

JACKSON STATE UNIVERSITY



2010 – 2011 UNDERGRADUATE CATALOG

Jackson State University
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Second-class postage paid at Jackson, Mississippi 39217. The official mailing address for the University is as follows: 1400 J. R. Lynch Street, Jackson, Mississippi 39217; Telephone number is (601) 979-2121. JSU's Internet homepage address is www.jsums.edu.

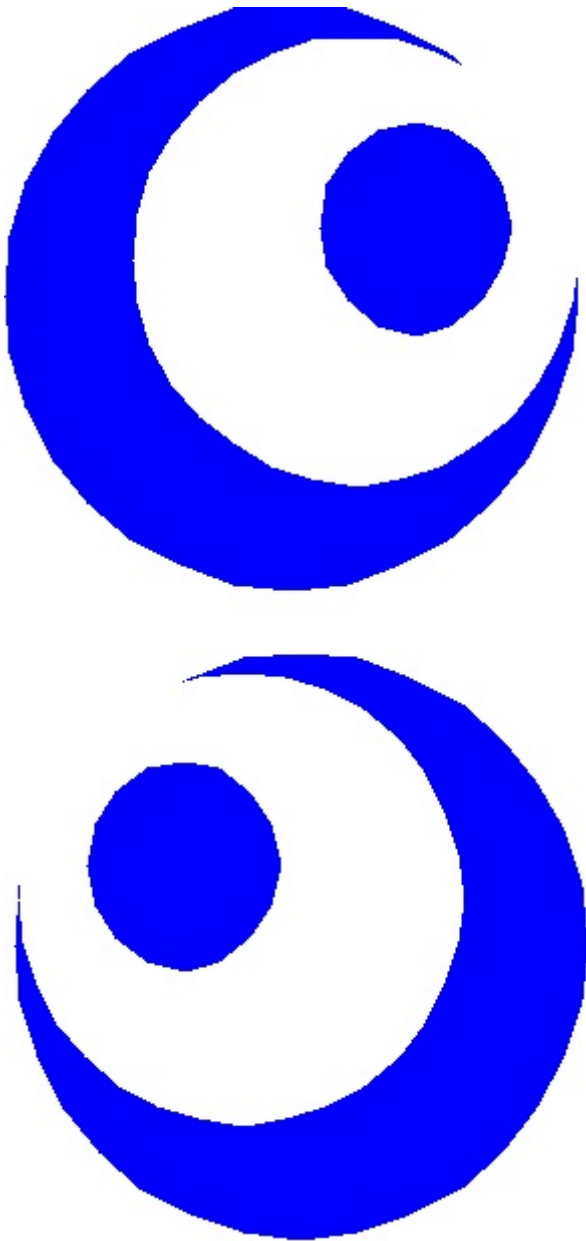
TABLE OF CONTENTS

Description	Page #
<i>Campus Map</i>	4
<i>General Information</i>	5
Directory.....	5
University Calendar.....	7
Background Information.....	9
<i>University Services</i>	17
General University Services.....	17
Division of Library and Information Resources.....	21
Supporting Organizations.....	22
Institutional Advancement and University Communications.....	22
<i>Student Services</i>	25
Division of Student Life.....	25
Student Organizations/Student Government Association.....	28
Provisions for Superior Students.....	31
Special Programs.....	32
<i>Admissions, Tuition, and Financial Aid</i>	36
Admissions.....	36
Tuition and Fees.....	44
Financial Aid.....	46
Scholarships, Honors and Special Awards.....	51
<i>Academic Regulations</i>	58
<i>Academic Programs</i>	70
Division of Undergraduate Studies	70
Honors College.....	76
University College.....	79
College of Business	82
Department of Accounting.....	85
Department of Economics, Finance and General Business.....	86
Department of Entrepreneurship and Professional Development.....	89
Department of Management and Marketing.....	91
Career Services.....	93
College of Education and Human Development	94
Office of Professional and Field-Based Experiences.....	96
Department of School, Community and Rehabilitation Counseling.....	100
Department of Elementary and Early Childhood Education.....	100
Department of Educational Leadership.....	105
Department of Health, Physical Education and Recreation.....	108
Department of Special Education.....	112

College of Liberal Arts.	118
Department of Art.	119
Department of Criminal Justice and Sociology.	121
Department of English and Modern Foreign Languages.	123
Area of Modern Foreign Languages.	127
Department of History and Philosophy.	129
Department of Mass Communications.	131
Department of Military Science.	137
Department of Music.	138
Department of Political Science.	144
Department of Psychology.	146
Department of Speech Communication and Theatre.	147
Interdisciplinary Alcohol and Drug Studies Center.	149
Margaret Walker Alexander National Research Center.	149
College of Lifelong Learning.	150
College of Public Service.	157
Department of Communicative Disorders.	158
Department of Health Policy and Management.	158
Urban Studies Program.	161
Technology Transfer Center.	162
School of Social Work–Bachelor of Social Work Program.	163
College of Science, Engineering and Technology.	168
Department of Civil Engineering and Environmental Engineering.	169
Department of Computer and Communications Engineering.	173
Department of Computer Science.	176
Department of Aerospace Studies.	179
Department of Biology.	180
Department of Chemistry.	187
Department of Mathematics.	194
Department of Physics, Atmospheric Sciences and Geoscience.	197
Department of Technology.	202
<i>Description of Courses.</i>	208-315
Index of Course Prefixes.	208
Course Descriptions by Discipline.	209
<i>Board of Trustees, Administrators, Faculty and Staff.</i>	315-343
Board of Trustees.	317
Administrative Officers.	318
Academic Faculty.	319
Staff.	329
<i>Catalog Committee.</i>	346
<i>Index.</i>	347
<i>Application for Undergraduate Admission.</i>	351

GENERAL INFORMATION

DIRECTORY
UNIVERSITY CALENDAR
BACKGROUND INFORMATION



DIRECTORY

WHERE TO GO FOR INFORMATION AND ASSISTANCE

Academic Information—Academic Advisor; Provost, Jacobs Administration Tower, Seventh Floor - 601-979-2244

Accountability and Coordination—Office of Accountability and Coordination, Administration Tower, Eighth Floor - 601-979-1446

Admissions—(Undergraduate) Office of Undergraduate Admissions, B.F. Roberts Hall, Second Floor, 601-979-2100; (Graduate) Office of the Division of Graduate Studies, Administration Tower, First Floor - 601-979-2455

ADA—Office of Support Services for Students and Employees with Disabilities, Jacob L. Reddix Hall Building, First Floor, 601-979-3704

Alumni Affairs—Faculty Apartments, Suite 8 - 601-979-2281

Aerospace Studies—Faculty Apartments, Suite 11 - 601-979-1620

Assignment of Advisor—Departmental Office of Major

Athletic Tickets—Athletics Office, Lee E. Williams Athletics and Assembly Center - 601-979-2420

Automobile Registration—Department of Public Safety, Public Safety Building - 601-979-2580

Books and Supplies—Bookstore, JSU Student Center, First Floor - 601-979-2021

University Catalog—Office of Undergraduate Admissions, B.F. Roberts Hall, Second Floor - 601-979-2100

Career Services Center—Placement Office, Jacob L. Reddix Building, First Floor - 601-979-2477

Check Cashing—Local Banks; ATM Facilities, JSU Student Center, First Floor

Conferences and Workshops—Obtain a “Use of Facilities” Form from Events Coordinator, Office of Accountability and Coordination, Administration Tower, Eighth Floor - 601-979-1446 (See Online Events Form)

Continuing Education (Lifelong Learning)—Universities Center, Ridgewood Road - 601-432-6234

Curriculum Center—College of Education & Human Development Building, Third Floor, Room 314

Distance Education—Office of Academic Affairs, Seventh Floor, Administration Tower - 601-979-2244

Drop and Add—Office of the Registrar and Records, B.F. Roberts Hall, Second Floor - 601-979-2300; University College, Charles F. Moore Building, First Floor - 601-979-2127

Emergencies—Fire, Police, Infirmary—Department of Public Safety, Police Building - 601-979-2580

Financial Aid—Office of Financial Aid, B.F. Roberts Hall, First Floor - 601-979-2227

Food Service—Campus Dining, JSU Student Center, First Floor - 601-979-2561

6 \ JACKSON STATE UNIVERSITY

Foreign Students—Office of International Programs, Faculty Apartments - 601-979-3794

Graduate Programs—Office of the Division of Graduate Studies, Administration Tower, First Floor - 601-979-2455

Graduation Requirements—Advisor in particular major field

Honors College—Charles F. Moore Building, First Floor - 601-979-2107

Housing—Office of Student Housing, , Campbell College Suites North - 601-979-2326

Identification—ID Center Building - 601-979-2407

Illness—Health Center - 601-979-2260

Information Services Library—Universities Center, Suite 8 - 601-432-6313

Information Technology Office—Mississippi e-Center, First Floor - 601-979-2144

Institutional Advancement, Office of—Administration Tower, Third Floor - 601-979-2282

Institutional Research and Planning—Office of Institutional Research and Planning, Mississippi e-Center, First Floor - 601-979-2615

International Programs—Office of the Division of International Programs, Faculty Apartments - 601-979-3791

Intramural Sports—Intramural Office, T.B. Ellis Physical Education Complex - 601-979-2373

Job Placement—Placement Office, Reddix Building, First Floor, 601-979-2477

LaTasha Norman Counseling Center—JSU Student Center, Second Floor - 601-979-0374

Library (Main)—H. T. Sampson Library - 601-979-2123

Lyceum Features—Department of Music, Frederick D. Hall Music Center - 601-979-2141

Lost and Found—Department of Public Safety, Police Building - 601-979-2580

Meeting Rooms—Obtain a “Use of Facilities” Form for the Events Coordinator, Administration Tower, Eighth Floor - 601-979-5887

Name and Address Change—Office of the Registrar and Records, B.F. Roberts Hall, Second Floor - 601-979-2300

Organizations (Student)—Office of Student Activities, JSU Student Center, Second Floor, Room #2124 - 601-979-3705

Parking Violations—Department of Public Safety - 601-979-2580

Payment of Fees—Office of Financial Services, B. F. Roberts Hall, Second Floor - 601-979-2215

Postal Service—Jacob L. Reddix Building, First Floor - 601-979-2031

Recruitment—Office of Undergraduate Recruitment, Undergraduate Recruitment Building - 601-979-2911

Registration—Office of the Registrar and Records, B.F. Roberts Hall, Second Floor - 601-979-2300

ROTC—Faculty Apartments, Suite #1 - 601-979-2175

Schedule Changes—Office of the Registrar and Records, B.F. Roberts Hall, Second Floor - 601-979-2300

Scholarships—Office of Enrollment Management, B.F. Roberts Hall, Second Floor - 601-979-8637; Institutional Advancement, Third Floor, Administration Tower - 601-979-2283

Selective Service Information—Office of Undergraduate Admissions, B.F. Roberts Hall, Second Floor - 601-979-2100

Social Events—Obtain a “Use of Facilities” Form from the Events Coordinator, Administration Tower, Eighth Floor - 601-979-5887

Student Government Association (SGA)—JSU Student Center, Second Floor - 601-979-2090

Student Regulations—Associate Vice President for Student Life, JSU Student Center, Third Floor - 601-979-2241

Student Teaching—College of Education and Human Development Building, First Floor, Room 103 - 601-979-2354

Student Newspaper (Blue & White Flash)—Student Publications, Blackburn Language Arts Building, Second Floor - 601-979-2167

Summer School Information—Office of the Division of Graduate Studies, Administration Tower, First Floor - 601-979-2455; and Office of Undergraduate Admissions, B.F. Roberts Hall, Second Floor - 601-979-2100

Tours of Campus—Office of Undergraduate Recruitment, Undergraduate Recruitment Building - 601-979-2911

Tutorial Services—Academic Skills Center, Charles F. Moore Building, First Floor - 601-979-2127

Undergraduate Studies, The Division of—Charles F. Moore Building, First Floor - 601-979-2127

Universities Center—Education and Research Center, Ridgewood Road - 601-432-6234

University College—Charles F. Moore Building, First Floor - 601-979-2127

University Publications—Office of Publications, Publications Building - 601-979-2613

Veterans Affairs—Office of the Registrar and Records, B.F. Roberts Hall, Second Floor - 601-979-2300

UNIVERSITY CALENDAR

FALL SEMESTER 2010

August

12-13	Thur-Friday	Faculty/Staff Seminar, 8:30 a.m.-5:00 p.m.
14	Saturday	Residence Halls Open for Freshman and Transfer Students, 9:00 a.m.
15	Sunday	Orientation for Parents and Students, 2:00 p.m.
16	Monday	Orientation for Freshman and Transfer Students, 9:00 a.m.
17	Tuesday	Registration for Freshman and Transfer Students, 8:30 a.m. - 4:00 p.m.
17	Tuesday	Residence Halls Open for Returning Students, 9:00 a.m.
18-20	Wed-Friday	Registration for Readmitted and Returning Students, 8:30 a.m. - 4:00 p.m.
18-19	Wed-Thursday	Evening and Graduate Registration, 6:00 p.m. - 8:00 p.m.
23	Monday	Classes Begin
23	Monday	A Late Registration Fee of \$70.00 Begins
31	Thursday	A Late Registration Fee of \$105.00 Begins

September

6	Monday	HOLIDAY - Labor Day
7	Tuesday	Classes Resume, 7:00 a.m.
8	Wednesday	Last Day to Complete Registration and Pay Fees
8	Wednesday	A Late Registration of \$145.00 Begins
8	Wednesday	Last Day to Add a Course
17	Friday	Last Day a Course May be Dropped with No Grade
17	Friday Evening	Class Schedules Will Be Purged for Non-payment of Fees

October

11-14	Monday-Thursday	Academic Advisement Week @ JSU
11-16	Mon-Saturday	Mid Semester Examinations
18	Monday	Mid Semester Grades Due
21	Thursday	Founders' Day Convocation
22	Friday	Founders' Day Banquet, 7:00 p.m.
26	Tuesday	Last Day to Drop a Class with "W" Grade
26	Tuesday	Sophomore Testing Day (Undergraduate English Proficiency Examination)

November

8-December 2

Early Registration and Payment of Fees for Spring Semester and the Summer Sessions

22-27 Mon-Saturday

29 Monday
29 Monday

Fall Break/Thanksgiving Recess

Classes Resume, 7:00 a.m.

Last Day to Withdraw from the University

December

4 Saturday

Classes End

6-11 Mon-Saturday

11 Saturday

Final Examinations

Fall Semester Ends, 12:00 noon

11 Saturday

Conferring of Degrees-Fall 2010

11 Saturday

Holiday Recess Begins

13 Monday

Grade Reports Due in the Office of the Registrar and Records

FALL INTERCESSION 2010

December 13 - January 5, 2011

SPRING SEMESTER 2011

January

6-7 Thurs-Friday

Faculty and Staff Spring Seminar

9 Sunday

Residence Halls Open, 9:00 a.m.

10 Monday

Orientation for Freshman and Transfer Students, 9:00 a.m.

10 Monday

Academic Advisements for Freshmen and Transfer Students

11-12 Tues-Wednesday

Registration, 8:30 a.m.-4:00 p.m.

11-12 Tues-Wednesday

Evening and Graduate Registration, 6:00 p.m.-8:00 p.m.

13 Thursday

Classes Begin, 7:00 a.m.

13 Thursday

A Late Fee of \$70.00 Begins

17 Monday

HOLIDAY - Martin L. King, Jr.'s Birthday

18 Tuesday

Classes Resume 7:00 a.m.

20 Thursday

A Late Fee of \$105.00 Begins

February

1 Tuesday

Last Day to Complete Registration and Pay Fees

1 Tuesday

A Late Fee of \$145.00 Begins

1 Tuesday

Last Day to Add a Course

11 Friday

Last Day a Course May be Dropped With No Grade

11 Friday

Last Day to Receive A Percentage Refund

11 Friday Evening

Class Schedules Will Be Purged for Non-payment of Fees

21-24 Monday-Thursday

Academic Advisement Week @ JSU

8 \ JACKSON STATE UNIVERSITY

March

7-12	Mon.-Saturday	Mid Semester Examinations
14	Monday	Mid Semester Grades Due
14	Monday	Preliminary Graduation List Due - Office of the Registrar and Records
14-19	Mon-Saturday	SPRING BREAK
21	Monday	Classes Resume, 7:00 a.m.
22	Tuesday	Sophomore Testing Day (Post CBASE) (Undergraduate English Proficiency Examination)
25	Friday	Last Day a Course May be Dropped with "W"Grade

April

7	Thursday	Final Graduation List Due - Office of the Registrar and Records
13-May 4		Early Registration for the Fall Semester
18-21	Monday-Thursday	Honors Week @ JSU
21	Thursday	Honors Convocation
22-25	Fri-Monday	HOLIDAY BREAK
26	Tuesday	Classes Resume, 7:00 a.m.
26	Tuesday	Last Day to Withdraw from the University
30	Saturday	Classes End
30-May 6	Sat-Friday	Final Examinations

May

6	Friday	Alumni Day
7	Saturday	Commencement
9	Monday	Grade Reports Due in the Office of the Registrar and Records

SPRING INTERCESSION 2011

May 9 - 27

FIRST SUMMER TERM 2011

May

30	Monday	Residence Halls Open, 9:00 a.m.
31	Tuesday	Orientation for Freshman and Transfer Students, 8:00 a.m.
31	Tuesday	Registration, 9:00 a.m. - 4:00 p.m.
31	Tuesday	Evening Registration, 6:00 p.m.-8:00 p.m.

June

1	Wednesday	Classes Begin
1	Wednesday	Residence Halls Open for Summer Developmental Students, 9:00 a.m.
2	Thursday	Classes Begin for the Summer Developmental Students

1	Wednesday	A Late Registration Fee of \$70.00 Begins
6	Monday	Last Day to Complete Registration and Pay Fees
6	Monday	Last Day to Add a Course
10	Friday	Last Day to Drop a Course with No Grade
10	Friday	Last Day to Receive A Percentage Refund
10	Friday Evening	Class Schedules will be Purged for Non-payment of Fees
14	Tuesday	Sophomore Testing Day (Undergraduate English Proficiency Examination)
20	Monday	Last Day to Drop a Class with a "W" Grade
23	Thursday	Preliminary Graduation List Due - Office of the Registrar and Records
23	Thursday	Last Day to Withdraw from the University
27	Monday	Classes End
28-29	Tues-Wednesday	Final Examinations
30	Thursday	Grade Reports Due in the Office of the Registrar and Records

SECOND SUMMER TERM 2011

June

29	Wednesday	Residence Halls Open, 9:00 a.m.
29	Wednesday	Orientation for Freshman and Transfer Students, 8:00 a.m.
30	Thursday	Registration, 9:00 a.m. - 4:00 p.m.
30	Thursday	Evening Registration, 6:00 p.m. - 8:00 p.m.

July

4	Monday	HOLIDAY - Fourth of July Observance
5	Tuesday	Classes Begin
5	Tuesday	A Late Registration Fee of \$70.00 Begins
7	Thursday	Last Day to Complete Registration and Pay Fees
7	Thursday	Last Day to Add a Course
14	Thursday	Last Day to Drop a Class With No Grade
14	Thursday	Last Day to Receive A Percentage Refund
14	Thursday Evening	Class Schedule will be Purged for Non-payment of Fees
14	Thursday	Orientation and Academic Advisement for Transfer Students for Fall 2011
19	Tuesday	Sophomore Testing Day (Undergraduate English Proficiency Examination)

20-21	Wed.-Thursday	First Year Orientation, Assessment and Advisement for Fall 2011
21	Thursday	Final Graduation List Due - Office of the Registrar and Records
28	Thursday	Last Day to Drop a Class with a "W" Grade
28	Thursday	Last Day to Withdraw from University

August

2	Tuesday	Classes End
3-4	Wed-Thursday	Final Examinations
6	Saturday	Commencement
8	Monday	Grade Reports Due in the Office of the Registrar and Records

BACKGROUND INFORMATION

ACCREDITATIONS**MEMBERSHIPS****THE UNIVERSITY****UNIVERSITY MISSION STATEMENT****HISTORY OF THE UNIVERSITY****ORGANIZATION OF THE INSTRUCTIONAL PROGRAM****SUMMER SESSIONS****PHYSICAL FACILITIES OF THE UNIVERSITY**

ACCREDITATIONS

Jackson State University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097; Telephone number 404-679-4501) to award the bachelor's, master's, education specialist, Doctor of Education, Doctor of Philosophy, and Doctor of Public Health degrees.

The Commission on Colleges of the Southern Association of Colleges and Schools is to be contacted only if there is evidence that appears to support an institution's non-compliance with accreditation requirements or standards.

The Accrediting Council on Education in Journalism and Mass Communications
 American Chemical Society
 American Psychological Association
 Association to Advance Collegiate Schools of Business
 Accreditation Board for Engineering and Technology
 Council on Rehabilitation Education
 Council on Social Work Education
 Council on Education for Public Health
 Council for Accreditation of Counseling and Related Educational Programs
 Council on Accreditation in Audiology and Language-Speech Pathology
 National Association of Industrial Technology
 National Association of Schools of Art and Design
 National Association of Schools of Music
 National Association of Schools of Public Affairs and Administration
 National Council for the Accreditation of Teacher Education
 The Planning Board

10 \ JACKSON STATE UNIVERSITY

MEMBERSHIPS

American Association of Colleges for Teacher Education
American Association of Collegiate Registrars and Admissions Officers
American Business Communication Association
American Council on Education
American Society for Engineering Education
American Association of Collegiate Schools of Business
American Schools of Construction
Association of American Colleges
Association of Departments of English
Association of Departments of Foreign Language
Association of State Colleges and Universities
Conference on Deans of Black Graduate Schools
Conference on Southern Graduate Deans
Cooperative Education Association
Council of Colleges of Arts and Sciences
Institute of International Education
Midwest Association of Graduate Schools
Mississippi Academy of Sciences
Mississippi Association of Colleges
Mississippi Association of Colleges for Teacher Education
Mississippi Association of Collegiate Registrars and Admissions Officers
Mississippi Council of Colleges of Arts and Sciences
Mississippi Counseling Association
National Association of College Deans, Registrars and Admissions Officers
National Association of Veterans Programs Administrators
National Center for Public Service Internship Program
National Collegiate Honors Council
National Commission on Accrediting
National Council for Small Business Management Development
National Student Exchange
Southern Association of Collegiate Registrars and Admissions Officers
Southern Business Administration Association

THE UNIVERSITY

Jackson State University, a coeducational institution, is supported by the State of Mississippi. It is controlled by the Board of Trustees of Institutions of Higher Learning, appointed by the governor. The University is supported by legislative appropriations supplemented by student fees and federal and private grants.

Jackson State University is located in Jackson, Mississippi, the capital and largest city of the state. Jackson is the geographic, political, industrial, and cultural center of the state. The metropolitan area consists of a growing population presently estimated at 568,000. The location of the University in the densely populated section of central Mississippi is such that nearly

one-half of the students come from within a fifty-mile radius of the institution; however, the population includes students from every county in the state. A significant number of students also come from outside the state and from foreign countries.

The campus is a scenic 175-acre tract situated one mile west of the main business district of the city and is easily accessible from U.S. Highways 80, 49, and 51, and Interstates 20, 220, and 55. A modern airport with direct connections to major cities—north, south, east, and west—is about fifteen minutes away.

VISION STATEMENT

Building on its historic mission of empowering diverse students to become leaders, Jackson State University will become recognized as a challenging, yet nurturing, state-of-the-art technologically-infused intellectual community. Students and faculty will engage in creative research, participate in interdisciplinary and multi-instructional/organizational collaborative learning teams and serve the global community.

MISSION STATEMENT

The University produces technologically-advanced, diverse, ethical, global leaders who think critically, address societal problems, and compete effectively.

PRINCIPLES FOR COLLEGIATE CODE OF CONDUCT

Jackson State University, in the 2002-2003 academic year, adopted a Collegiate Code of Conduct which is designed to enhance students' success inside the classroom as well as in their campus life. It is intended also to assist with building characteristics which will serve as guideposts for lifelong success, understanding and appreciating differences among diverse groups of people, and ultimately leading to a more harmonious learning environment which fosters respect for others and one's self.

The tenets for this covenant are:

1. **Integrity**—Respect and embrace the principles of academic honesty.
2. **Philosophy**—Embrace an academic philosophy for positive progress toward competency in goals, critical and logical thinking, and a commitment to excellence.
3. **Class Attendance**—Participate actively in classroom and other learning environments and commit to becoming a lifelong learner.
4. **Diversity**—Celebrate the similarities and differences in our cultures, races, and ethnic origins.

5. **Communication**—Encourage open communication and expression which is guided by respect for others.
6. **Behavior**—Understand that sexual or social harassment will not be tolerated. Always dress for success.
7. **Profanity**—Discourage the use of profanity and offensive actions out of respect for others.
8. **Accountability**—Accept personal responsibility for one's actions and life choices and realize that embracing negative elements of an unhealthy lifestyle will interfere with success.
9. **Service**—Engage in civic opportunities to share knowledge and skills with local, national, and world communities.
10. **Respect**—Embrace and respect tradition by participating in rituals and observances, especially those that contribute to the history and heritage of the University. Respect others by using cell phones and other electronic devices only in appropriate settings.
11. **Assessment**—Conduct periodic assessments of academic, personal, and career progress. Stay focused on your purpose for being at the University.
12. **Safety**—Be alert to threats to safety and security and inform appropriate authorities of such situations.
13. **Freedom**—Respect the freedom of others to express themselves in matters relating to academic and philosophical opinions.

HISTORY OF THE UNIVERSITY

The distinguished history of Jackson State University began on October 23, 1877. The University started as Natchez Seminary, a private school, under the auspices of the American Baptist Home Mission Society of New York for the purpose of educating Mississippi's newly freed slaves. Beginning with only 20 students, the school operated for 63 years as a private church school. In November of 1882, the Society moved the school to Jackson to the site where Millsaps College now stands. A part of this transition was the renaming of the school to Jackson College in recognition of the institution's new, central location in the City of Jackson. Natchez Seminary soon relocated from its site in north Jackson to a tract of land in the southwest section of the city. Construction on the new site began in 1902 and the University remains on this site today.

In 1924, the first bachelor degree was awarded. During this period, the major educational activities were directed toward teacher education for in-service teachers. When the American Baptist Home Mission Society withdrew its support from the institution in 1934, it became apparent that state support was needed to sustain the school. The school was transferred from the private control of the church to the state education system and renamed Jackson State College.

Initially, the school had been specifically designated by the state to train rural and elementary teachers. In 1942, the Board of Trustees expanded the curriculum to a full four-year teacher education program culminating in the Bachelor of Science Degree in Education. The first four-year graduating class under state support received degrees in May 1944. A Division of Graduate Studies was organized during the summer of 1953 and the program of Liberal Arts started in the fall of that year.

During the late sixties, the entire curriculum was reorganized and the following schools were established: The Schools of Liberal Studies, Education, Science and Technology, Business and Economics and the Graduate School. Through a legislative act, Jackson State College was designated Jackson State University on March 15, 1974. Jackson State College gained university status in accordance with the expanded breadth and quality of its faculty and academic programs. From 1967-1977, the faculty had tripled in size and the number of faculty members with graduate degrees increased eightfold. In 1979, the University was officially designated the state's Urban University by the Board of Trustees, State Institutions of Higher Learning.

In the late 1980s, the University and its surrounding community were enriched through the expansion of the Universities Center; the establishment of the West Jackson Community Development Corporation to improve blighted housing around the campus; the organization of a Staff Senate; and the creation of a Center for Professional Development and the Center for Technology Transfer.

In the 1990s, a Campus Master Plan that projected the growth of the University into the 21st Century was developed. Fifteen new graduate and undergraduate programs evolved. These academic achievements were bolstered by the establishment of the School of Social Work, the formation of the School of Engineering, the fall 1998 opening of the School of Allied Health Sciences, the School of Business received by the Association to Advance Collegiate Schools of Business (AACSB), a \$13.5 million expansion of the H. T. Sampson Library which doubled the capacity of the original structure; and the occupancy of the \$17.2 million School of Liberal Arts building in 2001.

In Fall 2000, the University received doctoral research intensive status with the Carnegie Foundation for the Advancement of Teaching. This prestigious designation was based on the awarding of more than 20 doctoral degrees from the Division of Graduate Studies and the \$40 million in federally funded research contracts secured through the Office of Research and Sponsored Programs.

As the University entered the New Millennium and celebrated its 125th Anniversary in 2002, it developed and implemented its strategic plan—Beyond Survival: The Millennium Agenda for Jackson State University. The five-point strategic plan moved Jackson State University to a new level of academic excellence.

12 \ JACKSON STATE UNIVERSITY

Thus, Vision 2020 was created to fulfill the first strategy—Remodel the Learning System at JSU. In 2002, the University was reorganized into six colleges: College of Business; College of Education and Human Development; College of Liberal Arts; College of Public Service; College of Science, Engineering and Technology; and the College of Lifelong Learning.

The University has always played a major role in the Jackson community. In keeping with that tradition, the University made substantial contributions to the region, not only in producing effective, competent graduates, but also in furthering the overall economic prosperity of the region. A five-square mile urban laboratory designated e-City has been developed whereby University resources, intellectual and otherwise, are used in a technology based economic, housing, and community development initiative. To further the University's contribution to the City of Jackson, a joint venture with Jackson Public Schools was formed to establish the Mississippi Learning Institute, a pre-K through 16 reading based and math oriented professional development system. Also, a private/public JSU high-tech partnership, the *Mississippi e-Center*, facilitates access to experientially enhanced, high-tech learning opportunities.

In 2004, a \$20 million College of Business was completed. In 2006, a 91,000 square foot student health and wellness center opened. For the first time in the University's history, private bond financing was secured to renovate facilities and to build new facilities such as the new Campbell College Suites which opened in 2007. A new Campus Union, and a new president's house are scheduled to open in 2008. The campus transformation and wide array of academic programs will enhance Jackson State's presence.

