-listed with ECE 532 and only one course may be counted for credit.)
- 533. Enhancing Learning Through Children's Literature (3).** Techniques and strategies to utilize children's literature to enhance the elementary education curriculum. (EED 533 is cross-listed with ECE 533 and only one course may be counted for credit.)
- 540. Curriculum Integration in Elementary Education (3).** Designed to examine the needs of elementary students within the content areas of language arts, math, science, and social studies, as well as the literacy needs of English Language Learners (ELL). Because literacy skills are so crucial to success in school, the course will focus on strategies and their application to the above content areas. (Replaces EFD 502.)
- 541. Teaching Mathematics (3).** Advanced course in materials and teaching techniques for improving math concepts and skills.
- 542. Teaching Reading (3).** Prerequisite: EED 342. This advanced course in reading examines the research base, theories, and current issues in reading as well as instructional methods and practices, effective strategy instruction, and assessment. Classroom observations required for the 5th year and/or non-teaching master's students. (EED 542 is cross-listed with RDG 542 and only one course may be counted for credit.)

- 543. Teaching Social Studies (3).** Advanced course in materials and methods of teaching social studies emphasizing individual research projects.
- 544. Teaching Science (3).** Problems in development of science program in the elementary school; facilitating children's learning of science – its concepts and attitudes.
- 545. Teaching Language Arts (3).** Scope and sequence of total language arts program in the elementary school; individual research projects. (EED 545 is cross-listed with RDG 545 and only one course may be counted for credit.)
- 547. Diagnosing Reading Abilities (3).** Prerequisite: Three semester hours of graduate study in reading or language arts. Research in diagnosing reading abilities, handling current diagnostic tools, and construction of evaluation of instruments.
- 549. Reflective Teaching Practices (3).** Current teaching practices examined in scheduled seminars and then implemented in an elementary classroom setting. (Not open to students enrolled in Alternative Fifth-Year Teacher Certification or Ed.S. programs.)
- 588. Graduate Internship in Elementary Education (3).** Prerequisite: Successful completion of the appropriate Praxis II examination. Complete semester long internship and earn "pass/fail" upon completion of the course. Students will complete a working portfolio and electronic LiveText portfolio, along with other standard course requirements.

Note: 600 level courses are open only to persons holding master's degrees.

- 631. Teacher as Researcher/Issues and Trends in EED (3).** Exploration of current research and issues and trends in elementary education; review and comparison of selected teacher research projects, and examination of the concept and practice of teacher research as a strategy to build school collaboration and strengthen the professional role of teachers. (EED 631 is cross-listed with ECE 631 and only one course may be counted for credit.)
- 642. Professional Publications in Elementary Education (3).** Prerequisite: EED 631. Opportunity for students to develop and refine professional writing skills. (EED 642 is cross-listed with ECE 642 and only one course may be counted for credit.)

FAMILY AND CONSUMER SCIENCES COURSES PREFIX FCS

- 500. History and Philosophy of Family Consumer Sciences (3).** Investigation and study of the historical foundations and the philosophy of the profession of family and consumer sciences.
- 526. Contemporary Issues in Textiles and Fashion (3).** Study of current global issues and trends in the textile and fashion industries.
- 536. Advanced Nutritional Therapy (3).** The study of advanced methods of nutritional management of individuals across the age continuum.
- 537. Advanced Methods of Nutritional Assessment (3).** Advanced methods for the nutritional assessment and nutritional management of individuals.
- 538. Critical Issues in Nutrition and Food Science (3).** Study and investigation of food, nutrition, and health issues facing the U.S. and world population.
- 552. Advanced Human Development and Family Relations (3).** Advanced study of human development and family relations across the lifespan.
- 560. Advanced Methods for Teaching Family and Consumer Sciences (3).** Study of advanced methods for teaching family and consumer sciences curricula.

**FOUNDATIONS COURSES
PREFIX EFD**

- 500. Research in Education (3).** An interpretation and conceptualization of research in education with a focus on how to locate, read, and analyze research as well as educational implications.
- 502. Curriculum Development (3).** Overall process of curriculum construction and revision.
- 504. Statistical Applications Lab (1).** Corequisite: EFD 500 Research in Education. For counselor education majors only. Application and interpretation of descriptive statistics in counseling research. Topics include properties of the normal distribution, defining and measuring variables, frequency distributions, measures of central tendency, measures of variability, z-scores, correlation, and reliability computations. Computer software programs such as SPSS and MS Excel will be used to summarize, describe, present, and interpret data.
- 510. Proactive Orientation for Teachers (3).** Orientation to organizational theory, site-based management, leadership skills, decision-making skills, and problem-solving strategies in secondary schools.
- 515. Seminar in Schools and Learning (2).** Survey of the psychological, sociological, philosophical foundations of American education.
- 521. Independent Research (1).** Prerequisite: Permission of the instructor and approval of the department head.
- 522. Independent Research (2).** Prerequisite: Permission of the instructor and approval of the department head.
- 523. Independent Research (3).** Prerequisite: Permission of the instructor and approval of the department head.
- 531. Philosophy of Education (3).** Contemporary philosophies of education, their historical development, and the beliefs tantamount to each.
- 532. Social Foundations of Education (3).** Analysis of current issues and trends throughout society with implications for education.
- 552. Diversity Issues in Education (3).** Study of issues in multiculturalism, globalism and comparative education as they influenced educational leadership, school curricular design and emerging educational policy.
- 560. Psychological Principles of Learning (3).** Advanced study of nature of knowledge, learning, and learner with emphasis on the teaching-learning process.
- 594. Seminar in Contemporary Education (3).** Selected contemporary problems in education.

Note: 600 level courses are open only to persons holding master's degrees.

- 615. Leadership (3).** Study of theories, models, and techniques for enhancing effective leadership in group settings in the context of site based management; practical applications through self-analysis and skill development.
- 620. Measurement and Evaluation in Education (3).** Current issues in educational measurement and evaluation, including qualitative and quantitative data analysis and strategies for program development and improvement.

- 633. Funding for School Improvement (3).** Developing state, federal, local, and grant resources to enhance school improvement.
- 670. Facilitating Quality Instruction in Mathematics with Colleagues (3).** Provides opportunities to gather, interpret, and to work with teachers to evaluate materials and best practices related to the teaching of mathematics. Evidence of inquiry may include presentations, lesson plans, projects, and lessons taught by teachers, etc.
- 672. Facilitating Quality Instruction in Literacy with Colleagues (3).** Provides opportunities to gather, interpret, and to work with teachers to evaluate materials and best practices related to the teaching of literacy. Evidence of inquiry may include presentations, lesson plans, projects, and lessons taught by teachers, etc.
- 691. Advanced Research in Education I (3).** Prerequisite for all majors: EFD 632; prerequisites for ECE and EED majors: ECE/EED 631 and ECE/EED 642. Identification and analysis of problems specific to the current educational environment with emphasis on development of innovative and unique solutions. Must be taken after all basic and concentration requirements have been successfully completed.
- 692. Advanced Research in Education II (3).** Prerequisite: EFD 681. Continuation of identification and analysis of problems specific to the current educational environment with emphasis on development of innovative and unique solutions. Must be taken in the last semester of enrollment.

HEALTH AND PHYSICAL EDUCATION COURSES PREFIX HPE

- 500. Foundations of Wellness and Sport Studies (3).** Designed to inform the physical education teacher and others about the foundation of physical education and sports. Emphasis will be on philosophy, objectives, movement, history, fitness, and the psychological and sociological foundations (replaces EFD 531, Philosophy of Education (3)).
- 502. Sociology of Sport (3).** Analysis and study of human behavior patterns as they relate to participation in sports and games.
- 503. Sport History (3).** Development of sport in the U.S. and other countries.
- 506. Methods of Teaching PE, P-5 (3).** Prerequisite: Admission to alternative fifth-year teacher certification program. Methods and techniques of teaching P-5 physical education.
- 507. Methods of Teaching PE, 6-12 (3).** Prerequisite: Admission to alternative fifth-year teacher certification program. Methods and techniques of teaching 6-12 physical education.
- 508. Research in Wellness and Sport Studies (3).** The purpose of this course is to provide the foundation for the interpretation and conceptualization of research in HPER. This course will provide instruction on the variety of research methodologies and strategies and how to incorporate such strategies into personal research goals (replaces EFD 500, Research in Education (3)).
- 510. Physical Education Curriculum (3).** This advanced online course examines the underlying philosophies and foundations of the physical education curriculum in the educational setting (replaces EFD 502, Curriculum Development (3)).

- 515. Assessment in Wellness and Sport Studies (3).** Advanced study of assessment techniques and tools with an emphasis on assessment in school based physical education settings.
- 520. Best Practices in PE (3).** This advanced on-line course examines techniques and methodologies that have been shown to reliably produce desired outcomes in physical education.
- 525. Current Issues and Trends in Athletics (3).** This advanced online course examines issues and trends encountered by secondary and collegiate coaches in the administration of sport programs. The concepts will be explored from a theoretical and applied perspective. This course examines possible courses of action to meet such issues and trends that occur in athletics. It includes in-depth study and problem-solving approaches.
- 530. Physiology of Exercise (3).** Experiences in physiology of muscular activity and application of these to physical education, training, and health.
- 531. Clinical Cardiopulmonary Physiology (3).** Advanced course in clinical exercise physiology. Study of the anatomy, physiology, and pathophysiology of the cardiac, vascular and pulmonary systems.
- 535. Skill Analysis (3).** Basic skills involved in several individual and team sports; special attention will be given to body movement.
- 537. Issues and Trends in Wellness and Sport Studies (3).** This advanced course examines the underlying philosophies and issues/trends of various topics of interest in health/physical education and the educational setting.
- 539. Diet and Performance (3).** Study of the basic nutrients and different types of diets, and their effects on health related and sports related fitness.
- 540. Law and Ethics in Physical Education and Sport Management(3).** Legal implications of those involved with physical education, recreation, and athletic programs.
- 545. Stress Management (3).** This course is intended to help the PE teacher develop knowledge and skills relative to stress management. Emphasis is placed on stress responses and relaxation technique strategies.
- 551. Tests and Measurements in PE (3).** Prerequisite: Admission to alternative fifth-year teacher certification program. Techniques of test evaluation, administration, and interpretations, emphasis on physical fitness, body mechanics, sports skills, and knowledge tests.
- 555. Advanced Anaerobic Physiology (3).** Prerequisite: None. Effectiveness of different training methods on the performance of the anaerobic athlete.
- 556. Advanced Aerobic Physiology (3).** Exercise physiology examines the physiological responses of the human body to acute and chronic physical activity. This course will provide a more in-depth study of aerobic metabolism, energy balance, and muscle structure and function.
- 560. Readings in PE (3).** Identification and analysis of current issues and trends; recent developments in physical education, curriculum, and practices in physical education.
- 562. Physical Education Program (3).** Prerequisite: Admission to alternative fifth-year teacher certification program. Study of curriculum, teaching methods, skills, and the organization and administration of PE programs.
- 563. Sport Finance (3).** Concepts, principles, and application associated with finance in the sport and physical activity contexts. This course covers a variety of topics ranging from basic financial concepts to taxation and cash management.

- 564. Human Resources Management in Sport (3).** Concepts, principles, and application associated with human resources management in the sport and physical activity contexts. A variety of topics ranging from performance appraisal strategies to job design.
- 566. Public and Media Relations in Sport (3).** Concepts, principles, and application associated with public and media relations issues in the sport and physical activity contexts. A variety of topics ranging from the process of sport information to the sport broadcast media.
- 567. Sport Facility Administration and Design (3).** Concepts, principles, and application associated with the planning, designing, and managing a sport facility. A variety of topics ranging from maintenance and security operations to sport facility design principles.
- 568. Administration of Athletics (3).** Place of interscholastic athletics in the program, organization and administration of program, budget, equipment, facilities, public relations, and legal liability.
- 575. Physical Fitness and Wellness (3).** Research evidence of relationships of physical exercise to the following: longevity, weight control, cardiovascular disease, low back pain, mental health, and aging.
- 576. Sport Marketing (3).** Introduction to the principles and application of marketing theory to the sport industry. Covers wide range of sport marketing related topics including promotion and media relations in sport businesses, licensing and sponsorship of sport products, and the marketing mix strategies for sport organizations. Students will gain valuable insight into the theory and practice of sport marketing strategies for a diverse range of sport related organizations.
- 580. Adapted Physical Education (3).** Comprehensive study to develop ability to deal successfully with handicapped children, youth, and adults in a variety of settings.
- 581. Advanced Practicum in Special Physical Education (3).** Supervised field experience in applying skills, knowledge, and concepts in special physical education; supervised work with the handicapped.
- 582. Research Seminar in Special Physical Education (3).** Critical analysis and evaluation of current research and practical application in the field of special physical education.
- 583. Perceptual Motor Development (3).** Development of perceptual motor skills through physical activities; including locomotor skills, laterality and direction ability; investigations of theories, programs, activities, and evaluation.
- 585. Physical Activity and the Aging Process (3).** Examination of scientific evidence concerning the relationship between physical activity level and physical, mental, and social-psychological wellbeing during aging.
- 586. Sport Promotion and Event Planning (3).** Concepts, principles, and application associated with planning and promoting sporting events. Topics range from developing an event budget to attracting sponsors to a sporting event.
- 588. Graduate Internship in PE, P-12 (3).** Prerequisite: Successful completion of the appropriate Praxis II examination. Complete semester long internship and earn "pass/fail" upon completion of the course. Students will complete a working portfolio and electronic LiveText portfolio, along with other standard course requirements.

- 590. Directed Study in PE (3) (3).** Prerequisites: Permission of instructor and approval of the department head. Work with a HPER professor to complete a specific project. May be repeated once for a total of six (6) credit hours. This course will be offered on an as needed basis. This course is to be offered as elective credit for those MS.Ed. and Ed.S. students who are interested in engaging in formal research practices under the guidance of the HPER faculty.
- 591. Internship in Sport Management (3).** The sport management internship is designed to provide students with practical experience under the supervision of an athletic administrator in a secondary school setting.
- 592. Internship in Sport Marketing and Administration (3).** Provides students with practical experience under the supervision of a sport management practitioner. This mutually beneficial relationship enhances the student's job marketability in the field of sport management by providing the student with professional experience.
- 598. Independent Study in PE (3) (3).** Prerequisites: Permission of the instructor and approval of the department head. Opportunity to explore, in detail, an area or issue in PE. May be repeated once for a total of six (6) credit hours.

INSTRUCTIONAL LEADERSHIP COURSES PREFIX IL

- 510. Action Research (3).** A study of the basic elements of action research design with effective research and evaluative strategies.
- 553. Leading for Learning (3).** Principles of curriculum development, staff development, and instructional leadership at the local school and system levels.
- 555. Management of the Learning Organization I (3).** Development and managing financial resources to enhance student learning. This new course will replace EAD 563 School Finance (3).
- 556. Management of the Learning Organization II (3).** Processes and procedures to develop and enhance the school's learning environment. This new course will replace EAD 556 Management of Student Services (3).
- 562. Leading Change for Student Learning (3).** This course addresses the successful preparation of visionary school leaders who focus on improving schools, instructional leaders who are moral advocates for students and for the communities they serve; and responsible leaders who connect with diverse groups of people.
- 564. Law and Ethics (3).** Legal, ethical, and political structures under which school personnel and community counselors function with emphasis on school-community interaction and institution advocacy.
- 566. Internship in Instructional Leadership (3).** Prerequisites or corequisites: IL 553, 556, 562, 563, 564, 576 and passing the Praxis II: School Leadership. May be taken before or after IL 576, but must be taken during the last or next-to-last semester of the student's program. Either IL 566 or IL 576 must be taken in the last semester. Supervised field-based experience: study, analysis, observation, and participation in instructional programs in selected schools under the guidance of a school mentor and the university supervisor. Offered fall and spring and must be completed at JSU.

576. Internship in Instructional Leadership and Residency (3). Prerequisites or corequisites: IL 553, 556, 562, 563, 564 and passing the Praxis II: School Leadership. May be taken before or after IL 566, or may be taken with IL 566 with permission of advisor. Either IL 566 or IL 576 must be taken in the last semester. Supervised field-based experience including participation in and leadership of educational programs in selected schools under the supervision of a mentor who is a practicing school administrator, and a university supervisor: includes the ten-day residency; must be scheduled during the last or next-to-last semester of study, must be completed at JSU; is offered fall, spring, and summer semesters.

Note: 600 level courses are open only to persons holding master's degrees.

Note: To enroll in any 500 or 600 level EAD course (except EAD 564, Law and Politics) students must be admitted to one of the following programs: the MS.Ed. with a major in Instructional Leadership or the Ed.S. with a major in Educational Leadership.

- 612. Planning and Managing Facilities and Programs (3).** Procedures and issues related to design, development, and operation of educational facilities and programs.
- 614. Internship in Personnel Development I (3).** Procedures and issues related to development of and administration of effective and efficient processes for hiring, mentoring and, inducting new faculty.
- 620. Internship in Personnel Development II (3).** The study of supervisory leadership for personnel development focusing on instructional improvement.
- 632. Research in Instructional Leadership (3).** Study of the research process, analysis and evaluation of selected research literature, and actual research proposal development.
- 650. Seminar in Curriculum Development (3).** The study of theory and practice of curriculum development.
- 691. Problems in Instructional Leadership I and Internship (3).** Prerequisite: IL 612. Development of a practical and problem-solving process in relation to the administration of schools and school systems. This course culminates in a public presentation of a school-based problem-solving project. Course must be scheduled near the end of a student's program.
- 692. Problems in Instructional Leadership II and Internship (3).** Prerequisite: IL 691. Continuation of practical problem-solving in relation to the administration of schools and school systems culminating in a public presentation of a school based problem-solving project.

INSTRUCTIONAL MEDIA COURSES PREFIX EIM

- 502. Technology in Education (3).** The use of technology in the school setting. Research, small group discussions, and demonstrated applications will be emphasized.
- 503. Computer Based Instructional Technologies (3).** Basic to theory and operations of microcomputing hardware and software for instructional purposes; concepts presented include computer systems, hardware and software; hands-on experience with selected productive software packages pertinent to the K-12 environment.

- 504. Current and Emerging Instructional Technologies (3).** Application of current and emerging instructional technology in the information age classroom.
- 505. Curriculum Integration of Technology (3).** Study of concepts and techniques for integrating various technology tools into K-12 curricula; emphasis on problem solving with intuitive and systematic methods with implementation of solutions to be done with various technology tools and computers, appropriate software, multi-media devices, and courseware authoring software.
- 610. Emerging Technology and Collaborative Tools (3)** Introduces the latest innovative technologies that promote learning. Students will explore various learning environments and develop technology enhanced educational activities that are engaging, collaborative, and place emphasis on increasing student achievement.
- 615. Online Course Design (3)** Examines best practices of quality online courses for the K-12 environment. Students will plan, design, and develop a medial rich online course with a focus on collaboration and interactivity. Courses will be designed to meet iNACOL National Standards for Quality Online Program.
- 620. Educational Multi-Media and Video (3).** Introduces the basics of video Production utilizing digital video recording devices and video editing equipment. Students will study video technologies, basic equipment operation, video composition and video storytelling. Topics stress the creation of digital video productions for inclusion in multimedia and web applications for educational settings.
- 624. Advanced Digital Photography in Education (3).** Addresses the technical, visual and conceptual challenges involved with digital photography in an educational setting. Topics include digital photography processes, file and storage consideration, image evaluation, image manipulation, and methods for using digital images to develop critical thinking skills.

LIBRARY MEDIA COURSES

Prefix LM

- 510. Library Media Programs (3).** Overview of the design and implementation of the total school library media program. Emphasis is placed on the integration of the information literacy skills throughout the school curriculum. Offered fall and spring semesters.
- 511. Collection Development (3).** Criteria of selection and evaluation of media center materials for building a library media collection to support the curriculum and encourage reading for pleasure. The tools/techniques used in selection all forms of materials and equipment for school library media centers are emphasized. Offered fall and spring semesters.
- 512. Children and Young Adult Literature (3).** Evaluation of books and other materials for junior/senior high school students. Selection aids, selection criteria, and interests, needs, and abilities of young adults emphasized; children's literature component included for those who have not previously taken a children's literature course.
- 513. Management of Media Centers (3).** Policies and procedures relative to the operation of a media center.
- 514. Classification and Cataloging of Media (3).** Principles and procedures of classifying and cataloging print and non-print media.

- 515. **Internship in Media Services (3).** Prerequisite: Permission of the instructor. Directed experience in performing various services in a school library media center. Must be completed at JSU.
- 516. **Practicum in Media Services (3).** Prerequisites: LM 515 and permission of the instructor. Directed experience in performing various services in a school library media center.
- 520. **Reference Materials (3).** Study and evaluation of basic reference sources and services.
- 550. **Technology in Media Centers (3).** The processes and technology involved in the automation of a school media center.
- 555. **Instructional Design (3).** Design and development of a systematic approach to learner-based instruction emphasizing the role of media in the communication process.
- 612. **Advanced Materials for Children and Young Adults (3).** Applies innovative tools and techniques for access and utilization of materials for children and young adults in the classroom as they relate to collaboration with teachers. E-books and other electronic media emphasized. Lesson plans that are technology-oriented will be developed as students explore the integration of a variety of materials as they relate to learning styles and enhancement of learning.

READING SPECIALIST COURSES PREFIX RDG

- 538. **Teaching Reading in ECE (3).** Methods, materials and research findings concerned with beginning reading instruction emphasizing P-3. (RDG 538 is cross-listed with ECE 538 and only one course may be counted for credit.)
- 542. **Teaching Reading (3).** Prerequisite: EED 342 or EED 338 or ESE 383. This advanced course in reading examines the research base, theories, and current issues in reading as well as instructional methods and practices, effective strategy instruction, and assessment. Classroom observations required for the 5th year and/or non-teaching master's students. (EED 542 is cross-listed with RDG 542 and only one course may be counted for credit.)
- 545. **Teaching Language Arts (3).** Scope and sequence of total language arts program in the elementary school; individual research projects. (RDG 545 is cross-listed with EED 545 and only one course may be counted for credit.)
- 567. **Literacy Theory and Practice (3).** Prerequisite: ESE 383 or instructor approval. Teaching reading in subject matter areas and developmental reading for high school students. (RDG 567 is cross-listed with ESE 567 and only one course may be counted for credit.)
- 572. **Assessment and Diagnosis in Reading (3).** Prerequisite: EED 542 or RDG 542. Application of knowledge gained in course work; emphasis placed on using a variety of formal and informal assessment tools to determine the strengths and weaknesses of struggling readers while using this information to implement specialized instruction to enhance the student's literacy development; case study requires collection and interpretation of assessment data, planning, and implementation of remediation lessons for the struggling reader.

573. **Intervention Strategies for Reading Instruction (3).** Prerequisite: EED 542 or RDG 542. Examines research-based best practices in effective intervention strategies for students experiencing difficulties in reading; reading materials and programs will be examined and evaluated in terms of application for effective intervention instruction.
574. **Practicum for Teachers of Reading (3).** Prerequisites: EED 542 or RDG 542; a passing score on the appropriate Praxis II examination is required prior to enrolling in this course. Application of knowledge gained in course work; emphasis placed on providing literacy services in developmental reading or reading intervention programs at a variety of levels.
575. **Internship in the Organization and Supervision of Reading Programs (3).** Prerequisites: EED 542 or RDG 542 and successful completion of the appropriate Praxis II examination. Application of knowledge gained in course work; emphasis placed on designing and implementing literacy programs, planning and providing professional development, providing leadership in literacy instruction and serving as a resource for teachers, administrators, and the community. Must be completed at JSU.

SECONDARY EDUCATION COURSES PREFIX ESE

500. **Research and Statistics in Secondary Education (3).** Provides the foundation for the interpretation and conceptualization of research in secondary education. Instruction will focus on the variety of research methodologies and statistical analysis to develop and incorporate such strategies into action research projects for the 6-12 classrooms. Replaces EFD 500.
505. **Education Methods, Assessment, and Technology in Secondary Schools (3).** Co-requisite: ESE 510. Provides an introduction to basic teaching methodologies, assessment strategies, and available technologies for students seeking alternative certification. Students wishing to take this course must be unconditionally admitted to the Teacher Education Program.
510. **Secondary Practicum One & Tutoring Lab (1).** Co-requisite: ESE 505. Practical experience for students enrolled in ESE 505. Provides a 25 clock-hour, Level II clinical experience, supervised through the Teaching/Learning Center, Ramona Wood Hall and a 25 clock-hour, Level II clinical experience with small groups, supervised by secondary education faculty. Students wishing to take this course must be unconditionally admitted to the Teacher Education Program.
520. **Teaching Mathematics (3).** Materials and methods of teaching mathematics at the secondary level. Requires Teacher Education Program admission. Offered in the Fall and Spring Semesters only.
521. **Teaching Social Sciences (3).** Materials and methods of teaching history and the social sciences at the secondary level. Requires Teacher Education Program admission. Available in fall and spring semesters only.
522. **Teaching Language Arts (3).** Materials and methods of teaching the language arts at the secondary level. Requires Teacher Education program admission. Available in fall and spring semesters only.
523. **Teaching General Science (3).** Materials and methods of teaching the natural and physical sciences at the secondary level. Requires Teacher Education Program admission. Available in Fall and Spring semesters only.

- 534. Secondary Practicum Two (3).** Co-requisite: Students must also be enrolled in the appropriate special methods course ESE 520-523. Practical experience for students enrolled in ESE 520-523. Provides a 150 clock-hour, Level III clinical experience, supervised by secondary education faculty. This practicum allows students to observe the daily functions of teachers and students and teach a minimum of six full lessons in a local school setting. Students wishing to take this course must be unconditionally admitted to the Teacher Education Program.
- 561. Foundational of Secondary Education (3).** Examines the basic schools of thought concerning the foundations of public education with an emphasis on the psychological, sociological, and philosophical impact on the nature of learning and the learner. Students wishing to take this course must be unconditionally admitted to the Teacher Education Program.
- 567. Literacy Theory and Practice (3).** Examines literacy theory and practice in the secondary schools. ESE 567 is cross-listed with RDG 567 and only one course may be counted for credit. Students wishing to take this course must be unconditionally admitted to the Teacher Education Program.
- 570. Critical Inquiry in Mathematics (3).** Provides opportunities to gather, interpret, and evaluate materials related to the teaching of mathematics. Evidence of inquiry may include in-class essay examinations, prepared essays, presentations, projects, etc.
- 571. Critical Inquiry in History and Social Science (3).** Provides opportunities to gather, interpret, and evaluate materials related to the teaching of history and social science. Evidence of inquiry may include in-class essay examinations, prepared essays, presentations, projects, etc.
- 572. Critical Inquiry in English Language Arts (3).** Provides opportunities to gather, interpret, and evaluate materials related to the teaching of language arts. Evidence of inquiry may include in-class essay examinations, prepared essays, presentations, projects, etc.
- 573. Critical Inquiry in Biology and General Science (3).** Provides opportunities to gather, interpret, and evaluate materials related to the teaching of biology and general science. Evidence of inquiry may include in-class essay examinations, prepared essays, presentations, projects, etc.
- 582. Methods of Teaching in Secondary Schools (3).** Contemporary methods of teaching in secondary schools; behavioral objectives, teaching techniques, and group and individualized instruction.
- 585. Assessment and Integration of Technology in Secondary Schools (3).** The purpose of this course is to review the use of assessment procedures which are developmentally appropriate in secondary education.
- 589. Contemporary Issues for Secondary Education Leaders (3).** In-depth study of critical contemporary issues of discipline and classroom management facing education leaders, both in the classroom and in administration, in the secondary education environment.