For the more than 8,000 undergraduate and graduate students enrolled at Jackson State, JSU provides traditional and non-traditional students of diverse backgrounds the academic opportunities to develop knowledge and skills that will empower them to succeed in an increasingly complex and technologically advanced world. JSU has expanded online course offerings, and students are also afforded the opportunity to excel in areas beyond academic disciplines including art, culture, music, and numerous intercollegiate sports and championship competitions. Jackson State's long-term cooperative projects, corporate partnerships, its increasing presence among top universities for the amount of research dollars awarded to the University, and community initiatives strengthen the University's commitment to its students, faculty, staff, and alumni as well as to the West Jackson Community, the city, the state, the nation and several international countries.

ORGANIZATION OF THE INSTRUCTIONAL PROGRAMS

The academic programs of the University are organized into the College of Business; College of Education and Human Development; College of Liberal Arts; College of Lifelong Learning; College of Public Service; College of Science, Engineering and Technology; the Division of Undergraduate Studies; the Division of Graduate Studies; and the Division of International Studies. Details for each undergraduate academic program are presented in the appropriate section of this catalog. The Jackson State University Graduate Catalog lists information on the graduate academic programs and the Division of Graduate Studies.

SUMMER SESSIONS

In breadth of offerings, the work of the Summer Sessions is substantially the same as that of the academic year. The summer programs provide opportunities for students who are interested in advancing their general culture, meeting teaching requirements, accelerating their college work, or pursuing the master's, specialist, or doctoral degree.

To complement its regular work, the University offers a variety of workshops, institutes, and special programs. In general, the teaching staff of the regular year stays in residence for the summer. Visiting professors are brought in when there is a need to supplement the staff or when there is a need for specialized courses.

In April of each year, a bulletin giving full information on the Summer Sessions is issued. Requests for this bulletin should be addressed to the Registrar or the Director of Undergraduate Admissions.

PHYSICAL FACILITIES OF THE UNIVERSITY

Jacob L. Reddix Hall, constructed in 1967, is named in honor of the late Dr. Jacob L. Reddix, the fifth president. The exterior architecture represents a distinct departure from conventional institutional design. The building is comprised of four levels. Facilities on the lower level include the job placement services, the campus post office, bowling alley, Support Services for Students and Employees with Disabilities (A.D.A.), and The Community Service/Service Learning Center. The second floor houses the General Purpose Room. Located on the third floor are meeting rooms, Auxiliary Services offices, and the Jacksonian Lounge. The fourth floor has twenty guest rooms.

H. P. Jacobs Administration Tower, constructed in 1972, is a high-rise structure composed of nine floors. The office of the University President is located on the ninth floor. The offices of Accountability and Legal Counsel are located on the eighth floor.

The office of the Vice President for Academic Affairs and Student Life is located on the seventh floor. The Office of the Vice President of Finance and Operations is located on the fifth floor. The sixth floor houses the Office of the Vice President for Government Affairs. The Office of Institutional Advancement is located on third floor. The Office of Public Relations is located on the second floor. The Office of the Division of Graduate Studies, and the Graduate Dean are located on the first floor.

The **Henry T. Sampson Library**, constructed in 1959, is a modern six story, multipurpose facility that supports the educational program of the University in an aesthetically pleasing environment. The facility combines convenience and utility in a central campus location, providing ease of access for both students and faculty. Facilities of the library include a computer lab, the Cyber Café, seminar/conference rooms, browsing and exhibit areas, an auditorium with a seating capacity for 150 persons, and student and faculty lounges. The library also has several faculty research rooms, a research room for the visually impaired, open and closed stack areas, administrative offices, and work areas. In 1972 a major expansion of the library was undertaken that expanded the square footage space from 28,029 to 63,571 feet and the volume capacity from 75,000 to more than 450,000 volumes. Recent expansion and renovations in 1996 have nearly doubled the size of the library and made it a very modern facility. The Office of Testing and Assessment is located on the ground level.

The **Jackson State University Student Center**, constructed in 2008, houses all student services. The JSU Bookstore and The Legacy Dining facilities are located on the first floor. The offices for student services (i.e., PanHellenic Council, Student Government Association Offices, The Latasha Norman Center, the Meditation Room, Student Activities, etc.) are located on the second floor. The administrative offices for Student Life are located on the third floor, along with a large ballroom facility, student theater, the President's Private Dining area, several meeting rooms, and the Faculty/Staff Senate Chamber.

Academic Buildings

The **Charles F. Moore Building**, constructed in 1972 as the Classroom Complex, was named for the late Charles F. Moore in 1988. Today, the building contains administrative offices, conference rooms, classrooms, lecture rooms, and computer laboratories for the Division of Undergraduate Studies. The building also houses the Honors College, University College, the School of Social Work (B.S.W. program), Urban and Regional Planning (Undergraduate), and Auxiliary Services.

The **College of Business Building** was constructed in 2002 and houses administrative offices, graduate offices, the Career Management and Placement Center, conference rooms, classrooms, lecture rooms, and computer laboratories, and smart

classrooms for the College of Business. This building houses administrative and faculty offices for the departments of accounting, economics, entrepreneurship, finance, general business, and marketing and management.

Johnson Hall, constructed in 1944, was the first facility built under the control of the State of Mississippi. Johnson Hall is currently under reconstruction but slated to be opened in January 2011.

The John A. Peoples, Jr., Science Building, constructed in 1977, is a five-story structure which serves as the hub of scientific research at the University. The building houses the Departments of Biology, and Chemistry offices; classrooms, lecture rooms and laboratories. The advanced research laboratories for laser research, electron microscopy, x-ray diffraction and nuclear magnetic resonance (NMR) are also housed in the building.

Additionally, the building houses the offices of special programs such as the Preprofessional Health Careers Program, the Center for Spatial Data Applications, the Minority Biomedical Research Support (MBRS) program, the Minority Institutions Marine Sciences Association (MIMSA), the Minority Access to Research Careers (MARC) program, and the Research Careers for Minority Scholars (RCMS) program.

Just Hall of Science was completed and occupied in the fall of 1954. A second phase was completed in 1964. This facility, named in honor of the nationally known scientist, Ernest E. Just, contains classrooms, laboratories, machine rooms, scientific equipment rooms, a scientific supply room, an observatory with a fourteen-inch Newtonian telescope and rotating dome, and a dark room. Offices for the Departments of Mathematics, General Science, and Physics and Atmospheric Sciences and two lecture halls with a total seating capacity of 396 are also included.

The **Lee E. Williams Athletics and Assembly Center** was completed in August 1981. The building houses the Athletics Department, athletic training rooms, and classrooms for health related classes.

Athletic activities held in the Athletics and Assembly Center include basketball and volleyball.

The **Blackburn Language Arts Building**, constructed in 1961, provides offices and laboratory facilities for the Office of Student Publications, the University Radio Station WJSU, the McNair Scholars Program, and the Upward Bound Program.

The **Dollye M. E. Robinson Liberal Arts Building**, constructed in 2000, houses the Office of the Dean, and Assistant Dean of the College of Liberal Arts, and provides classrooms, offices, and laboratory facilities for the Departments of Art, Criminal Justice and Sociology, English and Modern Foreign Languages, History and Philosophy, Political Science, and Psychology.

14 \ JACKSON STATE UNIVERSITY

The **Joseph H. Jackson College of Education and Human Development Building**, constructed in 1972, contains the Office of the Dean of the College of Education and Human Development, Curriculum Laboratory, Counseling Laboratory, Statistics Laboratory, Professional Test Preparation Clinic and Reading Center, Early Childhood Center, Educational Media Laboratory, Center for Excellence in Education, forty-five classrooms, faculty offices, and a seminar room. The Department of Counseling and Human Resource education; the Department of Curriculum and Instruction; the Department of Educational Foundations and Leadership; the Department of Special Education and Rehabilitative Services; and the Office of Professional and Field Services are located in the Joseph H. Jackson College of Education Building.

Ayer Hall was constructed in 1904 and was one of the original buildings when the University first moved to the John R. Lynch Street location. This building houses the Margaret Walker Alexander National Research Center.

Among the largest of Jackson State University's structures is the **T. B. Ellis Physical Education Complex** which houses the Department of Health, Physical Education and Recreation. An Olympic-size swimming pool and a modern gymnasium are maintained. The gymnasium has two basketball courts and floor space for indoor tennis, table tennis, badminton, and volleyball. In addition, there are dance studios and faculty offices. In the outside area, there are tennis courts, a soccer field, a baseball diamond, a new tartan track, an athletic field and an archery range.

The Frederick Douglas Hall Music Center, constructed in 1976, contains offices and classrooms for the Department of Music. A small recital hall is located in this facility, as well as practice rooms, studios, and an art gallery.

The **J. Y. Woodard Building** was constructed in 1948. The second phase was constructed in 1967. Located in this facility are classrooms and laboratories designed for metal technology, electronics, drafting, construction, fire technology and plastic technology. The facility provides offices and classrooms for the Department of Technology.

Rose Embly McCoy Auditorium was originally dedicated as College Park Auditorium on March 9, 1952, served as a Civic Center for Jackson's Negro community. The 201,200 square footage building housed a branch of the municipal library, basketball court, dance floor, dressing rooms, administrative offices and a 2,500 capacity auditorium. Ownership was transferred to Jackson State University in 1978, at which time the building was renamed University Park Auditorium. Renovated in 1993, the building now houses the Department of Speech Communication and Theatre. It contains faculty offices, an administrative suite, a conference room, a Speech and Hearing Center, eight therapy rooms, an audiological booth, three classrooms, a scene shop, a green room, a costume room, two

dressing rooms (men and women), a 1,500-seat auditorium, an orchestra pit and a concession booth. It is used for University and approved community activities. A minimal fee may be charged to organizations not directly affiliated with the University.

The building was renamed the Rose Embly McCoy Auditorium during the 127th Founders Day Convocation, October 2004.

Jackson Medical Mall is home to the Dean of the College of Public Service, the School of Public Health and is located at Woodrow Wilson and Bailey Avenues.

The **Universities Center** is home to the College of Lifelong Learning, and provides classrooms, offices, and laboratory facilities for the Department of Public Policy and Administration, the School of Social Work graduate programs, and the Department of Communicative Disorders. The Department of Urban and Regional Planning is also located at this facility.

School of Engineering is Mississippi's first state-funded construction development designated as a "Leadership in Energy and Environmental Design" (LEED) certified project. The building is a 90,000-square-foot facility made of recycled materials which decreased the cost of construction. In addition to being green, the School of Engineering building has wireless communications, tiered classrooms, sensors that turn the lights on and off, a spacious auditorium, and high-bay laboratories with reinforced concrete floors that will allow students to perform sophisticated experiments.

The building is also situated on its lot to maximize the use of natural light in classrooms and labs and features interior materials constructed with recycled content and low-maintenance finishes. One of the other building highlights is a storm water management system that captures rainwater in underground wells and recycles it for landscaping uses.

The building houses the Office of the Dean of the College of Science, Engineering and Technology, the Department of Civil and Environmental Engineering, and the Department of Computer Engineering. There are six classrooms, two of which are tiered and three conference rooms all with state-of-the-art electronic equipment including white boards, computer projection systems, telephonics, document cameras, and videoconferencing systems.

Auxiliary Buildings

Jackson State University has several auxiliary buildings on its campus.

The **University Guest House** is located at the west end of the campus on College Park Drive.

The **Benjamin F. Roberts Hall**, constructed in 1953, houses the Offices of Enrollment Management, Admissions, Financial Aid, Financial Services, and the Registrar and Records.

The **Zachary Hubert Center**, constructed in 1944, is named in honor of the third president of the University. This facility houses offices for the Department of Human Resources.

The **Health Center** serves as a dispensary and provides temporary facilities for bed patients.

The **New Dining Hall**, located on the north side of campus, was completed in January 1977. It is the temporary location for the Art Department's studio.

Johnson Hall Annex was built in 1945. Since that time, the building has undergone several renovations. It currently houses the Barksdale Reading Institute.

The **Mississippi e-Center @ JSU** is a cutting edge, electronics-based facility that demonstrates the University's commitment to internet technologies. The facility is a state-of-the-art complex with the computing and network infrastructure, and the Information Management staff to support a wide range of activities. These activities include electronic-based teaching and learning (e-Education), electronic-based research (e-Research), and electronic based community outreach (e-Research), and electronic based community outreach and service (e-Service). The e-Center can accommodate business meetings of all types, with support for multi-media presentations, conference calls, video conferencing and satellite uplink/downlink. Small to medium sized conferences can also be hosted at the facility. Two main auditoriums, 150 and 400 seat capacities, are available with any many as eight break-out rooms.

The Graduate Engineering Program, the Executive Ph.D. in Urban Higher Education, and the Department of Mass Communications, along with JSU's television station, LPTV-W23BC, are also housed in this facility.

The **Undergraduate Recruitment Office** was constructed in 1926. In 1990, this facility was renovated to house the University's Office of Publications, but renovated a second time in 2007 to house the Offices of Undergraduate Recruitment.

The **Publication Office** is located in **Jones-Sampson Hall**, a two-story brick facility, was named in honor of two outstanding individuals: Dr. H. H. Jones, an alumnus of the University and pioneer missionary to Africa; and Calvin T. Sampson, an industrialist from Massachusetts and an active member of the Baptist Church, under whose auspices the University was founded. This facility houses the Office of Publications, Title IV, and Communications and Computing.

The **Facilities Management Building**, occupied by the University

since February 1994, is located at 833 Walter Payton Drive. It houses the Facilities Management staff.

The **Walter Payton Health and Wellness Center**, named for JSU's famous running back Walter "Sweetness" Payton, is a newly constructed building which opened in January 2006. The facility has 3 aerobics studios, 12,000 square feet for strength and conditioning, 3 racquetball courts, 3 courts that can be used for basketball, volleyball, as well as a walking trail, to name just a few of the possibilities the building has to shape a healthy mind, body, and spirit.

The **University Laundry Facility** was constructed in 2000 and is located directly behind Jacob L. Reddix Hall. It houses the student laundry facilities and the I.D. Center.

Student Residential Communities

Alexander Residence Center is named in honor of Florence Octavia Alexander, an alumna of the University and a renowned educator. Alexander Center consists of two five-story residence halls. There are 404 rooms, a main lobby, and two laundry facilities in the residential center. Alexander East Hall houses freshmen males while Alexander West Hall houses freshmen females. The fifth floor of Alexander East Hall is designated as the honor floor for the male freshmen residents. The freshmen honor females are housed on the fifth floor of McAllister Whiteside Hall.

Campbell College Suites is named in honor of Campbell College which was one of the first colleges for African Americans in the State of Mississippi. Campbell College Suites houses approximately 420 male and female upperclassmen. Campbell College Suites North is designated as the male facility and Campbell College Suites South is designated as the female facility. Each residence hall is suite style with study rooms on each floor, a laundry facility, Multi-Purpose Room and a community kitchen.

Dixon Hall was constructed in 1969. This seven-story facility houses approximately 302 upperclass males. Dixon Hall was fully renovated in 2004 and now consists of suites with study rooms on each floor, a laundry facility, and a community kitchen located on the 1st floor. In 1983, the building was named in honor of an outstanding alumnus, John W. Dixon.

McAllister-Whiteside Residence Center for female students was first occupied in August 1982. The 244-room facility houses approximately 488 sophomore, junior, and honor freshman female students as well as selected athletes. The five-story building has lobby, four study rooms, and a laundry facility on each floor. In October 1989, the building was officially named the Jane Ellen McAllister and Mary G. Whiteside Women's Residence Center in honor of two devoted faculty members.

16 \ JACKSON STATE UNIVERSITY

Stewart Hall is a five-story facility that was constructed in 1961. It is a community style residence hall with a lobby and a laundry facility. Stewart Hall houses approximately 180 continuing freshmen and sophomore male students. It was named in honor of a noted alumnus, Edgar T. Stewart.

Transitional Hall is a four-story facility that currently houses junior, senior, and graduate female students. This four-story facility houses approximately 432 female students in suites. There are study rooms and a television lounge available on the upper floors. A laundry facility is available.

CAMPBELL COLLEGE SUITES



ALEXANDER RESIDENCE HALL



UNIVERSITY SERVICES

GENERAL UNIVERSITY SERVICES
SUPPORTING ORGANIZATIONS
UNIVERSITY DEVELOPMENT AND PUBLIC
RELATIONS

GENERAL UNIVERSITY SERVICES

INFORMATION TECHNOLOGY
BOOKSTORE
POST OFFICE
RECORDING STUDIO
TELEPHONE SERVICE/TELECOMMUNICATIONS
OFFICE OF INSTITUTIONAL RESEARCH AND
PLANNING
OFFICE OF FINANCIAL SERVICES
TOURS
PUBLIC SAFETY
FOOD SERVICES
I.D. CENTER
OFFICE OF SUPPORT SERVICES FOR STUDENTS AND
EMPLOYEES WITH DISABILITIES (ADA)

INFORMATION TECHNOLOGY

The Information Technology Group, within the Office of Information Management, is headquartered at the JSU e-Center. Its mission is to support and enhance the academic and administrative activities of Jackson State University.

Academic information technology (IT) resources include electronic and distance learning classrooms, modern and well-equipped student computer labs, and high-performance computers for research. Many courses are web-enabled, providing online access to class information, materials, assignments, etc.

Administrative and business processes are supported by a state-of-the-art computer cluster/SAN environment, which ensures business continuity and facilitates fast disaster recovery. The University uses the Sungard Banner product as its ERP system. It includes modules for managing student, finance, employee, and alumni/development records and transactions.

To tie it all together, JSU currently operates a state-of-the-art metropolitan area network (MAN) that connects every building in which the University does business. The University's network consists of a fiber-optic based, gigabit Ethernet main campus backbone, with direct fiber links to three satellite campuses: the Universities Center complex, Jackson Medical Mall, and the JSU e-Center. Within all buildings, including residence halls, all functional areas (offices, classrooms, labs, dormitory rooms, etc.) are connected to the network using structured wiring and/or wireless technologies. Internet access is provided by a 100 mbps connection to the commodity Internet and a 10 gbps connection to the nation-wide high speed academic networks: Internet2 and National Lambda Rail (NLR).

18 \ JACKSON STATE UNIVERSITY

BOOKSTORE

The Bookstore, located on the first floor of the Jackson State University Student Center, is operated as an educational facility coordinated with the academic program. The Bookstore is the campus center for the ordering and selling of textbooks and supplementary reading materials. The Bookstore also carries school supplies and a limited quantity of office supplies. It sells University jewelry (including class rings and pins), pennants, stickers and other insignia items. Commencement caps and gowns are ordered through the Bookstore.

POST OFFICE

The Jackson State University Post Office, a contract station of the United States Postal Service located on the first floor of Jacob L. Reddix Hall, provides all of the mail services which can be obtained at larger post offices. Basic services include selling of stamps, stamped envelopes and postal money orders, sending and receiving of registered, certified, insured and express mail, and rental of postal boxes. Stamp vending is provided for after hours convenience.

Campus and interdepartmental mail may be routed through the Campus Post Office without postage. Pick-up and delivery services are provided for administrative offices. The zip code for the University is 39217.

RECORDING STUDIO

The Recording Studio/Production Training Center, located on the second floor of Blackburn Language Arts Building WJSU-FM, is a forty-track studio with a console adaptable to sixty-four inputs and a training lab featuring six production cubicles. The studio is equipped fully with analog tape and disk based digital recording and serves as a production facility for WJSU as well as a laboratory in audio engineering for interested students. The training center is equipped with radio production/editing gear and serves as a training area for Broadcast majors and students from the Department of Mass Communications.

TELEPHONE SERVICE

Telephone service is provided through the University's Alcatel OmniPCX 4400 private communications exchange switch. JSU's telephone system is state-of-the-art Internet telephony, fully implementing voice over Internet Protocol (VOIP). Calling features available on JSU telephone lines include:

1. **Call Waiting**
2. **3-way Calling**
3. **Speed Dialing**

4. **Caller ID**
5. **Voice Mail**

Students, faculty, and staff have several options for long distance telephone service:

1. Direct dial long distance service
2. University-issued calling cards
3. Pre-paid calling cards—This is a safe option that allows predictable budgeting and protection against fraudulent use of your account.
4. Person credit cards
5. Operator-assisted calls

OFFICE OF INSTITUTIONAL RESEARCH AND PLANNING

The Office of Institutional Research and Planning is located at the Mississippi e-Center. This office provides data and information on the internal operations of the University and coordinates the planning, management and evaluation of the institution's long-range planning activities. The chief purpose of the Office is to facilitate the collecting, analyzing, and reporting of data to support administrative decision making. The Office of Institutional Research and Planning also serves as a resource for data and information relevant to all phases and functions of the University.

OFFICE OF FINANCIAL SERVICES

The Office of Financial Services (Business Office) is located on the second level of the B. F. Roberts Building. The primary function of the Business Office is to provide financial services to students, faculty, staff, and other members of the JSU family. The staff strives to provide courteous, accurate, and timely service to the public in all financial areas. The Business Office is organized to include the areas of Student Accounts, Cashiering, Payroll, Requisitioning, Accounts Payable, Student Loans, Grants/Contracts, and Accounting Services.

TOURS

Visitors are always welcome at Jackson State University. Campus tours are routinely scheduled at 10:00 a.m. and 2:00 p.m. daily with prior notice Monday thru Friday. Tours are approximately two hours in length. Individuals and groups interested in touring the campus should contact the Office of Undergraduate Recruitment approximately three weeks prior to their proposed tour. All tour requests must be submitted in writing before a tour can be confirmed. Complete information on campus tours may be obtained from the Office of Undergraduate Recruitment.

PUBLIC SAFETY (CAMPUS POLICE)

The Chief of Public Safety is directly responsible to the Office of the President. The Chief assumes command of assignment of all police staff members; directs the work of police personnel; observes the efficiency of the police officers, and instructs them in the performance of patrolmen duties; takes personal command of the patrolman organization in times of emergencies; supervises investigations; and coordinates the work of the Police Force members on their assignments.

The Public Safety Department was organized under legislative authority granted by Senate Bill No. 1408 and approved April 12, 1954. Officers of the force are vested with the powers and authority to take such action as is necessary to enforce University rules and regulations, including the arrest of violators.

The Public Safety Department is responsible for the general welfare, protection, and security of the students and faculty of the University. In this respect, it is particularly concerned with the following responsibilities: (1) the enforcement of campus regulations governing the parking of automobiles and traffic violations; (2) the maintenance of sound security measures of properties belonging to the University; and (3) the enforcement of rules governing standards of conduct.

FOOD SERVICES

The primary purpose of the Department of Food Services, an auxiliary agency of the University, is to enhance campus life through services, superior food quality and efficient dining service management.

There are five basic Board Membership Plans offered:

1. 20 Meal Membership offers 3 meals per day Sunday through Saturday.
2. 15 Meal Membership provides 3 meals per day Monday through Friday.
3. 15 Flex Membership includes 15 meals Sunday through Saturday. This plan provides \$250.00 Flex Dollars that can be used at any Food Service Location.
4. *10 Meal Membership provides a choice of 10 meals to be eaten only Monday through Friday.
5. *5 Meal Membership offers 5 meals to be eaten Monday through Friday.
6. *The 10 and 5 Meal Membership can be used or eaten in any combination of meals Monday through Friday.

The board program offers meals served at convenient hours based on class schedules and student availability. The program offers a full breakfast, a light breakfast, lunch, light lunch and dinner. The main dining area is located on the first floor of the JSU Student Center.

Parents, friends, students, faculty and University guests may purchase meals at a flat rate in student dining or choose to eat in The Legacy Dining at a cost per item. Subway Restaurant is located on the first floor of the JSU Student Center, and offer meals as well as other items at an economical rate. These locations remain open after the Main Dining Hall closes for those persons desiring an evening meal or snack.

STUDENT HOUSING/RESIDENCE HALLS

The Director of Residence Life/Housing is responsible for the general supervision of on-campus residence halls. Information regarding off-campus housing is provided in a guide to metropolitan area apartment complexes. The guide is available upon request.

On-campus housing is provided in single-sex residence halls. All rooms are double occupancy. Students with special health needs are expected to report their specific housing requirements to the Director of Residence Life/Housing in a timely manner via the housing application.

Each student living in University housing must have a completed housing application and a signed Residence Hall Agreement on file in the Department of Residence Life/Housing. Application for student housing may be obtained from the Office of Undergraduate Admissions or the Department of Residence Life/Housing, Post Office Box 17540, Jackson State University, Jackson, Mississippi 39217. Requests for application may also be made by calling (601) 979-2326 or (601) 979-3305. Completed applications must be accompanied by the required application fee and returned to the Department of Housing before a student is assigned housing. The application fee must be paid to the Housing Department. Filing an application for housing and paying the fee does not guarantee admission to the University or assignment to a residence hall. The Housing Department reserves the right to refuse any housing application, to change or cancel assignment to a hall or room, or to terminate a resident's occupancy for justifiable cause. Students may be housed one or two per room depending on the availability of space.

A one-time, non-refundable application processing fee of \$75.00 and student admission to the University are required before the new student is given a room assignment. Continuing students are required to request housing each academic year. Procedures and deadlines for requesting housing are communicated to continuing students.

Applications for summer housing must be filed before *April 15th*. For fall semester housing, applications should be filed before *June 30th*. If the application is filed and the new student decides not to enroll at JSU or live on campus, the student is expected to provide a written request for cancellation of the application. The application processing fee is non-refundable.

20 \ JACKSON STATE UNIVERSITY

Room assignments will be made on a first-come, first-served basis until all available rooms are assigned. A waiting list for housing is maintained by the Residence Life/Housing Director, when the demand for housing exceeds the available space.

Damage. Students are liable for any damages that they cause to University property and will be required to pay for replacement or restoration cost. Residents who vandalize or damage housing facilities can expect disciplinary action. If the staff is unable to identify the individuals responsible for damages, all residents in that area may be billed for common area damages.

I.D. CENTER

It is the policy of Jackson State University that all students, faculty, and staff must obtain and carry an official JSU identification card (I.D.). The identification card provides students, faculty, and staff access to dining facilities, athletic events, residence halls, and the library. Cardholders who participate in the declining balance program for students and inclining payroll deductible program for faculty and staff may make purchases in Student Dining, the Convenience Store, the Deli, Subway, Cash Dining, Bookstore, Health Center, Laundry rooms, Publications, and Vending machines. The identification card is the property of Jackson State University; it is intended for current JSU students, faculty, staff and guests only and must be returned upon request. This card is non-transferable. No fee will be charged for the original issuance of an I.D. Card. However, replacement of a lost, stolen or damaged card is the cardholder's responsibility. The cardholder is also responsible for safeguarding his/her I.D. card. The I.D. Center is located in the Laundry Facilities Building directly behind Jacob L. Reddix Hall. Office hours are from 8:00 a.m. to 5:00 p.m. weekdays.

SUPPORT SERVICES FOR STUDENTS AND EMPLOYEES WITH DISABILITIES (ADA)

The Office of Support Services for Students and Employees with Disabilities is committed to coordinating reasonable services and accommodations to JSU students and staff as well as other external constituents with disabilities. Special emphasis is given to accessibility and inclusion when meeting the needs of all of our students, employees and visitors. Any student, employee, or campus visitor who has been diagnosed with a disability is eligible for accommodations at JSU. The student, employee, or visitor must make the University aware of his/her disability by presenting documentation applicably showing the disability and need for academic adjustment, auxiliary aids, accommodations, and services.

For additional information, please contact the Office of Support Services for Students and Employees with Disabilities at (601)

979-3704. The Office is located on the first floor of Jacob L. Reddix Hall.



DIVISION OF LIBRARY AND INFORMATION RESOURCES

HENRY T. SAMPSON LIBRARY

HENRY T. SAMPSON LIBRARY

The Division of Library and Information Resources enhances the research and teaching endeavors of the university community through the acquisition and dissemination of information. It is comprised of the Henry T. Sampson Library, and four branch libraries. Occupying a central location on the JSU campus, the Henry T. Sampson Library is a facility of over 150,000 square feet and houses in excess of one million resource items. Included among the collections in the Sampson Library are the following:

- African-American Collection - a major collection of resources by or about African-Americans and Africa.
- Special Collections - a non-circulating collection of documents with major concentrations of resources detailing the history of Jackson State and African Americans.
- Periodicals - the library currently subscribes to more than 1,500 print journals with an additional number in electronic format.
- Government Documents - the library is presently a selective depository for federal documents.
- Media Resources - a number of audiovisual resources are available to enhance classroom instruction.

Library Services - The Division is a client oriented agency, and offers some of the following services:

- Information Literacy (IL) Instruction - a major initiative that provides instruction in locating, evaluating, and using resources. IL is provided through formal classroom lectures, as well as through individualized instruction. Electronic and printed guides, handbooks, pathfinders and bibliographies made available to patrons, also contribute to the IL initiative.
- Reference Assistance - librarians are available at all times to help patrons locate, select and interpret the appropriate information and resources.
- Interlibrary Loan - resources not held by the library are made available through this service. Some nominal fees may be incurred.

Facilities - The library is furnished to meet the comfort and needs of library users and is fully handicapped accessible, with most of

the library collections housed in open access areas. Additionally, the library also provides these specialized facilities:

- Computer Lab - a newly constructed (Fall 2004), 100 workstation computer facility is located on the first floor.
- Auditorium - with seating for approximately 120, the auditorium is located on the second floor and is used for campus based activities.
- Group Study Rooms - rooms located on the second and third floors are provided for groups engaged in study.

Library Technology - Electronic library resources are available from campus as well as from remote locations and may be accessed from the library website at - <http://sampson.jsu.edu>. In addition to the online public access catalog (OPAC), other electronic resources include, indices, abstracts, full text articles and journals, and online books. These resources are made available through the *MAGNOLIA* consortia as well as through subscriptions to *LexisNexis*, *ProQuest*, *Silver Platter*, *OCLC FirstSearch* and *netLibrary*.

Branch Libraries - The branch libraries listed below support the academic program(s) indicated:

- Allied Health Sciences Library - located in the Jackson Medical Mall, this library supports the College of Public Service as well as some of the special programs located in the Medical Mall.
- Cleopatra D. Thompson Curriculum Center Library - housed in the College of Education and Human Development, main campus, this library provides general support in the education curriculum and the Early Childhood Center.
- Information Services Library - located at the Universities Center on Ridgewood Road, this library offers basic support for the master and doctorate programs in Public Policy Administration, Business Administration, Social Work and the master programs in Communicative Disorders and Urban and Regional Planning.
- Jake Ayers Research Library - housed at the e-Center, the Ayers Library supports the Executive Ph.D. program.