SPECIAL EDUCATION COURSES

Prefix SPE

- 500. Survey Course in Special Education (3).** Various areas of exceptionality including cognitive impairments, behaviorally disordered, multiple handicapped, learning disabled, gifted and talented, hearing impaired, visually impaired, speech and language disordered, and early education for the handicapped.

505. **Functional Communication (3).** Developmental approach to acquisition of language with emphasis on educational intervention for specific linguistic anomalies.
516. **Characteristics of Mild to Moderate Disabilities (3).** Introduction to potential causes, characteristics, definitions, placement process, classification and the matching of limited forms of intervention with students exhibiting disabilities of learning and behavior.
517. **Methods: Mild to Moderate Disabilities K-6 (3).** Designed to familiarize students with assessment instruments, perspectives, therapeutic techniques, and curriculum materials associated with teaching students with disabilities of learning and behavior.
518. **Methods: Mild to Moderate Disabilities 6-12 (3).** Designed to familiarize students with assessment instruments, perspectives, therapeutic techniques, and curriculum materials associated with teaching students with disabilities of learning and behavior.
522. **Assessment of Special Populations (3).** Focuses on the evaluation process, related strategies and instruments designed to facilitate decision –making for students with various disabilities.
524. **Methods and Strategies for Learning and Behavior (3).** Introduction of inclusion, strategies for creating an inclusive environment, individual curricular and instructional accommodations, as well as individual assessment and program evaluation for students with disabilities.
533. **Applied Behavior Analysis (3).** Practical approach to applied behavior management through demonstration and application of frequently employed models of classroom intervention.
534. **Assessment and Classroom Management (3).** Assessment and evaluation including the technical aspects of testing, the interpretation of test scores, test administration skills, and developing individual education programs from results of the evaluations. Specific intervention techniques to facilitate management of curriculum and behavior.
554. **Medical, Legal, and Ethical Aspects of SPE (3).** Prepare teachers with the following skills: needs of management techniques for students who have communicable diseases, medical diagnosis or who are considered medically fragile, the adverse effect of these conditions on learning and family function; administration of medications and health school care procedures, ability to serve as child advocate, identification of key legal issues.
560. **Characteristics of Severe Disabilities (3).** Prerequisite: SPE 500 or permission of instructor. Broad overview of a typical development and characteristics of low incidence and severe disabilities; focuses on students with low incidence and severe physical, mental, and medical developmental disabilities at the graduate level.
561. **Research and Practices: Severe Disabilities K-6 (3).** Prerequisite: SPE 560 or permission of instructor. Study of methodologies, materials, and management techniques for students with severe physical, mental, and medical developmental disabilities K-6 grades.
562. **Research and Practices: Severe Disabilities 6-12 (3).** Prerequisite: SPE 560 or permission of instructor. Study of methodologies, materials, and management techniques for students with severe physical, mental, and medical developmental disabilities 6th - 12th grades
684. **Advanced Practicum in Special Education/Collaborative Teacher K-6 (3).** Prerequisites: SPE 524, SPE 534, SPE 516, SPE 560, SPE 533, SPE 617 and a passing score on the appropriate Praxis II examination prior to beginning the practicum. This practicum is for EdS candidates who have master's level teacher certification in an area other than Collaborative Teacher/Special

Education. Time will be spent in both a mild to moderate classroom setting as well as a severe disabilities classroom at the K-6 level.

- 685. Advanced Practicum in Special Education/Collaborative Teacher 6-12 (3).** Prerequisites: SPE 524, SPE 534, SPE 516, SPE 560, SPE 533 and SPE 618 and a passing score on the appropriate Praxis II examination prior to beginning the practicum. This practicum is for EdS candidates who have a master's level teacher certification in an area other than Collaborative Teacher/Special Education. Time will be spent in both a mild to moderate classroom setting as well as a severe disabilities classroom at a 6-12 level.
- 581. Practicum in Mild to Moderate Disabilities K-6 (3).** Prerequisites: SPE 516, SPE 517, SPE 533, and SPE 561, permission of the instructor, and a passing score on the appropriate Praxis II examination. Designed to provide 120-150 practicum hours applying previously learned skills in assessing and teaching students with mild disabilities of learning and behavior. Classroom placement will be in an accredited public school classroom for students with mild disabilities at the K-6 level. For traditional programs only. Offered fall semester only.
- 582. Practicum in Mild to Moderate Disabilities 6-12 (3).** Prerequisites: SPE 516, SPE 518, SPE 533, and SPE 562, and permission of the instructor. Designed to provide 120-150 practicum hours applying previously learned skills in assessing and teaching students with mild disabilities of learning and behavior. Classroom placement will be in an accredited public school classroom for students with mild disabilities at the 6-12 level. For traditional programs only. Offered fall semester only.
- 583. Practicum in Disabilities of Learning and Behavior (3).** Prerequisites: SPE 516 and SPE 517 or SPE 518, a passing score on the appropriate Praxis II examination is required prior to taking this course. Designed to provide practicum/internship application of previously learned skills in assessing and teaching students with disabilities of learning and behavior.
- 584. Practicum in Severe Disabilities, K-6 (3).** Prerequisites: SPE 533, SPE 560, and SPE 561, permission of the instructor, and a passing score on the appropriate Praxis II examination. Designed to provide 120-150 practicum hours applying previously learned skills in assessing and teaching students with severe disabilities of learning and behavior. Classroom placement will be in an accredited public school classroom for students with severe disabilities at the K-6 level. For traditional programs only. Offered spring semester only.
- 585. Practicum in Severe Disabilities, 6-12 (3).** Prerequisites: SPE 533, SPE 560, SPE 561, permission of the instructor, and a passing score on the appropriate Praxis II examination. Designed to provide 120-150 practicum hours applying previously learned skills in assessing and teaching students with severe disabilities of learning and behavior. Classroom placement will be in an accredited public school classroom for students with severe disabilities at the 6-12 level. For traditional programs only. Offered spring semester only.
- 586. Practicum in Severe Disabilities (3).** Prerequisites: SPE 560 and SPE 561 or SPE 562; a passing score on the appropriate Praxis II examination is required prior to taking this course. Supervised classroom teaching experience through on-site observation, as well as related assignments and seminars for graduate students in an actual teaching situation; experience provides a vehicle for discussing current practical issues and teaching strategies as they apply to existing problems in the teacher's classroom setting.
- 588. Graduate Internship in Special Education/Collaborative Teacher (3).** Prerequisite: Successful completion of the appropriate Praxis II examination.

Complete semester long internship and earn “pass/fail” upon completion of the course. Students will complete a working portfolio and electronic LiveText portfolio, along with other standard course requirements.

Note: 600 level courses are open only to persons holding master’s degrees.

- 617. Advanced Strategies for Students with Disabilities – Elementary Level (3).** Prerequisite: SPE 300/500. This course is designed to present specialist students with preparation in learning, reading, writing, note taking, math, social skills, content, and transition strategies for persons at the elementary level.
- 618. Advanced Strategies for Students with Disabilities – Secondary Level (3).** Prerequisite: SPE 300/500. This course is designed to present specialist students with preparation in learning, reading, writing, note taking, math, social skills, content, and transition strategies for persons at the secondary level.
- 620. Curriculum Development Seminar in Special Education (3).** Individual student review and development of curriculum in special education field of interest; analysis of principles of early and present curricula and validity of prevailing practice.
- 624. Writing for Professional Publication (3).** Refine and develop professional writing skills.
- 661. Advanced Research and Practices of Severe Disabilities, K-6 (3).** Prerequisite: SPE 560 or permission of instructor. Advanced study of methodologies, materials, and management techniques for students with severe physical, mental, and medical developmental disabilities K-6th grade. The purpose is to enhance the capacity of teachers as creative decision makers who are committed to and capable of facilitating student learning in appropriate settings.
- 662. Advanced Research and Practices of Severe Disabilities, 6-12 (3).** Prerequisite: SPE 560 or permission of instructor. Advanced study of methodologies, materials, and management techniques for students with severe physical, mental, and medical developmental disabilities 6th – 12th grade. The purpose is to enhance the capacity of teachers as creative decision makers who are committed to and capable of facilitating student learning in appropriate settings.

DSc IN EMERGENCY MANAGEMENT

The Doctor of Science degree requires a total of 60 semester credit hours. Required coursework includes 42 hours in administration and policy, practice areas, and research methods and statistics, plus a minimum of 18 hours of dissertation credit. In addition, applicants must hold a master's degree. While courses are delivered online, students are required to participate in a weeklong seminar on campus once each academic year.

Upon completion of the required 42 hours of coursework, doctoral students are required to pass three qualifying exams. Accommodations will be made to support students with either onsite or offsite qualifying exam administration. After students have passed all three exams, they may advance to doctoral candidacy.

Doctoral candidates will complete an applied research dissertation. The candidate must enroll for a minimum of 18 hours of dissertation credit during candidacy. All requirements for the degree must be completed in ten years.

Integrative Seminar (In-Residence; 2 hours each; 6 hours required)

- EM 802 Integrative Seminar (1st Year)
- EM 804 Integrative Seminar (2nd Year)
- EM 806 Integrative Seminar (3rd Year)

Administration and Policy (3 hours each; 9 hours required)

- EM 812 Disaster Management Principles and Practice
- EM 814 Interdisciplinary Disaster Theory and Research
- EM 823 Institutional Context and Emergency Management Policy
- EM 825 Systems Thinking and Applications in Emergency Management

Practice Areas (3 hours each; 6 hours required)

- EM 832 Hazards Risk Management and Community Resilience
- EM 834 Risk-Based Response and Recovery Strategy Development and Operations
- EM 843 Emergency Management Program Management

Research Methods and Statistics (3 hours each; 12 hours required)

- EM 853 Research Design
- EM 855 Advanced Data Analysis (See note below)
- EM 862 Cost-Benefit Analysis or
- EM 864 Qualitative Research or
- EM 866 Evaluation Research or
- EM 868 and EM 869 Directed Research

Electives (3 hours each; 9 hours required)

- EM 871 Voluntary and Nonprofit Disaster Management
- EM 873 Health Care Systems in Disaster
- EM 875 Risk Communication
- EM 877 Crisis Leadership and Management
- EM 878 IT Applications for Emergency Management
- EM 879 Spatial Analysis and GIS for Emergency Management
- EM 882, 884, and 886 Directed Study

Dissertation (3 hours each; 18 hours required)

- EM 899 Dissertation Research

APPLICATION MATERIALS AND DEADLINES REQUIRED FOR THE D.SC. IN EMERGENCY MANAGEMENT

Applicants for the Doctor of Science in Emergency Management degree must hold a master's degree and must submit all of the following documentation to the College of Graduate Studies, Jacksonville State University, 700 Pelham Road North, Jacksonville, AL 36265-1602, to be considered for admission:

1. Completed JSU Graduate Application for Admission.
(http://www.jsu.edu/graduate/grad_app.html)
2. Non-refundable \$30 application processing fee.
3. A Statement of Purpose setting forth career goals and research interests.
4. A resume including education, employment, and service activities.
5. Three "Graduate Reference Forms" completed by individuals who can provide qualitative assessment of applicant's potential for success in doctoral course work and citing potential professional leadership ability.
6. Official transcript(s) from all postsecondary institutions attended. (Students who have previously attended JSU do not need to request a transcript from the University.) For international postsecondary institutions, please see section entitled International Student Applicants in the *Graduate Bulletin*.
7. Official test scores on the Graduate Record Exam (GRE) taken within five years of enrollment.
8. If English is not the applicant's native language, the applicant is required to submit an official TOEFL score report, an IELTS score report, or a PTE score report (please refer to page 28 of this *Bulletin*).

See the College of Graduate Studies website for forms and fee information. All items must be sent to the College of Graduate Studies, Jacksonville State University, 700 Pelham Road North, Jacksonville, Alabama 36265-1602. Applications are considered for admission for the fall semester only and all materials must be received in the College of Graduate Studies by March 31. Applications completed after March 31 will be considered for admission in the fall semester of the following year.

EMERGENCY MANAGEMENT

The Department of Emergency Management (EM) offers courses leading to the MS with a major in Emergency Management. This degree balances conceptual knowledge in emergency management with skill acquisition in crisis management, hazard assessment and other analytic and management skills.

The Department of Emergency Management (EM) also offers courses for the MPA with a major in public administration and a concentration in emergency management and supporting courses for the MA with a major in liberal studies. For information on the MPA, please refer to the Public Administration section of this *Bulletin*. For information on the MA with a major in liberal studies, please see the Liberal Studies section of this *Bulletin*.

A graduate certificate in emergency management is also available for non-degree students who wish to specialize in the area of emergency management. Upon satisfactorily completing the requirements of the graduate certificate (comprehensive examination not required for graduate certificate), an entry will be made on the student's transcript. A student who completes the graduate certificate in emergency management may apply the 15 hours credit toward the MA with a major in liberal studies, MPA with a concentration in emergency management, or the MS with a major in emergency management. All course work for the MA, MPA, and MS degrees, including the emergency management concentration course work, must be completed within six years.

APPLICATION MATERIALS REQUIRED FOR THE MS WITH A MAJOR IN EMERGENCY MANAGEMENT

Applicants for the MS with a major in Emergency Management may be permitted to enroll for one semester of graduate course work while completing all other general application procedure requirements.

Applicants for the MS with a major in emergency management must submit all of the following documentation to the College of Graduate Studies, Jacksonville State University, 700 Pelham Road North, Jacksonville, Alabama 36265-1602, to be considered for admission:

1. Completed JSU Graduate Application for Admission (http://www.jsu.edu/graduate/grad_app.html.)
2. Non-refundable \$30.00 application processing fee
3. Official transcripts(s) from all postsecondary institutions attended. (Students who have previously attended JSU do not need to request a transcript from the University.)
4. Official tests scores on the General Test of the GRE or the MAT (please refer to page 18 of this *Bulletin*).
5. Three "Graduate Reference Forms" completed by individuals who can provide qualitative assessment of the applicant's potential for success in graduate course work. This form is available in the office of the College of Graduate Studies or online at <http://www.jsu.edu/graduate/forms.html> or http://www.jsu.edu/graduate/docs/ref_form.pdf.

6. If English is not the applicant's native language, the applicant is required to submit an official TOEFL score report, an IELTS score report, or a PTE score report (please refer to page 28 of this *Bulletin*).

ADMISSION REQUIREMENTS FOR THE MS WITH A MAJOR IN EMERGENCY MANAGEMENT

A particular undergraduate major is not specified for admission to the program.

Applicants must meet one of the following formula requirements. For purposes of computing the undergraduate GPA, a 4.0 grade-point scale is used. The plus (+) and minus (-) grades from undergraduate transcripts are not used in calculating the GPA.

Unconditional Admission

450 times the undergraduate GPA plus the total score of the verbal and quantitative sections of the General Test of the GRE is equal to or greater than a total of 2250 points;

OR

15 times the undergraduate GPA plus the MAT score is equal to or greater than a total of 80 points;

OR

450 times the undergraduate GPA on the **last 64 hours attempted** toward completion of the initial undergraduate degree plus the total score of the verbal and quantitative measures of the General Test of the GRE is equal to or greater than a total of 2250 points;

OR

15 times the undergraduate GPA on the **last 64 hours attempted** toward completion of the initial undergraduate degree plus the MAT score is equal to or greater than a total of 80 points.

Conditional Admission

Any applicant failing to meet the requirement for unconditional admission may be conditionally admitted with the recommendation of the graduate faculty in the applicant's major and approval of the Dean of the College of Graduate Studies.

Applicants who are granted conditional admission must achieve a GPA of at least 3.0 on the first 12 graduate hours attempted within a twelve-month time frame. Failure to meet these conditions will result in the student being dropped from graduate studies.

MINIMUM REQUIREMENTS FOR THE MS WITH A MAJOR IN EMERGENCY MANAGEMENT

A total of 30 graduate semester hours is required for the degree with 21 required hours of emergency management courses and 9 hours of approved emergency management electives. Courses taken in other fields must be approved by the Department Head of Emergency Management (EM) for recommendation to the Dean of Graduate Studies.

MASTER OF SCIENCE MAJOR: EMERGENCY MANAGEMENT

Required Emergency Management Courses (21 semester hours):

- EM 505 Foundations of Emergency Management (3)
- EM 525 Disaster Recovery (3)
- EM 530 Research Methods in Emergency Management (3)
- EM 540 Hazard Mitigation (3)
- EM 545 Emergency Preparedness (3)
- EM 555 Disaster Response (3)
- EM 590 Capstone in Emergency Management (3)

Electives (9 semester hours):

Elective courses should be based on student interest and career objectives and are to be chosen from any 500 level emergency management elective offerings at JSU.

- EM 515 Legal Aspects of Emergency Management (3)
- EM 528 Maritime Transportation (3)
- EM 535 Terrorism and Homeland Security (3)
- EM 548 Vulnerability and Capacity-Building (3)
- EM 565 Management Systems in Disaster (3)
- EM 568 Crisis Management for Business and Industry (3)
- EM 570 Biosecurity (3)
- EM 575 Health and Medical Aspects of Emergency Management (3)
- EM 580 Current Issues in Homeland Security (3)
- EM 581 Disaster Analysis (3)
- EM 585 The Military's Role in Disaster Relief (3)
- EM 586 Special Topics in Emergency Management (3)
- EM 595 Directed Studies (3)
- EM 596 Internship (3)
- EM 598 Emergency Management Leadership and Organizational Behavior (3)

30 Graduate Semester Hours Required for this Degree

Course descriptions for the emergency management courses are provided on pages 214-217.

APPLICATION MATERIALS REQUIRED FOR A GRADUATE CERTIFICATE IN EMERGENCY MANAGEMENT

This certificate provides students with graduate level instruction in Homeland Security, and balances conceptual knowledge in emergency management with skill acquisition in crisis management, hazard assessment and other analytic and management skills.

Applicants for the graduate certificate in emergency management must submit all the following documentation to the College of Graduate Studies, Jacksonville State University, 700 Pelham Road North, Jacksonville, Alabama 36265-1602 to be considered for admission:

1. Completed JSU Graduate Application for Admission (http://www.jsu.edu/graduate/grad_app.html)
2. Non-refundable \$30.00 application processing fee
3. Official transcripts from the postsecondary institutions awarding the bachelor's degree. (Students who have previously attended JSU do not need to request a transcript from the University.)
4. If English is not the applicant's native language, the applicant is required to submit an official TOEFL score report, an IELTS score report, or a PTE score report (please refer to page 28 of this *Bulletin*).

MINIMUM REQUIREMENTS FOR A GRADUATE CERTIFICATE IN EMERGENCY MANAGEMENT

The student must complete the 15 semester hours of required emergency management concentration courses listed below. A student who completes the graduate certificate may apply the 15 hours of credit toward the MS with a major in emergency management, the MPA with a concentration in emergency management, or the MA with a major in liberal studies.

Required Courses for the Graduate Certificate in Emergency Management (15 semester hours):

- EM 505 Foundations of Emergency Management (3)
- EM 525 Disaster Recovery (3)
- EM 540 Hazard Mitigation (3)
- EM 545 Emergency Preparedness (3)
- EM 555 Disaster Response (3)

Course descriptions for the emergency management courses are provided on pages 214-217.

EMERGENCY MANAGEMENT COURSES
PREFIX EM

- 505. Foundations of Emergency Management (3).** History of the profession; contemporary emergency management concepts, functions, and practices for government, nonprofit organizations, and the private sector.
- 511. Disasters and the Media (3).** Course examines the portrayal of disasters in electronic and print media. Emphasis will be on the impact that newspapers, websites, television, social media, and film have on affecting individual and societal constructions of natural disasters, terrorist attacks, and man-made disasters. Each of the four phases of emergency management will be discussed from the perspective of social, political, and cultural implications of media coverage or lack of coverage.
- 515. Legal Aspects of Emergency Management (3).** Legal context and constraints for emergency management; administrative law, administrative discretion, and liability.
- 525. Disaster Recovery (3).** Prerequisite: EM 505. Processes for short- and long-term recovery for individuals, families, and communities; provision of recovery assistance by both public and voluntary sectors.
- 528. Maritime Transportation Security (3).** Historical aspects of shipping vulnerability including: seaports, ships, cargoes, operations, commerce, government coordination, international security conventions and practices, and related technology. Case studies of recent events and new initiatives in international maritime transportation security will be examined.
- 530. Research Methods in Emergency Management (3).** Comprehensive coverage of major analytical and statistical tools used in emergency management program administration.
- 535. Terrorism and Homeland Security (3).** Prerequisite: EM 505. Incident management approaches for domestic and international terrorism; anti and counter-terrorism organizational roles, responsibilities, and coordination, homeland security initiatives.
- 540. Hazard Mitigation (3).** Prerequisite: EM 505. Mitigation concepts, implementation approaches, and planning.
- 545. Emergency Preparedness (3).** Prerequisite: EM 505. Preparedness frameworks and strategies; techniques of emergency operations planning, exercise design and evaluation, and public education.
- 548. Vulnerability and Capacity-Building (3).** Prerequisite: EM 505. Individual, social, economic and policy dimensions of vulnerability and client needs for disaster; service delivery strategies, coordination models, resource management and capacity building for nonprofit disaster relief organizations.
- 555. Disaster Response (3).** Prerequisite: EM 505. Context of disaster response, response functions, assessment, resource mobilization and adjudication, and emergency operations center (EOC) operations.
- 565. Management Systems in Disaster (3).** Prerequisites: EM 505, EM 525, and EM 555. Integration of emergency management functions, response structures, technology use, information management, and decision-making.
- 568. Crisis Management for Business and Industry (3).** Prerequisite: EM 505. Contingency planning, business impact analysis, business resumption processes, risk/crisis communication and management, disaster recovery and organizational continuity.

570. **Biosecurity (3).** A detailed review of global concerns for biosecurity including the history of biological warfare, bioterrorism, concerns for agroterrorism and current initiatives in bio-defense. Included will be a thorough review of specific agents, the diseases they cause, detection methodologies, and consequence management consideration.
575. **Medical Aspects of Emergency Management (3).** Prerequisites: EM 505, EM 525, and EM 555. Surveillance and rapid needs assessment, disaster epidemiology, disaster medical systems and approaches, and disaster mental health.
580. **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. Innovations and reactions from politicians and citizens will serve to offer students insight into the challenges of implementing and maintaining homeland security.
581. **Disaster Analysis (3).** The course will focus on modeling and simulation of high consequence events as a means of preparing emergency managers for future disasters. Several types of high consequence disasters will be examined from the perspectives of preparedness, prevention, decision-making, and effective response.
585. **The Military's Role in Disaster Relief (3).** Prerequisite: EM 505. A historical review of the military role in disaster relief and humanitarian support missions. Primary emphasis will be on recent case studies of major disasters. The course will also discuss the possible expanding role of the military in future natural disasters and CBRN events. Students will conduct a small research project to explore a current issue surrounding the use of the US military in domestically-based incidents.
586. **Special Topics in Emergency Management (3) (3) (3).** An in-depth study of selected topics in Emergency Management.
590. **Capstone in Emergency Management (3).** Prerequisites: EM 505 and three of the following four courses: EM 525, EM 540, EM 545, and EM 555. Should be taken in the last term of program of study. Integration and synthesis of theory and practice for emergency management.
595. **Directed Studies (3).** Prerequisites: Permission of the instructor and approval of the program director. In-depth study of selected topic of special project.
596. **Internship (3).** Prerequisites: Permission of the instructor and approval of the program director. Supervised practice experience in a professional emergency management setting.
598. **Emergency Management Leadership and Organizational Behavior (3).** Prerequisite: EM 505. Leadership and organizational theory for emergency management; conflict management, use of power, group dynamics, and team performance.
- 802, 804, 806. **Integrative Seminar (2) (2) (2).** On-campus integrative seminar during the first three years of program of study. Specialized topics include how to review and critique scholarly literature and research findings, how to present scholarly work at conferences, and how to write for journal publication. Opportunities for students to exchange ideas, present their work, and interact with faculty. Includes special topics of current interest.
812. **Disaster Management Principles and Practice (3).** In depth analysis of disaster management principles and practice, including historical and emergent trends and conditions relevant to the current state-of-the-practice and standards, plus further development.