The general public is invited to use any of the Jackson State libraries. Borrowing privileges, however, are reserved for university students, staff, and faculty. Regulations concerning the use of the facility are on the library website as well as in library handbooks and guides.

SUPPORTING ORGANIZATIONS

**JACKSON STATE UNIVERSITY DEVELOPMENT
FOUNDATION, INC.**
**JACKSON STATE UNIVERSITY NATIONAL ALUMNI
ASSOCIATION, INC.**

JACKSON STATE UNIVERSITY DEVELOPMENT FOUNDATION, INC.

The Jackson State University Development Foundation, Incorporated, a non-profit organization, was established and incorporated under laws of the State of Mississippi in 1968. Its express purpose is to promote the development of Jackson State University. It is governed by a Board of Directors composed of eminent community leaders in business, industry and education. The Director of Development serves as the Executive Secretary of the Foundation.

Contributions, gifts, and bequests are solicited by the Foundation for the advancement of Jackson State University as an institution of excellence. The accrued interest of funds deposited in the Foundation is expended to provide scholarships for deserving students. Contributions to the Foundation, a tax-exempt organization, are deductible.

JACKSON STATE UNIVERSITY NATIONAL ALUMNI ASSOCIATION, INC.

The Jackson State University National Alumni Association, Incorporated, is the official body of graduates and former students of the University organized into local chapters and coordinated by a national board. The major purposes of the Association are to perpetuate the memories of University life and to provide a medium through which the interests of the University may be promoted. Active membership in the Association is open to all graduates and former students of the University upon payment of national dues.

The Association is responsible for the promotion of a spirit of fellowship and cooperation among graduates and former students for the welfare and benefit of the University. Some of its activities are special projects designed to enhance interest and support, such as presentation of the Alumnus of the Year Award and the Outstanding Educator Award; the publication of the Alumni Newsletter; and fund-raising programs.

The Office of Alumni Affairs cooperates with the Alumni Association in implementing the Association's policies and programs.

INSTITUTIONAL ADVANCEMENT AND UNIVERSITY COMMUNICATIONS

OFFICE OF ALUMNI AFFAIRS
OFFICE OF DEVELOPMENT
OFFICE OF PUBLIC RELATIONS
OFFICE OF PUBLICATIONS
OFFICE OF UNIVERSITY COMMUNICATIONS
OFFICE OF SPORTS INFORMATION
WJSU-FM
LPTV-W23BC

The primary functions of Institutional Advancement and University Communications Offices are to: (1) assist the administration in developing and maintaining good relationships with community organizations and individuals; (2) continue to upgrade the procedures for disseminating information on and off campus in an orderly pattern; (3) assist in the accurate targeting of all efforts so that financial and human resources of the University can be better utilized; (4) develop a precise definition of how Jackson State University is perceived by its various publics, how this image is transmitted and how it can be improved; (5) work with the administration, faculty, and external groups to develop programs that have both clearly defined, realistic objectives, and apparent potential benefit for the University in moving toward the fulfillment of its mission.

Institutional Advancement and University Communications Offices include the Offices of Alumni Affairs; Development; Public Information; Publications; Sports Information; Radio Station WJSU-FM; and Low Power Television Station W23BC.

OFFICE OF ALUMNI AFFAIRS

The Office of Alumni Affairs serves as the liaison between Jackson State University and its alumni. It seeks to (1) ascertain and compile up-to-date information on all former students and graduates; (2) communicate with all alumni through newsletters, brochures, and leaflets; (3) organize alumni chapters wherever Jacksonians are located; (4) sponsor programs that will encourage alumni to support and promote the mission of the University; (5) promote the activities of the Jackson State University National Alumni Association, Incorporated; (6) assist the President of the Alumni Association; and (7) promote the welfare of the University and its alumni.

The Office of Alumni Affairs administers the Association's programs such as membership, reunions, and other campus sponsored events involving alumni.

OFFICE OF DEVELOPMENT

The Office of Development is the fund-raising component of the University. The Office coordinates and promotes most outside fund-raising activities, and coordinates the activities of the JSU Development Foundation, Incorporated.

Through its research of and communication with private foundations and other organizations, Development works with faculty, staff, and administrators to identify potential funding agencies, and offers technical assistance in developing proposals for projects and innovative programs that may be funded by these agencies. It also solicits gifts and donations from alumni and friends of the University.

The Office of Development is responsible for keeping an accurate and updated listing of all contributions made to the University.

OFFICE OF UNIVERSITY COMMUNICATIONS

The mission of the Office of University Communications is to maintain effective internal and external communications via print and electronic media with emphasis on providing accurate and timely information to the public and to news media organizations.

This is done by communicating the University's mission, goals, accomplishments, activities and programs to a diverse audience: students, faculty, staff, parents, alumni, friends, the media, state legislators, the University community and the general public.

Objectives:

- To communicate timely, accurate information about JSU locally and nationally
- To promote special events on campus
- To promote the accomplishments of JSU faculty, staff and students
- To assist the campus community with media relations
- To assist the University's Capital Campaign

The following areas are under the auspices of the Office of University Communications:

- Office of Public Relations
- Sports Media Relations
- W23BC (TV23)
- WJSU-FM

OFFICE OF PUBLIC RELATIONS

The Office of Public Relations, under the direct supervision of the Director of University Communications, provides a systematic means of communicating the services, activities, events, and

personalities of Jackson State University to its many internal and external publics through the use of print and electronic media.

The Office of Public Relations serves as the official contact point for news media personnel seeking information about the University, its faculty, administration and students.

OFFICE OF PUBLICATIONS

The Office of Publications is no longer a functioning unit on the campus as of July 2010. Any offices needing printing services must seek off-campus publishing agencies. However, the University does use the equipment for copy purposes only. Printing items must be camera ready.

OFFICE OF SPORTS MEDIA RELATIONS

The Office of Sports Media Relations, under the direct supervision of the Director of University Communications, serves as the liaison office between the news media and the University regarding all athletic activities. The Office is responsible for promoting and publicizing all intercollegiate and intramural athletic events at Jackson State University. Additionally, the Office provides up-to-date statistics, schedules, brochures, photos and souvenir programs for local and national news media covering athletics.

The Office of Sports Media Relations is in constant contact with members of the various competitive athletic polls in an effort to enhance Jackson State's image in the national rankings. The Office also makes available biographical and statistical data on athletes at the University to talent scouts recruiting for the professional ranks.

WJSU-FM

Jackson State University operates the FM non-commercial radio station, WJSU on an assigned frequency of 88.5 MHZ. A unit within the Office of University Communications, WJSU's mission is to provide programming services specifically targeted, but not limited to the minority audience in the Jackson Metropolitan community. These programming services seek to challenge, provoke, educate, and entertain the audience. WJSU also serves to enhance Jackson State University through communications with its many constituencies. WJSU, through its facilities serves to develop means by which students may become adept in the radio broadcast profession. WJSU-FM is a daily 24-hour station and is a leading provider of jazz, news and information.

24 \ JACKSON STATE UNIVERSITY

WJSU-FM is certified by the Corporation for Public Broadcasting, and is a member of National Public Radio and the African American Public Radio Consortium.

Studios are located on the second floor of the Willie Dobbs Blackburn Language Arts Building. Office telephone number is 601-601-979-2140; WEBSITE is WJSU.ORG.

W23BC (TV-23) LPTV

W23BC TV-23, under the direction of the Director of University Communications, serves the metropolitan area of Jackson, Mississippi, within a ten-mile radius and through the Time Warner Cable system. The station provides excellent hands-on training for Mass Communications students in every facet of television broadcasting. Students may obtain production, directing, reporting, and videography skills on the latest broadcast technology. The station also provides excellent educational opportunities for public relations, advertising, and marketing majors.

Beyond educational value to JSU students, the community at large receives programming that is otherwise not aired by other local commercial and educational stations. Students and staff produce issue-oriented talk shows, news and weather updates, music video shows and other special projects.



STUDENT SERVICES

STUDENT LIFE SERVICES
STUDENT ORGANIZATIONS/STUDENT GOVERNMENT
ASSOCIATION
PROVISIONS FOR SUPERIOR STUDENTS
SPECIAL PROGRAMS

STUDENT SERVICES

DIVISION OF STUDENT LIFE
CAREER SERVICES
CAMPUS MINISTRY
JACKSON STATE UNIVERSITY STUDENT CENTER
CENTER FOR SOCIAL AND CLINICAL COUNSELING
CENTER FOR STUDENT LEADERSHIP AND
INVOLVEMENT
CENTER FOR SERVICE & COMMUNITY ENGAGED
LEARNING
DEAN OF STUDENT LIFE
HEALTH CENTER
JUDICIAL SERVICES
LATASHA NORMAN CENTER
RONALD E. MCNAIR POST-BACCALAUREATE
ACHIEVEMENT PROGRAM
STUDENT LIFE HIV/AIDS PROJECT
STUDENT ORGANIZATIONS/STUDENT GOVERNMENT
ASSOCIATION
STUDENT PUBLICATIONS

DIVISION OF STUDENT LIFE

The Division of Student Life supports the academic program of Jackson State University by providing efficient and effective services for the holistic development of students. Through its programs and services, students develop leadership skills, participate in University governance, engage in personal and professional development and community service activities, and are enriched by experiences acquired in ethnically and culturally diverse environments.

The Division is led by the Associate Vice President for Student Life and contains the following units: JSU Student Center, Center for Student Leadership & Involvement, Center for Social and Clinical Counseling, Service and Community Engaged Learning, Dean of Students Life, Health Services, Judicial Services, LaTasha Norman Center, McNair Program, Student Organizations, Student Publications, Student Life Counseling Services, Student Life HIV/AIDS Project, Campus Ministry, Absalom Jones Anglican Campus Ministry, Wesley Foundation.

CAMPUS MINISTRY

Campus Ministry sponsors programs and activities that address the various needs of the campus community. The Campus Ministry serves as the umbrella for university religious organization. The Campus Ministry is involved with confidential pastoral counseling, one weekly interdenominational gathering

26 \ JACKSON STATE UNIVERSITY

forums, and religious emphasis/Spiritual Impact Week. Events are open to all persons without regards to race or religious orientation.

ABSALOM JONES ANGLICAN CAMPUS MINISTRY

The Absalom Jones Anglican Campus Ministry is named for the First African American Priest in the Episcopal Church and reflects the fact that as the Episcopal Church we are part of the world wide Anglican Communion. The ministry offers a variety of programs and opportunities to deeper our walk with Christ so it might be shaped into instruments of history and hope in our world.

WESLEY FOUNDATION, INC.

The Wesley foundation is the ministry of the United Methodist Church for students, faculty, and staff. The foundation assists students, faculty and staff in achieving their goals within the perspective of the Christian faith.

JACKSON STATE UNIVERSITY STUDENT CENTER

The JSU Student Center is a central location for student recreational, cultural, social, and co-educational activities. The Student Center houses a fast food grill and convenience store, Subway Restaurant, the University Bookstore, barber shop, a beauty salon, ATMs, games area (video, pool tables), and meeting rooms. A limited number of hotel rooms are available in Reddix Hall, fourth floor, which provide parents and other University guests with on-campus accommodations at moderately priced rates.

Office locations for the Student Government Association, the Student Organizations Office, National Youth Sports Program, and the Center Director, along with Student Life Administrative Offices, are also located on the third floor of the JSU Student Center.

CENTER FOR SERVICE AND COMMUNITY ENGAGED LEARNING

The Service and Community Engaged Learning Center, a member of Campus Compact, was established to serve as a clearinghouse of volunteer and service-learning opportunities for Jackson State University students, faculty and staff. A major goal of the Center is to coordinate and document the local and community service contributions of University students and personnel. With this goal in mind, the Center hopes to not only impact the lives of those in the surrounding communities, but to also advance the growth of University students both personally and professionally. The following programs are offered in the Center:

Alternative Break. Teams of students volunteer to travel and to provide a specific service within a community during Spring Break, and during the Fall, a designated weekend or holiday. Travel may be local, national or international.

Community Service (Volunteerism). Students, faculty and staff are recruited to perform a specific service to an individual or group within the community for no remuneration.

Educational Exchange Programs. Jackson State recruits one or more students to attend another university with whom it has an exchange agreement. The exchange typically last for one semester. The University of San Francisco–JSU Exchange Agreement is an example of this program.

The **Federal Work-study Program** provides jobs for undergraduate and graduate students with financial need, allowing them to earn money to help pay educational expenses. The FWS Program encourages community service work and work related to your course of study. After being awarded Work-Study and a contract to work, the student is placed in a department (on campus) or a community site (off campus). Eligible students may choose Community Service Work-Study (off campus) that allows eligible students the option of combining the “financial need to work” with the personal goal of helping the local community.

Departmental Work-Study (on campus) allows eligible students to work in academic departments and administrative offices. The placement of students is based on departmental staff needs, the skill level of the student, and the student’s class schedule.

Students should first apply through the Office of Financial Aid to determine eligibility for participation in the Work-Study Program.

Service-Learning (course requirement). CSSL Center staff work closely with academic departments or individual faculty members to identify courses that lend themselves to practical application at a community site as part of the course requirement for credit or for experience only.

Service Transcript. Sponsors of student projects (e.g., advisors to student groups, instructors, and directors) document student participation in volunteer activities, campus leadership positions, internships/co-ops, study abroad and similar activities for inclusion in an official service transcript. The transcript is available to the student upon request to accompany applications for graduate school and employment, for example.

ASSOCIATE VICE PRESIDENT FOR STUDENT LIFE

The Associate Vice President for Student Life assures responsibility for programs dealing with the general welfare of students. The office provides guidance and direction for students, formulates, interprets, and enforces rules of social standard, and

administers a judicial program. The Associate Vice President for Student Life takes special cordial in the provision of services to students and maintains an open door policy.

HEALTH SERVICES

Health services are provided to Jackson State University students, faculty and staff at the University Health Center. A nurse/practitioner is available during office hours. A nightly and weekend on-call schedule addresses “after hour” emergencies.

Information about student health insurance may be obtained from the University Health Center. In case of emergencies, students are required to report to the Student Health Center first before going to any hospital and/or private physician for any illness or injury to be covered by the University Health Plan. Otherwise, the student will be responsible for all encumbered expenses. If a student becomes ill or injured after clinic hours, he or she must immediately contact residence hall personnel or Campus Police (601-979-2580).

JUDICIAL AFFAIRS

The Assistant to Judicial Services addresses student misconduct and discipline. Other responsibilities include conducting investigations, making discipline referrals, educating students on the Code of Conduct and general behavior expectations.

The Assistant to Judicial Services also conducts seminars on proper and expected student behavior, conducts informal hearings and counsels students. This Office also keeps abreast of the latest legal rulings and regulations relating to student conduct and discipline.

RONALD E. MCNAIR POST-BACCALAUREATE ACHIEVEMENT PROGRAM (McNAIR PROGRAM)

The McNair Program at Jackson State University began October 1999 under the auspices of the Division of Student Life. Funds are provided to assist 18-24 scholars each year during each four-year funding cycle. This program is funded by a grant from the U.S. Department of Education.

The goal of the McNair program is to prepare undergraduate students for doctoral study. A primary objective of the program is to support the personal and professional growth of the scholars. Enrichment programs—facilitated by faculty, staff and community visitors—address individual and group interests and general needs of the scholars. Examples of topics include GRE preparation, financing graduate education, and applying for graduate study.

Individual counseling sessions are held with scholars to address their questions about graduate programs, career opportunities, and any subjects of interest or concern. Examples of services provided include individual assistance with course assignments, major research projects, and career goal clarification.

CENTER FOR STUDENT LEADERSHIP AND INVOLVEMENT

The Center for Student Leadership & Involvement (CSLI) provides students with personal development activities through collaborations with faculty, administrators, and other Center resources. The Center serves as a bridge between student-led learning communities, officially sponsored public lectures, and student and faculty co-sponsored symposia on leadership and community service. CSLI is funded in part by a Title III grant from the U.S. Department of Education.

The goals and objectives of the CSLI Center are met by the following programs and activities:

Intellectual Development through Engaging Activities (IDEA) provides opportunities for the personal growth of students by initiating, promoting, and implementing educational, social, and cultural programs intended to inspire their personal development. The PDSA Center coordinates IDEA in association with the Office of Judicial Affairs. The program consists of a series of sessions with students designed to heighten their awareness of topics of importance and provide tools for personal development. Opportunities for students to develop high self-esteem, self-discipline, and personal motivation are provided.

Living and Learning Residential Community provides programs that are designed to enhance students academically, socially and professionally, by providing programs that create a sense of awareness and purpose. These programs are offered in conjunction with the Office of Housing/Residence Life. Living and Learning Residential Community (LLRC) programs are rotated among the residence halls and provide insight into student interests, needs and concerns.

National Society of Leadership and Success Seminars provides students with informative knowledge of the inner and outer workings of our society. The lectures generally appeals to a broad cross-section of the university community, bring new and stimulating thought on major public issues of the day, cultural affairs, or scholarly field of general interest. The lecture series are facilitated in conjunction with the Office of the Dean of Students throughout the fall and spring semesters. The lecture series features affluent individuals who have paved the avenues on various levels in our communities.

JSU Leadership Institute focuses on students interested in leadership development. Participants receive a Leadership

28 \ JACKSON STATE UNIVERSITY

Institute certificate upon completion of eight seminars in the areas of: Communication, Diversity and Leadership Skills. A leadership conference is held during the fall and spring semesters. The conference focuses on leader skill development and provides opportunities for skill-building in contemporary areas of effective leadership.

Blue Key Honor Society recognizes deserving students who have demonstrated record of success and excellence in scholarship, leadership, and service. Blue Key Honor Society salutes observable meritorious achievement and continued growth, development and leadership by example. Blue Key Honor Society recognized the uppermost percentile of students who have a distinguished and balanced record in all areas.

Emerging Leaders Leadership Summit is a one day conference open to all students interested in strengthening their leadership skills. This event balances education and personal growth with fun and interactive activities for students. Participants will hear motivational keynote speakers and will be able to attend educational and interactive sessions on the Principals of Leadership.

The Peer Leader Program pairs freshmen students with peer leaders (sophomores, juniors, seniors, or graduate students) to guide freshmen during their first year of college. Peer Leaders provide one-on-one mentoring and are available to answer any questions students may have regarding university policy and procedure, general education courses, major courses, and much more. The program guides and assists first-year students in adjusting the rigors of college life. In addition to the many workshops offered throughout the year, the Peer Leader Program also hosts several social events. These events bring mentors and mentees together and help to build the learning community.

Peer Leaders will assist first-year students in the following ways: Deal with all aspects of a student's transition to college live in order to increase academic success; make suggestions on how to balance academic and social life; advise students on how to manage time, improve study skills, approach faculty when necessary, and deal with stress; inform students about resources available at JSU, academically and socially; provide students with information about courses and campus policies and procedures; serve as a link between students, faculty and the administration; organize social activities to promote to promote community building and school spirit; and assist first-year students in setting limits and/or boundaries.

CENTER FOR SOCIAL AND CLINICAL COUNSELING

The Jackson State University Student Life Counseling Services assist students in becoming aware and accepting of one's feelings, complete tasks independently, and cope with problems in school and in the community. The counseling services provides

counseling, crisis intervention, anger management, conflict resolution, assessment, and referral services for students individually and in groups.

STUDENT LIFE HIV/AIDS PROJECT

The Student Life HIV/AIDS project addresses the HIV Prevention needs of Jackson State University Students. The project oversees and coordinates the HIV/AIDS awareness and education programs at Jackson State University.

STUDENT ORGANIZATIONS/ STUDENT GOVERNMENT ASSOCIATION

The Office of Student Organizations provides services and programs that are essential to the intellectual, cultural, social and moral development of students. The Office encourages students to realize their potential as individuals and as prepared, enlightened, responsible members of an increasingly complex and diverse global society. As a partner in the educational process at an urban university, Student Organizations are vital to the institution's mission "to guide students in acquiring the knowledge and developing the skills, understandings, appreciations, and attitudes which are essential to general, liberal, and professional education."

The Student Organizations office also serves as the principal advisor to the Student Government Association.

Programs and Activities:

- Evaluate all student organizations and their members to assure minimum qualifications for character and membership are met.
- Review applications for charters of all student organizations and making recommendations for their approval to the Dean of Student Life.
- Interpret University policy and procedures for student organizations and advisors.
- Develop and implement a student organization advisor orientation program.
- Coordinate Student Travel to games, conferences, workshops as needed.
- Provide programs and activities that compliment the academic program for students, alumni, and the University community.

- Serve as primary and general advisor to the Student Government Association.
- Coordinate, plan and implement University observances and activities in recognition and celebration of institutional traditions and developing strategies for significant student participation.
- Coordinate “Black College Day” Convocation.
- Provide policy seminars and assist students requesting information.

Student Organizations

Academic Council

General Honor Societies

Departmental Honor Societies

Academic Clubs

Class Council

Pan Hellenic Council

Religious Council

Residential Council

Special Interest Council

ACADEMIC COUNCIL

Clubs and organizations affiliated with a University department or national honor society with a main purpose of recognizing the attainment of scholarship of a superior quality. There are departmental clubs, honor societies, and special interests organizations for almost all of the academic disciplines.

- ★ Accounting Society
- ★ Advertising Club
- ★ Alpha Chi
- ★ Alpha Epsilon Rho National Broadcasting Society
- ★ Alpha Kappa Delta
- ★ Alpha Kappa Mu
- ★ Alpha Lambda Delta
- ★ Alpha Mu Alpha
- ★ Alpha Mu Gamma
- ★ Alpha Psi Omega National Honorary Dramatic Society
- ★ American Marketing Association
- ★ Association for Computing Machinery
- ★ Athenian Art Club
- ★ Beta Beta Beta Biological Honor Society
- ★ Beta Gamma Sigma
- ★ Beta Kappa Chi
- ★ Chemistry Society
- ★ Criminal Justice Club
- ★ Economic Development Society

- ★ Fannie Lou Hamer Pre-Law Club
- ★ Financial Management Association
- ★ Health, Physical Education and Recreation Club
- ★ History Club
- ★ Lambda Alpha Epsilon Criminal Justice Association, Nu Omega Chapter
- ★ Mass Communications Club
- ★ Mathematics Club
- ★ Meteorology Club
- ★ Music Educators National Conference
- ★ National Association of Black Journalist
- ★ National Association of Industrial Technology Club
- ★ National Society of Black Engineers – JSU Chapter
- ★ National Student Speech Language and Hearing Association
- ★ Phi Alpha National Social Work Honorary Society
- ★ Phi Alpha Theta National History Honor Society
- ★ Phi Beta Lambda Business Association – Tau Tau Chapter
- ★ Phi Kappa Phi
- ★ Pierian Literary Society
- ★ Pi Gamma Mu
- ★ Pi Lambda Theta
- ★ Pi Mu Epsilon National Honorary Mathematics Society
- ★ Pi Sigma Alpha
- ★ Political Science Club
- ★ Pre-Health Club
- ★ Psi Chi National Honor Society in Psychology
- ★ Psychology Club
- ★ College of Business Student Advisory Council
- ★ College of Liberal Arts Advisory Council
- ★ Society for the Advancement of Management (SAM)
- ★ Sigma Pi Sigma Physics Honor Society
- ★ Sigma Tau Delta National English Honor Society
- ★ Social Work Student Association
- ★ Society of Manufacturing Engineers–JSU Chapter
- ★ Society of Physics Students
- ★ Sociological Society
- ★ Student Council for Exceptional Students
- ★ Urban Studies Club

CLASS COUNCIL

Elected to represent the four undergraduate classes in the student governance process as allowed by class and SGA constitutions.

- ★ Freshman Class – represented by students who have completed 29 or fewer semester hours.
- ★ Sophomore Class – represented by students who have completed 30-59 semester hours.
- ★ Junior Class – represented by students who have completed 60-89 semester hours.

30 \ JACKSON STATE UNIVERSITY

- ★ Senior Class – represented by students who have completed 90 or more semester hours.

RELIGIOUS COUNCIL

Organizations whose mission is to further the interest of a particular church, sect, or denomination.

- ★ Baha'i Faith Club
- ★ Baptist Student Union
- ★ Bethel Prayer and Bible Club
- ★ Campus Crusade for Christ
- ★ Church of God In Christ (COGIC) Collegiate Club
- ★ The Emmanuel Club
- ★ Fellowship of Christian Athletes
- ★ Glory Phi God Campus Ministry
- ★ Pierre Toussaint Catholic Student Union
- ★ Wesley Foundation
- ★ JSU Interfaith Choir

RESIDENTIAL COUNCIL

Elected to represent the needs and concerns of campus housing groups.

- ★ F.O. Alexander East Residence Center for Men
- ★ Campbell College Suites South for Women
- ★ Campbell College Suites North for Men
- ★ F.O. Alexander West Residence Center for Women
- ★ John W. Dixon Hall for Men
- ★ E.T. Stewart Hall for Men
- ★ McAllister-Whiteside Residence Center for Women
- ★ Transition Hall for Women

SPECIAL INTEREST COUNCIL

Clubs and organizations whose mission is to promote a common interest; to foster participation in a specific interest or activity and to provide an interactive environment for its members.

- ★ Advertising Club
- ★ Blue and White Flash
- ★ Ceramic Clay Club
- ★ Cheerleaders/Tumblers Club
- ★ Chess Club
- ★ Dance Ensemble
- ★ Dazzlers
- ★ Dunbar Dramatic Guild
- ★ Food Service Club
- ★ Honda Campus All Star Challenge Team
- ★ Independent Student Association
- ★ Insatiable Modeling Squad

- ★ International Student Association
- ★ Investment Club
- ★ "J" Club
- ★ Jacksonian Yearbook
- ★ Karate Club
- ★ Mississippi Alliance for Minority Progress (MAMP) Program
- ★ National Association for the Advancement of Colored People (NAACP) – JSU Chapter
- ★ The National Association of Pershing Rifles
- ★ Potential and Optimistic Workers for Education Reform (POWER)
- ★ Pre-Alumni Club
- ★ Starlight Club
- ★ Students in Free Enterprise (SIFE)
- ★ Student Art Coalition
- ★ Student Educational Exchange (SEE)
- ★ Student Programming Board
- ★ Tiger Outreach Program (TOP)
- ★ Tiger PRIDE Connection (TPC)
- ★ University Choir/Chorale
- ★ University Club – Alabama Chapter
- ★ University Club – California Chapter
- ★ University Club – Caribbean Chapter
- ★ University Club – Georgia Chapter
- ★ University Club – Illinois Chapter
- ★ University Club – Indiana Chapter
- ★ University Club – Louisiana Chapter
- ★ University Club – Michigan Chapter
- ★ University Club – Missouri Chapter
- ★ University Club – Tennessee Chapter
- ★ University Orchestra
- ★ University Marching Band (Sonic Boom of the South)

PAN HELLENIC COUNCIL

Private, national or international social Greek letter, voluntary association which meets all of the following criteria:

1. The sponsoring bodies are legal corporations.
2. They have organizational goals which are social/service/fraternal rather than honorary, professional, religious or political. The emphasis of these groups is the personal development of members. Membership in more than one such fraternal organization at once is not permitted.
3. They may select members according to subjective criteria consistent with the nondiscriminating policies of the University. They may be entitled to single sex membership if they meet the provisions of Section 86.14 of the regulations promulgated under Title IX of the U.S. Education Act Amendment of 1972.
4. Are recognized by the Jackson State University National Pan-Hellenic Council.

5. Are approved for activity by the Division of Student Life at Jackson State University.

- ★ Alpha Kappa Alpha Sorority – Gamma Rho Chapter
- ★ Alpha Phi Alpha Fraternity – Delta Phi Chapter
- ★ Delta Sigma Theta Sorority – Delta Pi Chapter
- ★ Kappa Alpha Psi Fraternity – Delta Delta Chapter
- ★ Sigma Gamma Rho Sorority – Alpha Tau Chapter
- ★ Zeta Phi Beta Sorority – Lambda Beta Chapter
- ★ Phi Beta Sigma Fraternity – Alpha Beta Chapter
- ★ Omega Psi Phi Fraternity – Upsilon Epsilon Chapter
(Suspended)
- ★ Iota Phi Theta – Delta Psi Chapter

STUDENT PUBLICATIONS

The Office of Student Publications coordinates, produces and prints publications developed and designed primarily for consumption by and for the benefit of students. These publications include the weekly campus newspaper (The Blue and White Flash), the annual yearbook, directories, booklets, flyers, calendars, brochures and other Student Life related materials. The newspaper and yearbook are written and managed by students with counsel from the Director/Advisor.

Services offered are as follows:

- Publish Weekly Newspaper
- Publish Yearbook
- Training for student journalists, photographers, advertising and graphic design majors
- Provide work experience, clips, and resume building skills
- Prepare a variety of informational documents, handbook, manuals, presentations packages, flyers, etc.
- Provide technical assistance, layout/design service, desktop publishing
- Take photographs, document events, programs, etc.
- Provide general information and Student Life Web page updates

PROVISIONS FOR SUPERIOR STUDENTS

THE W.E.B. DU BOIS HONORS COLLEGE NATIONAL INSTITUTE OF HEALTH–MARC HONORS PROGRAM YOUNG SCIENTISTS PROGRAM

THE W.E.B. DU BOIS HONORS COLLEGE

The W.E.B. Du Bois Honors College at Jackson State University offers to superior students the opportunity to follow a program of study at a pace commensurate with their ability, to increase intellectual interaction among their peers, professors and advisors, to provide the opportunity for independent reading and research beyond the regular curriculum, and to participate in interdisciplinary seminars.

The college is designed to provide for each honors student a course of study suited to his or her own career plans and abilities. Each student's program is planned carefully with his or her advisor and the Associate Dean of the Honors College.

The College's explicit purpose is to offer excellent academic training and stimulating challenges to superior students. It is structured so that young scholars in each school and department can follow a program of study which includes honors courses within as well as outside of the student's department.