- 814. Interdisciplinary Disaster Theory and Research (3).** Examination of the major theoretical topics, questions, and literature that inform the discipline and practice of emergency management, with topics including the nature of disaster, human and organizational behavior under stress, and risk perception and communication. An interdisciplinary approach whereby students think critically about the epistemological assumptions of alternative theoretical perspectives and divergent policy approaches.
- 823. Institutional Context and Emergency Management Policy (3).** Analysis of political, administrative, and fiscal relationships among governments in the provision of emergency management programs and disaster relief policy in the American political system. Exploration of the role of society in shaping institutions and how these institutions influence and structure Public policy making and administration.
- 825. Systems Thinking and Applications in Emergency Management (3).** Analysis and application of systems thinking concepts and methodologies to problems encountered in emergency management.
- 832. Hazards Risk Management and Community Resilience (3).** Tools and methods used to manage risk associated with the hazards facing a community; role of emergency management programs in community resilience and sustainability.
- 834. Risk –Based Response and Recovery Strategy Development and Operations (3).** Explores strategies public officials employ to cope with disasters and their impacts, risk-based operational considerations, and management structures.
- 843. Emergency Management Program Management (3).** Examines emergency Management functional demands and program delivery on a day-to-day basis; considers managerial practices such as communication with the public, the meaning of public service, making effective presentations to governing boards and legislatures, effective meetings and group facilitation, citizen engagement, media relations and ethics.
- 853. Research Design (3).** Social science research methods including research design and approaches to inquiry (quantitative, qualitative, experimental, evaluation), the role of theory in empirical research, causal inference, and reporting and reviewing research.
- 855. Advanced Data Analysis (3).** An examination of statistical and research techniques appropriate to emergency management applied research, including descriptive statistics, probability theory, sampling and statistical inference, hypothesis testing, regression and correlation analysis, analysis of variance, modeling, and techniques for data reduction (e.g., factor analysis). Prerequisite: EM 853 (may take concurrently).
- 862. Cost-Benefit Analysis (3).** Research, measurement and methodological Requirements for the assessment of benefits and costs of programs and projects. Prerequisites: EM 853 and EM 855.
- 864. Qualitative Research (3).** Examination of qualitative methods that can be applied in the study of disasters; explores a range of activities necessary to perform disaster field research. Prerequisites: EM 853 and EM 855.
- 866. Evaluation Research (3).** Practical application of appropriate social science Research methodology to assess the efficiency and effectiveness of public sector and nonprofit policies and programs, with topics including how to

develop an evaluation plan; evaluation types such as process, impact, cost-benefit, and cost-effectiveness evaluations; and management of evaluation projects. Prerequisites: EM 853 and EM 855

868 and 869. Directed Research (3). Directed reading and research in fields of special interest. Prerequisite: consent of program director.

871. Voluntary and Nonprofit Disaster Management (3). Unique considerations of nonprofit disaster management and service delivery, including volunteer administration, donations management, fundraising, and cross-sector collaboration. Prerequisite: EM 834.

873. Health Care Systems in Disaster (3). Overview of emergency management considerations for health and medical professionals and range of medical, public health, behavioral and psychological problems associated with disaster; incident management processes and organization that integrate health and medical assets into the response. Prerequisite: EM 834.

875. Risk Communication (3). Examines theories related to risk perception and behavior; principles of risk communication and special communication challenges with diverse audiences; and development of crisis and emergency risk communication plans.

877. Crisis Leadership and Management (3). Classic and contemporary theories and models of leadership, with emphasis on the role of leadership in crisis situations; principles of crisis management.

878. IT Applications for Emergency Management (3). Explores the importance of information in emergency management; information requirements and breakdowns; and information technologies applied to crisis and disaster situations.

879. Spatial Analysis and GIS for Emergency Management (3). Disaster-related applications of spatial analysis techniques; use of GIS software.

882, 884, and 886. Directed Study (3) (3) (3). Independent study under the direction of the instructor. Prerequisite: consent of program director.

899. Dissertation Research (3) (3) (3) (3) (3) (3). Prerequisite: consent of program director. At least 18 credit hours required; no credit assigned until dissertation has been completed and filed with the graduate dean. Continuous enrollment required subsequent to passing qualifying exams for admission to candidacy. Students may register for 3, 6, or 9 hours per semester.

ENGLISH

The English Department offers courses leading to the MA with a major in English and supporting courses for the MA with a major in liberal studies. For students majoring in secondary education with a teaching field in English Language Arts, supporting courses are offered for the MS.Ed. and the Ed.S. degrees.

APPLICATION MATERIALS REQUIRED FOR THE MA WITH A MAJOR IN ENGLISH

Applicants for the MA with a major in English will be permitted to enroll for one semester of graduate course work while completing all other general application procedure requirements.

Applicants for the MA with a major in English must submit all of the following documentation to the College of Graduate Studies, Jacksonville State University, 700 Pelham Road North, Jacksonville, Alabama 36265-1602, to be considered for admission:

1. Completed JSU Graduate Application for Admission (http://www.jsu.edu/graduate/grad_app.html)
2. Non-refundable \$30.00 application processing fee
3. Official transcripts(s) from all postsecondary institutions attended. (Students who have previously attended JSU do not need to request a transcript from the University.)
4. Official tests scores on the General Test of the GRE or the MAT (please refer to page 18 of this *Bulletin*).
5. Three "Graduate Reference Forms" completed by individuals who can provide qualitative assessment of the applicant's potential for success in graduate course work. This form is available in the office of the College of Graduate Studies or online at <http://www.jsu.edu/graduate/forms.html> or http://www.jsu.edu/graduate/docs/ref_form.pdf.
6. If English is not the applicant's native language, the applicant is required to submit an official TOEFL score report, an IELTS score report, or a PTE score report (please refer to page 28 of this *Bulletin*).

ADMISSION REQUIREMENTS FOR THE MA WITH A MAJOR IN ENGLISH

In addition to meeting general admission requirements of the College of Graduate Studies, applicants for the MA with a major in English must have an undergraduate minor in English or its equivalent, as determined by the head of the English Department.

Applicants must meet one of the following formula requirements. For purposes of computing the undergraduate GPA, a 4.0 grade-point scale is used. The plus (+) and minus (-) grades from undergraduate transcripts are not used in calculating the GPA.

Unconditional Admission

450 times the undergraduate GPA plus the total score of verbal and quantitative sections of the General Test of the GRE is equal to or greater than a total of 1600 points;

OR

15 times the undergraduate GPA plus the MAT score is equal to or greater than a total of 60 points;

Conditional Admission

Any applicant failing to meet the requirements for unconditional admission may be conditionally admitted with the recommendation of the graduate faculty in the applicant's major and approval of the Dean of the College of Graduate Studies.

Applicants who are granted conditional admission must achieve a GPA of at least 3.0 on the first 12 graduate hours attempted within a twelve-month time frame. Failure to meet these conditions will result in the student being dropped from graduate studies.

**MINIMUM REQUIREMENTS FOR THE
MA WITH A MAJOR IN ENGLISH****Non-Thesis Option:**

Total of 30 graduate semester hours in approved English courses, including EH 501, which English MA students must successfully complete within their first 15 hours of graduate English study, and three semester hours in Shakespeare at either the undergraduate or graduate level.

Thesis Option:

Total of 30 graduate semester hours. Minimum of 24 hours in approved English courses, including EH 501, which English M.A. students must successfully complete within their first 15 hours of graduate English study, and three semester hours in Shakespeare at either the undergraduate or graduate level, and six hours of thesis. See "Thesis Options and Procedures" on page 45 of this *Bulletin*.

Upon advisement, students may be required to demonstrate foreign language proficiency when a chosen program of study requires translation skills.

ENGLISH COURSES
Prefix EH

- 401G. Chaucer (3).** The poet against the background of the Middle Ages.
- 402G. Special Studies in the English Renaissance (3).** Dedicated to selected writers, themes, or genres.
- 408G. Theory of Composition (3).** A study of current theory and practices in composition studies.
- 409G. The Art of the Film (3).** A consideration of the motion picture in its artistic, technical, and historical contexts. A number of films by major directors will be viewed, ranging from the comedies of the thirties and forties to the work of Alfred Hitchcock and the fantasy of the Hollywood musical.
- 410G. American Drama (3).** Examination of American drama as theater 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, and Edward Albee, Beth Henley and August Wilson.
- 411G. Eighteenth-Century Literature (3).** Survey of eighteenth-century English writers, focusing on major satirists such as Dryden, Pope, Swift, and Fielding; Johnson and his circle; some of the major novelists and dramatists; survey of "Pre-Romantics" (the poets of "sensibility").
- 412G. Victorian Poetry (3).** Tennyson, Elizabeth Barrett and Robert Browning, Arnold, Swinburne, and other poets of the Victorian era.
- 413G. English Drama (3).** Medieval background of Elizabethan drama and reading of representative plays of the Tudor and Stuart periods.
- 420G. Women's Literature (3).** Six centuries of representative literature by women; emphasis on recent British, American, ethnic-American authors; discussion of women writers in relation to the traditional canon.
- 441G. The History of the English Language (3).** Study of the origins and developments of the English language from Old English through Modern English, focusing on the historical, cultural, and linguistic forces affecting language change.
- 442G. Black Writers in America (3).** Study of major twentieth-century writers, including Wright, Ellison, Hughes, Baldwin, Toni Morrison, Alice Walker, and others.
- 452G. Literary Criticism (3).** Prominent themes and theories, various critical approaches, and outstanding examples of literary criticism from Plato to feminism and African-American literary theory.
- 467G. Twentieth-Century English Fiction (3).** British fiction of the twentieth century, including short stories and novels by modern and postmodern authors.
- 484G. Current New York Theatre (3).** Study of the New York theatre at the time the course is offered; attending four current Broadway productions; visiting Lincoln Center for the Performing Arts and major art museums such as the Metropolitan Museum of Art, the Museum of Modern Art, and others.
- 501. Advanced Research Techniques in Literature (3).** Techniques of literary research, critical and theoretical approaches, varieties of scholarly production, analysis and interpretation of literary texts. English M.A. students must successfully complete this course within their first 15 hours of graduate English study.
- 502. Studies in Nineteenth-Century American Literature (3).** Important literature of the century; writers examined may include Emerson, Thoreau, Whitman, Hawthorne, Melville, Twain, Dickinson, Douglass, and Jacobs.

510. **The Eighteenth-Century Novel (3).** Major novels of Defoe, Richardson, Fielding and such minor figures as Behn, Smollett, Goldsmith, Burney, and the early Gothic novelists.
512. **Organizational Speech Communication (3).** Analysis of speech communication variables operating in educational, volunteer, and governmental organizations.
551. **Writing Project Summer Institute (3).** Prerequisite: Admission to JSU Writing Project. (EH 551 must be taken in conjunction with EH 552.) Intensive study of theory and methodology of composition and composition instruction.
552. **Summer Institute Practicum (3).** Prerequisite: Admission to JSU Writing Project. (EH 552 must be taken in conjunction with EH 551.) Extensive writing and critiquing, with research and presentations on writing.
553. **Contemporary American Literature (3).** Twentieth-century American literature, with emphasis on the work of major poets, novelists, dramatists, and non-fiction writers.
554. **Contemporary European Literature (3).** Twentieth-century continental literature including such foundational figures as Mann, Kafka, Proust, Gide, Valery, and Pirandello; recent writers such as Alberto Moravia, Jean Anouilh, Andre Malraux, Jean-Paul Sartre, Simone de Beauvoir, Salvatore Quasimodo, Elio Vittorini, and Boris Pasternak.
555. **Literature of the South (3).** Best of Southern literature with emphasis on the work of major writers.
556. **Victorian Literature (3).** Prose fiction and nonfiction of the Victorian Age.
557. **Studies in Non-Dramatic Elizabethan Literature (3).** Literature of the late sixteenth and early seventeenth centuries, with emphasis as the instructor desires.
558. **Studies in Romantic Literature (3).** English literature of the late eighteenth and early nineteenth centuries; emphasis on Blake, William and Dorothy Wordsworth, Coleridge, Byron, Mary and Percy Shelley, and Keats; writers such as Godwin, Wollstonecraft, Burke, Paine, Barbauld, Smith, Hemans, Hazlitt, Hunt, and Clare also featured.
562. **Studies in Shakespeare (3).** Reading of representative works of Shakespeare, with attention to the history of Shakespearian scholarship and criticism.
564. **Middle English Literature (3).** Literature of England during the Middle Ages with emphasis on the romance and its background in general European literature.
565. **Seventeenth-Century English Literature (3).** Poetry and prose of the seventeenth century.
570. **Special Problems (3).** Special readings and assignments approved by department head and instructor after consideration of the student's background.
571. **Shakespeare's England (3).** Part of program of study in Stratford-upon-Avon; visits to places associated with Elizabethan literature and extensive reading on social history of the period.
580. **Shakespeare in the Theatre (3).** Part of program of study in Stratford-upon-Avon; attendance at plays presented by the Royal Shakespeare Company and other companies with lectures and discussions on the plays; consideration may be given to modern playwrights also, depending on the RSC production schedule.
599. **Thesis (3) (3).** (Grade of Pass or Fail only) Prerequisite: Approval of Application for Thesis Option. See "Thesis Options and Procedures" on page 42 of this *Bulletin*.

ENVIRONMENTAL SCIENCE MANAGEMENT

The Department of Physical and Earth Sciences offers core courses and an area of concentration in environmental science management within the MPA degree program and supporting courses for the MA with a major in liberal studies. Please refer to the Liberal Studies and Public Administration sections of this *Bulletin* for application materials required, admission requirements, and program requirements for these programs.

A [graduate certificate in environmental science management](#) is also available for non-degree students who wish to specialize in the area of environmental science management. Upon satisfactorily completing the requirements of a [graduate certificate](#) (comprehensive examination not required for graduate certificate), an entry will be made on the student's transcript. A student who completes the graduate certificate in environmental science management may apply the 15 hours credit toward the MA with a major in liberal studies or the MPA with a concentration in environmental science management. All course work for the MA and MPA degrees, including the environmental science management course work, must be completed within six years.

APPLICATION MATERIALS REQUIRED FOR A GRADUATE CERTIFICATE IN ENVIRONMENTAL SCIENCE MANAGEMENT

Applicants for the [graduate certificate in environmental science management](#) may be permitted to enroll for one semester of graduate course work while completing all other general application procedure requirements.

Applicants for the graduate certificate in environmental science management must submit all the following documentation to the College of Graduate Studies, Jacksonville State University, 700 Pelham Road North, Jacksonville, Alabama 36265-1602 to be considered for admission:

1. Completed JSU Graduate Application for Admission (http://www.jsu.edu/graduate/grad_app.html)
2. Non-refundable \$30.00 application processing fee
3. Official transcripts from the postsecondary institutions awarding the bachelor's degree. (Students who have previously attended JSU do not need to request a transcript from the University.)
4. If English is not the applicant's native language, the applicant is required to submit an official TOEFL score report, an IELTS score report or a PTE score report (please refer to page 28 of this *Bulletin*).

**REQUIRED ENVIRONMENTAL SCIENCE MANAGEMENT
COURSES FOR A GRADUATE CERTIFICATE
IN ENVIRONMENTAL SCIENCE MANAGEMENT**

This certificate focuses on the systematic study of map-making and the application of mathematical, computer, and other techniques to the analysis of large amounts of geographic data and the science of mapping geographic information.

The student must complete the 15 semester hours of required environmental science management concentration courses listed below:

- ESC 490G Environmental Auditing (3)
- ESC 495G Risk Analysis (3)
- ESC 496G Watershed Management (3)
- ESC 510 Environmental Laws and Regulations (3)
- ESC 535 Integrated Waste Management (3)

15 Graduate Semester Hours Required for this Program

ENVIRONMENTAL SCIENCE MANAGEMENT COURSES
Prefix ESC

- 444G. Topics in Environmental Conservation (3) (3).** Prerequisites: ESC 500 or its equivalent. In-depth examination of various conservation issues. Topic selection varies, see instructor. May be duplicated for credit for a total of six semester hours.
- 490G. Environmental Auditing (3).** Prerequisite: ESC 500 or its equivalent. Overview of systematic auditing techniques with a focus on regulatory compliance, liability, environmental awareness, and ethics. The course will also cover process mapping as a tool of auditing, the new international standards (ISO 14000) and their implications on future industrial activity. Course will conclude with a class audit of a local facility and software application.
- 495G. Risk Analysis (3).** Prerequisite: ESC 500 or its equivalent. An in-depth study of methodologies for human and environmental risk analysis, with a focus on hazardous chemical releases. Case studies will be evaluated and compared.
- 496G. Watershed Management (3).** Prerequisites: ESC 300 or ESC 500 or their equivalents. Fundamental principles of the hydrologic processes occurring in watersheds. The material will cover the hydrologic impacts of management activities on watersheds such as: urbanization, farming, forestry, and recreational use. Case studies of watershed management techniques will be used to illustrate problems confronting our nation waters.
- 500. Concepts in Environmental Science (3).** Overview of environmental science principles, environmental health effects of pollutants, and a discussion of possible solutions that can be implemented to minimize or eliminate damage to Earth. Emphasizes the interdisciplinary nature of environmental issues and their solutions. ESC 500 cannot be used to meet program/concentration requirements for graduation.

- 510. Environmental Laws and Regulations (3).** Prerequisite: ESC 500 or its equivalent. Laws, regulations, and policies regarding environmental quality. Review of local, state, and national inter-relationships with regard to promulgating environmental regulations. Local issues confronting regulatory agencies will be used to illustrate systems of pollution control and management.
- 535. Integrated Waste Management (3).** Prerequisite: ESC 500 or its equivalent. Overview of solid and hazardous waste issues at the local, state, national, and international levels. The focus on waste management will include a systems approach to waste separation and reuse, treatment and disposal of waste from both municipal and industrial activities.
- 541. Groundwater Hydrology (3).** Prerequisite: ESC 500 or its equivalent. Basic principles of groundwater hydrology and transport of contaminants in groundwater systems; groundwater system characteristics; hydrologic properties of earth materials.
- 565. Hazardous Waste Remediation (3).** Prerequisite: ESC 500 or its equivalent. An overview of physical, chemical and biological techniques for treatment of hazardous wastes, and the application of these techniques to decontaminate soil, water, and air. Case studies will illustrate current field techniques.
- 591. Directed Research (3).** Prerequisites: Permission of the instructor and approval of the department head and ESC 500 or its equivalent. In depth study of selected topic(s).

GEOGRAPHICAL INFORMATION SYSTEMS

The Department of Physical and Earth Sciences offers core courses and an area of concentration in geographical information systems (GIS) within the MPA degree program and supporting courses for the MA with a major in liberal studies. Please refer to the Liberal Studies and Public Administration sections of this *Bulletin* for application materials required, admission requirements, and program requirements these programs.

A [graduate certificate in geographical information systems](#) is also available for non-degree students who wish to specialize in the area of geographical information systems. This [certificate](#) focuses on the systematic study of map-making and the application of mathematical, computer, and other techniques to the analysis of large amounts of geographic data and the science of mapping geographic information. Upon satisfactorily completing the requirements of a [graduate certificate](#) (comprehensive examination not required for [graduate certificate](#)), an entry will be made on the student's transcript. A student who completes the [graduate certificate in geographical information systems](#) may apply the 15 hours credit toward the MA with a major in liberal studies or the MPA with a concentration in geographical information systems. All course work for the MA and MPA degrees, including the geographical information systems course work, must be completed within six years.

APPLICATION MATERIALS REQUIRED FOR A [GRADUATE CERTIFICATE IN GIS](#)

Applicants for the [graduate certificate in geographical information systems](#) may be permitted to enroll for one semester of graduate course work while completing all other general application procedure requirements.

Applicants for the [graduate certificate in geographical information systems](#) must submit all the following documentation to the College of Graduate Studies, Jacksonville State University, 700 Pelham Road North, Jacksonville, Alabama 36265-1602 to be considered for admission:

1. Completed JSU Graduate Application for Admission ([http://www.jsu.edu/graduate/grad app..html](http://www.jsu.edu/graduate/grad_app..html))
2. Non-refundable \$30.00 application processing fee
3. Official transcripts from the postsecondary institutions awarding the bachelor's degree. (Students who have previously attended JSU do not need to request a transcript from the University.)
4. If English is not the applicant's native language, the applicant is required to submit an official TOEFL score report or an IELTS score report (please refer to page 28 of this *Bulletin*).

**REQUIRED GIS COURSES
FOR A GRADUATE CERTIFICATE IN GIS**

NOTE: Students who have not had undergraduate courses in GIS, or no prior experience in GIS using ESRI software, are required to complete GIS 510 as a prerequisite for the required courses.

The student must complete the 15 semester hours of required GIS concentration courses listed below:

- GY 455G Organization and Management of Spatial Systems (3)
- GY 456G Spatial Data Layout and Design (3)
- GY 459G Spatial Data Collection and Management (3)

Two courses from the courses listed below:

- GY 453G Analyzing Spatial Networks (3)
- GY 454G Site Location Analysis (3)
- GIS 570 Advanced Topics in Spatial Analysis (3)

15 Graduate Semester Hours Required for this Program

**GEOGRAPHICAL INFORMATION SYSTEMS COURSES
PREFIX GIS**

- 510. Introduction to Spatial Analysis (3).** An overview of geographic information systems and a foundation in map coordinate systems, map projections, and map scale.
- 570. Advanced Topics in Spatial Analysis (3)(3).** Advanced GIS instruction and work in a variety of topics such as imagery interpretation and classification, surface modeling, spatial manipulation languages, and statistical analysis of spatial data. Can be taken twice for credit.
- 580. Directed Research (3).** Prerequisite: Permission of the instructor.

GEOGRAPHY

The Department of Physical and Earth Sciences offers supporting courses for the MA with a major in liberal studies. For students majoring in secondary education with a teaching field in social science or general science, supporting courses are offered for the MS.Ed. and the Ed.S. degrees. A graduate degree program is not offered in geography. However, students interested in additional geography courses may enroll in environmental science management courses, and/or geographical information systems (GIS) courses.

GEOGRAPHY COURSES

Prefix GY

- 403G. Independent Study (1)(1)(1).** (Grade of Pass or Fail only.) Permission of instructor required. This course gives the advanced student opportunity to pursue directed research. May be repeated for credit for a total of 3 semester hours.
- 422G. Geographic Views of History (3).** Use of the geographic perspective to examine facets of World, United States, and Alabama history.
- 431G. Topics in Physical Geography (3)(3)(3).** Advanced geographic study of various facets of the natural environment; topic selection varies; see instructor.
- 444G. Topics in Environmental Conservation (3)(3).** Prerequisite: ESC 500 or its equivalent. In-depth examination of various conservation issues. Topic selection varies, see instructor. Examples of the types of topics that could be covered in this course include energy resources, public land management, water or air quality and issues regarding food production. This course may be used to meet degree requirements in the MPA degree with an Environmental Science Management emphasis or in the MA degree with a major in Liberal Studies course work. May be duplicated for credit for a total of six semester hours.
- 453G. Analyzing Spatial Networks (3).** 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 organizational entities.
- 454G. Site Location Analysis (3).** 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.
- 455G. Organization and Management of Spatial Systems (3).** Fundamental 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.
- 456G. Spatial Data Layout and Display (3).** Fundamentals of map composition and layout, chart creation, data classification, and map design to produce meaningful maps and charts from the results of spatial analysis.
- 459G. Spatial Data Collection and Management (3).** 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.
- 475G. Natural Hazards (3).** An introduction to natural hazards, their causes, distribution and impacts. Focus on human perception, vulnerability and risk analysis.

- 501. Concepts in Cultural Geography (3).** Application of geographical concepts and perspectives to the study of the world's culture regions. (May be used in the social science teaching field with a major in secondary education.)
- 510. Concepts in Earth Sciences (3)(3)(3).** Selected topics in earth science such as atmosphere systems and processes, climatology, landform development, soils and biogeography. See instructor for specific topic(s) each term. (May be used in the general science and social science teaching fields with a major in secondary education.)
- 580. Directed Studies (3)(3).** (Grade of Pass or Fail only.) Prerequisites: Permission of the instructor and approval of the department head.
- 590. Internship (3)(3).** (Grade of Pass or Fail only.) Supervised assignment in an area agency or firm for a minimum of 150 hours.

HISTORY

The History Department offers courses leading to the MA with a major in history and supporting courses for the MA with a major in liberal studies. For students majoring in secondary education with a teaching field in history or social science, supporting courses are offered for the MS.Ed. and the Ed.S degrees.

APPLICATION MATERIALS REQUIRED FOR THE MASTER OF ARTS WITH A MAJOR IN HISTORY

Applicants for the MA with a major in history will be permitted to enroll for one semester of graduate course work while completing all other general application procedure requirements.

Applicants for the MA with a major in history must submit all of the following documentation to the College of Graduate Studies, Jacksonville State University, 700 Pelham Road North, Jacksonville, Alabama 36265-1602, to be considered for admission:

1. Completed JSU Graduate Application for Admission (http://www.jsu.edu/graduate/grad_app..html)
2. Non-refundable \$30.00 application processing fee
3. Official transcripts(s) from all postsecondary institutions attended. (Students who have previously attended JSU do not need to request a transcript from the University.)
4. Official tests scores on the General Test of the GRE or the MAT (please refer to page 18 of this *Bulletin*).
5. Three "Graduate Reference Forms" completed by individuals who can provide qualitative assessment of the applicant's potential for success in graduate course work. This form is available in the office of the College of Graduate Studies or online at <http://www.jsu.edu/graduate/forms.html> or http://www.jsu.edu/graduate/docs/ref_form.pdf.
6. If English is not the applicant's native language, the applicant is required to submit an official TOEFL score report, an IELTS score report or a PTE score report (please refer to page 28 of this *Bulletin*).

ADMISSION REQUIREMENTS FOR THE MA IN HISTORY

In addition to meeting the above general admission requirements of the College of Graduate Studies, applicants for the MA with a major in history must have an undergraduate major in history or its equivalent, as determined by the head of the History Department.

Applicants must meet one of the following admission formula requirements. For purposes of computing the undergraduate GPA, a 4.0 grade-point scale is used. The plus (+) and minus (-) grades from undergraduate transcripts are not used in calculating the GPA.

Unconditional Admission

450 times the undergraduate GPA plus the total score of verbal and quantitative sections of the General Test of the GRE is equal to or greater than a total of 1600 points;

OR

15 times the undergraduate GPA plus the MAT score is equal to or greater than a total of 60 points;

Conditional Admission

Any applicant failing to meet the requirements for unconditional admission may be conditionally admitted with the recommendation of the graduate faculty in the applicant's major and approval of the Dean of the College of Graduate Studies.

Applicants who are granted conditional admission must achieve a GPA of at least 3.0 on the first 12 graduate hours attempted within a twelve-month time frame. Failure to meet these conditions will result in the student being dropped from graduate studies.

**MINIMUM REQUIREMENTS FOR THE
MASTER OF ARTS WITH A MAJOR IN HISTORY****Non-Thesis Option:**

Total of 30 graduate semester hours. Minimum of 27 hours in approved history courses, including HY 501. Up to three hours may be taken in a related field approved by the head of the History Department.

Thesis Option:

Total of 30 graduate semester hours. Minimum of 21 hours in approved history courses, including HY 501, and six hours of thesis. Up to three semester hours may be taken in a related field approved by the head of the History Department. See "Thesis Options and Procedures" on page 45 of this *Bulletin*.

Upon advisement, students may be required to demonstrate foreign language proficiency when a chosen program of study requires translation skills.