The qualifications for students desiring to enter the Honors College are as follows:

ENTERING FRESHMEN

1. Minimum ACT Composite score of 21 or SAT equivalent
2. High School grade point average of B+

UPPERCLASSMEN

Juniors and seniors otherwise qualified may enroll in honors courses and receive credit for honors work completed.

All students seeking enrollment in the Honors College should complete the following:

1. Application for Admission to the University
2. Application for the Honors College

STUDENTS CURRENTLY ENROLLED IN THE UNIVERSITY AND TRANSFER STUDENTS

1. Minimum overall grade point average of 3.5 in work undertaken at the University or college level
2. Freshman or sophomore standing

NATIONAL INSTITUTE OF HEALTH – MARC HONORS PROGRAM

A program to support twenty (20) junior or senior honor students in the Department of Biology and Chemistry who have as their primary objective to pursue graduate studies in the biomedical sciences. These students are given full tuition plus a stipend of \$638.00 per month.

The grant also provides for the selection of technical advisors from the department who are given \$1,000 for the support of their undergraduate research projects. Travel monies are also provided for students and faculty to attend professional meetings.

THE YOUNG SCIENTISTS PROGRAM

Established under the auspices of the Department of Chemistry, the Young Scientists Program has as its primary goal to address the recently declining trends in national enrollment of student pursuing the basic sciences and engineering. The program is partially supported by a grant from the National Aeronautics and Space Administration. All students who enroll at Jackson State University and major in a science or mathematics discipline are eligible for the program. Participants are selected on the basis of high school academic experiences and achievements. Selection criteria include:

- three or more years of science and mathematics courses in high school;
- “B” average or better in high school courses;
- career interest in a science, mathematics, or engineering field.

The students receive the out-of-state tuition fee (when applicable) and a voucher for books and supplies. The program provides special laboratory experiences for the students at Jackson State University and research positions at the laboratories of the donor companies during the summer.

SPECIAL PROGRAMS

**OFFICE OF INTERNATIONAL PROGRAMS
MILITARY SCIENCE PROGRAM
TITLE III–INSTITUTIONAL AID PROGRAM (IAP)
INTERCOLLEGIATE ATHLETICS**

OFFICE OF INTERNATIONAL PROGRAMS

The Office of International Programs is located in Suite 9, Faculty Apartments. Established in September 1993, the Office of International Programs engages in a variety of activities. With the overall aim of internationalizing Jackson State University, specific goals include internationalizing the curriculum; expanding the foreign language program; enhancing student involvement in international exchanges, work abroad programs and internships; increasing faculty participation in international exchanges, research, and internships; establishing language houses; increasing international student enrollment; establishment of an international village; increasing global awareness of the larger community; enhancing programs for international students; establishment of an international business center; instituting an intensive English language training program; increasing faculty involvement in technical assistance and training projects; and participation in the Diplomat-in-Residence Program. The Office is also responsible for facilitating the local programming of the International Visitors Center and coordinating the activities of the Mississippi Consortium for International Development.

In an effort to prepare Jackson State University students for the new millennium, a major priority of the Office of International Programs is to provide students with the opportunity to participate in education abroad experiences. Countries in which students can enhance their ability to compete in a global society include Costa Rica, Nicaragua, Mexico, Honduras, South Africa, Russia, Lesotho, Ghana, Japan and other countries throughout the world.

MILITARY SCIENCE PROGRAM (ROTC)

The Department of Military Science at Jackson State University provides an opportunity for students to earn a commission in the United States Armed Forces or in Corporate America at the same time they work toward an academic degree. Skills that are the cornerstone of leadership excellence such as confidence, self-esteem, motivation, leadership and fellowship, creative thinking, self-discipline, team building, and decision-making are taught in the Army and Air Force Reserve Officers Training Corps (ROTC) Program. Upon completing the Army ROTC Program and all requirements for an academic degree, students can achieve the

enviable combination of a degree in their chosen field and a presidential commission as an Army Second Lieutenant.

The objectives of the Army ROTC program are as follows:

1. To produce the future officer leadership of the U.S. Army
2. To provide an understanding of how the U.S. Army Reserve and the Army National Guard fit into the national defense structure.
3. To develop the leadership and managerial potential of students to facilitate their future performance as officers.
4. To develop the students' abilities to think creatively and to speak and write effectively.
5. To encourage the development of mental and moral standards that are essential to military service.

Students do not "join" ROTC, they simply enroll in the ROTC courses like any other college courses. The Program is a four-year program taken in conjunction with courses that are required in a major field of study.

The ROTC Program of instructions is divided into the Basic Course (freshmen and sophomore classes) and the Advanced Course (junior and senior classes). In addition to the lecture classes, students are also required to attend a Leadership Laboratory once a week. ROTC courses count as electives in all academic majors and may be substituted for physical education electives for non-physical education majors. Additionally, ROTC classes will not interfere with other college courses.

The Basic Course

The Basic Course includes Military Science I classes and Military Science II classes which are taught during the freshman and sophomore years. Freshmen students attend one hour lecture class and sophomore students attend two hours lecture class each week. Both freshmen and sophomores attend a one-hour Leadership Laboratory one day per week. The Basic Course instruction introduces students to basic military subjects; ROTC organization and mission, military history, military rank structure, customs and courtesies of the service, organization and functions of the military, principles and techniques of leadership and command, and first aid. There is no military obligation for students enrolled in the Basic Course Program. Students who complete the Basic Course are eligible to enroll in the Advanced Course which will lead to a commission as a Second Lieutenant.

The Advanced Course

The Advanced Course consists of Military Science III and Military Science IV classes and is composed of selected students who qualify for enrollment and demonstrate a definite potential for becoming effective leaders. Students classified as juniors and seniors are eligible to enroll in the Advanced Course. Both the juniors and seniors attend three hours of lecture classes each week and a two-hour Leadership Laboratory one day per week. Swimming classes, physical fitness training and field training are also taught in the Advanced Course. Students who successfully complete the junior class attend a six-week summer internship at Fort Lewis, Washington. The Advanced Course is both elective and selective; student must meet enrollment requirements listed below.

Enrollment Requirements

All students enrolled at Jackson State University or at one of the cross-enrolled colleges, are eligible to enroll in the Army ROTC Program on the campus of Jackson State University. Cross-enrolled colleges to Jackson State University for the purpose of ROTC enrollment are: Tougaloo College, Mississippi Valley State University, Mississippi College, Millsaps College, UMC School of Nursing, and Hinds Community College. Cross-enrolled students at each school except Mississippi Valley State University, must register for the class at Jackson State University under regular admission policies at their respective colleges, and they must take the ROTC classes on the campus of Jackson State University. ROTC courses are taught on the campus of Mississippi Valley State University.

All freshmen and sophomores enrolled as full-time students in the University or at one of the cross-enrolled schools listed above and are United States citizens, are eligible to enroll in the Basic Course. Full-time juniors who are United States citizens, who have two full years of school remaining, and who can qualify for a commission in the U.S. Army prior to their 30th birthday; are eligible to enroll in Military Science III (junior class). Students who meet the requirements to enrollment in the Advanced Course (junior class) are required to contract in the Army ROTC Program, agreeing to complete the Program and receiving their commission as Army officers. After becoming a contracted student in the Army ROTC Advanced Program, students will receive a monthly allowance of \$150. Additional requirements for students to enroll in the Advanced Course are:

1. Have a minimum grade point average of 2.0 or above.
2. Have completed two years of Senior ROTC in college, or have completed four-years of Junior ROTC in high school, or have prior military experiences, or attend ROTC Basic Camp the summer prior to enrolling in the Military Science III class.

34 \ JACKSON STATE UNIVERSITY

3. Pass a physical examination given at a military medical facility.
4. Pass the Army Officer Selection Baptist Examination.

Advanced ROTC Camp

Upon completing the Military Science III class, students must attend the six-weeks Advanced ROTC Camp in Fort Lewis, Washington. Advanced Camp is a requirement prior to receiving a commission as an Army officer. Advanced Camp is a paid internship where students have the opportunity to utilize the leadership and management skills and techniques learned in the Army ROTC classroom. While at camp, student will also meet other young men and women from hundreds of institutions throughout the United State, thus broadening their contacts and establishing any friendships.

AEROSPACE STUDIES PROGRAM (AFROTC)

The Aerospace Studies Program provides an opportunity for students to earn a commission in the United States Air Force while working toward an academic degree simultaneously. Skills that are the cornerstone of leadership excellence such as confidence, self-esteem, motivation, leadership and fellowship, creative thinking, self-discipline, team building, and decision-making are taught in the Air Force Reserve Officers Training Corps (AFROTC) Program. Upon completing the AFROTC Program and all requirements for an academic degree, students can achieve their goal of a degree in their chosen academic field and a presidential commission as an Air Force Second Lieutenant.

AFROTC LECTURE COURSE DESCRIPTIONS

AS 100 series; freshmen only

A survey course designed to be an introduction to the Air Force Reserve Officers Training Corps and the Air Force. (1 credit hour)

AS 200 series; sophomore-senior

This course is designed to examine general aspects of air and space power through a historical perspective. (1 credit hour)

AS 300 series; junior-grad student

This course is designed to examine several key aspects of basic leadership skills, including military writing, military briefings, problem solving, team building, and situational leadership. The course also explores professional and unprofessional leadership, advanced skills in leadership and subjects like power and influence, counseling, effective supervision, and leadership accountability. (3 credit hours)

AS 400 series; senior-grad student

This course is designed to provide an overview of National Security Affairs and serve as a vehicle to help the students become U.S. Air Force officers. Cadets should comprehend the basic elements of national security policy and process as well as air and space power functions and competencies. Special topics of interest focus on the military as a profession; officership; military justice; civilian control of the military; USAF organization, functions, and missions; regional studies; advanced leadership ethics; and Air Force doctrine. Within this structure, continued emphasis is given to the refinement of communication skills. (3 credit hours)

AFROTC LEADERSHIP LABORATORY COURSE DESCRIPTIONS: (1 credit hour; mandatory in conjunction with academic courses)

ASL 100 series; freshmen only

Initial Military Training (IMT):

LLAB for the Initial Military Training (IMT) cadets is a recruiting and retention tool. It is an informative and motivational experience, one that inspires cadets to continue to pursue the AFROTC program and an Air Force commission. The focus is on activities that promote the Air Force way of life and help effectively recruit and retain qualified cadets.

ASL 200 series; sophomore-seniors

Field Training Preparation (FTP):

The Field Training Preparation (FTP) program provides training to ensure every cadet is mentally and physically prepared for the rigorous field training environment. In coordination with AFROTC/DOT (Headquarters Field Training Staff), the FTP curriculum specifies a set of skills all cadets must learn prior to attending field training.

ASL 300 series; junior-grad student

Intermediate Cadet Leaders (ICL):

LLAB provides intermediate cadet leaders, typically AS300 cadets, the opportunity to further develop the leadership and followership skills learned at field training. Every cadet position should provide the intermediate cadet leaders the opportunity to sharpen their planning, organizational, and communication skills, as well as their ability to effectively use resources to accomplish a mission in a constructive learning environment.

ASL 400 series; senior-grad student

Senior Cadet Leaders (SCL):

LLAB for senior cadet leaders (SCL), typically AS400 cadets, provides pre-commissioning cadets with additional opportunities to develop leadership and supervisory capabilities and prepares them for their first active duty assignment. Like the ICL development program, there will be ample opportunity to develop and receive feedback on those leadership skills they will be expected to possess when they arrive at their first duty station. The

SCL LLAB program is also designed to provide prospective officers with the basic active duty survival skills.

Extended Cadet Leaders (ECL): (This course is only for students that have fulfilled their academic course portion in the AFROTC program, but still need to be actively involved in the AFROTC program until commissioning requirements are complete.)

LLAB for Extended Cadet Leaders (ECL), typically AS700 cadets, provides cadets with 1 to 2 remaining academic terms and the opportunity to continue developing critical leadership, managerial and communication skills along with maintaining an active, physical lifestyle needed in today's Air Force. It is up to the discretion of the Detachment Commander and Commandant of Cadets what jobs, duties or positions the ECL holds during this timeframe.

TITLE III-INSTITUTIONAL AID PROGRAM

The Institutional Aid Program, authorized by Title III of the Higher Education Act of 1965 and subsequent amendments, assists eligible institutions in equalizing educational opportunity through a program of federal assistance. The Strengthening Historically Black Colleges and Universities Program, Part B of the Title, provides financial assistance to establish or strengthen physical plants, financial management, academic resources, and endowments of historically black colleges and universities. Through this part, Jackson State University receives funds to strengthen instructional activities in the College of Business; College of Liberal Arts; College of Science, Engineering and Technology; College of Education and Human Development; College of Public Service; College of Lifelong Learning; Division of Undergraduate Studies; Division of International Programs; and the H. T. Sampson Library. The University also received funds for management improvement activities and for renovation, repair, and improvement of campus facilities. The University's Title III grant was funded in 1992.

ATHLETICS

The University provides a comprehensive athletic program for both men and women comprising both intramural and intercollegiate sports. These activities support the ideal of attaining a sound mind in a sound body; the achievement of academic excellence and the development of athletic skills both require self-discipline, perseverance and hard work.

Intramural sports may include leagues, tournaments, and contests in the following activities: touch football, cross-country, table tennis, basketball, bowling, volleyball, swimming, badminton, softball, golf, tennis, bridge, billiards, track and field, chess, weightlifting, archery, and horseshoes.

INTERCOLLEGIATE ATHLETIC MISSION

The University programs of intercollegiate athletics are designed to enhance the total education of students. Through intercollegiate athletics, students participate in organized competitive sports.

The mission statement of the Department of Athletics supports the mission of the University and is as follows:

- To promote and monitor the educational growth and development is the primary purpose of inter-collegiate athletics.
- To conduct an athletics program that protects and enhances the physical and educational welfare of student athletics.
- To provide a fair and equitable opportunity for all student athletes and staff participating in inter-collegiate sport activities, regardless of gender or ethnicity.
- To promote the principles of good sportsmanship and honesty in compliance with University, State, National Collegiate Athletics Associations, and conference regulations.
- To conduct a competitive athletics program that promotes faculty, staff, student, and community affiliation with the University.
- To serve the community through public service and outreach activities which positively reflect on the University and promote good will in the community.

Like other universities, Jackson State University utilizes athletics to promote and develop academic achievement, educational leadership, a competitive spirit, a desire for fitness, an appreciation of sports as a recreational pursuit, and the broad exposure of student athletes to varied campus cultures and personal contacts. These qualities are designed to enhance the academic performance of students through the imposition of discipline and mastery of time management. Together these factors promote motivation, self-esteem and maturity in student-athletes. Athletics comprise an important dimension of student life. Attendance at athletic events fosters school pride, spirit, cohesiveness and a unique culture among students, faculty and staff that treasure excellence in varied dimensions. These qualities are enhanced by the University's association with programs of national and regional renown in intercollegiate athletics competition.

Athletics provide the opportunity for unique involvement in University programs and activities. Operating within sanctioned NCAA and the Board of Trustees of State Institutions of Higher Learning guidelines, the University welcomes community participation and involvement in the operation of its athletic program. The community is involved in athletics through direct support groups, Booster Club operations and representation on the Athletics Committee.

ADMISSIONS, TUITION, AND FINANCIAL AID

ADMISSIONS
TUITION AND FEES
FINANCIAL AID
SCHOLARSHIPS, HONORS AND SPECIAL AWARDS

ADMISSIONS

ADMISSION TO THE UNIVERSITY
FRESHMAN ADMISSION REQUIREMENTS
ADMISSION BY EXAMINATION
EARLY ADMISSION
ADMISSION OF TRANSFER STUDENTS
TRANSFER OF CREDITS
TRANSIENT NON-DEGREE STUDENT
INTERNATIONAL STUDENT ADMISSION
SPECIAL NON-DEGREE STUDENT ADMISSION
SUMMER SESSION ADMISSION
REQUIREMENTS FOR SUMMER SESSION ADMISSION
ADMISSION TO TEACHER EDUCATION
RE-ADMISSION and APPEAL PROCEDURES
MISCELLANEOUS INFORMATION:
– **CREDIT BY COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)**
– **ADVANCED PLACEMENT**
– **RESIDENCE REQUIREMENTS**
– **VETERAN AFFAIRS**
– **CREDIT FOR EDUCATIONAL EXPERIENCES IN THE ARMED SERVICES**
– **SERVICES FOR STUDENTS WITH DISABILITIES**

ADMISSION TO THE UNIVERSITY

Admission to Jackson State University is administered in accordance with the policies established by the Board of Trustees, State of Mississippi Institutions of Higher Learning and by the Jackson State University Admissions and Credits Committee.

Admission decisions are made as applications and supporting documents are received; therefore, early application is encouraged. Information submitted to Jackson State University must be true and accurate. The withholding of pertinent information or the submission of false information may result in denial of admission or in dismissal. The University reserves the right to deny admission to any applicant and to forbid any previously admitted student continued enrollment.

Jackson State complies with all applicable laws regarding affirmative action and equal opportunity in all its activities and programs and does not discriminate against anyone protected by law because of age, color, national origin, race, religion, sex, handicap, or veteran status. The University welcomes applications from all individuals whose preparation and abilities give them a

reasonable chance of success in programs offered by the University. Questions regarding admission should be direct to the: Office of Undergraduate Admissions, JSU Box 17330, Jackson State University, Jackson, Mississippi 39217.

Freshman Admissions Procedures

How To Apply

To apply for freshman admission, an applicant must submit to the Office of Undergraduate Admissions the following:

1. APPLICATION – A completed application
2. TRANSCRIPTS – Prospective students should request their high school to send to the Office of Undergraduate Admissions an official six- or seven-semester transcript, which lists all high school course work, the date of graduation, grade point average, and class rank. **Unofficial transcripts are not accepted from students.** The following high school course units are required and must be listed on the transcript:

High School Course Requirements (College Preparatory Curriculum)

<u>SUBJECT</u>	<u>CARNEGIE UNITS</u>	<u>CONTENT & REMARKS</u>
English	4	All must have substantial writing components
Mathematics	3	Algebra I, Geometry, Algebra II or higher
Science	3	Biology, Advanced Biology, Chemistry, Advanced Chemistry, Physics, Physical Science
Social Studies	3	Must include United States History, World History, and American Government (½ unit) and Geography (½ unit)
Advanced Electives	2	Choose from a foreign language, Geography, a Math above Algebra II or a science from those listed above (1 unit must be foreign language or Geography)
Computer Application	½	Computer applications/programming course

3. TEST SCORES – Official ACT or SAT scores for all applicants finishing high school within the past five years

are mailed to the Office of Undergraduate Admissions directly from the ACT or SAT headquarters upon request (see addresses listed in this section). **Score reports brought by the applicant are not considered official.**

American College Testing Program
Box 268
Iowa City, Iowa 52240
(310) 356-3711

College Entrance Examination Board
P. O. Box 592
Princeton, New Jersey 08540
(609) 921-9023

4. COMPLETE STUDENT HEALTH FORM – All students born after December 1957 must submit proof of immunization compliance for measles and rubella.

When to Apply

High school students are encouraged to apply for admission and financial aid in January of their senior year. The earlier applications are received, the earlier students will be notified of admission and financial aid decisions. Any first time entering freshman student who meets the admission requirements and submits the necessary application for the fall semester by April 1st will receive early notification of acceptance to Jackson State University.

Students applying ONLINE are encouraged to apply on or before:

Fall semester – August 1st
Spring semester – December 1st
First summer session – May 1st
Second summer session – June 1st

Completed applications, test scores and transcripts should be received in the Office of Undergraduate Admissions at least 30 days prior to the student's scheduled registration date.

FRESHMAN ADMISSION REQUIREMENTS

Regular admission will be granted to the following:

1. All students completing the College Preparatory Curriculum (CPC) with a minimum of a 3.20 high school GPA on the CPC.
2. All students completing the College Preparatory Curriculum (CPC) with (a) minimum of a 2.50 high school GPA on the CPC or a class rank in the top 50%, and (b) a score of 16 or higher on the ACT (or the SAT equivalent).

3. All students completing the College Preparatory Curriculum (CPC) with (a) minimum of a 2.00 high school GPA on the CPC, and (b) a score of 18 or higher on the ACT (or SAT equivalent).
4. Satisfy the NCAA standards for students who are "Full Qualifiers" under Division I guidelines.

Students not meeting regular admission standards may still be eligible for admission. If an applicant meets one of the above requirements except for the full CPC, he/she may be admitted with up to two curriculum deficiencies (but no more than one in any allowable area; English and Mathematics are not allowed deficiencies).

Freshman applicants who do not meet the above listed standards will be required to participate in a screening process that will include the diagnostic test, ACCUPLACER. Depending on the level of readiness diagnosed through ACCUPLACER, an applicant may be admitted to the Summer or Fall Semester. Those students will be encouraged to participate in the Academic Support Program.

Summer Developmental Program

Students who fail to successfully complete the screening program requirements may be given "Admission With Deficiencies" and enroll in the Summer Development Program. This is an intensive program that concentrates on those high school subject areas (Writing, Reading, and Mathematics) that are essential to success in first-year college courses.

Students who successfully complete this summer program will be allowed to continue their regular programs of study during the fall term with mandatory participation in the Academic Support Program. Developmental courses taken during the Summer Developmental Program are remedial and neither count toward a degree nor are computed in a student's grade point average.

Students who fail to complete the summer program are not eligible for enrollment in the regular academic year. These students will be counseled to explore other post-secondary opportunities.

Academic Support Program

This program is designed to assist students with their freshman courses. The Academic Support Program Staff will consist of special tutors in mathematics, science, reading, and writing, as well as career counseling. The goal of this program is to provide individualized support.

ADMISSION BY EXAMINATION

Students who are unable to secure an authentic high school transcript may be permitted to enroll in the University provided they have earned the General Education Development (GED) Certificate or a passing score on the General Education Development Test of the American Council on Education and participate in a screening process.

EARLY ADMISSION

Outstanding secondary school students who choose to enter the University before graduation will be considered for admission upon completion of the junior year. Applications submitted by these students must be supported by a 3.2 GPA on 15 units courses in the college preparatory curriculum, and a recommendation from a high school official.

DUAL ENROLLMENT

JSU also offers highly qualified high school students the opportunity to earn college credit while they are enrolled in high school. To be dually enrolled, the application must submit a recommendation from the high school counselor and must have a 3.2 GPA on 15 units in the College Preparatory Curriculum (CPC). Through the Dual Enrollment Program, high school students may take one (1) course per term provided the course does not interfere with the high school curriculum.

ADMISSION OF TRANSFER STUDENTS

Transfer applicants who initially meet freshman admission requirements at Jackson State University (listed under Freshman Entrance Requirements), but choose to enroll at another regionally accredited institution, may transfer at any time provided the applicant:

1. Submits a formal application
2. Submits an official transcript from each college or university attended
3. Is in good standing at the last college or university attended
4. Has earned a minimum cumulative grade-point average of 2.00 on a 4.00 scale
5. Submits documented proof for measles and rubella immunization compliance, if born after December 1957

Transfer applicants who have completed an applicable associate degree, a higher level degree, or the equivalent, are exempt from

freshman admission requirements. Applicants who do not initially meet the freshman entrance requirements must have an overall “C” average (2.00 on a 4.00 scale) on all college-level work and a “C” average in the following twenty-four (24) semester hours of college level work:

1. Six (6) semester hours of English composition
2. Three (3) semester hours of college algebra or above
3. Six (6) semester hours of laboratory science
4. Nine (9) semester hours of transferable electives

TRANSFER OF CREDITS

Students transferring to Jackson State University should know the following:

1. A maximum of 62 semester hours of credit for courses completed at the freshman and sophomore levels will be allowed from a community/junior college toward degree requirements.
2. Jackson State University accepts transfer courses with “C” or above grades.
3. Jackson State University does not accept for credit courses that are classified as remedial or developmental.
4. Students ordinarily receive no transfer credit for courses designed specifically for technical and vocational career programs. The dean of the college concerned should be consulted on questions pertaining to the transfer of credits.
5. After earning 62 semester hours from any accredited institution, a student may not take additional courses at the community/junior college and have them applied toward a degree from Jackson State University, unless prior approval is obtained for the college dean.
6. Any course taken for credit at another institution while a student is enrolled at Jackson State University must have prior written permission of the student’s department chair and dean in order for that credit to be accepted toward the fulfillment of degree requirements at Jackson State University.
7. Grades earned in transfer courses will show on the permanent record at Jackson State University with a “T” in front of the earned grade from the transfer institution but will not be used in calculating Jackson State University grade point averages.

8. Normally, Jackson State University allows full credit on a course taken at another accredited institution if a comparable course is offered at Jackson State University. The final evaluation of transcripts is done by the department responsible for the program of study.
9. All students are required to have the last session of residence or its equivalent at Jackson State University and to complete satisfactorily a minimum of 30 semester hours of courses before graduation.
10. A maximum of 93 semester hours is transferable from an accredited four year institution.

TRANSIENT NON-DEGREE STUDENT

A transient student (temporary student who wishes to transfer credits to his/her home institution) or a student who wishes to transfer to another institution, must request an official transcript of credits to be issued to that institution in accordance with its transfer of credits policy.

INTERNATIONAL STUDENT ADMISSION

A prospective student who is not a citizen of the United States applying for admission to Jackson State University as an undergraduate must apply for admission at least four months prior to the desired date of entrance and must submit the following required documents two months prior to registration:

1. Application for Admission.
2. American College Test Score (ACT) of not less than 16 or combined Scholastic Aptitude Test (SAT) equivalent.
3. Test of English as a Foreign Language (TOEFL) or not less than 525 on the paper examination or computer-based equivalent examination.
4. Certified, translated copies of all transcripts, mark sheets, and diplomas, or official evaluation of international academic credentials from an accepted service agency.
5. Certified declaration of Financial Support (sufficient funds to cover expenses for one academic year) should be placed on deposit with the Jackson State University Office of Financial Services.
6. Completed student health form showing proof of immunization compliance for measles and rubella, if born after December 1957.

NON-DEGREE STUDENT ADMISSION

An applicant who is at least twenty-one (21) years old and does not meet the regular freshman admission requirements may apply for admission as a non-degree seeking student.

The non-degree seeking student enroll in a maximum of twelve (12) semester hours during a regular term, six (6) semester hours during a summer term, or equivalent hours for alternate terms. To transition from non-degree-seeking to degree-seeking status, the student must satisfactorily complete twelve (12) hours with a "C" or better average in the general education core. Once admitted to a degree program, a maximum of eighteen (18) semester hours credit earned as a non-degree-seeking student may be applied toward a baccalaureate degree, if approved by the dean of the college or school from which the degree is sought.

SUMMER SESSION ADMISSION

Students enrolled at another college or university may apply for summer session only admission. Such admission carries no commitment for permission to register for either term of the regular academic year. Students from other college or universities must be in good standing or eligible to continue academic work at their respective institutions and are responsible for determining if these institutions will accept credits earned at Jackson State University.

REQUIREMENTS FOR SUMMER SESSION ADMISSION

Freshman:

1. Completed application
2. Official high school transcript or passing GED scores
3. Completed student health form showing proof of immunization compliance for measles and rubella, if born after December 1957

Transfer students who have completed an applicable associate degree (AA, AS), a higher level degree, or the equivalent, are exempt from freshman admission requirements. All other transfer students are subject to the following requirements:

Transfer Students:

1. Completed application
2. Official transcript from all colleges attended
3. Completed student health form showing proof of immunization compliance for measles and rubella, if born after December 1957

Transient Students:

1. Completed application
2. Official transcript or letter of good standing from the home institution attended

ADMISSION TO TEACHER EDUCATION

The College of Education and Human Development is responsible for all teacher education programs at Jackson State University. All students who expect to qualify to teach must be formally admitted to the teacher education program. For specific information see admission procedures in the College of Education and Human Development section of the catalog.

READMISSION

A former student (one who has not earned a bachelors from Jackson State University or withdrew from the University) must submit an Application for Readmission. Official transcripts from all institutions attended since the student was last enrolled at Jackson State University must be mailed to the Office of Undergraduate Admissions. Unofficial transcripts will not be accepted from students applying for readmission. Suspended students who are approved for readmission will be readmitted on probation.

APPEAL PROCEDURES

Applicants who are denied admission to the undergraduate program and who feel there are highly extenuating circumstances that could justify a different decision may appeal for further consideration. The appeal procedure is as follows:

Applicants should write to the Office of Undergraduate Admissions and request a reevaluation. They should submit all academic and personal records which would help the Admissions and Credits Committee make a fair and informed decision. All extenuating circumstances should be explained fully.

Applicants may request an appointment to meet with members of the Committee to discuss their case. Applicants who are minors may be accompanied by parents or guardians.

After discussion, the Committee will communicate its decision through the Office of Undergraduate Admissions.

The Admissions and Credits Committee meets a minimum of two times per semester/summer session and at other times as needed.

MISCELLANEOUS INFORMATION

– Credit by College-Level Examination Program (CLEP)

The College-Level Examination Program (CLEP) is a program of credit by examination sponsored by the College Entrance Examination Board. This program provides interested individuals an opportunity to obtain recognition for college level achievement on the basis of examination performance.

The purpose of CLEP at Jackson State University is to make these examinations accessible to incoming and enrolled students. These examinations are available to anyone seeking to earn credit for attained academic competency.

There are two types of tests offered by CLEP: General Examinations and Subject Examinations. The General Examinations measure achievement in the following basic areas: (1) English Composition, (2) Humanities, (3) Mathematics, (4) Natural Sciences, and (5) Social Sciences–History. The Subject Examinations measure achievement in specific subject areas that are normally covered by first year college courses.

Advanced Placement and credit for a number of specifically approved courses are awarded for specified test scores on the General Examination and on certain Subject Examinations. CLEP credits are treated as undergraduate transfer credits and are not considered in the calculation of the student's cumulative grade point average. However, the credits may be used to fulfill degree requirements at Jackson State University. A maximum of 30 semester hours may be earned through the College-Level Examination Program.