HISTORY COURSES

Prefix HY

- 400G. Europe in the High Middle Ages, Renaissance, and Reformation, 1300-1648 (3).** European society as seen through its philosophy, religion, literature, and politics.
- 405G. Environmental History of the United States (3).** Historical investigation of human interaction with the environment in the United States from the pre-colonial era to the present.
- 433G. American Social and Cultural History to 1865 (3).** American society through its literature, religion, philosophy, and art; emphasis on immigration strains, European cultural transfer, and environmental adaptations which have formed the American character; readings in religion, philosophy, literature, and the arts.
- 434G. American Social and Cultural History Since 1865 (3).** Continuation of HY 433G which evaluates shifting immigration origins; concentrated study of changing thought patterns resulting from Darwinism, rise of Big Business, theories of public interest, Pragmatism, and emergence of the U.S. as a world power.
- 436G. History of American Women (3).** Survey of the history of women from the colonial period to the present with emphasis upon social, economic, political, and educational developments.
- 437G. Black America (3).** Blacks in the U.S. from colonial times to present; emphasis on events of the twentieth century and the integral social relations between blacks and whites.
- 441G. The South Before 1865 (3).** Pre-colonial civilization through the Civil War. Emphasis is on the social, cultural, economic, and political development of the South as a region and the South's part in building the United States.
- 442G. The South Since 1860 (3).** Issues which led to secession; the War Between the States; economic, political, and social results; recent tendencies and development.
- 443G. Introduction to Southern Culture (3).** Study of the historic roots of regional culture, integrating topics such as "cult of the Lost Cause," religion, folk life, music, literature, and the transition from a rural/agricultural society to an urban/commercial/industrial one.
- 445G. North American Indians (3).** A survey of Native American History in what became the United States. Particular attention will be paid to Native-US government relations, the impact of the reservation and assimilation programs, and modern rights issues.
- 448G. The Westward Movement in American History (3).** Significance of the frontier in American History; colonization of successive geographic areas; the West in relation to tariff, public lands, currency and banking; and crises resulting from expansion.
- 451G. History of Early America to 1783 (3).** European background to exploration; exploration and settlement; Inter-Colonial Wars; political, social, economic, and cultural development within colonies.
- 452G. The Age of Jefferson and Jackson, 1783-1850 (3).** Study of the development of the American Republic with special emphasis on the influence of Jefferson and Jackson; research and readings will focus on the evolution of democratic attitudes and institutions.

- 454G. The Beginning of Modern America, 1877-1914 (3).** Description and evaluation of the shift of the U.S. from an agrarian to an industrial nation; heritage of the Civil War and Reconstruction; rise of the Great Moguls; mass production and technological change; rise of the labor union movement and organized farm protests; Spanish-American War; American involvement in World War I.
- 455G. The 1920s and the Great Depression (3).** Detailed study of American political, diplomatic, and cultural history from President Woodrow Wilson through Franklin D. Roosevelt.
- 456G. Contemporary America, 1945-Present (3).** Prerequisites: HY 201, 202. Detailed study of American political, diplomatic, and cultural history since the end of World War II, part of course devoted to study of current events.
- 465G. The British Empire and Commonwealth (3).** Growth and development of the British Empire, with emphasis on factors leading to the Commonwealth of Nations. (Not open to those who have completed HY 305.)
- 468G. Constitutional History of England (3).** Growth of common law, court system, and cabinet form of government from earliest times to present. (Not open to those who have completed HY 308.)
- 469G. Age of Churchill (3).** An examination of the late Victorian-twentieth century British and world events through the career of Winston S. Churchill.
- 470G. American Diplomatic History to 1933 (3).** History of the United States foreign relations beginning with the American Revolutionary Period and continuing through the decade of the 1920s; study of the historical changes in American foreign policy objectives which led to the increased size and importance of the United States.
- 471G. American Diplomatic History Since 1933 (3).** Detailed study of United States foreign relations beginning with Franklin D. Roosevelt and continuing to the present.
- 480G. Colonial Latin America (3).** Interaction of Native American, European, and African people in the Spanish and Portuguese empires of the Americas, concluding with the wars for independence.
- 481G. Modern Latin America (3).** 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.
- 483G. United States-Latin American Relations (3).** A survey of the diplomatic, economic, and cultural relations between the United States and Latin American Republics from 1810 to the present.
- 484G. The United States and the Caribbean Basin in the Twentieth Century (3).** Examines the issues, problems and international relationship of the United States with the countries of the Caribbean, Central America, Mexico, Colombia, and Venezuela from the Spanish American War until the present.
- 485G. History of Mexico (3).** 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.
- 486G. The Andean Nations (3).** A history of Colombia, Ecuador, Peru and Bolivia from pre-Colombian times until the present with an emphasis on the diversity of the peoples of these nations.
- 487G. History of Brazil (3).** 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-present.

- 490G. History of Religions (3).** An introduction to the theory of Religious History and the study of the history and practices of the five dominant world religions using resources from within those traditions.
- 500. Special Problems (3).** Directed readings or research project agreed to among student, instructor and head of the History Department.
- 501. Historiography and Historical Methods (3).** Techniques of historical research, nature of history, theories of historical interpretation, and intensive study of controversies in history.
- 504. Modern European History (3).** Major themes of European history from the seventeenth to the twentieth centuries including survey of relevant literature and interpretations.
- 510. American Foreign Policy to 1921 (3).** Foundations of American foreign policy. (Not open to those taking credit for PSC 421G.)
- 515. Contemporary Latin America (3).** A study of the political, economic, social, and cultural trends of the nations of Latin America from the end of World War II to the present.
- 534. American Social and Intellectual History from 1865 (3).** Effect of the Industrial Revolution and urbanization of America on society and thought patterns in the U.S. as seen in the end of "American innocence" and the search for security in a changed America and a constantly changing world.
- 535. Contemporary American Women (3).** This course will trace the evolution of women's societal, economic and political roles in the United States from the "Age of Association" in the mid-nineteenth century through the modern period. By the end of the course, we will have answered the question of whether "we've come a long way, Baby!" or not.
- 537. Contemporary Black America (3).** The African-American experience from the Civil War to the present, focusing on the creation of segregation, resistance to discrimination and the Civil Rights movement. The influence of African-American culture on the larger American society will receive special attention.
- 551. The South in the Nineteenth Century (3).** Study of major economic, political, sociological, racial, cultural, and intellectual developments during the century.
- 553. Civil War and Reconstruction, 1860-1877 (3).** Causes of the Civil War and political, social, economic, and military aspects of its conduct; examination of various interpretations of the Reconstruction period, regional and national.
- 554. Early Twentieth-Century History, 1900-1932 (3).** Closing aspects of Spanish-American War, emergence of an imperial power; Theodore Roosevelt's Square Deal, 1901-1909; Imperialism and Dollar Diplomacy, 1901-1913; Taft and the Progressives; Woodrow Wilson and the New Freedom, 1913-1917; World War I and its aftermath, 1917-1929; restoration of the G.O.P.; hope for a new economic era; Hoover and the Depression, 1929-1932; election of 1932.
- 560. The French Revolution and Napoleon (3).** Economic, social, political, military, and diplomatic aspects of years 1789-1815, with emphasis on France as the moving force of the period.
- 562. Diplomatic History of Europe, 1815-1914 (3).** International relations of European states in 19th century, with emphasis on the Congress System, Eastern Question, Bismarckian System, and pre-War balance of power.
- 564. History of Ideas, Renaissance through Enlightenment (3).** Study of the principal ideas and scope of thought in political philosophy, philosophy of history, science and technology, fine arts, literature, and religion.

565. **History of Ideas, Romanticism to the Present (3).** Study of principal ideas and scope of thought in political philosophy, philosophy of history, science and technology, fine arts, literature, and religion.
567. **Europe Since 1939 (3).** Political analysis of development of individual states within framework of East-West conflict and economic competition and cooperation.
568. **The South in the Twentieth-Century (3).** Study of major economic, political, sociological, racial, cultural, and intellectual developments since the turn of the century.
570. **Modern Far East History (3).** Survey of Modern Far Eastern history with emphasis on China and Japan.
576. **Tudor England (3).** England's emergence as a modern state, 1485-1603; constitutional, economic, social, and intellectual developments during the Renaissance and Reformation.
577. **Stuart England, 1603-1714 (3).** Study of major political, social, economic, and religious developments in seventeenth century England.
578. **Hanoverian England, 1714-1815 (3).** Study of major political, social, economic, and diplomatic developments in eighteenth century England.
584. **Modern Britain (3).** Detailed study of Britain's political, social, diplomatic, and industrial development since 1865; Britain's experiment with socialism and decline as a great world power.
598. **Research (3).** In-depth study of selected topic(s). Prerequisites: Permission of the instructor and approval of the department head.
599. **Thesis (3) (3).** (Grade of Pass or Fail only) Prerequisite: Approval of Application for Thesis Option. See "Thesis Options and Procedures" on page 45 of this *Bulletin*.

LIBERAL STUDIES

The MA with a major in liberal studies is an interdisciplinary degree characterized by its flexibility. After being admitted to the College of Graduate Studies, the student and the faculty advisor will plan a program of study designed to meet the student's specific needs. Courses must be selected from two or more academic disciplines. Electives approved by the advisor may be taken in any department offering graduate courses. Students will select courses from the following fields of study: anthropology; biology; criminal justice; drama; economics; emergency management; English; environmental science management; geography; geographical information systems, history; music; political science; and psychology.

APPLICATION MATERIALS REQUIRED FOR THE MA WITH A MAJOR IN LIBERAL STUDIES

Applicants for the MA with a major in liberal studies will be permitted to enroll for one semester of graduate course work while completing all other general application procedure requirements.

Applicants for the MA with a major in liberal studies must submit all of the following documentation to the College of Graduate Studies, Jacksonville State University, 700 Pelham Road North, Jacksonville, Alabama 36265-1602, to be considered for admission:

1. Completed JSU Graduate Application for Admission (http://www.jsu.edu/graduate/grad_app.html)
2. Non-refundable \$30.00 application processing fee
3. Official transcripts(s) from all postsecondary institutions attended. (Students who have previously attended JSU do not need to request a transcript from the University.)
4. Official tests scores on the General Test of the GRE or the MAT (please refer to page 18 of this *Bulletin*).
5. Three "Graduate Reference Forms" completed by individuals who can provide qualitative assessment of the applicant's potential for success in graduate course work. This form is available in the office of the College of Graduate Studies or online at <http://www.jsu.edu/graduate/forms.html> or http://www.jsu.edu/graduate/docs/ref_form.html.
6. If English is not the applicant's native language, the applicant is required to submit an official TOEFL score report, an IELTS score report or a PTE score report (please refer to page 28 of this *Bulletin*).

ADMISSION REQUIREMENTS FOR THE MA WITH A MAJOR IN LIBERAL STUDIES

Applicants who meet general admission requirements to the College of Graduate Studies are eligible for admission to this program. A particular undergraduate major is not specified for admission to this program.

Applicants must meet one of the following admission formula requirements. For purposes of computing the undergraduate GPA, a 4.0 grade-point scale is used. The plus (+) and minus (-) grades from undergraduate transcripts are not used in calculating the GPA.

Unconditional Admission

450 times the undergraduate GPA plus the total score of verbal and quantitative sections of the General Test of the GRE is equal to or greater than a total of 1600 points;

OR

15 times the undergraduate GPA plus the MAT score is equal to or greater than a total of 60 points;

Conditional Admission

Any applicant failing to meet the requirements for unconditional admission may be conditionally admitted with the recommendation of the graduate faculty in the applicant's major and approval of the Dean of the College of Graduate Studies.

Applicants who are granted conditional admission must achieve a GPA of at least 3.0 on the first 12 graduate hours attempted within a twelve-month time frame. Failure to meet these conditions will result in the student being dropped from graduate studies.

MINIMUM REQUIREMENTS FOR THE MA WITH A MAJOR IN LIBERAL STUDIES

The student must complete a minimum of 30 graduate semester hours in approved courses of which 18 graduate semester hours must be from two or more of the following fields of study: anthropology; biology; computer science and information systems; criminal justice; drama; economics; emergency management; English; environmental science management; geography; geographical information systems; history; music; political science; and psychology. The remaining 12 graduate semester hours may be completed in other fields selected by the student and the advisor.

A maximum of six hours of graduate credit may be transferred; however, courses transferred must be applicable to the student's program of study.

LIBERAL STUDIES COURSES

Course descriptions are located in various programs listed alphabetically in this *Bulletin*.

MANUFACTURING SYSTEMS TECHNOLOGY

The Department of Technology and Engineering offers courses leading to the MS degree with a major in manufacturing systems technology. Manufacturing systems technology is a field of study designed to prepare management oriented technical professionals. The program balances academic instruction with practical applications in manufacturing systems to provide graduates with a broad base of knowledge and skills needed to effectively manage and control production in manufacturing facilities.

Specifically, the purpose of this master's program is to produce industrial leaders who:

- Make decisions to integrate appropriate technologies into manufacturing operations.
- Apply advanced principles and practices used in manufacturing systems.
- Creatively use technology in solving practical problems in the manufacturing environment.
- Manage technology systems in manufacturing industries.

APPLICATION MATERIALS REQUIRED FOR THE MS WITH A MAJOR IN MANUFACTURING SYSTEMS TECHNOLOGY

Applicants for the MS with a major in manufacturing systems technology may be permitted to enroll in one semester of graduate course work while completing all other general application procedure requirements.

Applicants for the MS with a major in manufacturing systems technology must submit all of the following documentation to the College of Graduate Studies, Jacksonville State University, 700 Pelham Road North, Jacksonville, Alabama 36265-1602, to be considered for admission:

1. Completed JSU Graduate Application for Admission (http://www.jsu.edu/graduate/grad_app.html)
2. Non-refundable \$30.00 application processing fee
3. Official transcripts(s) from all postsecondary institutions attended. (Students who have previously attended JSU do not need to request a transcript from the University.)
4. Official tests scores on the GMAT , General Test of the GRE, or MAT (please refer to page 18 of this *Bulletin*).
5. Three "Graduate Reference Forms" completed by individuals who can provide qualitative assessment of the applicant's potential for success in graduate course work. This form is available in the office of the College of Graduate Studies or online at <http://www.jsu.edu/graduate/forms.html> or http://www.jsu.edu/graduate/docs/ref_form.pdf.

6. If English is not the applicant's native language, the applicant is required to submit an official TOEFL score report or an IELTS score report (please refer to page 28 of this *Bulletin*).

ADMISSION REQUIREMENTS THE MS WITH A MAJOR IN MANUFACTURING SYSTEMS TECHNOLOGY

An undergraduate degree in technology is not required for admission, but candidates with other degrees may be required to complete additional undergraduate courses based on evaluation of academic and professional experiences.

Applicants must meet one of the following admission formula requirements. For purposes of computing the undergraduate grade-point average, a 4.0 grade-point scale is used. The plus (+) and minus (-) grades from undergraduate transcripts are not used in calculating the GPA.

Unconditional Admission

200 times the undergraduate GPA on the initial undergraduate degree plus the GMAT score must be equal to or be greater than a total of 950 points.

OR

450 times the undergraduate GPA on the initial undergraduate degree plus the total score of the verbal and quantitative sections of the General Test of the GRE must be equal to or be greater than a total of 2250 points.

OR

15 times the undergraduate GPA on the initial undergraduate degree plus the MAT score must be equal to or be greater than a total of 80 points.

Conditional Admission

An applicant failing to meet the requirements for unconditional admission may be considered for conditional admission upon recommendation from the departmental graduate faculty with approval from the Dean of the College of Graduate Studies.

A student admitted on a conditional basis must attain a minimum GPA of 3.0 on the first 12 semester hours of graduate courses attempted within a twelve-month timeframe. Failure to meet these conditions will result in the student being dropped from graduate studies.

MINIMUM REQUIREMENTS FOR THE MS WITH A MAJOR IN MANUFACTURING SYSTEMS TECHNOLOGY

A total of 30 graduate semester hours is required for the degree including 21 semester hours (six courses) of manufacturing systems technology courses, 6 – 9 semester hours in approved electives, or comprehensive project.

MANUFACTURING SYSTEMS TECHNOLOGY COURSES Prefix MFG

- 505. **Manufacturing Operational Systems I (3).** The analysis, design, and implementation of world class manufacturing systems and their integration with functions of the production system for the manufacture of superior quality, low cost products. Topics include lean manufacturing, cellular manufacturing, integrated quality systems, Just-In-Time/Pull production control, and other current manufacturing strategies.
- 507. **Manufacturing Operational Systems II (3).** Prerequisite: MFG 505. A continuation of the analysis, design, and implementation of world class manufacturing systems studied in MFG 505. Detailed examination of competencies required of technology managers in contemporary manufacturing, with emphasis on integrating quality into all areas of the organization with the manufacturing system. Topics include quality management, manufacturing teams, safety and health management, total productive maintenance, vendor relationships, and other global manufacturing issues.
- 511. **Manufacturing Computer/Information Systems (3).** The theory and practice of using the computer to integrate the functional manufacturing areas into an effective system. Emphasis on computer interfacing, including hardware and software.
- 515. **Manufacturing Systems Simulation (3).** An examination of decision-making competencies required of manufacturing managers using current manufacturing system-modeling packages. Emphasis will be on solving manufacturing system problems consisting of labor, material, and equipment to predict future outcomes of various alternatives. Topics include computer simulation of manufacturing systems, computer simulation of material handling systems, data collection, validation, output analysis, job shop applications, and line balancing.
- 521. **Manufacturing Value Analysis (3).** A comprehensive course covering topics necessary for making effective manufacturing economic decisions with emphasis on using a computerized engineering economic decision packages for application of cost controls and budgeting. Topics include evaluation of alternative projects, make versus buy decisions, cost justification methods, cost of product tolerances, and replacement analysis.
- 531. **Automated Manufacturing Technology (3).** A summary course of material processing & machining methods with an emphasis on planning and implementation of flexible manufacturing systems (FMS) and computer-integrated manufacturing (CIM). Topics include robotics & computer numerical control (CNC) systems, automated material handling and storage, and automated inspection.
- 540. **Safety and Health Administration (3).** The examination and analysis of administrative concepts and principles for organizing and managing the functional areas of safety and health within an organization, to include methods for improving management's safety effectiveness. Specifically, the

course focuses on the application of behavioral principles to motivate safe workplace behavior.

- 580. **Advanced Topics in Manufacturing Systems Technology (3).** This course will focus on an advanced manufacturing systems technology topic of interest.
- 595. **Project Development and Management (3).** Students are directed in methods and techniques used in project development and management as they develop a proposal for completion of a project manufacturing systems technology.
- 596. **Comprehensive Project in Manufacturing Systems Technology (3).** Students complete an independent, comprehensive project integrating the functional areas of manufacturing systems technology. Students will be required to present a seminar outlining the project and submit a detailed technical project report.
- 598. **Selected Problems in Manufacturing Systems (3).** Independent study of selected problems under the guidance of a member of the graduate faculty.

MATHEMATICS

The Mathematical, Computing and Information Sciences Department offers courses leading to the Master of Science (MS) with a major in mathematics. Students pursuing graduate degrees in secondary education who meet Mathematical, Computing, and Information Sciences Department admission requirements (described below) may take mathematics courses as their teaching field.

APPLICATION MATERIALS REQUIRED FOR THE MS WITH A MAJOR IN MATHEMATICS

Applicants for the MS with a major in mathematics may be permitted to enroll for one semester of graduate course work while completing all other general application requirements.

Applicants for the MS with a major in mathematics must submit all of the following documentation to the College of Graduate Studies, Jacksonville State University, 700 Pelham Road North, Jacksonville, Alabama 36265-1602, to be considered for admission:

1. Completed JSU Graduate Application for Admission (http://www.jsu.edu/graduate/grad_app.html)
2. Non-refundable \$30.00 application processing fee
3. Official transcripts(s) from all postsecondary institutions attended. (Students who have previously attended JSU do not need to request a transcript from the University.)
4. Official tests scores on the General Test of the GRE or the MAT (please refer to page 18 of this *Bulletin*).
5. Three "Graduate Reference Forms" completed by individuals who can provide qualitative assessment of the applicant's potential for success in graduate course work. This form is available in the office of the College of Graduate Studies or online at <http://www.jsu.edu/graduate/forms.html> or http://www.jsu.edu/graduate/docs/ref_form.pdf.
6. If English is not the applicant's native language, the applicant is required to submit an official TOEFL score report, an IELTS score report or a PTE score report (please refer to page 28 of this *Bulletin*).

ADMISSION REQUIREMENTS FOR THE MS WITH A MAJOR IN MATHEMATICS

In addition to meeting general admission requirements of the College of Graduate Studies, an applicant must have completed at least 12 semester hours, or equivalent, beyond the three course JSU calculus series or equivalent, including at least one course equivalent to MS 415, Advanced Calculus I, and one course equivalent to MS 441, Abstract Algebra I.

Applicants must meet one of the following admission formula requirements. For purposes of computing the undergraduate GPA, a 4.0 grade-point scale is used. The plus (+) and minus (-) grades from undergraduate transcripts are not used in calculating the GPA.

Unconditional Admission

450 times the undergraduate GPA plus the total score of verbal and quantitative sections of the General Test of the GRE is equal to or greater than a total of 1600 points;

OR

15 times the undergraduate GPA plus the MAT score is equal to or greater than a total of 60 points;

Conditional Admission

Any applicant failing to meet the requirements for unconditional admission may be conditionally admitted with the recommendation of the graduate faculty in the applicant's major and approval of the Dean of the College of Graduate Studies.

Applicants who are granted conditional admission must achieve a GPA of at least 3.0 on the first 12 graduate hours attempted within a twelve-month time frame. Failure to meet these conditions will result in the student being dropped from graduate studies.

MINIMUM REQUIREMENTS FOR THE MS WITH A MAJOR IN MATHEMATICS

A maximum of six hours of graduate credit may be transferred; however, courses transferred must be applicable to the student's program of study.

Non-Thesis Option:

Total of 30 graduate semester hours in approved mathematics courses including four of the following five courses: MS 451G, 515, 516, 541, and 542. Only two of the following courses can be counted toward the 30 hours of course work: MS 523, 526, 528, 530, 533, 535, 537, and 549.

Thesis Option:

Total of 30 graduate semester hours. Minimum of 24 hours in approved mathematics courses including four of the following five courses: MS 451G, 515, 516, 541, and 542 and six hours of approved thesis. Only two of the following courses can be counted toward the 24 hours of course work: MS 523, 526, 528, 530, 533, 535, 537, and 549. See "Thesis Options and Procedures" on page 45 of this *Bulletin*.

MATHEMATICS COURSES PREFIX MS

NOTE: Prerequisite for all Mathematics Courses

Graduate courses in mathematics are open only to students who (1) are admitted to a graduate program of study in mathematics, or (2) are admitted to a graduate program of study in secondary education with a teaching field of mathematics, and with all undergraduate deficiencies in mathematics removed, or (3) have completed 32 semester hours in mathematics with at least 19 upper division hours. Some individual courses have further prerequisites; see the course descriptions below. Exemptions from course prerequisites require permission of the department head.

- 403G. Vector Analysis (3).** Prerequisite: MS 227 and see "Prerequisite for all Mathematics Courses." Algebra and calculus of vectors, Stokes theorem, and divergence theorem; applications to geometry, mass potential functions, electricity, and fluid flow.
- 404G. Mathematical Statistics II (3).** Prerequisites: MS 227 and MS 304, and see "Prerequisite for all Mathematics Courses." Continuation of MS 304; selected topics from multivariate probability distributions, functions of random variables, approximations to probability distributions, methods of estimation, linear models and least squares estimators, analysis of variance, and nonparametric statistics.
- 416G. Advanced Calculus II (3).** Prerequisite: MS 415 and see "Prerequisite for all Mathematics Courses." Selected topics from advanced calculus; elements of partial differentiation including the general theorems, Jacobians; topics on theory of integration.
- 423G. Survey of Geometries (3).** Prerequisite: MS 323 and see "Prerequisite for all Mathematics Courses." Selected topics from advanced Euclidean geometry, finite geometries, non-Euclidean geometry, and other geometries.
- 451G. Functions of a Complex Variable (3).** Prerequisites: MS 227 and MS 300 and MS 415, and see "Prerequisite for all Mathematics Courses." Fundamental operations with complex numbers, differentiation and integration theorems, mapping, series, and residues.
- 480G. Introductory Topology (3).** Prerequisite: MS 415 and see "Prerequisite for all Mathematics Courses." Basic topological concepts to include topological spaces, mapping, compactness, connectedness, and separation axioms.
- 484G. Partial Differential Equations (3).** Prerequisites: MS 227 and MS 344, and see "Prerequisite for all Mathematics Courses." Standard methods of solution; separation of variables, Fourier Series, Laplace Transforms; selected applications.
- 504. Applied Statistical Methods (3).** Prerequisite: See "Prerequisite for all Mathematics Courses." Fundamental concepts of descriptive and inferential statistics, probability distributions, estimation, and hypothesis testing; statistical software packages are used to facilitate valid analysis and interpretation of results; emphasis is on method and selection of proper statistical techniques for analyzing real situations.
- 505. Basic Logic and Set Theory (3).** Prerequisite: MS 415 or MS 441, and see "Prerequisite for all Mathematics Courses." Basic topics in symbolic logic and naive set theory, including sets and set operations, symbolic logic, the language of set theory, and applications of set theory.