Tests are administered at a pre-arranged time each month at colleges and universities listed in the CLEP brochure. Applicants who live more than 150 miles from the nearest center may request special administrations at more convenient locations. This may be done by completing a registration form and sending it with the test fee, the special administrations fee for each day of testing, and a letter of request to the College Entrance Examination Board, Box 1832, Princeton, New Jersey 08540. Arrangements may take five weeks.

Jackson State University is an approved test center. Students who wish to take a test at Jackson State University should apply directly to: The Office of Testing and Assessment, Jackson State University, JSU Box 17200, Jackson, Mississippi 39217.

The following includes courses currently approved for credit-by-examination through CLEP:

<u>CLEP General Examinations</u>	<u>JSU Courses</u>	<u>Cr. Hrs.</u>
English Comp.	ENG 104 - Composition ENG 105 - Composition	3 3
Humanities	MUS 205 - Music Appreciation ART 206 - Art Appreciation	3 3
Mathematics	MATH 104 - Algebra I	3
Natural Sciences	BIO 101 - Biological Science SCI 201 - Physical Science SCI 202 - Physical Science	3 3 3
Social Studies and History	HIST 101 - History of Civilization HIST 102 - History of Civilization	3 3
<u>CLEP Subject Examinations</u>		
American Lit.	ENG - Literature Elective ENG - Literature Elective	3 3
American Hist. I (Early Colonization to 1877)	HIST 201 - United States History	3
American Hist. II (1865 to Present)	HIST 202 - United States History	3
College Algebra	MATH 111 - Algebra	3
Computers & Data Processing	CSC 115 - Digital Computer Principles	3

– Advanced Placement

Students entering Jackson State University for the first time are allowed credit on the Advanced Placement Examination administered by the College Entrance Examination Board. Grades are recorded on the student's transcript for courses in which advanced placement credit is earned. These courses do not affect grade point averages. Acceptance of advanced placement credits to a specific degree will be determined by the major department chair and dean of the college in which the student is enrolled.

– Residence Requirements

Jackson State University applies the definitions and conditions as required by the State of Mississippi in the classification of students as residents or non-residents for the assessment of fees. Initial residency classification of an applicant for admission is determined at the time of admission. The University holds the

student responsible for knowing and registering under his/her correct residential status. A student who willfully registers his/her status incorrectly will be subject to disciplinary action or dismissal and required to pay the fees he/she would have otherwise been required to pay. The following classifications will apply:

A MINOR—The residence of a person less than 21 years of age is that of the father. After the death of the father, the residence of the minor is that of the mother. If the parents are divorced, the residence of the minor is that of the parent who was granted custody by the court; or, if custody was not granted, the residence continues to be that of the father. If both parents are dead, the residence of the minor is that of the last surviving parent at the time of that parent's death, unless the minor lives with a legal guardian of his/her person duly appointed by a proper court of Mississippi, in which case his/her residence becomes that of the guardian.

AN ADULT—The residence of an adult is that place where he/she is domiciled, that is, the place where he/she actually physically resides with the intention of remaining there indefinitely or of returning there permanently when temporarily absent.

REMOVAL OF PARENTS FROM MISSISSIPPI—If the parents of a minor who is enrolled as a student in an institution of higher learning move their legal residence from the State of Mississippi, the minor is immediately classified as a non-resident student.

TWELVE MONTHS OF RESIDENCE REQUIRED—No student may be admitted to the University as a resident of Mississippi unless his/her residence, as defined here in above, has been in the State of Mississippi for a continuous period of at least 12 months immediately preceding his/her admission.

RESIDENCY PETITIONS—Non-residents may petition the institution for a change of residency classification. A person who enters the State of Mississippi from another state and enters a system institution is considered a non-resident. Provided, however, that any person who has attained 21 years of age and has thereafter actually established residency and resided within the State of Mississippi for 12 consecutive months after attaining 21 years of age upon sworn affidavit and other representation, may petition the particular institution for a change in residency classification for the purposes of fees and tuition assessment. The institution may make reasonable inquiry into the validity of the petitioner's claim. Such petition for change of residency must be made on or before the last day a student may register at the particular institution without penalty.

RESIDENCE STATUS OF A MARRIED STUDENT—A married student may claim the residence of the spouse, or may claim independent resident status under the same regulations, set forth above, as any other adult.

CHILDREN OF PARENTS WHO ARE EMPLOYED BY THE UNIVERSITY—Children of parents who are members of the faculty or staff of the University may be classified as residents without regard to the residence requirement of 12 months.

MILITARY PERSONNEL ASSIGNED ON ACTIVE DUTY STATIONED IN MISSISSIPPI—Members of the U.S. Armed Forces on extended active duty and stationed within the State of Mississippi may be classified as residents, without regard to the residence requirement of 12 months, for the purpose of attendance at the University. Resident status of such military personnel who are not legal residents of Mississippi (as defined in Section 37-103-13 of House Bill 409, passed during the 1988 Session of the Mississippi Legislature) shall terminate upon their reassignment for duty in the continental United States outside the State of Mississippi.

CHILDREN OF MILITARY PERSONNEL—Resident status of children of members of the armed forces on extended active duty shall be that of the military parent for the purpose of attending the University during the time that their military parents are stationed within the State of Mississippi and shall be continued through the time that military parents are stationed in an overseas area with last duty assignment within the State of Mississippi. Resident status of minor children shall terminate upon reassignment under permanent change of station orders of their military parents for duty in the continental United States outside the State of Mississippi, excepting temporary training assignments en route from Mississippi.

CERTIFICATION OF RESIDENCE OF MILITARY PERSONNEL—A military person on active duty stationed in Mississippi who wishes to avail her/himself or her/his dependents of the provision of the paragraph titled *MILITARY PERSONNEL ASSIGNED ON ACTIVE DUTY STATIONED IN MISSISSIPPI* must submit a certificate from the military organization showing the name of the military member, the name of the dependent, if for a dependent, the name of the organization of assignment and its address (must be in the letterhead), that the military member will be on active duty stationed in Mississippi on the date of registration at the University; that the military member is not on transfer orders; and the signature of the commanding officer, the adjutant, or the personnel officer of the unit of assignment with signer's rank and title. A military certificate must be presented to the Registrar of the University each semester at (or within 10 days prior to) registration for the provisions of the paragraph *MILITARY PERSONNEL ASSIGNED ON ACTIVE DUTY STATIONED IN MISSISSIPPI*, named above, to be effective.

FAMILIES OF STUDENTS—The spouse and children of a non-resident student who pays or receives a waiver of the NON-RESIDENT fee may enroll in the University upon payment of the appropriate fees charged to a resident. Non-resident fees for spouses and children of part-time non-resident students will be prorated.

ALIENS—All aliens are classified as non-residents except those aliens lawfully admitted for permanent residence in the United States, and who reside in the State of Mississippi. An alien who petitions to be declared a resident of the State of Mississippi must prove that he/she has been accorded permanent residence by the United States Immigration and Naturalization Service. The alien petitioner must also prove his/her intent to remain in the State of Mississippi.

– Veteran Affairs

The Veteran Affairs Office (VA) assists students who are veterans and dependents of veterans who are eligible for benefits through the Veterans Administration.

The office is located on the second level of B. F. Roberts Hall and was established to act as a liaison between the eligible students and the various Jackson State University offices to help resolve entitlement problems. It can be reached at (601) 979-1755.

The office hours are:

8:00 a.m. to 5:00 p.m.Monday - Friday

The mailing address is:

Coordinator of Veterans Affairs
Office of the Registrar and Records
Jackson State University
JSU Box 17125
Jackson, Mississippi 39217-0125



– Credit for Educational Experience in the Armed Services

Jackson State University utilizes the American Council on Education's "Guide to the Evaluation of Educational Experiences in the Armed Services" for the evaluation of training for military occupational skills. Final acceptance of such military transfer credit is left to the discretion of the major department chair and the dean of the college in which the student is enrolled.

– Services for Students With Disabilities

Services for students with documented disabilities will be coordinated by the ADA Coordinator. Contact with the coordinator prior to enrollment is encouraged. The office hours are 8:00 a.m. to 5:00 p.m., Monday through Friday. The telephone number is (601) 979-3704. The mailing address is:

ADA Coordinator
Support Services for Students & Employees with Disabilities
Jackson State University
JSU Box 17156
Jackson, Mississippi 39217-0156

TUITION AND FEES

(Fees are subject to change)

TUITION

NON-RESIDENT FEE

ROOM AND BOARD FEES

EXPENSES

REFUND OF GENERAL FEES

LATE REGISTRATION FEE

CHANGE OF SCHEDULE FEE

AUDIT FEE

GRADUATION FEE FOR UNDERGRADUATE STUDENTS

TUITION

Undergraduate Tuition

1.0 - 11.0 hours.	\$211.00 / hour
12.0 - 19.0 hours.	\$2,525.00
19.0+ hours.	\$2,525.00 + \$211.00 / hour

Graduate Tuition

1.0 - 8.0 hours.	\$281.00 / hour
9.0 - 13.0 hours.	\$2,525.00
13.0+ hours.	\$2,525.00 + \$281.00 / hour

NON-RESIDENT FEE

Undergraduate and Graduate.	\$3,665.00 per semester
Late Registration Fee.	\$70.00; \$105.00; \$145.00
Add and Drop Fee.	\$25.00

All fees may be paid in advance by cash, certified check or money order. Checks should be made payable to Jackson State University. All fees are due and payable in full at the time of registration. All financial assistance awarded to a student is applicable to the total fees at the time of registration. Any variation from this policy will require prior approval from Financial Services (Business Office). Checks returned by a bank due to insufficient funds must be redeemed immediately, with the payment of a \$40.00 fee and a University late fee, if applicable, to avoid termination of registration.

All fees are subject to change contingent on Administrative recommendation and approval by the Board of Trustees of State Institutions of Higher Learning.

ROOM AND BOARD FEES

Room and board fees are assessed as two separate charges. The contracts are for the academic year. The cost of the Platinum flex meal plan for all students is \$2,472.00, Gold flex meal plan for all students is \$2,376.00, Silver flex meal plan is \$2,248.00 per academic year. If a contract for meals is not signed, the student may purchase meals from the dining hall on a cash basis. Normally, cash rates are significantly higher than contract rates.

An application must be filed with the Housing Office and a contract signed in order to secure a room in the residence hall. Students may be housed one or two to a room depending on the availability of space. The cost of freshman, transfer, readmitted students and upperclassmen housed two to a room is \$3,820.00 per academic year. Single occupancy is \$5,410.00 per academic year.

EXPENSES

The matter of expenses while attending Jackson State University is of importance to every student. It is difficult, however, to give specific information about annual expenses, because they vary according to the nature of the curriculum, the place of residence (whether within Mississippi or outside), and the student's own habits and needs. It is the responsibility of the University to inform students of certain definite expenses they will have and of others that are likely to arise.

The information in this section concerning expenses and financial aid is applicable to all students enrolled at the University. The listing of fees or charges in this catalog does not constitute a contract between the University and the student. Because of rapidly changing conditions, it may become necessary to alter a fee structure before the next edition of the catalog is published. As a condition of registration, each student will pay the fees in effect at the time of registration.

Room Deposit and Reservation Fee

A \$75.00 non-refundable deposit is required at the time application is made for University housing. Applicants should make money orders payable to Jackson State University. The room deposit applies as security deposit against damage and loss to University property and does not apply to rent. This is a non-refundable fee. (Exception: When the University is unable to provide accommodations.)

A room Reservation Fee of \$75.00 is required for a student to secure a room in the dormitory. The \$75.00 fee is chargeable on a yearly basis and should be remitted at the time the student submits the room reservation form to the Housing Office. The amount of the fee will be applied to the student's room rent for the

Fall semester. The room reservation fee may be forfeited by the student.

Non-Resident Fee

Responsibility for registering as a non-resident student is placed on the student. If a student is in doubt as to his/her legal residence and questions the decision of the Admissions Office, the matter should be referred to the Registrar for a decision before registration or payment of fees. (See Residence Status of Applicants under the section on Admissions.)

Transcript Fee

Prepayment of \$7.50 is required for each transcript issued (\$10.00 for a FAXed copy). A transcript is not released until all financial obligations to the University are met. Transcript fees must be paid by cash, credit card, money order, or cashiers check.

Room and Board

Students in good standing who voluntarily withdraw from the University during the semester may receive an adjustment prorated on a weekly basis.

When students withdraw with seven or more days remaining in the room period and/or board period, they will receive adjustments at a rate calculated by dividing the charge for room and board by 14 weeks per semester. There will be no refund for fewer than seven days. When students withdraw with seven or more days remaining in the semester, please contact the appropriate office for a refund schedule.

LATE REGISTRATION FEE

Any student who fails to complete registration by payment of all fees during the official registration period is charged a later registration fee of \$70.00, \$105.00, or \$145.00, dependent on the date of registration.

CHANGE OF SCHEDULE FEE

For any schedule change, a fee of \$25.00 will be charged. This fee is effective after the student officially completes registration.

AUDIT FEE

A fee of \$211.00 per hour will be charged to undergraduate students and \$281.00 per hour will be charged to graduate students. Audit fees for courses taught on-campus are the same as credit fees. Please note that fees are subject to change without prior notice.

TUITION POLICY ADJUSTMENT

Tuition adjustments are based on the date that classes begin and the date a course(s) is dropped or on the date of withdrawal. Students withdrawing from the University before the close of a semester must complete an "Application for Withdrawal" form. This form can be picked up in the Office of the Vice President for Student Life located on the third floor of the JSU Student Center.

Financial aid recipients who withdraw or drop a course may not receive a refund as a result of the tuition adjustment. The refund will be credited to the appropriate source of fee payment which includes: (1) Federal Unsubsidized Stafford Loan; (2) Federal Subsidized Stafford Loan; (3) Federal PLUS Loan; (4) Federal Direct Stafford Loan; (5) Federal Direct Plus; (6) Federal Perkins; (7) Federal Pell Grant; (8) Federal Supplemental Educational Opportunity Grant; (9) other Title IV aid; (10) other federal sources; and (11) state, private, or institutional aid.

<i><u>Amount Refunded</u></i>	<i><u>University</u></i>	<i><u>Due to</u></i>
<i><u>Student Withdraws</u></i>		<i><u>Approp. Source</u></i>
Week 1	20%	80%
Week 2	40%	60%
Week 3	60%	40%
Week 4	80%	20%
After Week 4	100%	0%

Refund of Title IV Federal Financial Aid

The Higher Education Amendments of 1998 (HEA98) represent a major shift in the return of Title IV Federal Financial Aid when a student withdraws from the University. This change in policy went into effect at Jackson State University during the Fall 2000 semester. The policy governs all federal grant and loan programs (Pell, SEOG, Stafford Loans, Perkins, and PLUS Loans), but does not include the Federal Work Study Program.

In general, the new law assumes that a student "earns" ***approved/verified*** federal financial aid awards in proportion to the number of days in the term prior to the student's complete withdrawal. If a student completely withdraws from the University during a term, the University must calculate, according to a specific formula, the portion of the total scheduled financial assistance that the student has earned and is therefore entitled to retain, until the time that the student withdrew. If a student receives (or the University receives on the student's behalf) more assistance than he/she earns, the unearned funds must be returned to the Department of Education or to the Federal Stafford or parent's Federal PLUS Loans lenders. If a student's charges are less than the amount earned, and a refund is due, the student may be able to receive those additional funds. **Students who have not completed the verification process are ineligible to receive any financial aid.**

The portion of the federal grants and loans that the student is entitled to receive is calculated on a percentage basis by comparing the total number of days in the semester to the number of days that the student completed before he/she withdrew. For example, if a student completes 40% of the semester, he/she earns 40% of the approved federal aid that was originally scheduled to be received for the term. This means 60% of the student's scheduled or disbursed aid remains unearned and must be returned to the Federal Programs. This policy does not affect the student's charges. The University's withdrawal policy will be used to determine the reduction, if any, in the student's tuition and fee or room and board charges. **The student is responsible for paying any outstanding charges to the University.**

Any grant funds that the student is required to return to the federal programs is considered an overpayment. The student must either repay the amount in full or make satisfactory payment arrangements with the Department of Education to repay the amount. If the student fails to repay, or make payment arrangements, to repay any overpayment, **the student will lose his/her eligibility to receive future federal financial aid at any institution.**

If a student remains in school through the 60% point of the semester, the federal regulations consider the student earning 100% of the federal aid and the student would owe no repayment as a consequence of withdrawal.

FINANCIAL AID

The Office of Financial Aid at Jackson State University coordinates all financial assistance offered to students. The fundamental purpose of the financial aid program is to make it possible for students to attend school who would normally be deprived of a post-secondary education.

Financial Aid is economic assistance available to help a student meet the difference between what he/she can afford to pay and what it will actually cost to attend Jackson State University. This economic assistance may be in the form of grants, loans, employment, scholarships or a combination of any of these programs.

Students seeking federal financial assistance are required to complete the Free Application for Federal Student Aid (FAFSA). The priority deadline date for Jackson State University is April 15 of each year.

FREE APPLICATION FOR FEDERAL STUDENT AID (FAFSA) – www.fafsa.ed.gov

All aid is contingent upon admission; therefore, a student must apply for admission to the University.

Federal Financial Aid Programs fall into one of three categories: grants, loans and work-study.

Grants are financial aid that students do not have to pay back unless, the student withdraws from school and owes a refund. The types of grants available are:

1. **Federal Pell Grant**
2. **Federal Supplemental Educational Opportunity Grant (SEOG)**
3. **Leveraging Educational Assistance Partnership Program (LEAP)**
4. **Academic Competitiveness Grant (ACG)**
5. **National Science and Mathematics Access to Retain Talent Grant (National SMART Grant)**
6. **Teacher Education Assistance for College and Higher Education Grant (TEACH)**
7. **Iraq and Afghanistan Service Grant**

The **FEDERAL PELL GRANT** is the federal government's largest student aid program and it is used as a "floor" or starting point for developing a student's financial aid award package. Student eligibility is primarily based on financial need that is determined by a formula established by law, which is applied

uniformly to all applicants. The formula produces an Expected Family Contribution (EFC) number that determines eligibility for this program.

The **FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANT** is awarded to undergraduate students with exceptional need, giving priority to Pell Grant recipients. Students with the lowest Expected Family Contribution (EFC) numbers are considered to have exceptional need. Supplemental grants range from \$100 to \$4,000 per academic year.

It is up to the discretion of the financial aid administrator to decide whether the aid package will contain FSEOG based on the availability of funds.

Not everyone who qualifies for FSEOG will receive an award due to limited funds. Therefore, it is important for the students to complete the FAFSA early to be considered for these funds.

The **LEVERAGING EDUCATIONAL ASSISTANCE PARTNERSHIP PROGRAM** is available to MISSISSIPPI RESIDENTS ONLY. Recipients of this grant must show a financial need and be enrolled full-time in an eligible Mississippi institution. LEAP ranges from \$200 to \$1,500 per academic year and recipients must meet all other eligibility requirements. The financial aid administrator decides whether the award package will contain LEAP.

The **ACADEMIC COMPETITIVENESS GRANT** is for first and second year undergraduate students enrolled at least half time and Pell Grants eligible during the same award year. The applicants must have completed a rigorous secondary program of study and must be enrolled in an eligible program.

First-year undergraduate students must not have been previously enrolled as regular students in an undergraduate program of study. The students must have graduated from high school after January 1, 2006.

Second-year undergraduate students must have a cumulative 3.00 GPA at the end of the first academic year of study.

The ACG will provide up to \$750.00 for the first year of undergraduate study and up to \$1,300.00 for the second year.

The **NATIONAL SCIENCE AND MATHEMATICS ACCESS TO RETAIN TALENT GRANT** is for undergraduate students enrolled at least half time in the third or fourth academic year of an eligible program and Pell Grants eligible during the same award year.

The applicants must be pursuing eligible majors in physical, life, computer sciences, engineering, technology, mathematics, or critical-need foreign language. The students must maintain a cumulative GPA of 3.00 each semester.

The **National SMART Grant** will provide up to \$4,000.00 for each of the third and fourth academic years.

The **Teacher Education Assistance for College and Higher Education Grant** provides up to \$4,000 a year in grant assistance if the student is completing or plan to complete course work needed to begin a career in teaching.

As a condition for receiving a TEACH Grant, the student must sign an Agreement to Serve promising to teach full-time in a high-need field at a low-income school or educational service agency after completing the course of study for which the student received the grant.

If the student does not complete the teaching service obligation, the TEACH Grant will be converted to a Direct Unsubsidized Loan that must be repaid with interest charged from the date of each TEACH Grant disbursement.

For detailed information on this grant, visit www.teachgrant.ed.gov.

The **Iraq and Afghanistan Service Grant** is for students not eligible for Pell Grant whose parent or guardian was a member of the U.S. Armed Forces and died as a result of serviced performed in Iraq or Afghanistan after September 11, 2001. The student must be under 24 years old or enrolled in college at the time of the parent's or guardian's death. The student must be at least a part-time student at the time of the parent's or guardian's death.

LOANS

Loans are borrowed money that must be repaid with interest. The types of loans available are:

1. Federal Perkins Loans
2. Federal Stafford Loans
3. Federal Plus Loans

FEDERAL PERKINS LOAN

The **Federal Perkins Loan** is a low-interest (5%) loan obtained through the University to help finance a student's college education. These loans are for both undergraduate and graduate students with exceptional financial need.

48 \ JACKSON STATE UNIVERSITY

A student may borrow up to \$5,500 for each year of undergraduate study and \$8,000 each year for graduate or professional study.

A student must sign a promissory note agreeing to repay the loan before the school will either pay him/her directly or credit the student's account. The student will receive the loan within at least two payments during the academic year.

A student has a period of time before repayment of the loan begins, called a "grace period." Half-time students have a grace period of nine months after he/she graduates, leaves school, or drops below half-time.

At the end of the grace period, the student must begin repaying the loan. He/she may be allowed up to 10 years to repay it.

WILLIAM D. FORD FEDERAL DIRECT LOAN PROGRAM

Federal Direct Stafford Loans (Subsidized and Unsubsidized) are low interest loans made by the U. S. Department of Education to students enrolled at least half-time. For loans first disbursed on or after July 1, 2009, the interest rate is 6.8 percent for subsidized loans for undergraduates, and 6.8 percent for unsubsidized loans for undergraduates and graduates.

The Federal Stafford "Subsidized" Loan is based on financial need, but the Federal Stafford "Unsubsidized" Loan is not. The Subsidized and Unsubsidized Federal Stafford Loans combined cannot exceed loan maximums set by the Department of Education per academic year. The loan maximums for undergraduate students are:

Dependent Students:

- \$3,500 plus (\$2,000 unsubsidized) first year;
- \$4,500 plus (\$2,000 unsubsidized) second year, and;
- \$5,500 plus (\$2,000 unsubsidized) third or fourth year.

Independent Students:

- \$9,500 (No more than \$3,500 in subsidized) first year;
- \$10,500 (No more than \$4,500 in subsidized) second year, and;
- \$12,500 (No more than \$5,500 in subsidized) third or fourth year.

NOTE: Students enrolled in teacher certification or re-certification programs are considered the same as 5th year undergraduate students, and may borrow up to the same limits as fourth year students (Dependent or Independent).

Eligible loan amounts are determined by the Cost of Attendance minus Expected Family Contribution, minus any other assistance the student may receive.

After the student graduates, leaves school, or drops below halftime, he/she has six months before beginning repayment. This is called a "grace period" if it is a Subsidized Stafford Loan; he/she will not have to pay any principal or interest during that period. If the student has an Unsubsidized Stafford Loan, he/she will be responsible for the interest from the time the loan is disbursed until the loan is paid in full.

Student Loan Entrance and Exit Interviews are required for all loan borrowers. Students may contact the Financial Aid Office for more information.

The **Federal Direct PLUS Loan** is a loan for the parent of a dependent child who is enrolled at least half-time. In addition, graduate or professional degree students may obtain PLUS Loans to help pay for their own education. This loan is made through the U. S. Department of Education. Credit checks are required. The yearly loan limit is the cost of attendance minus any estimated financial aid for which the student is eligible.

The Direct PLUS loan interest rate is 7.90%. Repayment begins on the date of the last disbursement for the period in which the loan was disbursed.

The **Federal Work Study Programs** provides part-time jobs for students who have financial need, allowing them to earn money to help pay education expenses. The program encourages community service work. At Jackson State University, students work in various offices and departments with their work schedule built around their academic class schedule.

The amount of the FWS award depends on the student's financial need and the amount of money the school has been allocated for the program. In arranging a job and assigning a work schedule, the work study coordinator will take into account the student's class schedule, health and the skills needed to perform the assigned duties. The salary received will be based on the current minimum wage. The student will be allowed to work up to 15 hours per week unless otherwise indicated. Under no circumstances can a student earn as much FWS money as he/she wants. The total amount of aid awarded from Federal and Non-Federal sources cannot exceed the student's financial need. The student is paid once per month.

The **University Work Aid** is a non-need program that provides jobs for students who are unable to qualify for the Federal Work-Study Program. These funds are available for students who possess a needed skill or talent. Students are employed in a variety of University offices and departments.

The criteria for determining a student's eligibility for aid under these programs are, the student:

- demonstrates financial need, except for some loan programs;
- has a high school diploma or a General Education Development (GED) certificate;
- is enrolled as a regular student seeking a degree or certificate in an eligible program;
- is a U.S. citizen or eligible non-citizen;
- has a Social Security Number;
- is making satisfactory academic progress;
- has certification that federal aid will be used only for educational expenses;
- certify not in default on federal loan and do not owe money on a federal grant;
- is registered with Selective Service, if required.

MISSISSIPPI STATE STUDENT FINANCIAL AID PROGRAMS

To receive the State Financial Aid, students must apply at www.ihl.state.ms.us.

Programs offered by the State are:

Critical Needs Teacher Loan Scholarship
Health Care Professions Loan Scholarship
Higher Education Legislative Plan for Needy Students
Mississippi Eminent Scholars Grant
Mississippi Law Enforcement Officers and Firemen Scholarship
Mississippi Resident Tuition Assistance Grant
Nissan North America, Incorporated
Summer Developmental Program Grant
William Winter Teacher Scholar Loan

VERIFICATION POLICIES AND PROCEDURES

The Office of Financial Aid conducts verification on all applicants selected for verification by the Department of Education edit checks.

Applicants selected for verification must submit the following documents to the Financial Aid Office:

1. Signed copy of the Federal Income Tax Returns (or other acceptable tax documents) of the applicant and or spouse, or parent(s), if applicable;
2. A completed Verification Worksheet (dependent or independent) listing household size, number in college, and other untaxed income and benefits.

The information submitted on the FAFSA is compared with the information contained in the official documents submitted to complete verification (tax returns or other acceptable documents and verification worksheets). The verification process can takes four to six weeks from the time all required documents are received.

NOTE: Verification documents requested by the Financial Aid Office must be submitted within sixty (60) days of the request. If the requested information is not received within the sixty (60) days, the application for financial assistance will not be processed until verification is completed.

CORRECTION PROCESS

Once all documents are received, corrections, if any are needed, will be made electronically. If the verification process results in a change in the expected family contribution (EFC), the student will receive an acknowledgment letter from the U.S. Department of Education with the corrected data. The student will also receive notification from the Financial Aid Office via his/her JSU web account. The electronic correction process takes 7 to 10 working days. Once the correction is received, the student will be awarded and notified.

CONFLICTING INFORMATION

Conflicting information must be resolved prior to disbursing federal student aid to students. If conflicting information is discovered after disbursing federal student aid, the discrepancies must still be resolved and the appropriate action must be taken based on specific program requirements. Conflicting information is separate and distinct from verification and must be resolved whether or not the student is selected for verification.

REFERRALS TO THE OFFICE OF THE INSPECTOR GENERAL OF THE DEPARTMENT OF EDUCATION

The Office of Financial Aid will refer to the Inspector General of the Department of Education any credible information indicating that an applicant for Title IV Program assistance may have engaged in fraud or other criminal misconduct in connection with his or her application. Examples of this information are:

1. False claims of independent student status;
2. False claims of citizenship;
3. Use of false identities;
4. Forgery of signatures or certification;
5. False statements of income; and
6. Other illegal conduct involving the administration of Title IV Programs.

RECOVERY OF FUNDS (OVERPAYMENTS)

Jackson State University will make every effort to avoid overpayment of Federal funds to financial aid recipients. If a financial aid recipient receives an overpayment as a result of the verification process, the Office of Financial Aid will eliminate the overpayment. The overpayment will be eliminated by adjusting subsequent financial aid payments during the award year or reimbursing the Federal Program account within sixty (60) days of the recipient's last day of attendance or the last day of the award year, which ever is earlier. **APPLICANTS WHO OWE A REPAYMENT OF FEDERAL FUNDS ARE NOT ELIGIBLE TO RECEIVE FEDERAL AID UNTIL THE OVERPAYMENT IS PAID IN FULL.**

STANDARDS FOR SATISFACTORY ACADEMIC PROGRESS

Section 484 of the Higher Education Act (HEA), as amended, requires that a student maintain satisfactory progress in the course of study he or she is pursuing according to the standards and practices of the institution in which he or she is enrolled in order to receive aid under the student financial assistance programs authorized by Title IV of the HEA. These programs include the Federal Pell Grant, Federal Supplemental Education Opportunity Grant (SEOG), Academic Competitiveness Grant (ACG), National Science and Mathematics Access to Retain Talent Grant (SMART), Leveraging Education Assistance Partnership Program (LEAP), Federal Work-Study, Federal Perkins Loan, and the Federal Family Educational Loan Program.

Jackson State University students must show measurable academic progress towards a degree. Students are required to earn a 2.00 Cumulative Grade Point Average in major courses of study in order to graduate.

Title IV recipients use a graduated scale that culminates in the graduation requirement in order to maintain satisfactory academic progress.

Qualitative Standards

The following scale is used to determine if qualitative satisfactory progress is being maintained for undergraduate students:

Total JSU Hours Attempted	0-29	30-59	60-89	90-107	108-128
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Minimum Cumulative Grade Point Average Required	1.50	1.75	1.80	1.90	2.00
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MAXIMUM TIME FRAME

Financial aid eligibility is subject to the maximum time frame limits noted below:

Quantitative Standards

Students are expected to complete the requirements for degree within a reasonable time frame. Undergraduates pursuing a degree are allowed to attempt up to 150% of the published length of the program. For example, length of the program = 124 hours x 150% = 186 hours. This includes both JSU and transfer hours.