515. **Real Variables I (3).** Prerequisite: MS 416 or permission of the instructor, and see "Prerequisite for all Mathematics Courses." Selected topics from real analysis with emphasis on functions of one and several variables, measure, and the Riemann and/or Darboux integral.
516. **Real Variables II (3).** Prerequisite: MS 515 and see "Prerequisite for all Mathematics Courses." Selected topics from real analysis emphasizing Lebesgue integration, sequences and series of functions.
517. **Introduction to Functional Analysis (3).** Prerequisites: MS 352 and MS 415 and see "Prerequisite for all Mathematics Courses." Introduction to the fundamental topics of functional analysis. Topics include metric spaces, completeness, linear operators, normed spaces and Banach spaces, inner product spaces, and Hilbert spaces. Objectives include the Riesz Representation Theorem, the Hahn-Banach Theorem, and the Contraction Mapping Theorem.
523. **Topics in Geometry for Teachers (3).** Prerequisite: See "Prerequisite for all Mathematics Courses." Classical theorems, ideas, and constructions of Euclidean and non-Euclidean geometry in theorems of Ceva, Menelaus, Pappus, and Feuerbach; homothetic transformations, inversion, harmonic sets of points, and cevians.
526. **Topics in Analytic Geometry for Teachers (3).** Prerequisite: See "Prerequisite for all Mathematics Courses." Applications of Euclidean and homogeneous coordinates, geometric transformations, trigonometric, and vector techniques to geometric problems.
528. **Theory of Equations and Functions for Teachers (3).** Prerequisite: See "Prerequisite for all Mathematics Courses." Topics in the theory of polynomial and other equations, and in the properties of transcendental functions. (The goal is the development of a deeper understanding of the equations and functions commonly encountered in precalculus mathematics.) May require the use of computer software.
530. **Foundations in Calculus for Teachers (3).** Prerequisite: See "Prerequisite for all Mathematics Courses." Theory, problem-solving techniques, and applications of differential and integral calculus, including the use of graphing calculators and computer software. (Recommended for students who are teaching or planning to teach Advanced Placement Calculus.)
533. **Topics in Modern Analysis for Teachers (3).** Prerequisite: See "Prerequisite for all Mathematics Courses." Logic and set theory, functions and sequences, structure and development of the real number system including completeness.
535. **Topics in Finite Mathematics for Teachers (3).** Prerequisite: See "Prerequisite for all Mathematics Courses." Elementary combinatorial analysis, probability, vectors and matrices, game theory, linear programming, and model building in the social and physical sciences.
537. **Foundations in Algebra for the Secondary Teacher (3).** Prerequisite: MS 441 and see "Prerequisite for all Mathematics Courses." Concepts of high school algebra from the perspective of ring theory.
541. **Abstract Algebra I (3).** Prerequisite: MS 441 and see "Prerequisite for all Mathematics Courses." General group theory including cyclic groups and permutation groups, homomorphism and isomorphism theorems.
542. **Abstract Algebra II (3).** Prerequisite: MS 441 and see "Prerequisite for all Mathematics Courses." Theory of rings, ideals, fields, and integral domains.
549. **Selected Topics in Mathematics for the Secondary Teacher (3).** Prerequisite: See "Prerequisite for all Mathematics Courses." Selected topics suitable for the secondary teacher; problem solving; secondary school mathematics from an advanced standpoint.

- 552. Linear Algebra (3).** Prerequisites: MS 352 and MS 441 and see "Prerequisite for all Mathematics Courses." Abstract treatment of finite dimensional vector spaces. Linear transformations, determinants, eigenvalues and eigenvectors, invariant subspaces, Rational and Jordan Canonical Forms, inner product spaces, unitary and normal operators, bilinear forms.
- 591. Seminar in Algebra (3) (3).** Prerequisites: MS 541 and MS 542 or permission of instructor and see "Prerequisite for all Mathematics Courses." Selected topics in modern algebra beyond the scope of the graduate algebra sequence. Topics may be chosen from the theory of groups, rings, fields, or modules; linear algebra; homological algebra; or other topics, depending on student and instructor interests.
- 595. Seminar in Analysis (3) (3).** Prerequisites: MS 515 and MS 516 or permission of instructor and see "Prerequisite for all Mathematics Courses." Selected topics in modern analysis beyond the scope of the graduate analysis sequence. Topics may be chosen from the fields of real analysis (measure theory and integration, special functions, finite differences, functional equations, sequences and series), complex variables, Fourier and harmonic analysis, integral transforms, operator theory, or other topics, depending on student and instructor interests.
- 598. Directed Readings (3) (3).** Prerequisites: Students must have two courses in the topical area chosen and approval by the faculty advisor in mathematics and the instructor and see "Prerequisite for all Mathematics Courses." Algebra, analysis, geometry, and topology.
- 599. Thesis (3) (3).** (Grade of Pass or Fail only.) Prerequisite: Approval of Application for Thesis Option. See "Thesis Options and Procedures on page 45 of this *Bulletin*."

MUSIC

The Music Department offers courses leading to the MA with a major in music and supporting courses for the MA with a major in liberal studies. Within the MA with a major in music, students may elect one of two concentrations: general music or music education. Students who elect music education must choose between instrumental or vocal/choral emphases.

The graduate programs in music are accredited by the National Association of Schools of Music.

APPLICATION MATERIALS REQUIRED FOR THE MA WITH A MAJOR IN MUSIC

Applicants for the MA with a major in music and a general music concentration may be permitted to enroll for one semester of graduate course work while completing all other general application procedure requirements.

Applicants for the MA with a major in music and a general music concentration must submit all of the following documentation to the College of Graduate Studies, Jacksonville State University, 700 Pelham Road North, Jacksonville, Alabama 36265-1602, to be considered for admission:

1. Completed JSU Graduate Application for Admission (http://www.jsu.edu/graduate/grad_app.html)
2. Non-refundable \$30.00 application processing fee
3. Official transcript(s) from all postsecondary institutions attended. (Students who have previously attended JSU do not need to request a transcript from the University.)
4. Official test scores on the General Test of the GRE or the MAT (please refer to page 18 of this *Bulletin*).
5. Three "Graduate Reference Forms" completed by individuals who can provide qualitative assessment of the applicant's potential for success in graduate course work. This form is available in the office of the College of Graduate Studies or online at <http://www.jsu.edu/graduate/forms.html> or http://www.jsu.edu/graduate/docs_ref.pdf.
6. If English is not the applicant's native language, the applicant is required to submit an official TOEFL score report, an IELTS score report or a PTE score report (please refer to page 28 of this *Bulletin*).

ADMISSION REQUIREMENTS FOR THE MA WITH A MAJOR IN MUSIC

In addition to meeting general admission requirements of the College of Graduate Studies, applicants must complete a qualifying examination given by the Music Department. The examination requires students to demonstrate competence in the theory of music and practical keyboard skills, knowledge of the history and literature of music and an applied music audition.

Applicants for the concentration in music education must hold a teaching certificate in the appropriate field.

Applicants who do not currently possess a teaching certificate who wish to attain teacher licensure may elect to pursue the alternative fifth-year program, leading to the MA with a concentration in either instrumental or vocal/choral music. Completion of this program leads to eligibility for fifth-year (master's) teacher certification in the appropriate concentration. Students must meet admission requirements for the alternative fifth-year certification program.

Applicants must meet one of the following admission formula requirements. For purposes of computing the undergraduate GPA, a 4.0 grade-point scale is used. The plus (+) and minus (-) grades from undergraduate transcripts are not used in calculating the GPA.

GENERAL MUSIC CONCENTRATION

Unconditional Admission

450 times the undergraduate GPA plus the total score of verbal and quantitative sections of the General Test of the GRE is equal to or greater than a total of 1600 points;

OR

15 times the undergraduate GPA plus the MAT score is equal to or greater than a total of 60 points;

Conditional Admission

Any applicant failing to meet the requirements for unconditional admission may be conditionally admitted with the recommendation of the graduate faculty in the applicant's major and approval of the Dean of the College of Graduate Studies.

Applicants who are granted conditional admission must achieve a GPA of at least 3.0 on the first 12 graduate hours attempted within a twelve-month time frame. Failure to meet these conditions will result in the student being dropped from graduate studies.

MUSIC EDUCATION CONCENTRATION

Unconditional Admission

450 times the undergraduate GPA plus the total score of verbal and quantitative sections of the General Test of the GRE is equal to or greater than a total of 2100 points;

OR

15 times the undergraduate GPA plus the MAT score is equal to or greater than a total of 80 points;

Conditional Admission

Any applicant failing to meet the requirements for unconditional admission may be conditionally admitted with the recommendation of the graduate faculty in the applicant's major and approval of the Dean of the College of Graduate Studies.

Applicants who are granted conditional admission must achieve a GPA of at least 3.0 on the first twelve graduate hours attempted within a twelve-month time frame. Failure to meet these conditions will result in the student being dropped from graduate studies.

MINIMUM REQUIREMENTS FOR THE MASTER OF ARTS WITH A MAJOR IN MUSIC AND A CONCENTRATION IN GENERAL MUSIC

All three MA programs (MA with a major in music: general music emphasis; MA with a major in music: music education emphasis in instrumental or vocal/choral, P-12; and the alternative fifth-year MA with a major in music: music education emphasis in instrumental or vocal/choral, P-12) require successful completion of the following group of courses:

Required Music Courses (16 semester hours):

MU 511 Research Methods (3)

Select *one* from the following:

MU 505 Music Literature: Medieval-Renaissance (3)

MU 506 Music Literature: Baroque Era (3)

MU 507 Music Literature: Classic-Romantic (3)

MU 508 Music Literature: Contemporary Era (3)

Select *one* from the following:

MU 509 Seminar in Choral Music (3)

MU 512 Seminar in Instrumental Music (3)

Select *one* from the Following:

MU 520 Music Theory: Style Analysis (3)

MU 521 Music Theory: Style Analysis (3)

Select from among the following (4 semester hours):

MU 519 Advanced Conducting (3)

MU 534 Individual Applied Music (2)

MU 535 Individual Applied Music (2)

MU 580 Graduate Ensemble (1)(1)

CONCENTRATION IN GENERAL MUSIC

Non-Thesis Option:

Total of 32 graduate semester hours. The student must complete 16 semester hours in required music courses (described on page 252) and 16 semester hours in approved music electives by advisement.

Thesis Option:

Total of 32 graduate semester hours. The student must complete 16 semester hours in required music courses (described on page 253) and 10 semester hours in approved music electives by advisement, and 6 hours of thesis. See "Thesis Options and Procedures" on page 45 of this *Bulletin*.

CONCENTRATION IN MUSIC EDUCATION

Instrumental or vocal/choral emphasis: Total of 32 graduate semester hours. The student must complete 16 semester hours in required music courses describe above and the following courses in music and education (16 hours, to include 0-3 hours of approved music electives by advisement, depending upon whether the special education requirement has been previously satisfied):

- * ED 500 Introduction to Graduate Education and Technology (1)
(Discipline specific section required first semester of enrollment.)
- EFD 502 Curriculum Development (3)
- EFD 560 Psychological Principles of Learning (3)
- EIM 503 Computer Based Instructional Technologies (3)
- SPE 500 Survey Course in Special Education (3)
Students who have not previously satisfied the special education requirement at the undergraduate or graduate level must take SPE 500. If this requirement has been met, 3 hours of music electives are required.
- MU 545 Measurement and Evaluation of Music (3)

Notes:

Admission to this program requires fourth-year (bachelor's) teacher certification in music (instrumental or vocal-choral).

Completion of the MA in music with a concentration in music education/instrumental or music education/vocal-choral program leads to eligibility for fifth-year (master's) teacher certification in music.

**MASTER OF ARTS
MAJOR: MUSIC
CONCENTRATION: MUSIC EDUCATION/INSTRUMENTAL (P-12)**

Required Music Courses (16 semester hours):

- MU 511 Research Methods (3)
- MU 512 Seminar in Instrumental Music (3)

Select one from the following (3 semester hours):

- MU 505 Music Literature: Medieval-Renaissance (3)
- MU 506 Music Literature: Baroque Era (3)
- MU 507 Music Literature: Classic-Romantic (3)
- MU 508 Music Literature: Contemporary Era (3)

Select one from the following (3 semester hours):

- MU 520 Music Theory: Style Analysis (3)
- MU 521 Music Theory: Style Analysis (3)

Select from among the following (4 semester hours):

- MU 519 Advanced Conducting (3)
- MU 534 Individual Applied Music (2)
- MU 535 Individual Applied Music (2)
- MU 580 Graduate Ensemble (1)(1)

Required Music and Education Courses (16 semester hours):

- ED 500 Introduction to Graduate Education and Technology (1)
(Discipline specific section required first semester of enrollment)
- EFD 502 Curriculum Development (3)
- EFD 560 Psychological Principles of Learning (3)
- EIM 503 Computer Based Instructional Technologies (3)
- *SPE 500 Survey Course in Special Education (3)
Students who have not previously satisfied the special education requirement at the undergraduate or graduate level must take SPE 500.
- MU 545 Measurement and Evaluation in Music (3)

Approved Music Electives by Advisement (0-3 semester hours):*32 Graduate Semester Hours Required for this Degree****Notes:**

Admission to this program requires fourth-year (bachelor's) teacher certification in music (instrumental).

Completion of this program leads to eligibility for fifth-year (master's) teacher certification in music instrumental (P-12).

Successful completion of the appropriate Praxis II examination is required for certification.

Students in this program are required to purchase College LiveText. College LiveText Education Solutions is a complete development, management, and assessment solution specifically designed for colleges and universities. Additional information on College LiveText can be obtained at <http://www.livetext.com>.

**MASTER OF ARTS
MAJOR: MUSIC
CONCENTRATION: MUSIC EDUCATION/VOCAL-CHORAL (P-12)**

Required Music Courses (16 semester hours):

- MU 509 Seminar in Choral Music (3)
- MU 511 Research Methods (3)

Select one from the following (3 semester hours):

- MU 505 Music Literature: Medieval-Renaissance (3)
- MU 506 Music Literature: Baroque Era (3)
- MU 507 Music Literature: Classic-Romantic (3)
- MU 508 Music Literature: Contemporary Era (3)

Select one from the following (3 semester hours):

- MU 520 Music Theory: Style Analysis (3)
- MU 521 Music Theory: Style Analysis (3)

Select from among the following (4 semester hours):

- MU 519 Advanced Conducting (3)
- MU 534 Individual Applied Music (2)
- MU 535 Individual Applied Music (2)
- MU 580 Graduate Ensemble (1)(1)

Required Education and Music Courses (16 semester hours):

- ED 500 Introduction to Graduate Education and Technology (1)
(Discipline specific section required first semester of enrollment)
- EFD 502 Curriculum Development (3)
- EFD 560 Psychological Principles of Learning (3)
- EIM 503 Computer Based Instructional Technology (3)
- *SPE 500 Survey Course in Special Education (3)
Students who have not previously satisfied the special education requirement at the undergraduate or graduate level must take SPE 500.
- MU 545 Measurement and Evaluation in Music (3)

***Approved Music Electives by Advisement (0-3 semester hours):**

32 Graduate Semester Hours Required for this Degree

Notes:

Admission to this program requires fourth-year (bachelor's) teacher certification in music (vocal-choral).

Completion of this program leads to eligibility for fifth-year (master's) teacher certification in music (vocal-choral).

Successful completion of the appropriate Praxis II examination is required for certification.

Students in this program are required to purchase College LiveText. College LiveText Education Solutions is a complete development, management, and assessment solution specifically designed for colleges and universities. Additional information on College LiveText can be obtained at <http://www.livetext.com>.

**MASTER OF ARTS
MAJOR: MUSIC
CONCENTRATION IN GENERAL MUSIC (INSTRUMENTAL)**

Required Music Courses (16 semester hours):

- MU 511 Research Methods (3)
- MU 512 Seminar in Instrumental Music (3)

Select *one* from the following (3 semester hours):

- MU 505 Music Literature: Medieval-Renaissance (3)
- MU 506 Music Literature: Baroque Era (3)
- MU 507 Music Literature: Classis-Romantic (3)
- MU 508 Music Literature: Contemporary Era (3)

Select *one* from the following (3 semester hours):

- MU 520 Music Theory: Style Analysis (3)
- MU 521 Music Theory: Style Analysis (3)

Select from among the following (4 semester hours):

- MU 519 Advanced Conducting (3)
- MU 534 Individual Applied Music (2)
- MU 535 Individual Applied Music (2)
- MU 580 Graduate Ensemble (1)(1)

Approved Music Electives By Advisement (16 semester hours)

32 Graduate Semester Hours Required for this Degree

**MASTER OF ARTS
MAJOR: MUSIC
CONCENTRATION IN GENERAL MUSIC (INSTRUMENTAL)**

THESIS OPTION

Required Music Courses (16 semester hours):

- | | | |
|----|-----|-----------------------------------|
| MU | 511 | Research Methods (3) |
| MU | 512 | Seminar in Instrumental Music (3) |

Select *one* from the following (3 semester hours):

- | | | |
|----|-----|--|
| MU | 505 | Music Literature: Medieval-Renaissance (3) |
| MU | 506 | Music Literature: Baroque Era (3) |
| MU | 507 | Music Literature: Classical-Romantic (3) |
| MU | 508 | Music Literature: Contemporary Era (3) |

Select *one* from the following (3 semester hours):

- | | | |
|----|-----|----------------------------------|
| MU | 520 | Music Theory: Style Analysis (3) |
| MU | 521 | Music Theory: Style Analysis (3) |

Select from among the following (4 semester hours):

- | | | |
|----|-----|------------------------------|
| MU | 519 | Advanced Conducting (3) |
| MU | 534 | Individual Applied Music (2) |
| MU | 535 | Individual Applied Music (2) |
| MU | 580 | Graduate Ensemble (1)(1) |

Thesis Option (6 semester hours):

Must complete the following for a total of 6 semester hours:

- | | | |
|----|-----|------------|
| MU | 599 | Thesis (3) |
| MU | 599 | Thesis (3) |

See "Thesis Options and Procedures" on page 41 of this *Bulletin*.

Approved Music Electives by Advisement (10 semester hours)

32 Graduate Semester Hours Required for this Degree

**MASTER OF ARTS
MAJOR: MUSIC
CONCENTRATION IN GENERAL MUSIC (VOCAL/CHORAL)**

Required Music Courses (16 semester hours):

- MU 509 Seminar in Choral Music (3)
- MU 511 Research Methods (3)

Select *one* from the following (3 semester hours):

- MU 505 Music Literature: Medieval-Renaissance (3)
- MU 506 Music Literature: Baroque Era (3)
- MU 507 Music Literature: Classis-Romantic (3)
- MU 508 Music Literature: Contemporary Era (3)

Select *one* from the following (3 semester hours):

- MU 520 Music Theory: Style Analysis (3)
- MU 521 Music Theory: Style Analysis (3)

Select from among the following (4 semester hours):

- MU 519 Advanced Conducting (3)
- MU 534 Individual Applied Music (2)
- MU 535 Individual Applied Music (2)
- MU 580 Graduate Ensemble (1)(1)

Approved Music Electives by Advisement (16 Semester Hours)

32 Graduate Semester Hours Required for this Degree

**MASTER OF ARTS
MAJOR: MUSIC
CONCENTRATION IN GENERAL MUSIC (VOCAL/CHORAL)**

THESIS OPTION

Required Music Courses (16 semester hours):

- MU 509 Seminar in Choral Music (3)
- MU 511 Research Methods (3)

Select *one* from the following (3 semester hours):

- MU 505 Music Literature: Medieval-Renaissance (3)
- MU 506 Music Literature: Baroque Era (3)
- MU 507 Music Literature: Classis-Romantic (3)
- MU 508 Music Literature: Contemporary Era (3)

Select *one* from the following (3 semester hours):

- MU 520 Music Theory: Style Analysis (3)
- MU 521 Music Theory: Style Analysis (3)

Select from among the following (4 semester hours):

- MU 519 Advanced Conducting (3)
- MU 534 Individual Applied Music (2)
- MU 535 Individual Applied Music (2)
- MU 580 Graduate Ensemble (1)(1)

Thesis Option (6 semester hours):

Must complete the following for a total of 6 semester hours:

- MU 599 Thesis (3)
- MU 599 Thesis (3)

See "Thesis Options and Procedures" on page 41 of this *Bulletin*.

Approved Music Electives by Advisement (10 semester hours)

32 Graduate Semester Hours Required for this Degree

MUSIC COURSES PREFIX MU

- 404G. Music Theory: Composition (3).** Art of musical composition through analysis and application of contemporary techniques.
- 405G. Theory and Composition of American Jazz (3).** Comprehensive. Formalized study of American jazz masterpieces from 1900 to the present.
- 408G. Art Song (3).** Prerequisite: Permission of the instructor. Survey course examining major categories of solo vocal literature with detailed study of selected songs.
- 409G. Opera Literature (3).** Development of opera as a form with detailed study of selected works.
- 415G. Advanced Brass Methods and Literature (3).** Prerequisite: Permission of the instructor. Brass teaching materials for public schools or college teacher; examination of methods, etudes, and special studies of each instrument; recordings and corollary readings supplement discussion.
- 419G. Advanced Woodwind Methods and Literature (3).** Prerequisite: Permission of the instructor. Woodwind teaching methods for public school or college teacher; examination of methods for public school or college teacher; examination of methods, etudes, and special studies of each instrument; recordings and corollary readings supplement discussion.
- 471G. Elementary Music Materials and Methods (3).** Methods, materials, and problems of teaching general music; grades P-6.
- 482G. Secondary Instrumental Music Materials and Methods (3).** 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.
- 483G. Secondary Vocal Music Materials and Methods (3).** Professional preparation of teachers of vocal music, grade 7-12, with emphasis on theory, literature, teaching methods and organizational skills needed to teach in an effective public school choral program.
- 500. Graduate Recital (0).** Public Performance in primary applied area of student; instrumental or vocal material planned by instructor and student.
- 580. Graduate Ensemble (1).** Appropriate conducted or coached ensembles as approved by the department head and the graduate advisor. This number may be duplicated for credit for a total of four (4) credit hours. (This course is replacing MU 480G Graduate Ensemble and MU 481G Graduate Ensemble).
- 505. Music Literature: Medieval-Renaissance (3).** Development of sacred and secular music throughout Medieval and Renaissance periods including Gregorian chant, motets, madrigals, and instrumental forms; specific examples taken from representative composers.
- 506. Music Literatures: Baroque Era (3).** Development of instrumental and vocal music from 1600 to 1750; emphasis on musical examples from important composers of the period including early opera, oratorio, keyboard forms, chorale-based compositions, orchestral music, and concertos.
- 507. Music Literature: Classic-Romantic (3).** History and literature of music beginning with early Classicism and leading to post-Romanticism; vocal and instrumental styles using examples from significant composers; keyboard forms, chamber music, symphony, opera, art song, and other media of performance.

508. **Music Literature: Contemporary Era (3).** Development of instrumental and vocal music since 1900; emphasis on musical examples from various schools of composition, including Impressionism, Primitivism, Neoclassicism, Expressionism, Serialism, Indeterminacy, and Minimalism.
509. **Seminar in Choral Music (3).** Acoustical problems and basic techniques relating to choral medium; problems of ensemble, balance, precision, and interpretation; materials and musical literature for large and chamber choral ensembles.
510. **Seminar in Music Education (3).** Philosophies and objectives of music in schools; scope and sequence of music curricula on elementary and secondary levels.
511. **Research Methods in Music and Music Education (3).** Application of methods of research to problems in music and music education; preparation of bibliographies and written exposition of research projects in area of student's major interest.
512. **Seminar in Instrumental Music (3).** Acoustical properties and basic techniques of instruments; problems of ensemble and balance, intonation, precision, and interpretation; materials and musical literature and orchestras, bands, and small ensembles.
519. **Advanced Conducting (3).** Prerequisite: MU 210 or equivalent. Intensive study in repertoire of various performing media; includes parallel or supplementary reading and a paper dealing with some aspect of conducting.
520. **Music Theory: Style Analysis (3).** Study intended to develop stylistic perception through analytical and historical examination of selected musical examples, Bach and Handel through Beethoven and Schubert.
521. **Music Theory: Style Analysis (3).** Continuation of 520; Debussy and Ravel to present.
522. **Music Theory: Sixteenth-Century Counterpoint (3).** Species counterpoint up to time of Monteverdi.
523. **Music Theory: Eighteenth-Century Counterpoint (3).** Late Baroque styles in canon, fugue, invention, and passacaglia; extensive writing and special projects.
534. **Individual Applied Music (2).** Primary applied area of student; instrumental or vocal material planned by instructor and student.
535. **Individual Applied Music (2).** Primary applied area of student; instrumental or vocal material planned by instructor and student.
536. **Individual Applied Music (2).** **Individual instruction in** primary applied area of student; instrumental or vocal material planned by instructor and student.
537. **Individual Applied Music (2).** Individual instruction in primary applied area of student; instrumental or vocal material planned by instructor and student.
545. **Measurement and Evaluation in Music (3).** Evaluation of current achievement and aptitude measurements in music; problems in measurement of musical performance; preparation of examination material and the computation of basic statistical formulae.
552. **Lyric Theatre Workshop (1)(1)(1)(1).** An ensemble designed to guide the classically trained singer through the varied aspects of preparing and presenting an operatic performance. This course may be duplicated for credit for a total of four (4) credit hours.

- 588. Graduate Internship in Music Education P-12 (3).** Complete semester long internship and earn “pass/fail” upon completion of course. Students will complete a working portfolio and electronic LiveText portfolio, along with other standard course requirements.
- 599. Thesis (3) (3).** (Grade of Pass or Fail only) Prerequisite: Approval of Application for Thesis Option. See “Thesis Options and Procedures” on page 45 of this *Bulletin*.

NURSING

The Lurleen B. Wallace College of Nursing and Health Sciences offers courses leading to the MSN with a major in community health nursing.

The baccalaureate and master's degree programs are accredited by the Commission on Collegiate Nursing Education (CCNE), One Dupont Circle NW, Suite 530, Washington, D.C. 20036, (202) 887-6791.

The primary mission of the College of Nursing and Health Sciences is to provide excellence in undergraduate and graduate professional nursing education, as well as to pursue scholarly activities and provide service to the community. The Master of Science in Nursing (MSN) degree program is designed to prepare advanced community health nurses to address the health needs of vulnerable populations and communities as they currently exist and as they will evolve in the future. Students acquire advanced knowledge and skills in community needs assessment, analysis of aggregate data, health planning, as well as program development, implementation, and evaluation. The curriculum builds on the foundation of baccalaureate education and requires 38 hours of course work, including two courses in community health with clinical practica. A disaster management component is integrated into various courses in the curriculum. Courses in the MSN program are offered online.

To complete the admission process, the item(s) listed below must be submitted by July 1st for admission to the Fall semester, April 1st for admission to the May and Summer terms, November 1st for Spring semester admission. Applicants are not allowed to register or pre-register until all admission requirements have been completed and the applicant is admitted to Graduate Studies.

APPLICATION MATERIALS REQUIRED FOR THE MSN

Applicants for the MSN must submit the following documentation to the College of Graduate Studies, Jacksonville State University, Jacksonville, Alabama 36265-1602, to be considered for admission:

1. Completed JSU Graduate Application for Admission (http://www.jsu.edu/graduate/grad_app.html)
2. Non-refundable \$30.00 application processing fee
3. Bachelor's degree with a major in nursing from a regionally accredited university with a professionally accredited nursing program
4. Official transcripts(s) from all postsecondary institutions attended. (Students who have previously attended JSU do not need to request a transcript from the University.)
5. A written statement setting forth career goals
6. A current unencumbered RN license

7. Official tests scores on the General Test of the GRE or the MAT (please refer to page 18 of this *Bulletin*). The GRE or MAT must be taken within five years of enrollment.
8. Three “Graduate Reference Forms” completed by individuals who can provide qualitative assessment of the applicant’s potential for success in graduate course work. This form is available in the office of the College of Graduate Studies or online at <http://www.jsu.edu/graduate/forms.html> or http://www.jsu.edu/graduate/docs/ref_form.pdf.
9. If English is not the applicant’s native language, the applicant is required to submit an official TOEFL score report, an IELTS score report or a PTE score report (please refer to page 28 of this *Bulletin*).

ADMISSION REQUIREMENTS FOR THE MSN

Applicants for the MSN must meet the following admission formula requirements prior to registering for MSN course work. For purposes of computing the undergraduate GPA, a 4.0 grade-point scale is used. The plus (+) and minus (-) grades from undergraduate transcripts are not used in calculating the GPA.

Unconditional Admission

450 times the undergraduate GPA on the initial undergraduate degree plus total score of verbal and quantitative measures of the General Test of the GRE is equal to or greater than a total of 2100 points;

OR

15 times the undergraduate GPA on the initial undergraduate degree plus the MAT score is equal to or greater than a total of 80 points.

OR

450 times the undergraduate GPA on the **last 64 hours attempted** toward completion of the initial undergraduate degree plus total score of verbal and quantitative measures of the General Test of the GRE is equal to or greater than a total of 2100 points;

OR

15 times the undergraduate GPA on the **last 64 hours attempted** toward completion of the initial undergraduate degree plus the MAT score is equal to or greater than a total of 80 points.

The GRE or MAT must be taken within five years of enrollment.

Students are required to demonstrate proficiency in health assessment, research/statistics, and basic computer literacy. The graduate nursing faculty will conduct interviews and evaluate each applicant’s undergraduate transcript and clinical nursing experience to determine adequacy of preparation in these areas. Students without adequate academic or experiential preparation may be required to complete additional undergraduate course work as part of their program of study. Grades achieved in these courses will not be included in the computation

of the graduate GPA; however, students must earn a grade of B or above in each of these specified, required courses.

All requests for admission will be reviewed by the graduate nursing faculty. The faculty will submit to the Dean of the College of Graduate Studies its recommendation on the admission of each candidate.

Conditional Admission

Any student failing to meet the requirements for unconditional admission, as defined above, will receive a letter to that effect from the Dean of the College of Graduate Studies.

Under exceptional circumstances, consideration for conditional admission may be given to a student meeting one of the following formula requirements.

450 times the undergraduate GPA on the initial undergraduate degree plus total score of verbal and quantitative measures of the General Test of the GRE is equal to or greater than a total of 1500 points;

OR

15 times the undergraduate GPA on the initial undergraduate degree plus the MAT score is equal to or greater than a total of 55 points.

OR

450 times the undergraduate GPA on the **last 64 hours attempted** toward completion of the initial undergraduate degree plus total score of verbal and quantitative measures of the General Test of the GRE is equal to or greater than a total of 1500 points;

OR

15 times the undergraduate GPA on the **last 64 hours attempted** toward completion of the initial undergraduate degree plus the MAT score is equal to or greater than a total of 55 points.

Students who are granted conditional admission must achieve a GPA of at least 3.0 on the first 12 graduate hours attempted within the time frame specified by the graduate nursing faculty and indicated in writing to the student. Failure to comply will result in the students being dismissed from the program.

All requests for admission will be reviewed by the graduate nursing faculty. The faculty will submit to the Dean of the College of Graduate Studies its recommendation on the conditional admission of each candidate. The Dean of the College of Graduate Studies will make the final decision on the conditional admission of the student.

MINIMUM REQUIREMENTS FOR THE MSN

The MSN program consists of 38 graduate semester hours. A comprehensive examination is required of all candidates.

Through an innovative partnership with Troy University, JSU will utilize four existing Troy University courses (11 semester hours) as the core sequence in the community health program. Troy University nursing faculty will deliver these courses using distance education technology, primarily via Internet. The courses offered by Troy University include: NU 504 Theories of Nursing, NU 507 Advanced Health Assessment, NU 513 Advanced Pathophysiology, and NU 522 Research Methodology. In addition to these four courses from Troy University, students may transfer a maximum of six graduate semester hours toward completion of this program.

MSN

Major: Community Health Nursing

Required Courses (38 semester hours):

*NU 504	Theories in Nursing (2)
*NU 507	Advanced Health Assessment (3)
*NU 513	Advanced Pathophysiology (3)
NU 514	Health Assessment Practicum (1)
NU 518	Organizational and Systems Leadership in Community Health Nursing(3)
NU 520	Advanced Pharmacology (3)
*NU 522	Research Methodology (3)
NU 527	Epidemiology (2)
NU 544	Statistical Methods in Healthcare (3)
NU 540	Community Health I (6)
NU 545	Community Health II (6)
NU 542	Transcultural Nursing and Healthcare (3)

Nursing Education Courses will continue to comprise the Nurse Educator Certificate.

*Troy University courses

38 Graduate Semester Hours Required For this Degree

GRADUATE CERTIFICATE IN NURSING EDUCATION PROGRAM

The graduate certificate program in nursing education is designed to prepare nurses to teach in nursing and health professional programs, health care institutions and agencies, and in the community. The certificate provides nurses with essential knowledge and skills about teaching, program development, evaluation, clinical instruction, and other aspects of the educational process in nursing. At the conclusion of the program, graduates obtain a certificate acknowledging successful completion.

Courses in the graduate certificate program are offered online. The practicum is based on student needs, and is planned with students in a location convenient for them.

APPLICATION MATERIALS REQUIRED FOR THE GRADUATE CERTIFICATE IN NURSING EDUCATION

Applicants for the graduate certificate in nursing education must submit the following documentation to the College of Graduate Studies, Jacksonville State University, 700 Pelham Road North, Jacksonville, Alabama 36265-1602, to be considered for admission:

1. Completed JSU Graduate Application for Admission (http://www.jsu.edu/graduate/grad_app.html)
2. Non-refundable \$30.00 application processing fee
3. Bachelor's degree with a major in nursing from a regionally accredited university with a professionally accredited nursing program
4. Official transcript from the postsecondary institution awarding the bachelor's degree. (Students who have previously attended JSU do not need to request a transcript from the University.)
5. A current unencumbered RN license
6. Three "Graduate Reference Forms" completed by individuals who can provide qualitative assessment of the applicant's potential for success in graduate course work. This form is available in the office of the College of Graduate Studies or online at <http://www.jsu.edu/graduate/forms.html> or http://www.jsu.edu/graduate/docs/ref_form.pdf.
7. If English is not the applicant's native language, the applicant is required to submit an official TOEFL score report, an IELTS score report or a PTE score report (please refer to page 28 of this *Bulletin*).

**Required Courses for the
Graduate Certificate In Nursing Education (12 semester hours):**

- NU 550 Developing Instruction Programs in Collegiate Nursing Education (3)
- NU 551 Teaching, Learning, and Evaluation in Collegiate Nursing Programs (3)
- NU 552 Practicum in Collegiate Nursing Education (3)
- NU 553 Issues and Trends in Collegiate Nursing Education (3)

NURSING COURSES
Prefix NU

- 504. Theories in Nursing (2).** Explores the evolution and importance of knowledge and theory in nursing, mechanisms for developing and critiquing theory, and the analysis and application of theories in nursing practice. (TU course: NSG 5504)
- 507. Advanced Health Assessment (3).** Provides advanced knowledge of history and interviewing processes across the lifespan, physical examination, and clinical judgments regarding health care needs. (TU course: NSG 5512)
- 513. Advanced Pathophysiology (3).** Review of cellular structure and function with emphasis on cellular changes that give rise to pathology and disease; discussion of cellular and tissue physiology with a focus on pathological processes of major organs and body systems. (TU course: NSG 6671)
- 514. Health Assessment Practicum (1). Co-requisite: Troy's NSG 5512 or JSU NU 507).** Practical application skills related to data collection and analysis essential to comprehensive health assessment of various age groups; validates knowledge to perform complete health assessment of individuals as they exist in the community as well as analyze collected data for indicators of health maintenance or alterations in health.
- 518. Organizational and Systems Leadership in Community Health Nursing (3)**
 Provides opportunities to review, examine, and analyze individual, family and population-based care from a community health perspective and synthesize selected issues that affect the role responsibilities of the advanced community health nurse within systems and organizations.
- 519. Issues in Community-Based Health Care (2)** Provides opportunities to review, examine, and analyze selected issues that affect the discipline of nursing with specific emphasis on community based practice.
- 520. Advanced Pharmacology (3).** Designed to augment and support the practice of the APN. Encompasses the prescriptive role of the APN, legal statutes, general principles of pharmacodynamics and pharmacokinetics, treatment guidelines related to evidence based practices, pharmacology concerns for special populations, and drugs most commonly used in primary care.
- 522. Research Methodology (3).** Discussion of principles of the research process; emphasis on the utilization and generation of research relevant to nursing. (TU course: NSG 6691)
- 527. Epidemiology (2).** Study of various factors as they relate to the occurrence, frequency, and distribution of disease across the lifespan; includes origin, transmission, host/environmental factors that influence the development of disease, as well as issues related to health planning, policy, and evaluation.

- 534. Statistics and Data Management (2).** Quantitative methods and statistics as applied to nursing and health care; topics include descriptive statistics, probability theory, sampling and statistical inference, hypothesis testing, regression and correlation analysis, and analysis of variance.
- 540. Community Health I (6).** Prerequisites: NU 504, 507, 513, 514, 518, 527, and 544. Application of advanced specialized knowledge relevant to health promotion/disease prevention issues in select populations. Clinical experiences will be designed to meet individual learning needs of the MSN student in implementing the multifaceted role of the community health clinical nurse specialist.
- 542. Transcultural Nursing and Healthcare (3).** 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.
- 544. Statistical Methods in Health Care (3).** Utilizing concepts of informatics, the focus is on probability concepts, descriptive statistics, and hypothesis testing with parametric and non-parametric procedures using Excel.
- 545. Community Health II (6).** Prerequisite: NU 540 & Troy's NSG 6691 (NU 522). Application of advanced specialized knowledge relevant to implementing and evaluating programs for community health, with an emphasis on evidence-based interventions with vulnerable populations and aggregates. Clinical experiences will be designed to meet individual learning needs of the MSN student in providing care for selected aggregates and/or populations.
- 550. Developing Instruction Programs in Collegiate Nursing Education (3).** Development of curricular components for nursing instructional programs. Examines the relationships among philosophy, goals, and outcomes for various learning environments. (Graduate Certificate requirement/Elective for MSN.)
- 551. Teaching, Learning, and Evaluation in Collegiate Nursing Programs (3).** Focuses on teaching-learning theories, processes, strategies, and styles. Examines evaluation principles in the classroom and clinical setting. (Graduate Certificate requirement/Elective for MSN.)
- 552. Practicum in Collegiate Nursing Education (3).** Prerequisites: NU 550, 551, and 553. Application for teaching-learning theories/ strategies, assessment and measurement methods, curricular frameworks, and nursing knowledge in an educational context. (Graduate Certificate requirement/Elective for MSN.)
- 553. Issues and Trends in Collegiate Nursing Education (3).** Exploration of issues and trends influencing the role of the nursing educator. Includes analysis of technological, legal, economic, political, cultural, and ethical, and professional dynamics. (Graduate Certificate requirement/Elective for MSN.)
- 581. Independent Study (1).** Prerequisite: Permission of the advisor. Special project in nursing/disaster management.
- 582. Independent Study (2).** Prerequisite: Permission of the advisor. Special project in nursing/disaster management.
- 583. Independent Study (3).** Prerequisite: Permission of the advisor. Special project in nursing/disaster management.

PHYSICS

The Department of Physical and Earth Sciences offers supporting courses for students majoring in secondary education with a teaching field in general science. Supporting courses are offered for the MS.Ed. and the Ed.S. degrees. A graduate degree program is not offered in physics.

PHYSICS COURSES

Prefix PHS

- 491G. Quantum Mechanics (3).** An extension of 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.
- 492G. Advanced Quantum Mechanics (3).** Prerequisite: PHS 491G. A continuation of the investigation of quantum mechanics.
- 500. Physics for Teachers (3).** This course deals with basic concepts in physics for pre-service and in-service secondary education teachers. It covers contents, methods, and hands-on activities. Topics selected from classical mechanics, fluids, and thermodynamics.
- 501. Physics for Teachers (3).** This course deals with basic concepts in physics for pre-service and in-service secondary education teachers. It covers contents, methods, and hands-on activities. Topics selected from electricity, magnetism, and optics.
- 502. Physics for Teachers (3).** This course deals with basic concepts in physics for pre-service and in-service secondary education teachers. It covers contents, methods, and hands-on activities. Topics selected from modern physics, e.g., quantum physics, atomic physics, and nuclear physics.

POLITICAL SCIENCE

The Political Science and Public Administration Department offer core courses and an area of concentration in political science within the Master of Public Administration (MPA) degree program and supporting courses for the Master of Arts with a major in liberal studies. For students majoring in secondary education with a teaching field in social science, supporting courses are offered for the Master of Science in Education and the Educational Specialist degrees.

For application materials required and admission requirements to the MPA with a major in public administration and a concentration in political science, please refer to the Public Administration section of this *Bulletin*.

POLITICAL SCIENCE COURSES Prefix PSC

- 421G. American Diplomacy to 1900 (3).** Chronological development of American foreign policy from the early period to 1900.
- 423G. 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.
- 430G. Governments of Asia (3).** Examines the political systems and political cultures of Asia countries from Afghanistan to Southeast Asia, with major emphasis on India, China, and Japan.
- 432G. 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.
- 433G. Governments of Europe (3).** Examines the political systems and political cultures of Europe with major emphasis on Great Britain, France, Germany, and Russia. Prerequisite: PSC 100.
- 435G. International Organizations (3).** Prerequisite: PSC 432 or 432G. Examines regional and world intergovernmental organizations (IGO) with emphasis on the United Nations and including NATO, OAS, European Union and others. Included will be some coverage of nongovernmental organizations (NGO) such as multinational corporations.
- 443G. Constitutional Law I (3).** Fundamental principles of U.S. Constitution and its development including powers of President and Congress, federalism, interstate commerce, and others; textbook and case method.
- 444G. Constitutional Law II (3).** Relationship between individual and government as revealed through constitutional law cases; civil liberties based on interpretation of Bill of Rights and Fourteenth Amendment; textbook and case method.
- 445G. Southern Politics (3).** Politics of 11 southern states with regard to voting, elections, origin and decline of one-party system in the South, role of the Republican party and minor parties, and impact of southern politics on national affairs.

- 447G. Politics and Public Opinion (3).** Forces affecting politics, public opinion, and elections in the U.S.; examines the election structure, as well as individual and group political participation.
- 450G. The American Executive (3).** Role and behavior of American executives at national, state, and local levels in the U.S. political system with emphasis on American presidency.
- 451G. Political Theory From the Ancients to 1700 (3).** Examines political thought from ancient Greece to Europe's Early Modern Era. An emphasis is placed on the historical-cultural context in which these theories developed, their influence on modern concepts, and the recurring patterns affecting the rise and fall of human societies and how they relate to the present.
- 452G. 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.
- 454G. American Political Thought (3).** Principal ideas of leading political thinkers in America from colonial period to the present.
- 455G. Political Psychology (3).** This course is an overview of the interdisciplinary connection between political and psychological processes. The incorporation of political science and psychology might help in the understanding of why leaders behave as they do and why citizens support or oppose political leaders.
- 463G. National Security Affairs (3).** Examines theories and policies of national security with emphasis on United States defense policies. Emphasis is on the roles of executive, legislative, and nongovernmental actors. Topics include arms control, terrorism, military-civilian relations, manpower and weapons' acquisitions, strategic theory, and conflict resolution.
- 482G. Grantwriting (3).** This course is intended to give a clear and understanding of the grant writing process. The process will begin with identification of worthy projects and end with submitting a final grant proposal. Taught with a "hands on" approach. Gives exposure to the grant writing process and peer review from start to finish.
- 493G. The Judicial Process (3).** Procedures involved in judicial process; attendance at actual court trials in the local area.
- 500. Foundations of Public Administration (3).** Explores the evolutionary process of American public administration with the intent of focusing on theoretical and applied contexts of contemporary public administration. Special attention is placed upon the role of administration as it applies to the legislative-executive relations (including accountability, transparency and responsibility in democratic administration), the role of administration in the policymaking process, the legal basis for public administration, and financial and personnel responsibilities of administrators in the public sector
- 501. The Analysis of Policy (3).** An in-depth investigation of intergovernmental functions and major programs on the federal, state, and local levels of government, including modes of analysis, models of decision making, evaluation methods, styles of executive leadership, by employing examples of past and current policies.
- 502. Research Methods in Public Administration (3).** Social research methods and their application to public administration; examination of the role of social research in the analysis, interpretation and clarification of problems in public administration. (PSC 502 is cross-listed with CJ 502 and only one course may be counted for credit.)

- 504. Administrative Leadership and Ethics (3).** The effective application of major theoretical frameworks to diagnose organizations' ethical cultures and exercising the various principles of leadership when resolving ethical issues in order to institute organizational change.
- 512. Intergovernmental Relations (3).** 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.
- 521. Administrative Law (3).** Legal principles and procedures involved in administration of government agencies.
- 531. Public Personnel Administration (3).** Functions, procedures, and problems of personnel management at all levels of government.
- 532. Public Finance Administration (3).** Collection, custody, and expenditure of public revenue, public borrowing and debt management, preparation and execution of the budget, and financial accountability for public spending.
- 540. Organizational Theory and Bureaucratic Structures (3).** Designed to enhance the study of complex organizational structures and the behavior of individuals working within those organizations. Emphasis is placed on public institutions and the effect different organizational structures and behaviors have on public policy.
- 545. Seminar in Public Administration (3).** Theories, or models, of administrative organization and behavior and examination of relationship between public administration and political process.
- 555. Seminar in Comparative Public Administration (3).** Comparison of approaches to and problems associated with public administration in different nation types: western/ nonwestern; developed/underdeveloped; large/small; and open/closed.
- 583, 584. Directed Studies in Political Science (3).** *Permission of the instructor and approval of the department head.* Requires in-depth research/study of specific topics under close supervision by the instructor. A letter grade will be assigned for this course.
- 585, 586. Directed Studies in Public Administration (3) (3).** Prerequisites: Permission of the instructor and approval of the department head. An in-depth study of selected topics.
- 594, 595. Legal Internship (3).** *Permission of the instructor and approval of the department head.* Supervised assignment in offices of area district attorneys, judges, or law firms. Minimum of 8 hours per week. Grade of Pass/Fail only.
- 597, 598. Public Affairs Internship (3) (3).** (Grade of Pass or Fail only) Prerequisites: Permission of the instructor and approval of the department head. Supervised assignment in office of an area public agency for a minimum of eight hours per week.

PSYCHOLOGY

The Psychology Department offers courses leading to the Master of Science degree in psychology. Included in the curriculum are a broad range of behaviorally focused courses. The purpose of this degree is to prepare students for careers in the application of behavior analytic techniques to the behavioral habilitation of diverse populations. The Behavior Analyst Certification Board® (<http://www.bacb.com/>) has approved the following course sequence as meeting the coursework requirements for eligibility to take the Board Certified Behavior Analyst Examination®: PSY 511, PSY 521, PSY 528, PSY 529, and PSY 530. Applicants will have to meet additional experience requirements to qualify.

APPLICATION MATERIALS REQUIRED FOR THE MASTER OF SCIENCE WITH A MAJOR IN PSYCHOLOGY

Applicants for the MS with a major in psychology must submit all of the following documentation to the College of Graduate Studies, Jacksonville State University, 700 Pelham Road North, Jacksonville, Alabama 36265-1602, to be considered for admission:

1. Completed JSU Graduate Application for Admission (application is available online at http://www.jsu.edu/graduate/grad_app.html)
2. Non-refundable \$30.00 application processing fee
3. Official transcript(s) from all postsecondary institutions attended (students who have previously attended only JSU need not request a transcript from the university)
4. Official scores on the General Test of the GRE taken within five years immediately preceding enrollment (www.gre.org)
5. Three (3) "Graduate Reference Forms" completed by individuals who can provide qualitative assessment of the applicant's potential for success in graduate course work (<http://www.jsu.edu/graduate/forms.html>)
6. A curriculum vitae including education, employment, and other applicable psychology-related experience/skills (e.g., practicum/research experience, presentations, publications)
7. Letter of intent describing reasons for pursuing a master's degree with a major in psychology at JSU
8. If English is not the applicant's native language, the applicant is required to submit an official TOEFL score report, an IELTS score report or a PTE score report (please refer to page 28 of this *Bulletin*).

See the College of Graduate Studies website for forms and fee information. All items must be sent to the College of Graduate Studies, Jacksonville State University, 700 Pelham Road North, Jacksonville, Alabama 36265-1602. Applications are considered for admission for the fall semester only and all materials must be received in the College of Graduate Studies by August 1. Applications received before April 15 will be given priority consideration. Applications completed after August 1 will be considered for admission in the fall semester of the following year.

MINIMUM REQUIREMENTS FOR THE DEGREE

The Psychology Graduate Committee will evaluate each student's undergraduate coursework and experience to determine which foundation courses are required in addition to graduate coursework. Although grades achieved in undergraduate foundation courses will not be included in the computation of the graduate GPA, students must earn a grade of B or better in each foundation course if taken after completion of their bachelor's degree. Foundation courses must be completed during the first year of graduate study.

Undergraduate Foundation Courses:

PSY 201 Principles of Psychology
 PSY 300 Statistics for Life Sciences
 PSY 310 Research Methods

Non-Thesis Option:

A minimum of 39 graduate semester hours of psychology courses, plus additional foundation courses for students without adequate undergraduate preparation; successful completion of a comprehensive examination; and a minimum grade point average of 3.0 on a 4.0 scale in all graduate coursework is required. The 39 graduate semester hours of psychology courses for the non-thesis option must include the following courses:

a. Seven Core Requirements (21 hours):

PSY 511 Conceptual Foundations of Behavior Analysis (3)
 PSY 521 Functional Assessment (3)
 PSY 528 Applied Behavior Analysis I (3)
 PSY 529 Applied Behavior Analysis II (3)
 PSY 530 Single-Subject Research Methods (3)
 PSY 534 Experimental Analysis of Behavior (3)
 PSY 538 Ethics and Professional Development (3)

b. Six Electives Courses (18 hours):

The remaining 18 hours are electives in psychology chosen from psychology graduate courses listed on the following pages and must meet the following requirements:

- Students must complete PSY 504 as an additional one credit elective and earn a grade of B or better if they have not taken PSY 221, Behavior Analysis Lab, or an equivalent laboratory course at the undergraduate level. If students have already received credit for this course at the undergraduate level, they may not enroll and receive graduate credit in it.
- Students must complete PSY 450G as an elective if they have not taken PSY 450, History and Systems of Psychology, or an equivalent course at the undergraduate level. If students have already received credit for these courses at the undergraduate level, they may not enroll and receive graduate credit in them.
- Only 6 hours in PSY 570-595 may count towards degree requirements.

39 Graduate Semester Hours Required for the Non-Thesis Option

Thesis Option:

A minimum of 39 graduate semester hours of psychology courses, plus additional foundation courses for student without adequate undergraduate preparation; successful completion of a thesis defense; and a minimum grade point average of 3.0 on a 4.0 scale in all graduate coursework is required. The 39 graduate semester hours of psychology courses for the thesis option must include the following courses:

a. Seven Core Courses (21 hours):

- PSY 511 Conceptual Foundations of Behavior Analysis (3)
- PSY 521 Functional Assessment (3)
- PSY 528 Applied Behavior Analysis I (3)
- PSY 529 Applied Behavior Analysis II (3)
- PSY 530 Single-Subject Research Methods (3)
- PSY 534 Experimental Analysis of Behavior (3)
- PSY 538 Ethics and Professional Development (3)

b. Four Elective Courses (12 hours) chosen from psychology graduate courses listed on the following pages and meeting the following requirements:

- Students must complete PSY 504 as an additional one credit elective and earn a grade of B or better if they have not taken PSY 221, Behavior Analysis Lab, or an equivalent laboratory course at the undergraduate level. If students have already received credit for this course at the undergraduate level, they may not enroll and receive graduate credit in it.
- Students must complete PSY 450G as an elective if they have not taken PSY 450, History and Systems of Psychology, or an equivalent course at the undergraduate level. If students have already received credit for this course at the undergraduate level, they may not enroll and receive graduate credit in it.
- Completion of PSY 570-595 will not count towards degree requirements for student completing the thesis option.

c. PSY 599 Thesis I and II (6 hours)

39 Graduate Semester Hours Required for Thesis Option

PLAN OF STUDY

FIRST YEAR

Fall	Spring	Summer
PSY 511.....3	PSY 529.....3	PSY 538.....3
PSY 521.....3	PSY 530.....3	
PSY 528.....3	PSY 534.....3	
9	9	

SECOND YEAR

Fall	Spring
Electives.....9	Electives.....9

PSYCHOLOGY COURSES
Prefix PSY

- 450G. History and Systems of Psychology (3).** Examines the historical evolution of modern psychology and the conceptual systems which have been developed.
- 504. Graduate Behavior Analysis Lab (1).** Stresses the skills involved in specifying, observing, and consequenting behavior and teaches the standard techniques of behavioral laboratories.
- 511. Conceptual Foundations of Behavior Analysis (3).** Issues underlying the acquisition, conceptualization, and understanding of valid knowledge in psychology, including the design, implementation, and interpretation of research.
- 521. Functional Assessment (3).** The strategies and ethics of functional assessment are presented in the larger context of behavioral assessment. Research articles relevant to indirect, descriptive, and experimental functional assessment approaches and assessment-based interventions are reviewed.
- 528. Applied Behavior Analysis I (3).** Pre- or Co-requisite: PSY 221 or PSY 504. An introduction to and examination of the theory, principles, and methods of modern applied behavior analysis.
- 529. Applied Behavior Analysis II (3).** Prerequisites: PSY 221 or PSY 504 and PSY 528. Diverse populations commonly served by applied behavior analysts (e.g., substance abuse, autism, traumatic brain injury) are examined with respect to their prevalence, defining characteristics, etiology, and current research trends. The potential for the use of applied behavior analysis in underserved populations is also discussed.
- 530. Single-Subject Research Methods (3).** Prerequisites: PSY 221 or PSY 504 and PSY 528. Examination of the strategies and tactics used in single-subject research to implement socially important behavior change.
- 534. Experimental Analysis of Behavior (3).** Prerequisite: PSY 511. A development of the paradigmatic framework of the experimental analysis of behavior, and an examination of the research and resulting body of knowledge provided by that analytical approach.
- 538. Ethics and Professional Development (3).** Prerequisites: PSY 530 and PSY 534. Discussion of ethical guidelines and professional skills pertinent to research and practice in behavior analysis.
- 540. Analysis of Child Development (3).** Prerequisites: Completion of 12 semester hours of core psychology graduate courses including PSY 530 and PSY 534. The behavior-analytic view of child development is compared and contrasted with other systems for understanding development (e.g., Piagetian theory). Students review and critically evaluate current and seminal literature related to several developmental domains (e.g., motor, language, social).
- 541. Verbal Behavior (3).** Prerequisites: PSY 530 and PSY 534. The conceptual foundation, empirical basis, and practical application of verbal behavior are surveyed.
- 545. Social Behavior (3).** Prerequisites PSY 530 and PSY 534 or equivalent. Introduction to behavior within a social context with a focus on classic and contemporary studies of social influence, group processes, persuasion, and prosocial behavior, as well as their real-world applications.