Undergraduate students must pass a minimum percentage of JSU courses attempted. For this standard students must pass 67% of hours attempted.

Grades

Grades of "F", "W" (withdrawn), and "I" (incomplete) do not count toward credits completed; however, they are counted as attempted hours. Also, all repeated hours are counted as attempted hours.

Satisfactory academic progress is measured annually at the end of the spring semester.

Probation

Failure to complete the required hours and maintain the appropriate cumulative GPA will result in a two semester probationary period including the current semester enrolled. Failure to bring the cumulative GPA into compliance and or complete the required hours, at this point, will be considered as not maintaining satisfactory academic progress and therefore renders the student ineligible for Title IV assistance.

Appeal Procedures

Students who fail to maintain satisfactory progress or have not met degree requirements may appeal the denial by explaining the mitigating circumstances in writing to the Chairperson of the Financial Aid Appeals Committee by the last published date to complete registration. Appeals received after this date will be considered for the next semester.

Reinstatement

The Financial Aid Appeals Committee will review the appeal for reinstatement of aid. The decision will be based on the strength of the appeal, the documentation submitted, and the academic record.

Financial aid will be reinstated for students who reestablish eligibility by maintaining the standards of satisfactory academic progress.

Mitigating Circumstances

Mitigating circumstances are special or unusual circumstances or conditions that has affected the student's ability to progress according to specified standards. These circumstances may include, but not limited to, bereavement, illness, emotional or personal difficulties, disability, eviction and undue hardship based on traumatic occurrences. These circumstances must be explained in detail when appealing a financial aid denial.

The Financial Aid Office at Jackson State University does not discriminate against students on the basis of sex, handicap, race, color, religion or national origin, pursuant to the requirements of Title IX of the Educational Amendments of 1972, the Rehabilitation Act of 1973, and other applicable statutes.



SCHOLARSHIPS, HONORS, AND SPECIAL AWARDS

SCHOLARSHIPS

SPECIAL HONORS AND AWARDS

WHO'S WHO AMONG STUDENTS IN AMERICA UNIVERSITIES AND COLLEGES

SCHOLARSHIPS

Scholarships and achievement grants are awarded to deserving students based on scholastic merit and financial need. Scholarships and achievement grants are offered as an integral part of the recipient's total financial aid package. Policies concerning scholarships and achievement grants are determined by the Scholarship Committee. The amount of each award is determined by the scholarship or grant category. These awards shall not exceed the "cost of attendance" at the University. For individual students with scholarships from multiple source, awards from sources shall be applied to the student's "Financial Aid Budget" first and the institutional award(s) shall be applied last. This policy shall not supersede any Federal, State, NCAA, or Athletic conference regulations. Application for academic scholarships may be requested from the Office of Financial Aid, Office of Undergraduate Admissions, Undergraduate Recruitment, and directly from the Honors College.

CATEGORIES OF SCHOLARSHIPS AND TUITION WAIVERS

FRESHMEN ACADEMIC SCHOLARSHIPS

The Freshmen Academic Scholarship Program at Jackson State University is designed to recognize and reward freshmen students who have exemplified academic excellence. To demonstrate its commitment to talented students, the University annually awards a number of Academic Scholarships to qualified applicants. *These scholarships are awarded on a competitive basis consecutively, and are renewable at the end of each year for a four-year period for entering freshmen. All scholarships are restricted to campus charges and two persons per room (double occupancy) housing. Scholarship funds do not pay for off-campus housing. All applicants must be admitted in a degree seeking program.*

Scholarship applicants will be awarded only ONE scholarship from our academic scholarship program. If a recipient's cumulative grade point average (CGPA) falls below requirements,

52 \ JACKSON STATE UNIVERSITY

the scholarship award will be canceled. The recipient must submit a Letter of Appeal by June 30 for scholarship reconsideration to the Office of Financial Aid/Scholarship Committee. Reinstatement will be based on availability of funds.

Selection of scholarship recipients is based on the following criteria:

1. Admission to the University
2. Grade point average
3. Composite American College Test/Scholastic Aptitude Test Score
4. Rank in graduating class
5. Availability of Funds

Entering Freshmen

Full Academic Scholarship

- Cumulative High School GPA of “B” or above
- Composite ACT score of 25-26 or SAT equivalent
- Enroll in 15 hours per semester at JSU
- RENEWABLE: must maintain GPA of 3.25 or above

Half Academic Scholarship

- Cumulative High School average of “B” or above
- Composite ACT score of 22-24 or SAT equivalent
- RENEWABLE: must maintain GPA of 3.25 or above
- Enroll in 15 hours per semester at JSU
- Tuition Scholarship only if recipient lives off campus

Tuition Academic Scholarship

- Cumulative High School average of “B” or above
- Composite ACT score of 22-24 or SAT equivalent
- Covers tuition only
- Enroll in 15 hours per semester at JSU
- RENEWABLE: must maintain GPA of 3.25 or above

DEADLINE: February 15th of each year

PRESIDENTIAL ACADEMIC SCHOLARSHIPS

The Presidential Academic Scholarship Program at Jackson State University is designed to recognize and reward students who have exemplified academic excellence. Freshmen must have completed a college preparatory curriculum with a 3.50 GPA and a 27 or higher ACT test score or the SAT equivalent. Candidates must enroll in 15 or more hours per semester at JSU. The award will cover tuition, fees, room, board and books (ROOM AND BOARD IS RESTRICTED TO ON-CAMPUS HOUSING ONLY!). The Presidential Academic Scholarship is awarded on a competitive basis and is *renewable at the end of each year for a four-year period for entering freshmen who maintain a 3.50 Cumulative Grade Point Average or higher.*

DEADLINE: February 15th of each year

VALEDICTORIAN/SALUTATORIAN ACADEMIC SCHOLARSHIP

This scholarship is awarded to a high school senior who attains the honor of VALEDICTORIAN or SALUTATORIAN of their graduating class. The Valedictorian/Salutatorian Academic Scholarship Award will cover full tuition, room and board. This scholarship is renewable annually for four consecutive years of enrollment. In order for the scholarship to be renewed, the recipient must maintain a 3.25 grade point average each semester and be enrolled in 15 hours of undergraduate courses per semester at JSU.

DEADLINE: June 15th of each year

LEADERSHIP AWARD SCHOLARSHIP

Leadership awards are awarded to entering freshmen. The purpose of this scholarship is to promote leadership. Candidates must have completed a college preparatory curriculum with a minimum high school GPA of 3.0 or ranked in the top 10% of their class and a 20-21 ACT test or the SAT equivalent. Candidates are selected on the basis of scholarship, leadership, community service, citizenship and future potentials in order for the award to be renewed. The Candidate must enroll in 15 or more hours per semester at JSU and be enrolled in a degree-seeking program. **THE LEADERSHIP SCHOLARSHIP AWARD IS \$1,000 PER ACADEMIC YEAR!** Scholarships are awarded on a competitive basis. Limited awards are available. Students must maintain a cumulative GPA of 3.0 or higher at JSU to be considered for renewal. Applicants must submit two letters of recommendation from a school or community leader.

DEADLINE: February 15th of each year

SCHOLARSHIPS FOR COMMUNITY/JUNIOR COLLEGE STUDENTS

The University awards annually a limited number of full room, board and tuition and tuition only scholarships to students who have graduated from a community/junior college with cumulative averages of “B” or better. The selection of scholarship recipients is done on both a competitive and an individual basis. Recipients must enroll in 15 hours of undergraduate courses per semester at JSU.

- Recipient must have received an AA degree
- Minimum of 60 hours in transferable transfer credit

COMMUNITY/JUNIOR COLLEGE GRADUATES

Full Tuition Only Scholarship

- Cumulative GPA of 3.00 or above
- RENEWABLE: Student must maintain GPA of 3.25 or above
- Enroll in 15 hours per semester at JSU

DEADLINE: June 15th of each year

PHI THETA KAPPA SCHOLARSHIPS

The University awards annually a limited number of full tuition, room and board, and a \$500 book award Phi Theta Kappa scholarships to community/junior college graduates with a cumulative grade point averages of 3.5 or better. The recipient must be an active member of Phi Theta Kappa. The selection of scholarship recipients is done on both a competitive and an individual basis. RENEWABLE: Student must maintain GPA of 3.25 or above and enroll in 15 hours per semester at JSU.

DEADLINE: June 15th of each year

Mission-Specific Scholarships

DIVERSITY SCHOLARSHIP AWARDS (Undergraduates)

The purpose of this scholarship award is to foster and achieve diversity in the student population of Jackson State University. This program is funded through an Endowed Trust Fund. Eligibility for this program is restricted to the following criteria:

1. Applicant must complete a Diversity Scholarship Application.
2. The recipient may not be African American. Caucasians and persons of other non-African American ethnicity are eligible.
3. Scholarship awards may be granted to resident and non-resident students, but priority shall be given to Mississippi residents.
4. Scholarship awards may be granted to undergraduate students and graduate students, but priority shall be given to undergraduate students.
5. Scholarship awards may be granted to full-time students and part-time students, but priority shall be given to full-time students. Full-time students are persons enrolled in 12 or more semester credit hours. Part-time students are students enrolled in less than 12 semester credit hours.

6. Scholarship awards for first-time enrollees shall be awarded only to students who meet admissions requirements. Students required to enroll in the summer developmental program are not eligible. Transfer students whose post-high school GPA is less than 2.0 are not eligible.
7. Scholarship awards for returning students shall be awarded only to those maintaining an overall GPA of at least 2.50 in academic courses counting toward a degree at JSU.
8. Awards are made based on availability of funds.
9. The minimum amount of a scholarship award is \$250 per semester (\$500 per academic year). The maximum amount of a scholarship award on a per-semester basis shall be an amount equal to the total of tuition, fees, room and board (on campus resident) or an amount equal to tuition only (off-campus resident) in effect at the time of the award.
10. If the scholarship recipient is not continuously enrolled at Jackson State University, he/she must reapply.

DEADLINE: June 15th of each year

PERFORMANCE/SERVICE SCHOLARSHIPS

S.G.A. SERVICE AWARD

S.G.A. Service Awards are granted to Jackson State University's S.G.A. President and Miss Jackson State University. The award covers tuition, fees, room and board.

BOOK AWARDS

These awards are presented to prospective and returning students for special event participation (High School/Community College Day, Academic Spring Day, Parent for Partners Weekend, etc.). Limited funds are available. Applicant must be admissible and enroll at the University. These awards are based on funds availability and on a first application basis.

SCHOLARSHIPS FOR MUSIC STUDENTS

Music scholarships are awarded to high school graduates who show special talent in instrumental, vocal and keyboard areas and who desire to major in Music or Music Education at Jackson State University. Partial scholarships are also available for students who participate in the band, choir, and orchestra. Applicants for these scholarships must be recommended by the high school

54 \ JACKSON STATE UNIVERSITY

principal or a member of the school faculty and must be auditioned by a representative of the University from the department in which they are seeking scholarship assistance.

ATHLETIC SCHOLARSHIPS

Athletic Scholarships are awarded to high school graduates and continuing students who show a special talent in one of the following sports: Baseball, Basketball, Bowling, Football, Golf, Soccer, Softball, Track, Volleyball and other sports. In order to receive an Athletic Scholarship, the student athlete must meet NCAA eligibility requirements and is selected by the respective coach. Athletic Scholarships are renewable pending year end evaluation of athletes' performance by the respective coach. For more information regarding athletic scholarships, contact the head coach of the respective sport.

STAFF-TUITION WAIVERS

Full-time staff of Jackson State University who qualify for admission may, with the approval of the immediate supervisor, have tuition and general fees remitted for two courses (including accompanying laboratory) per semester or per summer session.

Supervisors are authorized to allow employees to take course work during their lunch hour, whenever possible (provided the course does not exceed the one hour allotted for lunch, which should be taken between the hours of 11:00 a.m. – 2:00 p.m.).

DEADLINE: *Beginning of each semester*

DEPENDENT TUITION WAIVERS

The Undergraduate Tuition Remission Policy applies to full-time faculty and staff, and single dependent children under 23 years of age.

In order to receive a 50% tuition remission, a dependent must gain admission to Jackson State University and complete the Dependent Tuition Remission Form that may be obtained from the Office of Human Resources.

Single dependent children of continuing employees hired prior to July 1, 1977, are eligible for full remission (100%) of undergraduate tuition.

Continued Eligibility – A single, dependent child may receive an undergraduate tuition waiver (consistent with the continued employment of the parent or guardian) which may be continued if the student maintains a 2.5 cumulative grade point average at the institution until the degree requirements for one baccalaureate degree are met or until age 25, whichever comes first.

A dependent may receive undergraduate tuition remission (consistent with the continued employment of the parent or guardian) until the degree requirements for one baccalaureate degree are met. The tuition remission is automatically renewable on a semester-to-semester basis provided a 2.5 grade point average is maintained. (For part-time students, the requirement is 2.5 grade point average on each accumulation of 12 semester hours). In the event the student fails to maintain the required 2.5 grade point average, he/she will be ineligible for the tuition remission until he/she can demonstrate a 2.5 overall grade point average.

DEADLINE: *Beginning of each semester*

OTHER SCHOLARSHIPS AVAILABLE

In addition to University scholarships, other scholarships are made available through the following sources:

JACKSON STATE UNIVERSITY LAUREL ALUMNI CLUB SCHOLARSHIP

The Jackson State University Laurel Alumni Club provides annually three or more tuition scholarships for students from Laurel, Mississippi. These scholarships are awarded annually to students designated by the Laurel Club on the basis of scholastic achievement and need.

ARMY R.O.T.C. SCHOLARSHIPS

Four-Year Scholarships. This four-year scholarship is for selected outstanding high school students who are interested in a military-service career. The scholarship provides for payment of tuition, fees, books, and subsistence allowance of \$150 per month for four years. Jackson State will pay room and board for four years.

Three-Year and Two-Year Scholarships. This scholarship program is for selected, outstanding freshman and sophomore students who are interested in a service career. The scholarship provides for payment of tuition, fees, books, and a subsistence allowance of \$150 per month for the number of years indicated.

AIR FORCE R.O.T.C. SCHOLARSHIPS

Historically Black Colleges and Universities Scholarship Program (HBCU): The Historically Black Colleges and Universities (HBCU) Scholarship program offers two different scholarship opportunities for cadets attending HBCUs. Both the regular and enhanced HBCU scholarships are capped at \$18,000

per year for tuition, an annual \$900 textbook allowance, and a nontaxable monthly stipend ranging from \$300 - \$500.

HBCU and Enhanced HBCU SCHOLARSHIP are 2 to 3½ year offers scholarships. These scholarships may be offered to all fully qualified applicants who meet the scholarship requirements. Jackson State University's Air Force ROTC Department Chair can offer up to fifteen 3.5-year (i.e., activate in the middle of freshman year) scholarships through the Enhanced HBCU scholarship program. There are an unlimited number of 2-3 year HBCU scholarships available for qualified applicants. The processing for scholarships are completed at Jackson State University's AFROTC detachment..

High School Scholarships: Air Force ROTC offers high school graduates 3- and 4-year scholarships to Jackson State University:

- Type 1 – pays full college tuition, most fees and an annual \$900 textbook allowance
- Type 2 – pays college tuition and most fees up to \$18,000 and an annual \$900 textbook allowance

High School Scholarship Deadlines: The application must be submitted on-line by December 1. Support materials for the application, such as transcripts, ACT/SAT scores or recommendations, must be postmarked by mid-January of the applicant's senior year. The web site is: <http://www.afrotc.com/>.

In-College Commander's Leadership Scholarship: Air Force ROTC's Department Chair receives one In-college leadership scholarship each fall to award to an AS 100 cadet (freshman AFROTC student). This scholarship is valued at \$18,000 for tuition. GPA must be a 2.50 and the scholarship begins the spring semester for 3½ years.

In-College Scholarship Phase I Program: Air Force ROTC's Department Chair submits AS 100 and AS 200 cadets (freshman and sophomore AFROTC students) based on cadet ranking to Headquarters AFROTC Scholarship Board for Phase I In-College Scholarship selection.

In-College Scholarship Phase II Program: Air Force ROTC's Department Chair submits AS 100, AS 200, and AS 300 cadets (freshman and sophomore AFROTC students) and non-AFROTC freshmen and sophomore students may apply and compete for this Headquarters AFROTC Scholarship Board for Phase I In-College Scholarship selection.

Engineering and Technical Majors Scholarship: Scholarships are available for Engineering, Chemistry, Computer Science, Mathematics, Physics, and Meteorology majors. Scholarship length is 2 to 3½ years. GPA requirement is 2.50. Scholarships are capped at \$18,000 per year for tuition, an annual \$900 textbook allowance, and a nontaxable monthly stipend ranging from \$300 - \$500.

Foreign Language Majors Scholarship: Scholarships are available for selective foreign language majors (Arabic, Chinese–Mandarin or Cantonese, Persian–Dari or Farsi, Hindi, Indonesian, Japanese, Pashtu, Russian, Turkish, Urdu, Punjabi, Azerbaijani, Bengali, Cambodian, Hausa, Kazakh, Kurdish, Malay, Serbo-Croatian, Swahili, Thai, Uighur, Uzbek, and Vietnamese). Graduation date must be 2010 through 2012. Scholarships are capped at \$18,000 per year for tuition, an annual \$900 textbook allowance, and a nontaxable monthly stipend ranging from \$300 - \$500.

ADDITIONAL INFORMATION: All Air Force ROTC scholarship recipients receive a nontaxable monthly stipend ranging from \$300 - \$500 and an annual textbook allowance of \$900.

Basic Eligibility Scholarship Requirements

- Be a United States citizen
- Pass the Air Force Officer Qualification Test
- Pass the AFROTC Physical Fitness Test
- Have at least a 2.50 cumulative college GPA
- Not already be a contracted scholarship recipient
- Meet the age, moral, medical, and other scholarship eligibility requirements for Air Force ROTC
- Have completed at least 12 semester hours of college work by the end of the first term

AEROSPACE STUDIES HONORS AND AWARDS (AFROTC)

Armed Forces Communications and Electronics Association Honor Certificate
 Military Officers Association of America Award
 Scottish Rite Award
 Daughters of Founders and Patriots of America Award
 Sons of the American Revolution Award
 Military Order of World Wars Medal
 American Veterans Award
 United States Automobile Association Sprit Award
 American Legion Scholastic Excellence Award
 American Legion General Military Excellence Award
 Freedom Foundation Valley Forge Patriots Award
 Air Force Cadet Officer Mentor Action Program Award
 AFROTC Expect Marksmanship Award
 Academic Honors Award
 Physical Fitness Award
 Warrior Spirit Award
 Honor Flight Award
 Warrior Flight Award
 AFROTC Meritorious Service Award
 AFROTC Commendation Award
 AFROTC Achievement Award
 College Scholarship Recipient Award

SPECIAL HONORS AND AWARDS

Special honors and awards are conferred annually in recognition of scholastic excellence, outstanding leadership and character, and unusual talent and ability. In some cases financial need is also considered. The University sets aside one day each spring semester for the special recognition of honor students and their families.

ACADEMIC AFFAIRS SPECIAL AWARDS:

**BUSINESS
EDUCATION
PUBLIC SERVICE
SCIENCE, ENGINEERING AND TECHNOLOGY
LIBERAL ARTS
LIFELONG LEARNING**

Six special awards are presented annually by the Office of Academic Affairs in recognition of outstanding achievement in the areas of Business, Education, Public Service, Science, Engineering and Technology, Liberal Arts, and Lifelong Learning.

ACADEMIC AFFAIRS SCHOLAR-ATHLETE AWARD

This award is presented by the Office of Academic Affairs for outstanding achievement in academics and athletics.

CLASS OF 1959 AWARD

A cash award established by the class is presented annually to a student who exhibits a high order of personal living, high scholastic ability, and need for financial assistance.

DANSBY-BOND AWARD

The Dansby-Bond Award was established in 1940, the year in which the University was transferred from private control to the state system of higher education. It was established in honor of two men, Dr. B. B. Dansby, who served the University as teacher of mathematics, dean, and president for a continuous period of forty years, and the Honorable W. F. Bond, Chairman of the Corporate Body of Trustees for Jackson College, and State Superintendent of Education. Both men were responsible for the survival of the University during the years of the depression, when the financial support of the church was withdrawn, and for the transfer of the school to the state system of higher education and the state financial support that came with the transfer. To this

date, the award is made possible by the \$1,000 legacy to the University at the time of the transfer, legacy accumulated over the years from gifts of alumni, students and friends of the University. The Dansby-Bond Award is given each year to a student whose life represents the highest embodiment of the University in character, leadership ability and initiative. No student is eligible who is not deserving of financial aid and who has not spent at least one year in attendance at Jackson State University.

H. T. SAMPSON AWARD IN MATHEMATICS

Upon faculty recommendation, this award is given to a mathematics major of sophomore or more advanced standing. The student's high academic performance and leadership ability are the bases of selection for this award.

JACOB L. REDDIX TUITION AWARD IN MATHEMATICS

This award is made possible through the Jacob L. Reddix Scholarship Fund, established in 1966 in honor of Dr. Jacob L. Reddix who served as President of Jackson State University for twenty-seven years (1940-1967). The recipient of this award must be enrolled as a full-time student at this University and have sophomore or junior standing. He or she must be matriculated in the area of mathematics and must demonstrate the ability to complete the chosen program of study.

THE JOHN A. PEOPLES, JR. DISTINGUISHED AWARD

Established in 1987 in honor of Dr. John A. Peoples, Jr., sixth President (and first Jackson State University alumnus to be president) of Jackson State University, this annual award of \$1,000.00 is designated to support the recruitment of academically talented high school students and encourage their pursuit of careers in the mathematical sciences. The selection criteria include high ACT score, cumulative grade point average of 3.8 or above, and major in mathematics or science.

MISSISSIPPI SOCIETY OF CERTIFIED PUBLIC ACCOUNTANTS AWARD

This is an annual award in the form of a plaque, given to a graduating senior in the Department of Accounting, who in the eyes of the faculty has strong potential for reaching the heights of the career goal.

R.O.T.C. AWARD

Each year the outstanding ROTC cadets in each class are selected on the basis of leadership, scholarship, and military aptitude. These cadets are awarded decorations, and their names are engraved on appropriate plaques permanently displayed in the Department of Military Science. These plaques and decorations are donated by local civic and veterans organizations. Additional awards for academic and leadership achievements are presented by local business firms, individuals, campus military, societies, active and reserve components of the United States Army and the Department of Military Science.

GENERAL MOTORS/EQUAL EMPLOYMENT OPPORTUNITY COMMISSION ENDOWED SCHOLARSHIP PROGRAM

The General Motors/Equal Employment Opportunity Commission Endowed Scholarship Program is designed to provide scholarships for General Motors employees and their spouses and children who meet institutional requirements for scholarship aid. Minorities and women are eligible for consideration in instances where there are no General Motors-related applicants. Selection is based on admissions test scores and grade-point average.

ROSA C. ROBINSON MEMORIAL SCHOLARSHIP

The Rosa C. Robinson Memorial Scholarship honors the memory of Jackson State University alumna and long-time educator, Rosa C. Robinson. It is awarded to an academically-talented student with a demonstrated need for financial aid.

DESSIE C. NEWTON SCHOLARSHIP

The Dessie C. Newton Scholarship is designed to encourage and support the recruitment and training of dedicated and committed elementary school teachers. Established by and named for Jackson State University alumna Dessie C. Newton, the scholarship assists the Jackson State University College of Education and Human Development in the recruitment of students who show promise as elementary school teachers and have demonstrated a desire to teach.

CHARLES F. MOORE ENDOWED SCHOLARSHIP FUND

The Charles F. Moore Endowed Scholarship is awarded annually to students enrolled full time in the College of Business in all

classifications: Freshman, Sophomore, Junior or Senior. Established in 1987, the scholarship honors the late Mr. Charles F. Moore of Chicago, Illinois, a distinguished JSU alumnus and successful entrepreneur. The recipient of the scholarship is selected by the Student Scholarship Committee in consultation with the Charles F. Moore family or designee.

WHO'S WHO AMONG STUDENTS IN AMERICAN UNIVERSITIES AND COLLEGES

Each year the Office of the Vice President for Academic Affairs sponsors Jackson State University's participation in the national recognition of outstanding college students cited by Who's Who Among Students in American Universities and Colleges. Students who are chosen for this recognition will appear in the annual national directory of Who's Who and will be eligible to utilize the organization's reference and placement services.

Jackson State students receiving this recognition are recommended to the national organization by the University's Academic Honors Council. Early in each fall semester, the Academic Honors Council invites faculty and staff to submit written recommendations for students whom they feel are deserving of this award. The Academic Honors Council reviews all recommendations and makes the final selection based upon the following criteria: scholarship, leadership, campus and community service, citizenship, and future potential.



ACADEMIC REGULATIONS

STUDENT RESPONSIBILITIES
GENERAL PHILOSOPHY ON ACADEMIC RECORDS
THE ACADEMIC YEAR
STUDENT ACADEMIC LOAD
SEMESTER HOUR
GRADES AND QUALITY POINTS
ACADEMY HONESTY
CLASSIFICATION OF STUDENTS
THE COURSE NUMBERING SYSTEM
REGISTRATION
WITHDRAWAL FROM THE UNIVERSITY AND CLASS
AUDITING COURSES
MID-TERM GRADE REPORTING
SCHEDULE CHANGES
NAME AND ADDRESS CHANGE
SCHOLASTIC RECOGNITION
CLASS ATTENDANCE POLICY
ACADEMIC ADVISEMENT
ACADEMIC STANDARDS
PETITION TO REPEAT A COURSE POLICY
STUDENT ACADEMIC GRIEVANCE PROCEDURE
TRANSCRIPTS
TRANSFER OF CREDITS
MAJOR
AREAS OF CONCENTRATION
GRADUATION REQUIREMENTS
REQUIREMENTS FOR A SECOND BACCALAUREATE
DEGREE
DUAL DEGREE REQUIREMENTS
UNDERGRADUATE DEGREE PROGRAMS
GRADUATE DEGREE PROGRAMS

STUDENT RESPONSIBILITIES

Jackson State University provides academic counseling for all enrolled students. Students are responsible, however, for selecting and registering for courses necessary for reasonable progress toward the selected degree and for following all requirements for the major department and school in which they are enrolled.

Requirements refer to those policies in effect at the time the student is admitted. Effective with the 1991 fall semester, continuously enrolled students who fail to meet graduation requirements within seven years from the date of their first admission, must meet the requirements in effect at the time of their scheduled graduation rather than those which were in effect at the time of their entrance. A transfer student should follow the JSU catalog which was in effect at the time the student was admitted to an accredited institution provided the catalog is not more than seven years old at the time of the student's scheduled graduation. If so, then the student must meet the requirement in effect at the time of their scheduled graduation.

Students readmitted to Jackson State University whose circumstances are not addressed in the preceding provisions must meet the graduation requirements in effect at the time of their readmission.

Each student is responsible for knowing the academic regulations in the University catalog and the student handbook. Unfamiliarity with regulations does not constitute a valid reason for failure to carry out this responsibility.

GENERAL PHILOSOPHY ON ACADEMIC RECORDS

Jackson State University maintains a permanent academic record for each student enrolled. The Permanent Academic Record contains those grades received from course work completed at Jackson State University along with any transfer of courses and credits from any other accredited institution of higher learning that is used by JSU to fulfill the degree requirements. All records are confidential. Academic records are considered property of the University. Opportunities are provided for students to inspect and to control the release of information contained in their records in accordance with the Family Education Rights and Privacy Act (FERPA) of 1974.

The purpose of FERPA is to afford certain rights to students concerning their education records. The primary rights afforded are the right to inspect and review the education records, the right to seek to have the records amended, and the right to have some control over the disclosure of information from those records. The Act applies to all education records maintained by JSU which are directly related to a student. Records containing a student's

name, social security number or other personally identifiable information are covered by FERPA.

The Retention and Disposal of Student Records: The Office of the Registrar and Records currently maintains academic records for students previously and currently enrolled. Academic records are stored on the mainframe computer located in the Office of Information Management with systems backup conducted nightly. Academic records that are not retrievable through computer access are stored on microfilm as well as a CD-ROM document imaging system located in the Registrar's Office. An additional copy of the microfilm, and CD-ROM disks are maintained at an off-site location, with duplicate copies of microfiche being stored in a steel vault located in the Office of Information Management.

Once the information contained in the academic record has been electronically reproduced, the hardcopy document may be destroyed. However, the contents of those records can be reproduced at such time that the student requests personal examination or disclosure of the academic record be forwarded to another institution of higher learning, a potential or present employer, or any person or persons so designated by the student. The student must make a written request to have the academic record released. The academic record is generated and printed on transcript security paper which prevents duplicating or printing an official copy outside the Office of the Registrar and Records.

THE ACADEMIC YEAR

The academic year is divided into two semesters with a minimum of sixteen weeks each. In addition to the two semesters of the academic year, the University offers a **ten-week summer session divided into two five-week terms** during the summer. Students are admitted each semester and summer term.

STUDENT ACADEMIC LOAD

The minimum load for a full-time undergraduate is 12.00 semester hours of credit. The maximum load is 19.00 semester hours of credit. An average undergraduate semester load is 15.00 semester hours of credit. To enroll for more than 19.00 semester hours, students must obtain special permission, prior to registration, from the Dean of the College in which they are enrolled. The minimum load for a full-time undergraduate during each summer session is 6.00 semester hours of credit. The maximum load is 19.00 semester hours for the whole summer term.

SEMESTER HOUR

A semester hour is the term used to describe the number of credits received by the student for successfully completing a specific

course. A semester hour is one fifty-minute period of lecture per week or a minimum of two fifty-minute periods of laboratory or studio work per week for one 16-week period or its equivalent. The semester hour credit given a course is not necessarily equal to the actual number of clock hours spent in class. This applies particularly to courses in the sciences and fine arts where laboratory or studio sessions are scheduled in addition to regular class lectures.