- 548. Psychology of Aging (3).** Prerequisites: PSY 530 and PSY 534. A survey of topics pertaining to the study of older adults and processes of aging, with emphases on neuropsychological, cognitive, and social development.
- 551, 552, 553, 554. Seminar in Contemporary Topics (3)(3)(3)(3).** Prerequisites: PSY 530 and PSY 534. Various topics covering real-world applications of contemporary topics in psychology.
- 555. Behavior Analytic Approaches to Instruction (3).** Prerequisites: PSY 530 and PSY 534. Behavior analytic approaches to teaching, including programmed instruction, direct instruction, personalized systems of instruction, precision teaching, and curriculum-based measurement, are examined in addition to a review of general classroom behavior management strategies.
- 563. Behavior Therapy (3).** Prerequisites: PSY 530 and PSY 534. Principles of respondent conditioning and operant-respondent interactions, with special emphasis on practical applications of these principles. Examples include drug abuse, depression, stress, weight control, sexual disorders, anxiety disorders, and superstitions.
- 566. Impulsivity and Self-Control (3).** Prerequisite: PSY 530 and PSY 534. The conceptual, experimental, and economic analysis of impulsivity and self-control in both human and non-human animals.
- 570, 571. Instructional Practicum (3)(3).** Prerequisites: Approval of the instructor. Application of psychological principles in educational settings such as undergraduate courses. Responsibilities could include lab assistantship tasks including mentoring of students, presentation of course work, organization of class materials, etc. under the supervision of a faculty member.
- 579, 580, 581. Applied Behavior Analysis Practicum (3)(3)(3).** Prerequisites: Approval of the instructor. Practice of behavior analysis in applied settings such as habilitation of individuals with developmental disabilities, modification of behavior in schools, and improvement of organization performance.
- 592, 593. Independent Research (3)(3).** Prerequisites: Approval of the instructor. Students will conduct supervised research projects chosen in coordination with their supervisor.
- 594, 595. Independent Readings (3)(3).** Prerequisites: Approval of the instructor. Independent readings will normally include content not offered in regularly scheduled classes.
- 599. Thesis (3)(3).** (Grade of Pass or Fail only) Prerequisites: Approval of the instructor. Design and conduct an empirical research study, topic to be chosen in coordination with thesis committee chair, resulting in a written thesis to be defended before the student's thesis committee.

PUBLIC ADMINISTRATION

The mission of Jacksonville State University's MPA Program is to provide a diverse student population with the knowledge and core competencies to become effective public administrators. Through the use of a standardized public administration curriculum and interdisciplinary cooperation, our program is able to prepare students for leadership roles in a variety of public and non-profit organizations. Utilizing traditional classroom and on-line formats, our program is able to provide quality graduate education that promotes the values and ideals of public service to all students.

Applicants to the MPA with a major in public administration must select one of the following concentrations: administrative management, criminal justice, education, emergency management, environmental science management, geographical information systems, or political science.

Deadline dates for application and receipt of all required application materials for the MPA degree are: **November 1 for spring semester admission, April 1 for summer admission, and July 1 for fall semester admission.**

APPLICATION MATERIALS REQUIRED FOR THE MPA

Applicants for the MPA must submit all of the following documentation to the College of Graduate Studies, Jacksonville State University, 700 Pelham Road North, Jacksonville, Alabama 36265-1602, to be considered for admission:

1. Completed JSU Graduate Application for Admission (http://www.jsu.edu/graduate/grad_app.html)
2. Non-refundable \$30.00 application processing fee
3. Official transcript(s) from all postsecondary institutions attended. (Students who have previously attended JSU do not need to request a transcript from the University.)
4. Official test scores on the GMAT, the General Test of the GRE, or the MAT (please refer to page 18 of this *Bulletin*).
5. Three "Graduate Reference Forms" completed by individuals who can provide qualitative assessment of the applicant's potential for success in graduate course work. This form is available in the office of the College of Graduate Studies or online at <http://www.jsu.edu/graduate/forms/html> or www.jsu.edu/graduate/docs/ref_form.pdf
6. A statement of purpose/interest that shows why the MPA degree is important to the applicant, what the applicant will bring to the program, and how the degree will benefit the applicant's career aspirations.
7. A professional resume including academic history, employment, and voluntary/community work. Students who have one year or more of experience working for federal, state, or local government, or a nonprofit organization must include this experience on their resume and include a letter from the federal, state, or local government or nonprofit organization employer in order to be exempt from the internship requirement of this degree. The employer's letter must state the dates of

employment as well as the student's main responsibilities while employed within the organization. Students lacking substantial prior administrative experience in government or nonprofit organizations must also register for 3 semester hours of internship credit (PSC 597 Public Affairs Internship), successfully complete internship responsibilities in a government (federal, state, or local) or nonprofit organization, and receive a passing grade for PSC 597.

8. If English is not the applicant's native language, the applicant is required to submit an official TOEFL score report, an IELTS score report, or a PTE score report (please refer to page 28 of this *Bulletin*).

ADMISSION REQUIREMENTS TO THE MPA

Applicants who meet the general admission requirements to the College of Graduate Studies are eligible for admission to the MPA. A particular undergraduate major is not specified for admission to this program.

Applicants must meet one of the following admission formula requirements. For purposes of computing the undergraduate GPA, a 4.0 grade-point scale is used. The plus (+) and minus (-) grades from undergraduate transcripts are not used in calculating the GPA.

Unconditional Admission

200 times the undergraduate GPA on the undergraduate degree plus the GMAT is equal to or greater than a total of 850 points.

OR

450 times the undergraduate GPA plus the total score of verbal and quantitative sections of the General Test of the GRE is equal to or greater than a total of 1900 points;

OR

15 times the undergraduate GPA plus the MAT score is equal to or greater than a total of 80 points;

OR

200 times the undergraduate GPA on the undergraduate degree on the **last 64 hours attempted** toward the completion of the initial undergraduate degree plus the GMAT scores is equal to or greater than a total of 900 points.

Conditional Admission

Any applicant failing to meet the requirements for unconditional admission may be conditionally admitted with the recommendation of the graduate faculty in the applicant's major and approval of the Dean of the College of Graduate Studies.

Applicants who are granted conditional admission must achieve a GPA of at least 3.0 on the first 12 graduate hours attempted within a twelve-month time frame. Failure to meet these conditions will result in the student being dropped from graduate studies.

MINIMUM REQUIREMENTS FOR THE MPA DEGREE

A total of 39 semester hours is required for most concentrations; an exception is education which may require 40 semester hours. The student must complete 18 semester hours in required public administration courses (21 if an internship is required); 15 semester hours in a concentration from one of the following fields: administrative management, criminal justice, education, emergency management, environmental science management, geographical information systems, political science, or sport management; and six hours of electives (only 3 semester hours of electives if an internship is required). All degree candidates lacking substantial prior administrative experience in government or nonprofit organizations must also register for 3 semester hours of internship credit (PSC 597 Public Affairs Internship), successfully complete internship responsibilities in a government (federal, state, or local) or nonprofit organization, and receive a passing grade for PSC 597. In addition, students who need to take PSC 597 Public Affairs Internship must enroll in the course during their last semester of coursework.

Required Public Administration Courses (18 semester hours):

- PSC 500 Foundations of Public Administration (3)
(to be taken during the first semester)
- PSC 501 The Analysis of Policy (3) or PSC 545 Seminar in Public Administration (3)
- PSC 502 Research Methods in Public Administration (3)
- PSC 504 Administrative Leadership and Ethics (3)
- PSC 531 Public Personnel Administration (3)
- PSC 532 Public Finance Administration (3)
- PSC 597 Public Affairs Internship (3) (If required)

Concentration in one of the Following Fields of Study (15 semester hours):

- Administrative Management: 15 required semester hours
or
- Criminal Justice: 15 semester hours by advisement
or
- Education: 15-16 required semester hours
or
- Emergency Management: 15 required semester hours
or
- Environmental Science Management: 15 required semester hours
or
- Geographical Information Systems: 15 required semester hours
or
- Political Science: 15 semester hours by advisement

Electives (6 semester hours, 3 semester hours if internship is required):

The remaining six hours are electives (3 semester hours if internship is required) in a field appropriate to the student's interest and career objectives. Students concentrating in administrative management may not elect these six hours in business courses.

39 Graduate Semester Hours Required for this Degree

Course descriptions for the public administration courses are provided in the Political Science section of *this Bulletin*.

Course descriptions for the concentration courses are provided in the various program sections of this *Bulletin*.

MASTER OF PUBLIC ADMINISTRATION WITH A CONCENTRATION IN ADMINISTRATIVE MANAGEMENT

The College of Commerce and Business Administration (CCBA) offers an area of concentration in administrative management within the MPA degree program. Please refer to pages 275-278 of this *Bulletin* for required application materials and admission requirements for this program.

REQUIRED BUSINESS ADMINISTRATION COURSES FOR THE MPA WITH A CONCENTRATION IN ADMINISTRATIVE MANAGEMENT

A total of 39 semester hours is required for this degree program. The student must complete 15 semester hours in the administrative management concentration courses, 18 semester hours in required public administration courses, and six semester hours in electives (three semester hours of electives if an internship is required).

Required Public Administration Courses (18 semester hours):

- PSC 500 Foundations of Public Administration (3)
(to be taken during the first semester)
- PSC 501 The Analysis of Policy (3) or PSC 545 Seminar in Public Administration (3)
- PSC 502 Research Methods in Public Administration (3)
- PSC 504 Administrative Leadership and Ethics (3)
- PSC 531 Public Personnel Administration (3)
- PSC 532 Public Finance Administration (3)
- PSC 597 Public Affairs Internship (3) (If required)

The student must complete 15 semester hours of required administrative management courses listed below :

- MGT 504 Organization and Administration (3)
- MGT 537 Business Leadership (3)
- BA 501 Organizational Communication (3)
- Administrative Management Concentration Elective by Advisement (3)
- Administrative Management Concentration Elective by Advisement (3)

The two remaining required courses (as noted above) will be selected from any of the College of Commerce and Business Administration classes for which students have met all prerequisites. These will be determined for each student based on interaction with their Administrative Management concentration adviser.

39 Graduate Semester Hours Required for this Degree

Notes:

Course descriptions for the administrative management courses are provided in the Business Administration section of this *Bulletin*.

Course descriptions for the public administration courses are provided in the Political Science section of this *Bulletin*.

MASTER OF PUBLIC ADMINISTRATION WITH A CONCENTRATION IN CRIMINAL JUSTICE

The Criminal Justice Department offers an area of concentration in criminal justice within the MPA degree program. Please refer to pages 275-278 of this *Bulletin* for required application materials and admission requirements for this program.

REQUIRED CRIMINAL JUSTICE COURSES FOR THE MPA WITH A CONCENTRATION IN CRIMINAL JUSTICE

A total of 39 semester hours is required for this degree program. The student must complete 15 semester hours in the criminal justice concentration courses, 18 semester hours in required public administration courses, and six semester hours in electives (three semester hours of electives if an internship is required).

Required Public Administration Courses (18 semester hours):

PSC 500	Foundations of Public Administration (3) (to be taken in the first semester)
PSC 501	The Analysis of Policy (3) or PSC 545 Seminar in Public Administration (3)
PSC 502	Research Methods in Public Administration (3)
PSC 504	Administrative Leadership and Ethics (3)
PSC 531	Public Personnel Administration (3)
PSC 532	Public Finance Administration (3)
PSC 597	Public Affairs Internship (3) (If required)

The student must complete the 15 semester hours of required criminal justice concentration courses listed below:

CJ 500	Contemporary Criminal Justice Issues (3)
CJ 507	Legal Issues (3)
CJ 509	Criminal Justice Planning and Evaluation (3)
CJ elective	Criminal Justice elective by advisement (3)
CJ elective	Criminal Justice elective by advisement (3)

39 Graduate Semester Hours Required for this Degree

Notes:

Course descriptions for the criminal justice courses are provided in the Criminal Justice section of this *Bulletin*.

Course descriptions for the public administration courses are provided in the Political Science section of this *Bulletin*.

MASTER OF PUBLIC ADMINISTRATION WITH A CONCENTRATION IN EDUCATION

The College of Education and Professional Studies offers an area of concentration in education within the MPA degree program. Please refer to pages 275-278 of this *Bulletin* for required application materials and admission requirements for this program.

REQUIRED EDUCATION COURSES FOR THE MPA WITH A CONCENTRATION IN EDUCATION

A total of 39 - 40 semester hours is required for this degree program. The student must complete 15-16 semester hours in the education concentration courses, 18 semester hours in required public administration courses, and six semester hours of electives (three semester hours of electives if an internship is required).

Required Public Administration Courses (18 semester hours):

PSC 500	Foundations of Public Administration (3) (to be taken during the first semester)
PSC 501	The Analysis of Policy (3) or PSC 545 Seminar in Public Administration (3)
PSC 502	Research Methods in Public Administration (3)
PSC 504	Administrative Leadership and Ethics (3)
PSC 531	Public Personnel Administration (3)
PSC 532	Public Finance Administration (3)
PSC 597	Public Affairs Internship (3) (If required)

The student must complete the 15-16 semester hours of required education concentration courses listed below:

*ED 500	Introduction to Graduate Education and Technology (1) (Discipline specific section required first semester of enrollment.)
EFD 500	Research in Education (3)
EFD 531	Philosophy of Education (3)
EFD 532	Social Foundations of Education (3)
EFD 560	Psychological Principles of Learning (3)
EIM 503	Computer-Based Instructional Technologies (3)

*If a graduate student has not completed Ed 500 (discipline specific section) the student must complete this course as a co-requisite for the first semester of enrollment in education courses.

39-40* Graduate Semester Hours Required for this Degree

Notes:

Students who register for courses in the College of Education and Professional Studies are required to purchase College LiveText. Additional information on College LiveText can be obtained at [Students in this program are required to purchase College LiveText. College LiveText Education Solutions is a complete development, management, and assessment solution specifically designed for colleges and universities. Additional information on College LiveText can be obtained at <http://www.livetext.com>.](http://www.livetext.com)

Course descriptions for the education courses are provided in the Education section of this *Bulletin*. Course descriptions for the required public administration courses are provided in the Political Science section of this *Bulletin*.

MASTER OF PUBLIC ADMINISTRATION WITH A CONCENTRATION IN EMERGENCY MANAGEMENT

The Institute for Emergency Management (IEP) offers an area of concentration in emergency management within the MPA degree program. Please refer to pages 275-278 of this *Bulletin* for required application materials and admission requirements for this program.

The IEP also offers courses for the Master of Science (MS) with a major in emergency management. Please refer to the Emergency Management section of this *Bulletin* for required application materials and admission requirements for this program.

A graduate certificate in emergency management is also available for non-degree students who wish to specialize in the area of emergency management. Please refer to the Emergency Management section of this *Bulletin* for requirements for the graduate certificate in emergency management.

REQUIRED EMERGENCY MANAGEMENT COURSES FOR THE MPA WITH A CONCENTRATION IN EMERGENCY MANAGEMENT

A total of 39 semester hours is required for this degree program. The student must complete 15 semester hours in the emergency management concentration courses, 18 semester hours in required public administration courses, and six semester hours in electives (three semester hours of electives if an internship is required).

Required Public Administration Courses (18 semester hours):

- PSC 500 Foundations of Public Administration (3)
(to be taken during the first semester)
- PSC 501 The Analysis of Policy (3) or PSC 545 Seminar in Public Administration (3)
- PSC 502 Research Methods in Public Administration (3)
- PSC 504 Administrative Leadership and Ethics (3)
- PSC 531 Public Personnel Administration (3)
- PSC 532 Public Finance Administration (3)
- PSC 597 Public Affairs Internship (3) (If required)

The student must complete the 15 semester hours of required emergency management concentration courses listed below:

- EM 505 Foundations of Emergency Management (3)
- EM 590 Capstone in Emergency Management (3)

Choose *three* courses from the four courses listed below:

- EM 525 Disaster Recovery (3)
- EM 540 Hazard Mitigation (3)
- EM 545 Emergency Preparedness (3)
- EM 555 Disaster Response (3)

39 Graduate Semester Hours Required for this Degree

Notes:

Course descriptions for the emergency management courses are provided in the Emergency Management section of this *Bulletin*. Course descriptions for the required public administration courses are provided in the Political Science section of this *Bulletin*.

MASTER PUBLIC ADMINISTRATION WITH A CONCENTRATION IN ENVIRONMENTAL SCIENCE MANAGEMENT

The Department of Physical and Earth Sciences offers an area of concentration in environmental science management within the MPA degree program. Please refer to pages 275-278 of this *Bulletin* for required application materials and admission requirements for this program.

A graduate certificate in environmental science management is also available for non-degree students who wish to specialize in the area of environmental science management. Please refer to the Environmental Science Management section of this *Bulletin* for requirements for the graduate certificate in environmental science management.

REQUIRED ENVIRONMENTAL SCIENCE MANAGEMENT COURSES FOR THE MPA WITH A CONCENTRATION IN ENVIRONMENTAL SCIENCE MANAGEMENT

A total of 39 semester hours is required for this degree program. The student must complete 15 semester hours in the environmental science management concentration courses, 18 semester hours in required public administration courses, and six semester hours in electives (three semester hours of electives if an internship is required).

Required Public Administration Courses (18 semester hours):

- PSC 500 Foundations of Public Administration (3)
(to be taken during the first semester)
- PSC 501 The Analysis of Policy (3) or PSC 545 Seminar in Public Administration (3)
- PSC 502 Research Methods in Public Administration (3)
- PSC 504 Administrative Leadership and Ethics (3)
- PSC 531 Public Personnel Administration (3)
- PSC 532 Public Finance Administration (3)
- PSC 597 Public Affairs Internship (3) (If required)

The student must complete the 15 semester hours of required environmental science management concentration courses listed below:

- ESC 490G Environmental Auditing (3)
- ESC 495G Risk Analysis (3)
- ESC 496G Watershed Management (3)
- ESC 510 Environmental Laws and Regulations (3)
- ESC 535 Integrated Waste Management (3)

39 Graduate Semester Hours Required for this Degree

Notes:

Course descriptions for the environmental science management courses are provided in the Environmental Science Management section of this *Bulletin*.

Course descriptions for the public administration courses are provided in the Political Science section of this *Bulletin*.

MASTER OF PUBLIC ADMINISTRATION WITH A CONCENTRATION IN GEOGRAPHICAL INFORMATION SYSTEMS

The Department of Physical and Earth Sciences offers an area of concentration in geographical information systems (GIS) within the MPA degree program. Please refer to pages 275-278 of this *Bulletin* for required application materials and admission requirements for this program.

A graduate certificate in GIS is also available for non-degree students who wish to gain expertise in GIS. Please refer to the Geographical Information Systems section of this *Bulletin* for requirements for the graduate certificate in geographical information systems

REQUIRED GIS COURSES FOR THE MPA WITH A CONCENTRATION IN GIS

A total of 39 semester hours is required for the degree. The student must complete 15 semester hours in the GIS concentration, 18 semester hours in required public administration courses, and six semester hours of electives (three semester hours of electives if an internship is required).

Required Public Administration Courses (18 semester hours):

- PSC 500 Foundations of Public Administration (3)
(to be taken during the first semester)
- PSC 501 The Analysis of Policy (3) or PSC 545 Seminar in Public Administration (3)
- PSC 502 Research Methods in Public Administration (3)
- PSC 504 Administrative Leadership and Ethics (3)
- PSC 531 Public Personnel Administration (3)
- PSC 532 Public Finance Administration (3)
- PSC 597 Public Affairs Internship (3) (If required)

NOTE: Students who have not had undergraduate courses in GIS, or no prior experience in GIS using ESRI software, are required to complete GIS 510 as a prerequisite for the required courses.

The student must complete the 15 semester hours of required GIS courses listed below:

- GY 455G Organization and Management of Spatial Systems (3)
- GY 456G Spatial Data Layout and Design (3)
- GY 459G Spatial Data Collection and Management (3)
- GIS 580 Directed Research (3)

Choose *one* course from the three courses listed below:

- GY 453G Analyzing Spatial Networks (3)
- GY 454G Site Location Analysis (3)
- GIS 570 Advanced Topics in Spatial Analysis (3)

39 Graduate Semester Hours Required for this Degree

Notes:

Course descriptions for the geographical information systems are provided in the Geographical Information Systems section of this *Bulletin*. Course descriptions of the required public administration courses are provided in the Political Science section of this *Bulletin*.

MASTER OF PUBLIC ADMINISTRATION WITH A CONCENTRATION IN POLITICAL SCIENCE

The Political Science and Public Administration Department offers an area of concentration in political science within the MPA degree program. Please refer to the pages 275-278 of this *Bulletin* for required application materials and admission requirements for this program.

REQUIRED POLITICAL SCIENCE COURSES FOR THE MPA WITH A CONCENTRATION IN POLITICAL SCIENCE

A total of 39 semester hours is required for the degree. The student must complete 15 semester hours in the political science concentration, 18 semester hours in required public administration courses, and six semester hours of approved electives (three semester hours if an internship is required).

Required Public Administration Courses (18 semester hours):

PSC 500	Foundations of Public Administration (3) (to be taken during first semester)
PSC 501	The Analysis of Policy (3) or PSC 545 Seminar in Public Administration (3)
PSC 502	Research Methods in Public Administration (3)
PSC 504	Administrative Leadership and Ethics (3)
PSC 531	Public Personnel Administration (3)
PSC 532	Public Finance Administration (3)
PSC 597	Public Affairs Internship (3) (If required)

The student must complete the 15 semester hours to include courses listed below:

PSC 512	Intergovernmental Relations (3)
PSC 450G	The American Executive (3)
PSC 521	Administrative Law (3)
PSC elective	Political Science elective (3) (by advisement)
PSC elective	Political Science elective (3) (by advisement)

The remaining two graduate courses (as noted above) will be selected from any of the political science classes for which students have met all prerequisites. These will be determined for each student based on interaction with their Political Science concentration adviser or the MPA Director.

39 Graduate Semester Hours Required for this Degree

Notes:

Course descriptions for the political science courses are provided in the Political Science section of this *Bulletin*.

Course descriptions for the required public administration courses are provided in the Political Science section of this *Bulletin*.

SPORT MANAGEMENT

A graduate certificate (not a teacher certification program) in sport management is also available for non-degree students who wish to specialize in the area of sport management. This certificate prepares individuals to apply business, coaching and physical education principles to the organization, administration and management of athletic programs and teams, fitness/rehabilitation facilities and health clubs, sport recreation services, and related services. Upon satisfactorily completing the requirements of the graduate certificate (comprehensive examination not required for graduate certificate), an entry will be made on the student's transcript. A student who completes the graduate certificate in sport management may apply the 15 hours credit toward the MA with a major in liberal studies or the MPA with a concentration in sport management. All course work for the MA and MPA, including the sport management course work, must be completed within six years.

APPLICATION MATERIALS REQUIRED FOR A GRADUATE CERTIFICATE IN SPORT MANAGEMENT

Applicants for the graduate certificate in sport management must submit all the following documentation to the College of Graduate Studies, Jacksonville State University, 700 Pelham Road North, Jacksonville, Alabama 36265-1602 to be considered for admission:

1. Completed JSU Graduate Application for Admission (http://www.jsu.edu/graduate/grad_app.html.)
2. Non-refundable \$30.00 application processing fee
3. Official transcripts from the postsecondary institutions awarding the bachelor's degree. (Students who have previously attended JSU do not need to request a transcript from the University.)
4. If English is not the applicant's native language, the applicant is required to submit an official TOEFL score report, an IELTS score report or a PTE score report (please refer to page 28 of this *Bulletin*).

**REQUIRED SPORT MANAGEMENT COURSES FOR
A GRADUATE CERTIFICATE IN SPORT MANAGEMENT**

The student must complete the 15-16 semester hours of required sport management concentration courses listed below:

- ED 500 Introduction to Graduate Education and Technology (1)
(Discipline specific section required first semester of enrollment)
- HPE 525 Current Issues and Trends in Athletics (3)
- HPE 540 Law and Ethics in Physical Education and Sport Management (3)
- HPE 568 Administration of Athletics (3)

Choose *two* courses from the four courses listed below:

- HPE 563 Sport Finance (3)
- HPE 564 Human Resources Management in Sport (3)
- HPE 566 Public and Media Relations in Sport (3)
- HPE 567 Sport Facility Administration and Design (3)
- HPE 576 Sport Marketing (3)
- HPE 586 Sport Promotion and Event Planning (3)

15-16* Graduate Semester Hours Required for this Program

Notes:

Students in this program are required to purchase College LiveText. College LiveText Education Solutions is a complete development, management, and assessment solution specifically designed for colleges and universities. Additional information on College LiveText can be obtained at <http://www.livetext.com>.

Course descriptions for the sport management (ED and HPE) concentration courses are provided in the Education section of this *Bulletin*.

VISUAL COMMUNICATION AND DESIGN

The Department of Art offers courses leading to the Master of Fine Arts (MFA) degree with a major in visual communication and design. The Department of Art is accredited with the National Association of Schools of Art and Design (NASAD), and a member of the College Art Association (CAA).

The 60-credit hour program has been designed to be completed in two years and will focus on offering candidates the opportunity for individual exploration as artists and designers able to address complex problems of communication in contemporary society-locally and globally. This program offers courses where multi-leveled projects are completed using both new media and traditional processes. Students will be carefully guided from early graduate studio experiences through their final exhibition project. Theoretical studies in design and art are part of the program along with graduate level art and design history courses. In addition, the program will also offer courses in pedagogy and andragogy for candidates who would like to teach.