GRADES AND QUALITY POINTS

Grade point averages are determined on a 4.00 scale. Students with cumulative grade point averages of 2.00 or better are in good academic standing. Those falling below the 2.00 average are placed on academic probation. Transfer grades are not counted in computing the Jackson State University grade point average.

The following are letters used to designate a student's standing in a course:

A-Excellent	4 quality points per credit
B-Good	3 quality points per credit
C-Fair	2 quality points per credit
D-Poor	1 quality point per credit
F-Failure	0 quality points per credit
S-Satisfactory progress	4 quality points per credit
U-Unsatisfactory progress	0 quality points per credit
P-Pass	0 quality points
IP-In Progress (Graduates only)	0 quality points
R-Repeated Course	0 quality points
I-Incomplete	0 quality points

Incomplete is the term used to indicate failure to complete assignments, absence from final or other examinations, or other course work not completed by the end of the semester. The grade of "I" (Incomplete) indicates that the student has not completed the course for some unavoidable reason that is acceptable to the instructor. The deficiency must be removed and the grade changed by the instructor within the first six (6) weeks of the next semester the student is in residence. Whether or not the student is in residence, the deficiency must be made up within one calendar year from the date the grade of "I" was given.

If the student fails to complete the course work within the specified time, the alternate grade submitted by the instructor's grade sheet will be recorded as the grade of record. If no alternate grade is submitted by the instructor, the default grade will be an "F". **Students with questions regarding the accuracy of grades should contact the instructor of record.**

W – Authorized Withdrawal—indicates that a student has withdrawn from class during the first 25 days of classes where no basis for evaluation has been established.

- WP –** Authorized Withdrawal, Passing—indicates that a student has withdrawn from the University after the first 25 days of classes, but before the last 10 days of classes during a semester or summer session. The student was making satisfactory progress at the time of withdrawal as recorded by the instructor of record.
- WF –** Authorized Withdrawal, Failing—indicates that a student has withdrawn from the University after the first 25 days of classes, but before the last 10 days of classes during a semester or summer session. The student was making unsatisfactory progress at the time of withdrawal as recorded by the instructor of record.
- AU –** Audit—indicates that a student registered on an audit basis for which no letter grade or credit hours are given. The course will be recorded on the transcript with the notation of “AU.”

ACADEMIC HONESTY

To make perfectly clear that Jackson State University expects and insists that students are honest in their efforts to obtain an education at the University, any student found to be dishonest in acquiring, using or reporting information, or in any other manner be violating established academic codes of conduct will face a stiff penalty for the assignment/requirement in question.

Students must be honest in all their endeavors of academic matriculation at Jackson State University. Cheating, plagiarism, or any other act of academic dishonesty will not be tolerated. In cases where evidence is sufficient to establish that a student cheated or was otherwise dishonest in completing a test, paper, report, etc., the penalty will range from repeating the assignment to expulsion from the University.

Procedures:

- The instructor discusses with the student any evidence of dishonesty with tests, assignments, or other requirements and the resulting consequences (e.g., based on documented sound evidence, the instructor may require the student to repeat the assignment, complete an alternate assignment, or record a reduced grade of “F” for the assignment; based on circumstantial evidence, the instructor may talk with the student about the importance of honesty in the academic environment).
- The student is expected to accept established consequences for acts of dishonesty and hopefully, pledge to refrain from committing any further acts of dishonesty. In the face of circumstantial evidence, it is expected that the student will show the instructor respect in discussing the matter and come to understand the importance of avoiding the appearance of dishonesty.
- If the student disagrees with an instructor’s charge of academic dishonesty and the subsequently imposed penalty, the student must make a written appeal to the department chair for relief.
- The chair, in consultation with appropriate individuals or through a committee structure, secures documentation of dishonesty, determines if the charge is valid and/or the penalty is reasonable, or if the evidence is suspect and the charge and penalty should be dropped. The chair submits a written response to the student within ten days.
- If the student disagrees with the chair’s decision, the student will submit a written appeal to the college dean within ten days.
- The dean provides the final written response within ten days, which may be done with committee input and/or in consultation with the Vice President for Academic Affairs.
- Students who commit repeated acts of dishonesty may be referred to Student Life with a recommendation for suspension from the University.

NOTE: In any case of alleged academic dishonesty, the disciplinary process should be initiated within ten days and handled in a professional manner.

CLASSIFICATION OF STUDENTS

Students are classified according to the total number of hours earned.

Freshman.	0 - 29 semester hours
Sophomore.	30-59 semester hours
Junior	60-89 semester hours
Senior.	90 or more semester hours

Students may also be classified by class load (full-time or part-time), objective (degree or special non-degree), and by year or class.

By Class Load—A student is a full-time undergraduate student if he/she carries 12.0 or more semester hours of credit per semester. The full-time credit hour load in a ten-week summer term is twelve (12) semester hours of credit. A student may earn six (6) or more semester hours each five-week summer session.

By Objective—A degree student is one whose immediate educational objective is such that his/her program consists wholly or principally of work normally creditable toward a Jackson State University degree.

A non-degree student is one who is not pursuing a degree program. Such students are either students who have not declared a major or students and graduates with previous college credit:

- who do not want degree status;
- whose applications for degree status are incomplete;
- who are not eligible for degree status;
- who are working towards teacher certification;
- who are workshop applicants; or
- who are visiting (transient) summer school students.

A visiting (transient) student is one who is enrolled at the University with the sole intention of using credits earned toward graduation elsewhere.

THE COURSE NUMBERING SYSTEM

Courses numbered **001-099** include developmental and non-credit courses. Courses numbered **100-199** are freshman-level courses; **200-299** are sophomore-level courses; **280-299** are lower-division numbers used as follows: **280**, individual research courses; **283**, directed reading courses; **286**, practicum courses; **289**, intern courses; **292**, workshops, festivals, institutes; **295**, field trips; **299**, seminars. Courses numbered **300-399** are junior-level course designations. Courses numbered **400-499** are senior-level course designations. Courses **480** through **499** are used as follows: **480**, individual research courses; **483**, directed reading courses; **486**, practicum courses; **489**, intern courses; **492**, workshops, festivals, institutes; **495**, field trips; **499**, seminars. Courses numbered **500** and above are graduate-level courses.

REGISTRATION

Students must be admitted officially and pay the fee assessed in order to complete courses at Jackson State University. Registration dates and instructions are shown in the University Calendar. Students are required to report on time for registration and to follow the registration schedule. Students who register late are charged fees of \$70.00, \$105.00, and \$145.00 **in accordance with dates printed in the registration schedule**. In no case is credit allowed for a course in which the student is not officially registered. **Students are encouraged to register and pay fees during the Registration period.**

WITHDRAWAL FROM THE UNIVERSITY AND CLASS

Formal withdrawal from the University is processed through the Office of the Vice President for Student Life. No withdrawal from the University is official until the student has processed the appropriate forms. The effective date of withdrawal is the date the formal application is filed in the Office of the Vice President for Student Life. A student who leaves the University without filing

a statement of formal withdrawal is given the grade which the record warrants in all courses in which he/she is enrolled.

A student may withdraw from a course within the first 25 days following registration. Grades will be recorded in accordance with the schedule listed in this section. Registration dates are printed in the Official Course Schedule Booklet, also available online.

Neglecting attendance in classes or merely giving notice to instructors will not be considered as official notice of withdrawal. An unofficial withdrawal may result in failure in the course. Class changes which place a student below full-time status will unfavorably affect veteran subsistence, financial aid, and eligibility for other academic recognition.

Number of Days* After The Beginning of Registration	Withdrawal From Class or University	Grade Awarded
FALL/SPRING SEMESTER		
0-21 Days	Class/University	No Grade
22-10 Days prior to End of Semester	Class/University	"W" Grade
SUMMER SESSION		
0-8 Days	Class/University	No Grade
9-10 Days prior to End of Semester	Class/University	"W" Grade
*Class Days (Monday - Friday)		

AUDITING COURSES

Students are permitted to audit courses provided they have approval from their college dean and have been processed properly through the Office of the Registrar and Records.

Auditors do not receive grades and are not required to participate in course examinations. Otherwise, conformity to regular classroom decorum is the same as that required for all students. Students choosing to audit courses must be admitted to the University, enroll in the courses using current registration procedures and pay the same tuition fee as regular enrollees. The course will appear on the student's transcript with the notation of "AU." Students may adjust audit status only during the scheduled

dates for registration. The deadline for withdrawing from an audit course is the same as the withdrawal for other courses.

MID-TERM GRADE REPORT

At the end of the seventh week of the regular semester, instructors will submit mid-term grades via the BANNER Student System for all students. Mid-term grades can be viewed through the University website: www.jsums.edu and clicking J.S.U. PAWS. The instructor will not have the option to assign an “I” grade during this process.

SCHEDULE CHANGES (COURSE ADD/DROP)

Freshman, sophomore, and honor students should consult with their respective advisor in the Division of Undergraduate Studies and the Honors College before dropping/adding a class. Junior-, senior-, and graduate-level students should consult with their major department chairs. A fee of \$25.00 is charged for each transaction day. All course add/drop forms are processed via the Internet (www.jsums.edu), or the academic advisor in accordance with the University withdrawal policy.

NAME AND ADDRESS CHANGE

A student who has had a change in name after his/her last registration must provide the University with the appropriate documentation which substantiates the legal name change. This must be submitted to the Office of the Registrar and Records prior to the student's next registration. Registration under a name different from that used in the student's last enrollment cannot be accomplished without appropriate documentation, which becomes a part of the student's permanent file. All grade reports and transcripts are issued under the student's legal name as recorded in the Office of Undergraduate Admissions and the Office of the Registrar and Records.

A student who has had a change of address after his/her last registration must provide the University the new address by completing the appropriate form. This form may be secured from the Office of the Registrar and Records. All transcripts will be mailed to the location of the new address.

SCHOLASTIC RECOGNITION

Scholastic recognition is awarded to students who demonstrate high academic scholarship and achievement.

The President's List

The President's List is composed of those students who, during a

regular semester, complete a minimum of fifteen (15) semester hours with a semester grade point average of 4.00.

The Dean's List

The Dean's List is composed of those students who, during a regular semester, complete a minimum of fifteen (15) semester hours with a semester grade point average of 3.00 to 3.99.

Graduation with Distinction

A student with an institutional cumulative grade point average between 3.20 and 3.49 is graduated cum laude; between 3.50 and 3.79, magna cum laude; and between 3.80 and 4.00, summa cum laude. To graduate with distinction, the student must have acquired the above grade point averages at the end of the semester prior to the semester of graduation. A transfer student is eligible to be considered for honors provided (1) the student has earned a minimum of 48 semester hours at Jackson State University prior to the semester of graduation; (2) the student maintains a 3.20 or higher grade point average for the course work completed at Jackson State University.

Transfer students must achieve the specified quality-point average on all hours attempted at Jackson State University, excluding the last period of enrollment (fall, spring, summer). The level of attainment will be determined by the overall average at Jackson State University. Quality points from other institutions are not included in computing grade point averages for honors. Students who already hold a baccalaureate degree are not eligible for this distinction.

CLASS ATTENDANCE POLICY

Students at Jackson State University must fully commit themselves to their program of study. One hundred percent (100%) punctual class attendance is expected of students in all scheduled classes and activities. Instructors maintain attendance records and any absence for which a student does not provide written official excuse is counted as an un-excused absence. Students must understand that **EVEN WITH AN OFFICIAL EXCUSE OF ABSENCE, THEY (STUDENTS) ARE RESPONSIBLE FOR THE WORK REQUIRED DURING THEIR ABSENCE.**

Students may be officially excused from class for attendance at University approved functions, provided the sponsor properly executes a Student Life Leave Form. Such excuses shall be accepted by the instructor. Students may also be officially excused by the Dean of their College or the Vice President for Student Life for certain campus activities. Students must submit written documentation to Student Life to obtain official excuses for absences due to illness or other emergency situations.

Students who willfully miss class face serious consequences. After being absent three times in a 50-minute class, three hours in a class that meets longer than one hour, or one time immediately before or after a scheduled recess/holiday, the instructor shall report the next un-excused absence to the Division of Undergraduate Studies for freshmen and sophomores and to the college dean and department chair for juniors and seniors. The dean/chair or designee will counsel with the student and in concern with the instructor, may require the student to complete complementary course assignments. If a student does not respond well to the counsel or with the assignments, the instructor may impose a grade penalty on the student. Un-excused absences that exceed the equivalency of six 50-minute sessions may lead to an "F" for the course. Students who do not maintain the minimum grade point average required for retention over two semesters may be academically suspended from the University.

At the discretion of the college dean and with approval of the Office of the Vice President for Academic Affairs and Student Life, there may be additional class attendance policies stipulated in college handbooks and other official institution documents.

ACADEMIC ADVISEMENT

All students at Jackson State University are encouraged to take full advantage of the flexibility of academic planning and to seek the advice of the faculty and staff. Freshman and sophomore students are directed to the Division of Undergraduate Studies; junior, senior, and graduate students are directed to their major departmental advisors. Students enrolled in the Honors College are directed to that College for academic advice. Each student is encouraged to obtain academic advice prior to each registration period in addition to scheduling periodic conferences during the semester to discuss academic program planning and progress. A student must follow the curriculum of the catalog under which he/she entered the University.

ACADEMIC STANDARDS

A minimum grade point average of 2.00 on the 4.00 scale is required by all students to meet degree requirements.

Retention and Suspension

Academic Warning: A student is placed on academic warning when the student's cumulative grade point average is less than 2.00. The student may be removed from this status when the cumulative grade point average of 2.00 or better is achieved. Students who are on academic warning are encouraged to take no more than 13 hours per semester and to take 6 hours during the summer term. They must adhere to the following suggestions to improve their grade point average:

1. Confer with appropriate major departmental advisor.
2. Use the Petition to Repeat A Course Policy, to repeat courses in which grades of "D" and "F" were earned. Note that repeated courses are automatically flagged and the grade calculation is removed from the repeated course. Only the course with the highest grade is calculated into the grade point average.
3. Increase library study hours.
4. Schedule sessions with tutors provided within the various academic units and within University College.

Academic Probation: A student whose cumulative grade point average falls below the minimum required for retention is placed on probation for the following semester.

Academic Suspension: A student on probation who does not earn the academic average required for retention for a period of two semesters is placed on suspension for one academic year. An appeal for waiver of suspension because of unusual circumstances should be made through the student's academic departmental advisor, and college dean. The final decision is made by the Office of Academic Affairs.

Retention: The following policy became effective in the fall of 1992. Undergraduate students are permitted to continue studies at Jackson State University as long as they maintain the following minimum grade point average required for retention.

Grade Point Average Hours (including transfer)	Minimum Cumulative GPA Required
0 - 29	1.50
30 - 59	1.75
60 - 89	1.80
90 - 107	1.90
108 and above	2.00

For retention purposes, GPA hours will include credits taken at Jackson State University and credits that have been accepted from other institutions. The grade point averages for retention will be computed only on GPA hours at Jackson State University. GPA hours are the number of credit hours used in calculating the grade point average (i.e., Grades of A, B, C, D, F, S, U).

In many cases a higher minimum grade point average specified by colleges within the University must be maintained in addition to the requirements listed above.

Reinstatement

Students who are suspended for poor academic performances may be readmitted on probation. A student desiring reinstatement

must send a formal letter of application to the Admissions and Credits Committee. The letter of application must include convincing evidence that the student's cause for making poor academic progress has been corrected or that the extenuating circumstances which affected academic progress have been corrected.

The student's letter of application must be received at least twenty (20) days prior to the semester or summer term for which the student seeks re-admission. The Admissions and Credits Committee will inform the student of the final disposition of the letter of application.

Academic Second Chance

Policy Statement: An undergraduate student, previously enrolled at Jackson State University who has not been enrolled in any post secondary education institution since leaving Jackson State may be eligible for matriculation under the Academic Second Chance Policy. The Academic Second Chance option must be requested within the first or second semester of re-admission. Student may use this option ONE time.

1. Student must have been separated from the University for a minimum of twelve (12) consecutive months.
2. All academic credit hours and grades earned during previous enrollment at Jackson State will remain on the student's transcript:
 - a. Academic credit hours with grades of "C" and above may be used to meet degree requirements.
 - b. Academic credit hours with grades of less than "C" will not be used in the computation of the student's grade point average.
3. Student must meet all degree requirements that are in effect at the time of re-admission to Jackson State University.
4. **Student Responsibilities –**
 - a. Obtain an official notification of re-admission from the Office of Undergraduate Admissions.
 - b. Where appropriate, verify financial aid status in the Office of Financial Aid.
 - c. Obtain an application Academic Second Chance from the Office of the Registrar and Records.
 - d. Develop a program of study in consultation with an advisor in your major department.
 - e. Complete the application for Academic Second Chance.
 - f. Obtain signature of department chair in major area, major academic advisor, and the college dean.
 - g. Submit completed application and two letters of recommendation to the Office to the Registrar and Records. (The letters of reference should be from faculty who can speak to your potential to improve academic performance.)

- h. Develop a schedule and attend weekly meetings with an academic advisor for monitoring and tracking purposes.
- i. Develop a schedule and attend tutoring sessions for classes where difficulties are experienced.

Academic New Start

Policy Statement: An undergraduate student, previously enrolled at Jackson State University who has not been enrolled in any post secondary education institution since leaving Jackson State may be eligible for matriculation under the Academic New Start Policy. The Academic New Start option must be requested within the second semester of re-admission. Student may use this option ONE time.

Under this Option –

1. Student must have been separated from the University for minimum of sixty (60) consecutive months.
2. Academic New Start option must be requested within the second semester of re-admission after a minimum of twelve (12) semester hours have been completed with a minimum cumulative grade point average of 2.0.
3. All academic credit hours and grades earned during previous enrollment at Jackson State will remain on the student's transcript but will not be counted toward degree requirements.
4. Student must meet all degree requirements that are in effect at the time of re-admission to Jackson State University.
5. **Student Responsibilities –**
 - a. Obtain an official notification of re-admission from the Office of Undergraduate Admissions.
 - b. Where appropriate, verify financial aid status in the Office of Financial Aid.
 - c. Obtain an application for Academic New Start from the Office of the Registrar and Records.
 - d. Develop a program of study in consultation with an advisor in your major department.
 - e. Complete the application for Academic New Start.
 - f. Obtain signature of department chair in major area, major academic advisor, and the college dean.
 - g. Submit completed application and two letters of recommendation to the Office of the Registrar and Records. (The letters of reference should be from faculty or staff who can speak to your potential to improve academic performance.)
 - h. Develop a schedule and attend weekly meetings with an academic advisor for monitoring and tracking purposes.
 - i. Develop a schedule and attend tutoring sessions for classes where difficulties are experienced.

REPEAT A COURSE POLICY (Undergraduate Students Only)

For all undergraduate students at Jackson State University who repeat a course(s), the highest grade earned will be used in calculating the grade point average. However, the semester hours for the repeated course will remain as a part of the attempted hours.

1. To repeat a course in which a low grade has been recorded, a student must register for the same course.
2. Petitions will be automatically processed and the highest grade for the course is maintained.
3. A course repeated for the purpose of replacing a low grade must be taken at Jackson State University.
4. The grade for the most recently repeated course will be computed in the cumulative grade point average. However, all grades earned will be retained on the student's official transcript.

STUDENTS ACADEMIC GRIEVANCE PROCEDURE

The objective of the Grievance Procedure is to create and sustain an academic environment that permits students to freely express concerns or reveal complaints about their education and the educational process and to have their concerns and complaints addressed swiftly and forthrightly.

Students enrolled at Jackson State University may register a concern or complaint about any academic regulation, the instructional program, delivery of the program, grades received, the academic advisement system, or any other matter related to academic affairs, without any adverse action for expressing the concern or filing the complaint. Concerns and complaints will be received, explored or investigated, and responded to in a fair and timely fashion, though students should understand that the final response by the University may not always be the response that they prefer.

Procedures

Classroom Concerns or Complaints (e.g., grades received; improper dismissals; unprofessional behavior):

- Student discusses concern or complaint with the instructor.
- Instructor provides a response (allowing up to five days if investigation is required).
- Complaints unresolved by the instructor or for which the response is unacceptable must be described in writing by the student and submitted to the department chair.
- The chair properly logs and investigates the matter and provides a written response to the student within ten days.

- Issues that are still unresolved must be submitted by the student to the college dean.
- The dean provides the final written response within ten days, which may be done with committee input and/or in consultation with higher-level administrators.

Other Academic Concerns or Complaints (e.g., academic advisement or academic regulations):

- Student discusses the concern or complaint with the academic advisor.
- The advisor provides a response (allow up to five days if an investigation is needed), or refers it to the appropriate official/body, e.g., department chair or Academic Standards Committee, for response within 20 days. The appropriate official/body returns the response to the advisor and the advisor returns it to the student.
- Unresolved concerns or complaints must be submitted in writing by the student to the college dean.
- The college dean provides a written response within ten days, which may be done with committee input and/or in consultation with the Vice President and Associate Vice President for Academic Affairs.
- If the complaint remains, the student will submit it to the Associate Vice President for Academic Affairs for a final response.

NOTE: Academic complaints dating back more than a semester generally will not be investigated.

TRANSCRIPTS

Transcript requests are made in writing and directed to the Office of the Registrar and Records. Transcripts may also be requested online at www.jsums.edu. The transcript is a student's complete and permanent academic record. It shows all undergraduate and/or graduate work completed, results, and degrees awarded at JSU. In addition, a summary of transfer credit is listed and detailed course work may be included. After the last enrollment period, transcript totals are shown. The Office of the Registrar and Records will not release transcripts received from other schools and colleges.

The current cost for each transcript is \$7.50. Checks or money orders should be made payable to Jackson State University. Transcripts can only be released for students having no outstanding financial obligations to the University. Transcripts are also held if the student has incomplete admissions files. Fees are not refunded under any circumstance.

TRANSFER OF CREDITS

1. A maximum of 62 semester hours of credit for courses completed at the freshman and sophomore levels will be

allowed from a community/junior college toward degree requirements. Only college courses in which the grade is “C” or higher will be accepted. Jackson State University does not accept transfer courses with “D” grades.

2. Jackson State University does not accept for credit courses that are classified as remedial or developmental.
3. Students ordinarily receive no transfer credit for courses designed specifically for technical and vocational career programs. The dean of the college concerned should be consulted on questions pertaining to the transfer of credits.
4. After earning 62 semester hours from any accredited institution, a student may not take additional courses at a community/junior college and have them applied toward a degree from Jackson State University.
5. Any course taken for credit at another institution while a student is enrolled at Jackson State University must have prior written permission of the student’s department chair and dean in order for that credit to be accepted toward the fulfillment of degree requirements at Jackson State University.
6. Grades earned in transfer courses may be shown on the permanent record at Jackson State University but will not be used in calculating Jackson State University grade point averages. Transfer credits have a separate grade point average and will be used to calculate the **overall GPA**– and includes the JSU credits plus the transfer credits combined to calculate the overall grade point average.
7. Transfer grades are not used to calculate honors designations at graduation.
8. Normally, Jackson State University allows full credit for a course taken at another accredited institution if a comparable course is offered at Jackson State University. The final evaluation of transcripts is done by the department responsible for the program of study.
9. All students are required to have the last session of residence or its equivalent at Jackson State University and to complete satisfactorily a minimum of 30 semester hours of courses before graduation.
10. A maximum of 93.0 semester hours is transferable from an accredited four year institution.
11. A transient (temporary student who wishes to transfer credits to his/her home institution) or a student who wishes to transfer to another institution must request an official transcript of credits to be issued to that institution in accordance with the transcript policy.

MAJOR

A major is an orderly sequence of specialized courses within an academic discipline that leads to a baccalaureate degree. The requirements for majors vary and are found in the specific academic units responsible for the major. Majors should include a minimum of 30.0 semester hours and usually range from 30-39.0 hours. (These ranges may vary in some degree programs because of national accreditation or professional certification requirements.) A minimum average of “C” in the major is required for graduation. In addition, the academic unit responsible for the major may require the student to repeat any courses required for a major in which a grade below “C” was earned. Some majors are subject to additional admission requirements and enrollment limitations.

To change a major, students should use the official form available at the Division of Undergraduate Studies.

AREAS OF CONCENTRATION

Various areas of concentration are available and are indicated in the sections of the Catalog within the academic units. A concentration generally ranges from 18-21 hours of courses approved by the department in which it is offered.

GRADUATION REQUIREMENTS

Minimum requirements for all undergraduate degrees offered by the University are listed below. In addition, students must meet the specific degree requirements as established by the college or department in which the degree is offered. A minimum of 124.0 semester hours is required for all baccalaureate degrees with the exception of music education and engineering. The curricula published in the announcements of the various colleges outline the requirements for the degrees offered at the University. To complete degree requirements an undergraduate student must:

1. Complete a minimum of 124.0-128.0 semester hours of work. In the College of Business, students must complete a minimum of 121.0 semester hours of work.
2. Satisfactorily complete the curricular requirements in the major field.
3. Earn a cumulative academic average of not less than 2.00 (“C”) in all courses.
4. Earn a cumulative average of not less than 2.00 (“C”) in all courses attempted in major field.
5. Complete, in residence, not fewer than 30.0 semester hours of upper-level course work required in major field.

6. Complete, in residence, the final semester's course work, unless permission is granted otherwise.
7. Take all examinations required by the college responsible for the student's major.
8. Satisfactorily pass the English Proficiency Examination.
9. File an "Application for Degree" electronically via the Online Graduation Clearance Process according to the following schedule: December graduates—beginning April 15; May graduates—beginning September 15; Summer graduates—beginning February 15. Dates are printed in the University Calendar.

NOTE: (1) Degrees may be awarded and post to the Student Information System once he/she completes all academic requirements. However, diplomas and transcripts will not be issued until students have met all University requirements. (2) One hundred twenty (120) hours of community service is required for graduation. To ensure that all requirements are met in a timely manner, it is suggested that students complete a minimum of thirty (30) hours of community service each academic year, students can begin to work toward completion of service hours at the beginning of their first year of enrollment at the university. For additional information, contact the Center for Service and Community Engaged Learning located on the first floor of Reddix Hall.

The deadline for applying and having names printed in the Graduation/Commencement Program booklet is two (2) weeks prior to Commencement. After that time, there is no guarantee that names will be printed. However, any late applicants will be added to the WEBSITE program that can be printed by anyone wanting to have a copy of the program after commencement is over. We will no longer print additional programs with late adds.

The Online Graduation Clearance will remain open for thirty (30) days after each graduation period (i.e., approximates for Spring–June 15th; Summer–August 31st, Fall–January 15th).

Graduation Ceremonies

Commencement exercises are held at the end of the spring semester and at the end of the summer session; degree candidates must be present. In case of unusual circumstances, a student wishing to receive the degree "In Absentia" must apply to the dean of the respective college thirty (30) days prior to the scheduled graduation ceremony. The school dean will recommend to the Vice President for Academic Affairs and Student Life that the degree be conferred in absentia if the application is approved.

Degrees are also awarded at the end of the fall semester but there is no commencement exercises held. Diplomas are mailed in

January to fall degree candidates. Degree candidates are invited back to the following spring exercises if they desire to be a part of commencement exercises.

Student Responsibilities

It is the responsibility of the student to complete all course work and other university requirements for the selected major and degree.

REQUIREMENTS FOR A SECOND BACCALAUREATE DEGREE

Admission to the second baccalaureate degree program is subject to approval by the chairperson of the department and dean of the college in which the degree is being sought.

Students who wish to obtain a second baccalaureate degree from Jackson State University must meet the following criteria:

1. Gain admission to the University.
2. Declare intent to pursue second baccalaureate degree by completing the Application for a Second Baccalaureate Degree. The Application for a Second Baccalaureate Degree may be secured from the Office of Academic Affairs or from the office of the college dean.
3. Develop degree plan with approval of an advisor from the department in which the degree is offered.
4. Complete at least 30.0 semester hours of approved courses beyond the first baccalaureate degree in residence at Jackson State University.
5. Maintain a minimum grade point average of 2.00.

DUAL DEGREE REQUIREMENTS

A student may simultaneously earn two degrees. The student is encouraged to discuss interest in pursuing two degrees with the assigned University advisor. Standard criteria are as follows:

1. Student must have completed a minimum of 32.0 semester hours in residence at Jackson State University, with a minimum cumulative grade point average of 3.0.
2. Student must be registered in one of the colleges. (The College in which the student is initially accepted will be deemed the "home" or "host" college.)

68 \ JACKSON STATE UNIVERSITY

3. Student must be admitted to each college in which a degree is being sought:
 - a. Student must submit a separate Application for Dual Degree along with other required documents to each respective college.
 - b. Student must return completed and signed applications to the Office of the Registrar and Records.
 - c. Degree plans must be developed and approved by an advisor from each of the respective colleges.
 - d. Student must meet requirements and follow procedures of each college.
4. Degree requirements for each major must be met simultaneously. (Meeting the requirements of dual degrees may lengthen completion time of academic programs.)
5. Student must maintain grade point average of 2.00 or higher in each degree program.
6. Student may withdraw from this arrangement at any time prior to the final semester in which the degrees are to be awarded by submitting a formal letter of withdrawal to the Dean of each college in which enrolled.

College of Liberal Arts

School of Communications

English	B.A.
Modern Languages	B.A.
Mass Communications	B.S.
Speech Communication and Theatre	B.A. B.S.

School of Fine and Performing Arts

Art	B.A.
Music Education	B.M.E.
Music Performance	B.M.

School of Social and Behavioral Science

Criminal Justice and Sociology	B.S. B.A.
History and Philosophy	B.A. B.S.
Political Science	B.A.
Psychology	B.S.

College of Lifelong Learning

Professional Interdisciplinary Studies	B.S.
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UNDERGRADUATE DEGREE PROGRAMS

COL/SCHOOL	MAJOR	DEGREE
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College of Business

Accounting	B.B.A.
Business Administration	B.B.A.
Economics	B.B.A.
Entrepreneurship	B.B.A.
Finance	B.B.A.
Management	B.B.A.
Marketing	B.B.A.