APPLICATION MATERIALS REQUIRED FOR THE MFA WITH A MAJOR IN VISUAL COMMUNICATION AND DESIGN

Applicants for the MFA degree with a major in visual communication and design must submit all of the following documentation to the College of Graduate Studies, Jacksonville State University, 700 Pelham Road North, Jacksonville, Alabama 36265-1602, to be considered for admission.

Applications will be accepted on an on-going basis with the review process starting in mid-January. Applicants will only be accepted for enrollment for each fall semester. Preference will be given to applicants for full-time study. Contact the Department of Art for more information at 256-782-5626 or the College of Graduate Studies at 256-782-5329.

1. Completed JSU Graduate Application for Admission (http://www.jsu.edu/graduate/grad_app.html)
2. Non-refundable \$30.00 application processing fee
3. Official transcripts(s) from all postsecondary institutions attended. (Students who have previously attended JSU do not need to request a transcript from the University.)
4. Three "Graduate Reference Forms" completed by individuals who can provide qualitative assessment of the applicant's potential for success in graduate course work. Two of these must be from educators and/or professionals in the field of visual communication and design. This form is available in the office of the College of Graduate Studies or online at <http://www.jsu.edu/graduate/forms.html> or http://www.jsu.edu/graduate/docs/ref_form.pdf.
5. Statement of Purpose – A statement of purpose should outline the applicant's current or previous work as relevant to plans and objectives for advanced graduate study; describe professional goals; and state the areas of research and investigation the applicant would like to pursue and study in a visual communication and design program.
6. Applicants must submit a portfolio of 20 examples of current work demonstrating proficiency in the area of visual communication and design. Print work should be in a single PDF or JPEGs submitted on a CD or DVD. Images should not exceed 1600 pixels in any direction, 150-300 dpi, and the file size cannot exceed 2 MB. Orient all images top up, for

correct viewing. Please label CD with your name and label each image as follows: last name, first name, title, date, media and number that corresponds with that image on an image index; digital work should be submitted in Flash, QuickTime, or HTML format as appropriate. A separate image index should accompany the samples, listing title, date, media, and relevant information or project descriptions. Applicants must demonstrate competence and understanding of design related digital technology, including proficiency in industry standard page layout, illustration, and image manipulation software. Prerequisites and/or technical experience specific to this field of study may be required prior to admission. The Department of Art is not responsible for the submission of original work. Submissions will not be returned.

7. If applicant is an international student, please see the International Student Applicants section of the current *Graduate Bulletin* which may be viewed online .

ADMISSION REQUIREMENTS FOR THE MFA WITH A MAJOR IN VISUAL COMMUNICATION AND DESIGN

In addition to meeting general admission requirements of the College of Graduate Studies, applicants for the MFA with a major in visual communication and design must have an undergraduate major in art, graphic design, or its equivalent, as determined by the head of the Art Department. Applicants to the MFA must meet the following admission requirements:

Grade Point Average – At least 3.0 for the final 60 semester hours (90 quarter hours) of undergraduate study.

Deficiencies – Admission to the MFA program is based on the extent and quality of undergraduate preparation, including courses in studio art, art history, and other academic subjects. Quality of studio preparation is judged on the basis of careful evaluation of work done at the undergraduate level. Prior to the admission of the successful applicant, the graduate faculty will determine the individual's deficiencies in art studio, art history, and general education, and inform the student of the findings. The prospective student will be given a clear indication of the prerequisites required, emphasizing that no course work taken to compensate for deficiencies in undergraduate preparation can be counted as contributing to the minimum number of credit required for the MFA degree.

Conditional Admission

Any applicant failing to meet the requirements for unconditional admission may be conditionally admitted with the recommendation of the graduate faculty in the applicant's major and approval of the Dean of the College of Graduate Studies.

Applicants who are granted conditional admission must achieve a GPA of at least 3.0 on the first 12 graduate hours attempted within a twelve-month time frame. Failure to meet these conditions will result in the student being dropped from graduate studies.

MINIMUM REQUIREMENTS FOR THE MFA WITH A MAJOR IN VISUAL COMMUNICATION AND DESIGN

Minimum semester hours required: 60

Coursework required: At least 39 credit hours of studio, 36 credit hours must be in the major studio area, 12 credit hours in graduate seminar, 3 credit hours of approved academic elective studies, and 9 credit hours of art and design history.

Studio Project required: No other options are available

Studio Project: All MFA candidates must present for review at a public exhibition or other approved public venue.

Other requirements: Continuation in the MFA program beyond the first 30 semester hours requires an evaluation and recommendation of the Graduate Advisory Committee.

VISUAL COMMUNICATION AND DESIGN COURSES Prefix MFA

- ART 602. Visiting Designer/Artist Project (3) (3) (3).** Prerequisite: May be repeated for credit, up to a maximum of twelve hours, with permission of the instructor and department head. Design studio with visiting designer/artist.
- ART 606. Design Education Pedagogy/Andragogy (3).** History, practice and theory of graphic design education.
- ART 619. Design Studio (3) (3).** Prerequisite: May be repeated for credit, up to a maximum of six hours, with permission of the instructor and department head. Graduate design studio work. Author/designer focused project with interpretation of complex materials at multiple levels.
- ART 623. History of Graphic Design I (3).** Study of major works, themes, movements and theories relating to visual communication and design before the Industrial Revolution.
- ART 624. History of Graphic Design II (3).** Study of major works, themes, movements and theories relating to visual communication and design from the Industrial Revolution to the present.
- ART 625. Design Research, Readings and Seminar (3) (3).** Prerequisite: May be repeated for credit, up to a maximum of six hours, with permission of the instructor and department head. Presentation, analysis, and discussion of readings in visual communication and design theory and criticism.
- ART 626. Contemporary Visual Studies (3) (3).** Prerequisite: May be repeated for credit, up to a maximum of six hours, with permission of the instructor and department head. Study of major works, themes, movements and theories in contemporary art and design.
- ART 636. Design Research, Readings and Seminar (3) (3).** Prerequisite: May be repeated for credit, up to a maximum of six hours, with permission of the instructor and department head. Presentation, analysis, and discussion of readings in visual communication and design theory and criticism.
- ART 638 Special Topics in Graphic Design (3)(3)(3).** *Prerequisite: ART 329 and/or permission of instructor.* An in-depth independent investigation of topics and techniques in the field of graphic design such as: Exhibition design, time-based media, advanced motion studies, experience design, etc. Course may be repeated up to nine credit hours.
- ART 640. Contemporary Media/Communication Studio (3) (3).** Prerequisite: May be repeated for credit, up to a maximum of six hours, with permission of the instructor and department head. Design studio in new media.

- ART 641. Traditional/Communication Studio (3) (3) (3).** Prerequisite: May be repeated for credit, up to a maximum of nine hours, with permission of the instructor and department head. Design studio in traditional media.
- ART 642. Design Studio (3) (3).** Prerequisite: May be repeated for credit, up to a maximum of six hours, with permission of the instructor and department head. MFA project development studio.
- ART 643. Design Studio Exhibition Research (3) (3).** Prerequisite: May be repeated for credit, up to a maximum of six hours, with permission of the instructor and department head. Final MFA exhibition project.
- ART 650. Art Theory (3) (3).** Prerequisite: May be repeated for credit, up to a maximum of six hours, with permission of the instructor and department head. An investigation of the theoretical background associated with artistic production.
- ART 677 Seminar in Art History (3) (3).** *Prerequisites: 6 hours of 300+ AH courses and/or permission of instructor.* A course for students to investigate special topics in Art history in a seminar format which focuses on independent research and presentation. Topics may include such things as: Post-Impressionism, Far Eastern Art, The History of Photography, American Printmaking, etc. Course may be repeated for up to 6 credit hours.
- ART 679. Graduate Independent Study in Art History (3) (3).** Prerequisite: May be repeated for credit, up to a maximum of six hours, with permission of the instructor and department head. Intensive graduate independent study for students within art history, coordinated and approved by a faculty advisor. Selected topics to be coordinated with instructor.
- ART 690. Graduate Independent Study. (3) (3) (3) (3).** Prerequisite: Each course may be repeated for credit, up to a maximum of twelve hours, with permission of the instructor and department head. Intensive graduate independent study for students in studio practice, coordinated and approved by a faculty advisor.

UNIVERSITY ADMINISTRATION

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- G. Clint Carlson, II, B.B.A., MPACC Vice President for Administrative
and Business Affairs
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Graduate Studies
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Academic Affairs
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All graduate programs are under the administrative direction of the College of Graduate Studies. The Dean of the College of Graduate Studies serves as the chief administrative officer and reports to the Vice President for Academic and Student Affairs. The Graduate Dean serves as chair of the Graduate Council and is responsible for implementing, monitoring, and enforcing Graduate Council policies and regulations. The Graduate Dean is also responsible for presenting Graduate Council recommendations to the appropriate administrative authority for approval.

GRADUATE COUNCIL

The Graduate Council, composed of representatives from the graduate faculty, is responsible for formulating policies and regulations affecting graduate curricula and requirements for admission, retention, and graduation.

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Lea Davis	Certification Adviser
Kelly Smith	Secretary
LaRilda Vansandt	Certification Adviser
Tonna Hammett.....	Clerical Assistant

GRADUATE FACULTY LISTING

2012

Meehan, William A. (1977).....	President B.S. and M.S., Jacksonville State University Ed.D., University of Alabama
Turner, Rebecca O. (1981).....	Professor of Social Work, Provost, and B.A., University of Montevallo M.S.W. and D.S.W., University of Alabama Vice President for Academic and Student Affairs
Abercrombie, Jerald D. (1970).....	Professor of Mathematics B.S., Jacksonville State College M.S. and Ph.D., University Of Alabama
Al-Hamdani, Safaa H. (1992).....	Professor of Biology B.S., Baghdad University M.S., Tuskegee Institute Ph.D., Oklahoma State University
Akpan, Joseph (2011).....	Associate Professor of Secondary Education B.S.Ed., Lane College M.Ed., Drake University Ph.D., Iowa State University
Allen, Linda C. (2011).....	Assistant Professor of Instructional Leadership B.A., University of Alabama (Huntsville) M.S., Alabama A&M Ed.S., Jacksonville State University Ed.D., University of Alabama

- Cook, Llewellyn D. (1999)Professor of History
 B.A., Texas A & M
 M.A. and Ph.D., Florida State University
- Corbin, Patricia (1999)..... Professor of Music
 B.M., State University College, Potsdam, NY
 M.A., Montclair State University
 D.M., Indiana University
- Cox, A. Barry (1967).....Professor of Chemistry and
 B.S., Western Carolina College Director of Institute for
 Ph.D., University of South Carolina Emergency Preparedness
- Cunningham, Brent J. (1999)Associate Professor of Marketing
 B.S., Jacksonville State University
 M.A., University of Alabama
 Ph.D., University of Mississippi
- Davis, Randall C. (1991).....Professor of English
 B.A., Marietta College
 M.A. and Ph.D., Ohio State University
- Davis, Richards Patton (2000)Professor of Criminal Justice
 B.A., University of Georgia and Head of Criminal Justice
 M.A. and Ph.D., University of Alabama
- Day, Kenneth W. H. (1990)Associate Professor of Marketing
 B.S., Mount Allison University
 M.B.A., Saint Mary's University
 D.B.A., Southern Illinois University
- Debro, Lajoyce H. (1989).....Professor of Biology
 B.A., Spelman College
 M.S., Atlanta University
 Ph.D., Purdue University
- Dempsey, David W. (2000)Associate Professor of Mathematics
 B.A. and M.S., Jacksonville State University
 Ph.D., University of Kentucky
- Dempsey, Heidi L. (2006)Associate Professor of Psychology
 B.S., Utah State University
 M.A., Simon Fraser University
 Ph.D., University of Kentucky
- Dial, Ardie Jean (1993).....Assistant Professor of Political Science
 B.A., Alabama A&M University and Public Administration
 M.P.A., and J.D., Howard University School of Law
- Di Biase, Carmine G. (1993).....Professor of English
 B.A., Youngstown State University
 M.A., Wright State University
 Ph.D., Ohio State University
- Dodd, Jeffrey J. (1996) Professor of Mathematics
 B.S. and Ph.D., University of Maryland
 M.S., University of Pennsylvania

- Edge, Jr., Windon E.(2008).....Assistant Professor of Nursing
 B.S.N., University of Alabama at Birmingham
 M.S.N., Jacksonville State University
 D.N.P., Samford University
- Engley, Elizabeth A. (1985)..... Professor of Education
 B.S., Hood College
 M.Ed. and Ph.D., University of Missouri-Columbia
- Faughn, Wendy (2003)Associate Professor of Music
 B.M., Florida Atlantic University
 M.M. and D.M.A., University of South Carolina
- Featherstone, Michael (2002) Assistant Professor of Information Management and
 B.S. and M.P.A., Wayne State University E-Commerce
 Ph.D., Southern Cross University
- Felgar, Robert P., III (1971) Professor of English and
 A.B., Occidental College Head of English
 M.A. and Ph.D., Duke University
- Fielding, William T. (1968) Professor of Economics and
 B.S. and M.B.A., Auburn University Dean, College of Commerce
 Ph.D., University of South Carolina and Business Administration
- Ford, Donnie R. (1990) Professor of Computer Science
 B.S., Jacksonville State University and Head of Computer Science
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- Francia, Guillermo A., III (1994) Professor of Computer Science
 B.S., Mapua Institute of Technology
 M.S. and Ph.D., New Mexico Institute of Mining and Technology
- Franklin, Amy P (2001). Assistant Professor of Mathematics
 B.S., Troy State University
 M.A. and Ph.D., University of Alabama
- Gardner, Teresa (2005)Associate Professor of Special Education
 B.S., M.S.Ed., and Ed.S., Jacksonville State University
 Ph.D., University of Alabama
- Garrett, Aaron L. (2002)Assistant Professor of Computer Science
 B.S. and M.S., Jacksonville State University
 Ph.D., Auburn University
- Gates, Joanne E. (1987)Professor of English
 B.A., Vassar College
 M.F.A. and Ph.D., University of Massachusetts, Amherst
- Godbey, Jessie (1998).....Associate Professor of Technology
 B.S. and M.S., University of Michigan
 Ph.D., Auburn University
- Gooding, Carlton (2003).....Professor of Management
 B.S., University of North Carolina-Chapel Hill
 M.B.A. and Ph.D., University of Georgia

- Goodwin, Debra (1982).....Associate Professor and Dept Head
 B.S., Jacksonville State University of Family and Consumer Science
 M.A., University of Alabama at Birmingham
 Ph.D., University of Alabama
- Gordon, Douglas Lane (2008).....Associate Professor of Music
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 Ph.D., Florida State University
- Gray, Larry A. (2004)..... Associate Professor of English
 B.A., Rhodes College
 M.A. and Ph.D., University of Virginia
- Gregg, Kelly D. (1992) Professor of Geography
 B.S., M.S., and M.A., Kansas State University
 Ph.D., University of Kansas
- Griffin, William James (2002) Associate Professor of
 B.S., University of South Alabama Recreation Administration
 M.A., University of Arkansas
 Ph.D., University of New Mexico
- Gross, Jennifer (2001)Associate Professor of History
 B.A., University of North Carolina Chapel Hill
 M.A., University of Richmond
 Ph.D., University of Georgia
- Gryko, Jan (1997).....Professor of Chemistry
 M.S., Warsaw University
 Ph.D., Institute of Physical Chemistry in Warsaw
- Gulledge, Elizabeth (2006).....Assistant Professor of Nursing
 B.S.N., Jacksonville State University
 M.S.N., Jacksonville State University
 Ph.D., University of Alabama at Birmingham
- Ha, Edric (2010).....Assistant Professor of Secondary Education
 B.S., Brigham Young University of Hawaii
 M.Ed. and Ph.D., University of Hawaii at Manoa
- Hamissou, Mijitaba (2001)Associate Professor of Biology
 B.S., M.S., and Ph.D., Oklahoma State University
- Hammett, John B. (1989) Professor of Health, PE,
 B.S.Ed. and M.S.Ed., Jacksonville State University and Recreation and
 Ph.D., University of Southern Mississippi Dean, College of Education
 and Professional Studies
- Harding, Henry (2003) Associate Professor of English
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COURSE PREFIXES

ACC.....	Accounting
AN.....	Anthropology
ART.....	Art
BA.....	Business Administration
BY.....	Biology
CJ.....	Criminal Justice
CS.....	Computer Science
CY.....	Chemistry
DR.....	Drama
EC.....	Economics
ECE.....	Early Childhood Education
ECCG.....	Counselor Education
ED.....	Education
EED.....	Elementary Education
EFD.....	Education Foundations
EH.....	English
EIM.....	Instructional Media
EM.....	Emergency Management
EPY.....	Educational Psychology
ESC.....	Environmental Science Management
ESE.....	Secondary Education
FCS.....	Family and Consumer Sciences
FIN.....	Finance
GIS.....	Geographical Information Systems
GY.....	Geography
HPE.....	Health and Physical Education
HY.....	History
IL.....	Instructional Leadership
LM.....	Library Media
MBY.....	Marine Biology
MFG.....	Manufacturing Systems Technology
MGT.....	Management
MKT.....	Marketing
MS.....	Mathematics
MU.....	Music
NU.....	Nursing
PHS.....	Physics
PSC.....	Political Science
PSY.....	Psychology
RDG.....	Reading
SPE.....	Collaborative Teacher/Special Education

INDEX

Abbreviations (Course Prefixes)	314
Academic Administration	292
Academic and Student Services	48-55
Academic Center for Excellence	48
Academic Regulations and Procedures	39-40
Accelerated Senior Privilege	31-32
Accounting Concentration (MBA)	83
Accounting Courses (Prefix: ACC)	84
Add/Drop a Course	64
Administration (University)	292
Administrative Management	279
Admission to Graduate Studies	16
Application Procedures for all Programs	18-32
Alternative Fifth-Year Teacher Certification Programs	157-188
American with Disabilities Act (ADA)	33
Anthropology	66
Anthropology Courses (Prefix: AN)	66
Appeals for Readmission Process	41
Application for Comprehensive Exam/Degree	47
Application for Graduate Certificate (non-education)	47
Attendance at Class	45
Auditing Courses	45
Biology, Ed.S., M.S.Ed	118,146,169-170
Biology (MS)	67-69
Biology Courses (Prefix: BY)	69-74
Board of Trustees	9
Bookstore	48
Bulletin Requirements and Time Limits	44
Business Administration (MBA)	79-83
Business Administration Courses (Prefix: BA)	84-85
Calendar (University)	13-15
Candidacy for Degree	46
Career Placement Services	48
Change of Course(s), Drop/Add	64
Change of Major or Concentration	17
Checks	64
Chemistry	88
Chemistry Courses (Prefix: CY)	88
Class A Teacher Certification Requirement	131-132
Class AA Teacher Certification Requirements	109
Class Attendance	45
Community Agency Counseling Programs	110, 135
Counselor Education Courses (Prefix: ECG)	189-191
Comprehensive Examination	46-47
Computer Services	49
Computer Systems and Software Design (MS)	89-93
Computer Systems and Software Design Courses (Prefix: CS)	93-96
Conditional Admission	17
Counseling and Career Services	49
Counselor Education Programs of Study ..	110, 111, 135-136

Course Prefixes.....	314
Criminal Justice (MS).....	97-98
Criminal Justice (MPA Concentration).....	280
Criminal Justice Courses (Prefix: CJ).....	99-100
Cynthia H. Harper Child Study Center.....	48
Degree Programs Offered.....	4-8
Degree Requirements.....	41-42
Dining Facilities.....	49
Disability Support Services.....	49-50
Disciplinary Policy.....	36
Description of Education Courses.....	189-207
Distance Education.....	50-51
Drama.....	101
Drama Courses (Prefix: DR).....	101
Drop/Add a Course.....	64
Duplication of Courses.....	42
Early Childhood Education.....	114,137,164-165
Early Childhood Education Courses (Prefix: ECE) ..	191-192
Early Childhood Special Education Program.....	138
Economics Courses (Prefix: EC).....	85
Education Programs of Study.....	104-105
Education.....	102-207
Education (MPA Concentration).....	281
Education Courses (Prefix: ED).....	192-193
Education Foundation Courses (Prefix: EFD).....	195-196
Educational Psychology Courses (Prefix: EPY).....	193
Elementary Education.....	115,139,166-167
Elementary Education Courses (Prefix: EED).....	193-194
Emeriti.....	293-295
Emergency Management (MS).....	210-212
Emergency Management (MPA Concentration).....	282
Emergency Management (DSc).....	208-209
Emergency Management Courses (Prefix: EM).....	214-217
Emergency Management Graduate Certificate.....	213
Employment of Students (Financial Aid).....	59
English (MA).....	218-219
English Courses (Prefix: EH).....	220-221
English Language Arts (Ed.S., M.S.Ed.).....	119,148,173-174
Enrollment Requirements (Financial Aid).....	57-58
Environmental Science Management (MPA Concentration).....	283
Environmental Science Management Courses (Prefix: ESC).....	223-224
Environmental Science Management Graduate Certificate.....	222-223
Family and Consumer Sciences, M.S.Ed.....	149,175-176
Family and Consumer Sciences Courses (Prefix: FCS)...	194
Faculty (Graduate).....	297-312
Federal Work-Study.....	59
Fees and Deposits.....	62
Finance Courses (Prefix: FIN).....	85-86
Financial Aid.....	55-59
Financial Fees and Policies.....	61-64
Foundations Courses, Education (Prefix: EFD).....	195-196

Full Time/Half-Time Student Classification	44
Gadsden, JSU in.....	53
General Business Concentration (MBA)	83
General Science, Ed.S., MS.Ed.	120, 150, 181-182
Geographical Information Systems (MPA Concentration)	284
Geographical Information Systems Graduate Certificate	225-226
Geographical Information Systems Courses (Prefix: GIS).....	226
Geography	227-228
Geography Courses (Prefix: GY)	227-228
Grading System.....	39-40
Graduate Assistantship Program	59
Graduate Council.....	296
Graduate Courses and Degree Requirements.....	41-42
Graduate Faculty.....	297-312
Graduate Programs.....	4-6
Graduate Studies Staff.....	297
Graduation (“Application for Comprehensive Exam/Degree”)	47
Health and Physical Education Courses (Prefix: HPE)	196-199
History, Ed.S., M.S.Ed.	121,151,179-181
History (MA)	229-230
History Courses (Prefix: HY).....	231-234
History of JSU	10
Housing and Residence Life.....	51
ID Cards	52
Incomplete Grade.....	39
Index	315-319
Institutional and Financial Assistance Information for Students.....	60
Instructional Leadership, Ed.S., M.S.Ed.	125, 140
Instructional Leadership Courses (Prefix: IL).....	199-200
Instructional Media Courses (Prefix: EIM).....	200-201
Instructional Services Unit (College of Education)	52
Insurance	52
Internal Revenue Service Tax Laws (Financial Aid)	60
International Programs and Services	53
International Student Admission Policy.....	24-27
International Students, Financial Fees and Policies	64
JSU at Gadsden.....	53
Liberal Studies (MA)	235-236
Library	53-54
Library Media (EdS, MSE).....	116, 141
Library Media Courses (Prefix: LM)	189-190
Loans.....	53-54
Location of JSU	12
Mail Center	54
Management Courses (Prefix: MGT)	86

Manufacturing Systems Technology (MS)	237-239
Manufacturing Systems Technology Courses (Prefix: MFG)	239-240
Marine Biology	75
Marine Biology Courses (Prefix: MBY)	75-78
Marine Environmental Sciences Consortium	75
Marketing Courses (Prefix: MKT)	86-87
Mathematics, Ed.S., M.S.Ed.	122,152,181-182
Mathematics (MS)	241-242
Mathematics Courses (Prefix: MS)	243-245
Maximum Student Load	45
MBA Accounting and General Concentrations Programs of Study	83
Mid-Term/Final Grades	40
Mission Statement and Goals of JSU	11
Motor Vehicles.....	54
Music	185-188,246-255
Music Courses (Prefix: MU)	256-258
Nondiscrimination (Title VI, Civil Rights Act of 1964)	32
Nondiscrimination (Financial Aid)	60
Nursing (MSN).....	259-262
Nursing Course (Prefix: NU).....	264-265
Nursing Education Graduate Certificate.....	263-264
Online Graduate Courses and Certificates.....	7-8
Online Courses	50
Out-of-State Fees	61
Payment of Fees	62
Payment Plan for Fees	63
Physical Education Programs	117,142-144,168
Physical Education Courses (Prefix: HPE)	196-199
Physics	266
Physics Courses (Prefix: PHS).....	266
Political Science (MPA Concentration)	285
Political Science Courses (Prefix: PSC)	267-269
Privacy Rights of Students.....	33-36
Professional Development Admissions.....	30
Psychology (MS)	270-272
Psychology Courses (Prefix: PSY)	273-274
Public Administration (MPA)	275-278
Public Safety	54-55
Reading Specialist	145
Reading Specialist Courses (Prefix: RDG).....	202-203
Refunds or Charge Adjustments	63
Registration for Course Work	44
Residence Hall and Apartment Policies	64-65
Residence Halls	64-65
Residency	46
Satisfactory Academic Progress for Financial Aid	58
Scholarships	57
Scholastic Average (GPA).....	40
School Counseling Programs	111,136
School Counseling Courses (Prefix: ECG).....	189-191

Second Concentration.....	43
Second Master's Degree.....	43
Secondary Education Courses (Prefix: ESE).....	193-194
Senior Privilege Application	31-32
Sexual Harassment Policy.....	38
Social Science, Ed.S., M.S.Ed.	123,153,183-184
Social Security Number.....	36
Special Education Programs	
Collaborative Teacher K-6	112,133,162
Collaborative Teacher 6-12	113,134,163
Special Education Courses (Prefix: SPE).....	189
Sport Management	154-156
Sport Management Graduate Certificate.....	286-287
Student Health Center.....	51
Student ID Cards.....	52
Student Outcomes Assessment.....	47
Student's Responsibilities.....	47
Table of Contents	3
Thesis Options and Procedures	45-46
Time Limit on Degree Completion.....	43-44
Transfer of Graduate Credit	42-43
Transient Student Admission.....	32
Tuition	61
Unconditional Admission.....	17
University Administration	292
University Calendar.....	13-15
University Drug Free Workplace Policy.....	36-37
University Goals and Core Values	11
University Housing and Residence Life.....	51
Veterans Benefits.....	57
Vision Statement.....	11
Visual Communication and Design.....	280-290
Visual Communication and Design Courses (ART)..	290-291
Vocational Rehabilitation.....	57
Withdrawal.....	63
Withholding of Credits, Financial Fees and Policies	65

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