College of Education and Human Development

School of Instructional Leadership

Child Care and Family Education	B.S.
Elementary Education	B.S.Ed.
Health, Physical Education and Recreation	B.S.
Social Science Education	B.S.Ed.
Special Education	B.S.

College of Public Service

School of Health Sciences

Communicative Disorders	B.S.
Health Care Administration	B.S.

School of Policy and Planning

Urban Studies	B.A.
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School of Social Work

Social Work	B.S.W.
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College of Science, Engineering and Technology

School of Engineering

Civil Engineering	B.S.
Computer Engineering	B.S.
Computer Science	B.S.
Telecommunications Engineering	B.S.

School of Science and Technology

Biology	B.S.
Chemistry	B.S.
Earth System Sciences	B.S.
Industrial Technology	B.S.
Mathematics	B.S.
Mathematics Education	B.S.Ed.

Meteorology	B.S.
Physics	B.S.

GRADUATE DEGREE PROGRAMS**College of Business**

Accounting	M.P.A.
Business Administration	M.B.A. Ph.D.

College of Education and Human Development**School of Administrative Leadership**

Education	Ed.S.
Educational Administration	Ph.D.
Educational Administration and Supervision	M.S.Ed.
Urban Higher Education	Ph.D.

School of Instructional Leadership

Early Childhood Education	M.S.Ed. Ed.D.
Elementary Education	M.S.Ed. M.A.T.
Health, Physical Education And Recreation	M.S.Ed.
Reading	M.S.Ed. Ed.S.
Rehabilitation Counseling	M.S. M.S.Ed.
Secondary Education	M.S.Ed. M.A.T.
Special Education	M.S.Ed.
Sports Science	M.S.

College of Liberal Arts**School of Communications**

English	M.A.T. M.A.
Mass Communication	M.S.

School of Fine and Performing Arts

Music Education	M.M.E.
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School of Social and Behavioral Science

History and Philosophy	M.A.
Political Science	M.A.
Psychology, Clinical	Ph.D.
Criminology and Justice Services	M.A.
Sociology	M.A.

College of Public Service**School of Health Sciences**

Communicative Disorders	M.S.
Behavioral and Environmental Health	M.P.H. Dr.P.H.
Epidemiology and Biostatistics	M.P.H. Dr.P.H.
Health Policy and Management	M.P.H. Dr.P.H.

School of Policy and Planning

Public Administration	Ph.D.
Public Policy and Administration	M.P.P.A. M.A. Ph.D.
Urban and Regional Planning	

School of Social Work

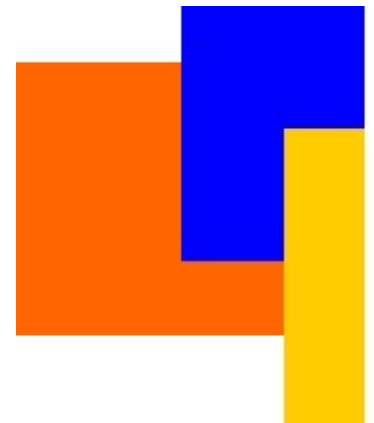
Social Work	M.S.W. Ph.D.
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College of Science, Engineering and Technology**School of Engineering**

Computer Science	M.S.
Engineering	M.S.

School of Science and Technology

Biology	M.S. M.S.T.
Chemistry	M.S. Ph.D.
Environmental Science	M.S. Ph.D.
Hazardous Waste Management	M.S.
Technology Education	M.S.Ed.
Mathematics	M.S.
Mathematics Education	M.S.T.
Science Education	M.S.T.



ACADEMIC PROGRAMS

DIVISION OF UNDERGRADUATE STUDIES

COLLEGE OF BUSINESS

COLLEGE OF EDUCATION & HUMAN DEVELOPMENT
SCHOOL OF ADMINISTRATIVE LEADERSHIP
SCHOOL OF INSTRUCTIONAL LEADERSHIP

COLLEGE OF LIBERAL ARTS
SCHOOL OF COMMUNICATIONS
SCHOOL OF FINE AND PERFORMING ARTS
SCHOOL OF SOCIAL AND BEHAVIORAL SCIENCE

COLLEGE OF LIFELONG LEARNING

COLLEGE OF PUBLIC SERVICE
SCHOOL OF HEALTH SCIENCES
SCHOOL OF POLICY AND PLANNING
SCHOOL OF SOCIAL WORK

COLLEGE OF SCIENCE, ENGINEERING AND
TECHNOLOGY
SCHOOL OF ENGINEERING
SCHOOL OF SCIENCE AND TECHNOLOGY

DIVISION OF UNDERGRADUATE STUDIES

PURPOSES AND OBJECTIVES

ORGANIZATION

EXIT CRITERIA

DIVISION OF UNDERGRADUATE STUDIES

Dr. Evelyn J. Leggette, Dean

Mrs. Mona Brown, Administrative Assistant

Ms. Kenya Washington, Data Entry Specialist/Receptionist

Dr. Maria L.A. Harvey, Associate Dean, Honors College

Dr. Marie O'Banner-Jackson, Associate Dean, University
College

Mrs. Patricia Sheriff-Taylor, Director of the First Year
Experience & Special Assistant to the Dean

Mr. Clarence Lowe, Coordinator/Advisor for Special
Populations

Ms. LaTonya Robinson, Assessment Coordinator

Ms. Jennifer Scott, Coordinator of Transition

Ms. Asonya Webster, Coordinator of Retention Services

Ms. Monesa Watts, Interim Coordinator of
Advisement/Chief Academic Advisor

Mr. G. Wayne Daniel, Counselor/Advisor

Mr. Sherman Green, Academic Advisor

Mrs. F. Janelle Hannah-Jefferson, Academic Advisor

Mrs. Marcella Hopkins, Counselor/Advisor

Mr. Dedrick Smith, Academic Advisor

The Division of Undergraduate Studies is under the administration of the Dean who reports directly to the Vice President of Academic and Student Affairs. The Division includes the First Year Experience, Honors College and University College. Ancillary areas of the Division include Assessment, Advisement, Retention and Academic Support Services that serve The First Year Experience Program, Honors College and University College.

The Division was organized by consolidating interdependent services and programs to strengthen campus readiness and build on the past and present infrastructure. The offerings of the unit provide a quality assurance program for first and second year students that will prepare them to contribute to the social, cultural and economic development of the state, the nation and world. First year students engage in The First Year Experience which offers common shared experiences through an enriched challenging curriculum, cultural and educational opportunities,

seminars, colloquia, service and community learning activities and volunteerism.

The Division, through the Honors College, offers superior students the opportunity to follow a program of study at a pace commensurate with their ability and provides the opportunity for independent reading and research beyond the regular curriculum. The Honors College collaborates with the Center for University Scholars in offering a Pre College Program to expose students to college life, involve them in intellectually stimulating courses, develop their research and critical thinking skills and introduce them to the outstanding academic programs, services and activities at the University. For the students who need additional support and preparation for success, the Division, through University College, offers preparatory courses in English, mathematics and reading with accompanying support courses and services to supplement and complement instruction.

The Division, in collaboration with the academic schools and colleges, ensures that students are prepared for the rigor of their intended major, are retained and are engaged in leadership, service, citizenship and community development activities. The Division also seeks national recognition for the First Year Experience Program at Jackson State University.

THE FIRST YEAR EXPERIENCE

A New Experience

The First Year Experience is designed to lay the ground work for a successful academic and professional career by providing common shared experiences for students that focus on academics, citizenship, leadership, service and core values. The program offers a year-long set of courses and projects designed to help students achieve excellence in their academic, social and personal development. The Director of the First Year Experience reports directly to the Dean of the Division of Undergraduate Studies.

Enhanced Freshman Orientation and Welcome Week Program

The Orientation and Welcome Week Program welcomes all new students to campus and introduces them to all areas of university life. Special sessions are designed to emphasize academic information, placement, testing, advisement in course scheduling, financial aid and registration for classes. Also, students are engaged in an Information Fair as well as community service activities. A personalized First Year Parent Orientation is offered during each Orientation period.

First Year Common Shared Experiences

UNIV 100/101/102/105 University Success Course:

This course serves as the nucleus of the First Year Experience and offers a global, comprehensive and personalized approach to student success through a customized textbook, stimulating lectures, action research, leadership development, library initiatives and service learning. Special features include *The Funky Revolutionary: Mind Body and Spirit*, by Dr. Ronald Mason, Jr., *How We Got Over Lest We Forget* by Dr. John A. Peoples, Jr., and the StrengthsQuest Program.

Service Learning:

First year students engage in Service Learning through the University Success 100/101 course for service work related to their course curriculum and receive a percentage of course credit for completion of service hours. Students receive documented service credit through the Community Service Transcript which is accessible with or without an academic transcript from the Registrar and may be used for scholarship, graduate or professional schools, and employment opportunities.

A Shared General Education Core:

The general education courses complement the specialized academic major course to provide balance within a broader intellectual context. The core curriculum courses are required to qualify for any baccalaureate degree at Jackson State University. Students share common knowledge, experiences and skills through courses in Communication, Humanities and Fine Arts, Natural Science, Social and Behavioral Sciences, Health and Physical Education, University Success and the First Year Experience program.

Colloquia

Colloquia are offered to first year students in a small setting designed to encourage creative thinking, independent learning outside the regular classroom experience and research opportunities. Course topics include: *Discovering Careers for Science Majors*, *Leadership*, *College Bowl Challenge*, and *Discovering Careers for Undecided Majors*.

First Year Assessment Program

The First Year Assessment Program is designed to assess student learning outcomes in general education and to use the data to continuously improve the learning environment and enhance the effectiveness of the program. All first time freshmen will take a battery of cognitive and non cognitive instruments, complete portfolios, and surveys and participate in the Personal Development and Self-Assessment program. Sophomores are required to take the Post CBASE (College Basic Academic Subjects Examination with Essay) after completing the following

courses: Art Appreciation, Introduction to Biology, English Composition 1 & 2, World Literature, English Option, Health, History of Civilization 1 & 2, College Algebra, Psychology, and University Success.

First Year Advisement Center

The First Year Advisement Center is committed to a dual comprehensive system that meets the needs of students in academic planning, interpreting University requirements and policies, selecting academic majors and career goals as well as developing social and core values. All first year students are advised in the Division of Undergraduate Studies through Honors College or University College, where a faculty advisor is paired with a professional advisor to ensure student success and progression. The center offers Advisement Week @ JSU each semester to offer students an opportunity to have all of their questions answered on academic advising issues.

Comprehensive Academic Support Services

The Center provides an academic support program designed to assist students in achieving their educational goal by providing tutorials, learning skills courses and workshops, supplementary instruction, academic services for student athletes and other “at risk” populations, and mentoring programs.

The Office of Student Retention Services

The Office of Student Retention Services was implemented Fall 2005 by the Division of Undergraduate Studies to increase the retention rate of students, especially first to second semester freshmen as well as fall-to-fall retention. The Office of Student Retention Services (OSRS) is currently responsible for coordinating and implementing the university retention action plan, devising academic support programming for at risk students, and incorporating best practices in retention theory at Jackson State.

The Office of Transition Program

The program is designed to address the specific needs of transfer students while assisting them in making a seamless transition to the university. Programming provides a broad range of comprehensive academic support services for transfer students. These services include: Early Orientation, Advisement and Registration for transfer students; specialized orientation sessions designed to introduce students to the university and resources available; one-on-one academic advising with a professional advisor trained to work specifically with transfer students; and comprehensive academic support which assists students in building skills for academic success (i.e. Transfer Success Workshops Series, Transfer Talkback Sessions, Peer Tutoring and CAI Labs).

Other initiatives of the Transition Program include the Transfer Advisory Board and Community/Junior College Linkage. The Transfer Advisory Board is a collaborative effort between the Coordinator of Transitions and representatives from the various academic colleges. The goals of the board are to assist in developing retention strategies, assessing program effectiveness and serving as an advocate for transfer students. The Community/Junior College Linkage is a pre-enrollment initiative to familiarize potential transfer students with Jackson State University. The Coordinator of Transition will work closely with representatives from the various Community and Junior Colleges to ensure students are provided first hand knowledge on admission requirements, course articulation, and available academic support services. The Transition Coordinator will also accompany the Office of Undergraduate Recruitment to transfer activities at community colleges and university events.

It is our aim to contribute to the enhancement, engagement, and retention of transfer students’ academic and life skills development.

Baccalaureate Degree Programs

The baccalaureate degree programs offered at Jackson State have two major curricular components: the general education requirements and the specialized academic major requirements. The general education courses complement specialized academic major courses to provide balance within a broader intellectual context.

All students must meet the core curriculum requirements to qualify for any baccalaureate degree at Jackson State University. In addition to the following core requirements, students are to complete all requirements established by schools in which the degree is offered.

THE RICHARD WRIGHT CENTER FOR THE WRITTEN WORD

The Richard Wright Center for the Written Word helps Jackson State University students to meet the challenges of university-level work and provides support services for students who need assistance and encouragement in completing their writing and research assignments. The Wright Center offers help at any stage of the writing process: from brainstorming to the finished product. The Center offers free tutoring sessions for any type of writing, whether it is a short essay, a research paper, a resume, or a letter of application. Using a coaching model, peer writing tutors provide reader response, make suggestions on how to strengthen the writing, instruct writers in strategies for editing and proofreading their own work, and explain the principles that govern the technical aspects of the writing.

The Wright Center also helps undergraduate students to prepare for the Undergraduate English Proficiency Examination (UEPE) by providing information about the UEPE and by coaching students on how to write an examination essay.

While assisting Jackson State University students with the processes of reading, writing, thinking, and research, the Wright Center also promotes Writing Across the Curriculum initiatives. Finally, the Wright Center works to increase awareness of the valuable contribution of Mississippi writers to American literature.

GENERAL EDUCATION REQUIREMENTS

Core Requirements

I. COMMUNICATION..... 15- 18 sem. hrs.

ENG 104 - 105/111 - 112 Composition. . . 6 sem. hrs.
ENG 205 World Literature. 3 sem. hrs.
Speech Option. 3 sem. hrs.
Foreign Language*. 0-6 sem. hrs.

II. HUMANITIES AND FINE ARTS..... 6 sem. hrs.

Philosophy Option. 3 sem. hrs.
Fine Arts Options..... 3 sem. hrs.

III. NATURAL SCIENCES..... 9 sem. hrs.

Science Option. 3 sem. hrs.
MATH 111 College Algebra. 3 sem. hrs.
Computer Literacy. 3 sem. hrs.

IV. SOCIAL & BEHAVIORAL SCIENCES. 9 sem. hrs.

HIST 101-102/111-112
History of Civilization..... 6 sem. hrs.
Social Science Option. 3 sem. hrs.

V. HEALTH AND PHYSICAL EDUCATION..... 2-3 sem. hrs.

HE 101 Concepts of Health..... 3 sem. hrs.
or
Two Physical Education
Activity Courses. 2 sem. hrs.

VI. UNIV 100 University Success in College or..... 2 sem. hrs.

UNIV 101 University Success
in the College of Business or..... 2 sem. hrs.

UNIV 105 University Success for Adult Learners
in the College of Lifelong Learning. 2 sem. hrs.

40-47 sem. hrs.

***Notes.** Students who have completed two years of a single foreign language in high school with grades of "C" or better are exempt from the foreign language requirements. Students who transfer 12 or more hours of college credit are exempt from UNIV 100.

VII. WRITING AND SPEAKING ACROSS THE CURRICULUM

All University students are required to take at least two writing and speaking courses (designated by the letter "W" placed after the course number) in their major disciplines.

VIII. COURSES WHICH MAY BE USED TO SATISFY OPTIONS

SOCIAL SCIENCE OPTIONS

SS 201	
or 202	Social institutions
GEOG 105	Introduction to Cultural Geography
GEOG 209	World Regional Geography
SOC 214	Introduction to Sociology
SOC 325	Cultural Anthropology
PS 134	Introduction to Political Science
PS 135	American Government
PS 136	State and Local Government
ECO 211	
or 212	Principles of Economics (non-business majors only)
PSY 201 or	
111-112	Psychology

SPEECH OPTIONS

SPCH 201	Speech Arts
SPCH 215	Training the Speaking Voice (for students in Departments of English and Modern Foreign Languages, Speech, and Mass Communications)
SPCH 216	Public Speaking
SPCH 334	Argumentation and Debate
SPCH 335	Persuasion
SPCH 430	Small Group Discussion

PHILOSOPHY OPTIONS

PHIL 301	Introduction to Philosophy
PHIL 416	Logic
PHIL 308	Aesthetics
PHIL 309	Ethics
MNGT 482*	Business Ethics (For Business Majors Only)
SW 210**	Social Work Values and Ethics (For Social Work Majors Only)

74 \ JACKSON STATE UNIVERSITY

SCIENCE OPTIONS

BIO 101	Biological Science
BIOL 101	Biological Science Lab
BIO 103	Environmental Science
BIOL 103	Environmental Science Lab
BIO 105	Introductory Botany
BIOL 105	Introductory Botany Lab
BIO 106	Marine Science
BIOL 106	Marine Science Lab
BIO 107	Introduction to Zoology
BIOL 107	Introduction to Zoology Lab
BIO 111	Introduction to Biology
BIOL 111	Introduction to Biology Lab
SCI 201 or 202	Physical Science
SCIL 201 or 202	Physical Science Lab
SCI 205	Earth & Space Science ("W" for MUS Education Majors)
CHEM 201	Chemistry and Society
CHML 201	Chemistry and Society Lab
CHEM 131	Introduction to Chemistry
CHML 131	Introduction to Chemistry Lab
CHEM 141	General Chemistry
CHML 141	General Chemistry Lab
PHY 151	Introduction to Physics
PHY 201	Basic Physics I
PHY 211	General Physics I
PHY 241	Introduction to Astronomy
MET 200	Introductory Meteorology

HUMANITIES AND FINE ARTS (OPTIONS)

ART 206	Art Appreciation
MUS 205	Music Appreciation
MUS 321	Music History (For Music Majors Only)
MUS 322	Music History (For Music Majors Only)
DR 201	Introduction to Drama
ENG 201/ 202	Humanities
ENG 211/ 212	Humanities (for students in Departments of English and Modern Foreign Languages, Speech, and Mass Communications)

FOREIGN LANGUAGES (OPTIONS)

FR 101 & 102	Elementary French
GR 101 & 102	Elementary German
SP 101 & 102	Elementary Spanish
LAT 101 & 102	Elementary Latin
POR 101& 102	Elementary Portuguese
CH 101 & 102	Mandarin Chinese

COMPUTER LITERACY OPTIONS

CSC 115	Digital Computer Principles
MNGT 350*	DBMS Applications
SW 315**	Computer Utilization for Social Work Practice & Research

* Business Majors Only

** Social Work Majors Only

GRADUATION REQUIREMENTS

Minimum requirements for all undergraduate degrees offered by the University are listed below. In addition, students must meet the specific degree requirements as established by the school or department in which the degree is offered. A minimum of 120-128 semester hours is required for all baccalaureate degrees. The curricula published in the announcements of the various schools outline the requirements for the degrees offered at the University. To complete degree requirements an undergraduate student must:

1. Complete a minimum of 120-128 semester hours of work.
2. Satisfactorily complete the curricular requirements in the major field.
3. Earn a cumulative academic average of not less than 2.00 ("C") in all courses.
4. Earn a cumulative average of not less than 2.00 ("C") in all courses attempted in major field.
5. Complete, in residence, not fewer than 30 semester hours of upper-level course work required in the major field.
6. Complete, in residence, the final semester's course work, unless permission is granted otherwise.
7. Take all examinations required by the school responsible for the student's major.
8. Satisfactorily pass the English Proficiency Examination.
9. File an "Application for Degree" electronically via the Online Graduation Clearance Process according to the following schedule: December graduates—beginning April 15; May graduates—beginning September 15; Summer graduates—beginning February 15. Dates are printed in the University Calendar.

The deadline for applying and having names printed in the Graduation/Commencement Program booklet is two (2) weeks prior to Commencement. After that time, there is no guarantee that names will be printed. However, any late applicants will be added to the WEBSITE program that can be printed by anyone wanting to have a copy of the program after commencement is over. We will no longer print additional programs with late adds.

The Online Graduation Clearance will remain open for thirty (30) days after each graduation period (i.e., approximates for Spring—June 15th; Summer—August 31st, Fall—January 15th).

Graduation Ceremonies

Commencement exercises are held at the end of the spring semester and at the end of the summer session; degree candidates must be present. In case of unusual circumstances, a student wishing to receive the degree "In Absentia" must apply to the dean of the respective school thirty (30) days prior to the scheduled graduation ceremony. The school dean will recommend to the Vice President for Academic Affairs that the degree be conferred in absentia if the application is approved.

Student Responsibilities

It is the responsibility of the student to complete all course work and other university requirements for the selected major and degree.

REQUIREMENTS FOR A SECOND BACCALAUREATE DEGREE

Admission to the second baccalaureate degree program is subject to approval by the chairperson of the department and dean of the school in which the degree is being sought.

Students who wish to obtain a second baccalaureate degree from Jackson State University must meet the following criteria:

1. Gain admission to the University.
2. Declare intent to pursue second baccalaureate degree by completing the Application for a Second Baccalaureate Degree. The Application for a Second Baccalaureate Degree may be secured from the Office of Admissions and Financial Aid or from the office of the school dean.
3. Develop degree plan with approval of an advisor from the department in which the degree is offered.
4. Complete at least 30 semester hours of approved courses beyond the first baccalaureate degree in residence at Jackson State University.
5. Maintain a minimum grade point average of 2.00.

DUAL DEGREE REQUIREMENTS

A student may simultaneously earn two degrees. The student is encouraged to discuss interest in pursuing two degrees with assigned University advisor. Standard criteria are as follows:

1. Student must have completed a minimum of 32 semester hours in residence at Jackson State University, with a minimum cumulative grade point average of 3.0.

2. Student must be registered in one of the schools. (The School in which the student is initially accepted will be deemed the "home" or "host" School.)
3. Student must be admitted to each school in which a degree is being sought.
 - a. Student must submit a separate Application for Dual Degree along with other required documents to each respective school.
 - b. Student must return completed and signed applications to the Office of The Registrar and Records.
 - c. Degree plans must be developed and approved by an advisor from each of the respective schools.
 - d. Student must meet requirements and follow procedures of each school.
4. Degree requirements for each major must be met simultaneously. (Meeting the requirements of dual degrees may lengthen completion time of academic programs.)
5. Student must maintain grade point average of 2.00 or higher in each degree program.
6. Student may withdraw from this arrangement at any time prior to the final semester in which the degrees are to be awarded by submitting a formal letter of withdrawal to the Dean of each school in which enrolled.

MAJOR

A major is an orderly sequence of specialized courses within an academic discipline that leads to a baccalaureate degree. The requirements for majors vary and are found in the specific academic units responsible for the major. Majors should include a minimum of 30 semester hours and usually range from 30-39 hours. (These ranges may vary in some degree programs because of national accreditation or professional certification requirements). A minimum average of "C" in the major is required for graduation. In addition, the academic unit responsible for the major may require the student to repeat any courses required for a major in which a grade below "C" was earned. Some majors are subject to additional admission requirements and enrollment limitations.

To change a major, students should use the official form available in the Division of Undergraduate Studies.

UNDERGRADUATE DEGREE PROGRAMS

COL/SCHL	MAJOR	DEGREE
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College of Business

Accounting	B.B.A.
Business Administration	B.B.A.
Economics	B.B.A.
Entrepreneurship	B.B.A.
Finance	B.B.A.
Management	B.B.A.
Marketing	B.B.A.

College of Education and Human Development**School of Instructional Leadership**

Child Care and Family Education	B.S.
Elementary Education	B.S.Ed.
Health, Physical Education and Recreation	B.S.
Social Science Education	B.S.Ed.
Special Education	B.S.

College of Liberal Arts**School of Communications**

English	B.A.
Modern Languages	B.A.
Mass Communications	B.S.
Speech Communications and Theatre	B.A., B.S.

School of Fine and Performing Arts

Art	B.A.
Music Education	B.M.E.
Music Performance	B.M.

School of Social and Behavioral Science

Criminal Justice and Sociology	B.S.
History and Philosophy	B.A.
Political Science	B.A.
Psychology	B.S.
Sociology	B.A.

College of Lifelong Learning

Professional Interdisciplinary Studies	B.S.
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College of Public Service**School of Health Sciences**

Communicative Disorders	B.S.
Health Care Administration	B.S.

School of Policy and Planning

Urban Studies	B.A.
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School of Social Work

Social Work	B.S.W.
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College of Science, Engineering and Technology**School of Engineering**

Civil Engineering	B.S.
Computer Engineering	B.S.
Computer Science	B.S.
Telecommunications Engineering	B.S.

School of Science and Technology

Biology	B.S.
Chemistry	B.S.
Earth Systems Science	B.S.
Industrial Technology	B.S.
Mathematics	B.S.
Mathematics Education	B.S.Ed.
Meteorology	B.S.
Physics	B.S.

PROVISIONS FOR SUPERIOR STUDENTS**THE W.E.B. DU BOIS HONORS COLLEGE**

Dr. Maria L.A. Harvey, Associate Dean and Professor of Modern Foreign Languages

Dr. Connie M. Dixon, Director of Honors Student Services and Activities

Ms. Pamela M. Skipper, Administrative Assistant

The W.E.B. Du Bois Honors College at Jackson State University explicit purpose is to offer excellent academic preparation for graduate and professional school, corporate America, and the workforce, as well as stimulating academic opportunities to superior students. The College offers superior students an opportunity to follow a program of study at a pace commensurate with their ability; to increase intellectual interaction among their peers, professors and advisers; to provide the opportunity for independent reading and research. It is structured so that young scholars can follow a program of study which includes honors courses within as well as outside of their individual department.

The Honors College is under the administration of the Associate Dean who reports directly to the Dean of the Division of Undergraduate Studies.

ADMISSION REQUIREMENTS FOR THE HONORS COLLEGE**Entering Freshman:**

1. *Minimum ACT composite score of 21 (SAT 1000)*
2. *B+ average*
3. *Completion of College Prep Courses*

Students currently enrolled in the university and transfer students:

1. *Minimum overall grade point average of 3.5 in work undertaken at the university or college level.*
2. *Freshman or sophomore standing.*

Upperclassmen:

Juniors and seniors otherwise qualified may enroll in honors courses and receive credit for honors work completed.

All students seeking enrollment in the Honors College should complete the following:

1. *Application for Admission to Jackson State University*
2. *Application for the Honors College*
3. *Submission of ACT/SAT scores and high school transcript*

HONORS COURSES

HON 100/101.....	University Success
HON 110.	Honors Colloquia
HON ENG 111/112.....	Composition
HON ENG 205.....	World Literature I
HON ENG 222.....	World Literature II
HON HIST 101/102.....	History of Civilization
HON BIO 101.	Introduction to Biological Sciences
HON BIOL101.....	Introduction to Biological Sciences Lab
HON BIO 111/112.....	General Biology
HON BIOL111/112.....	General Biology Lab
HON BIO 318.	Introduction to Genetics
HON BIOL 318.	Introduction to Genetics Lab
HON BIO 409.	Genetics
HON CHEM 141/142.	General Chemistry
HON CHML 141/142.....	General Chemistry Lab
HON CHEM 241/242.	Organic Chemistry
HON ART 206.....	Art Appreciation
HON MUS 205.	Music Appreciation
HON HE 101.....	Concepts of Health
HON SP 101/102.....	Elementary Spanish
HON SCI 201.....	Physical Science
HON SCIL201.....	Physical Science Lab
HON PSY 201.....	General Psychology
HON SS 201.....	Social Institutions
HON SPCH 201.....	Speech Arts

Cultural, Educational, and Enrichment Activities:

Cultural, educational, and enrichment activities that include attendance to ballet, the theater, museums, historical sites, conferences, and lectures are scheduled during the academic year for Honors College students.

Community Service Requirements (apply to all students at the University):

Additional information on the Honors College may be obtained from the Associate Dean of Honors College at Jackson State University, P.O. Box 17004, Jackson, Mississippi 39217, Telephone Number (601) 979-2107.

SCHOLASTIC RECOGNITION**NATIONAL CHAPTERS OF HONOR SOCIETIES AT JACKSON STATE UNIVERSITY**

There are twenty-four chapters of national honor societies at Jackson State University. Some are general in scope, and extend membership to students solely on the basis of grade point average and academic classification. Others are departmental, and extend membership on the basis of grade point average and academic major.

Campus Wide Honor Societies

Alpha Chi	Blue Key
Alpha Kappa Mu	Chi Alpha Epsilon
Alpha Lambda Delta	Phi Kappa Phi

Departmental Honor Societies

Alpha Kappa Delta.....	(Sociology)
Alpha Mu Gamma.....	(Modern Foreign Languages)
Alpha Mu Alpha.....	(Marketing)
Beta Beta Beta.....	(Biological Society)
Beta Gamma Sigma.....	(Business)
Beta Kappa Chi.....	(Science)
Kappa Delta Pi.....	(Education)
Phi Alpha.....	(Social Work)
Phi Alpha Alpha.....	(Public Policy & Administration)
Phi Alpha Theta.....	(History)
Pi Gamma Mu.....	(Social Sciences)
Pi Lambda Theta.....	(Education)

78 \ JACKSON STATE UNIVERSITY

Pi Mu Epsilon..... Mathematics
Pi Sigma Alpha. (Political Science)
Psi Chi. (Psychology)
Sigma Pi Sigma (Physics)
Sigma Tau Delta..... (English)

Scholar Athletes

Chi Alpha Sigma. (All Majors)

WHO'S WHO AMONG STUDENTS IN AMERICAN UNIVERSITIES AND COLLEGES

Each year the Office of the Vice President for Academic Affairs and Student Life sponsors Jackson State University's participation in the national recognition of outstanding college students cited by Who's Who Among Students in American Universities and Colleges. Students who are chosen for this recognition will appear in the annual national directory of Who's Who and will be eligible to utilize the organization's reference and placement services.

Students receiving this recognition are recommended to the national organization by the University's Academic Honors Council. Early in each Fall Semester the Academic Honors Council invites faculty and staff to submit recommendations for students whom they feel are deserving of this award. The Academic Honors Council reviews all recommendations and makes the final selection based upon the following criteria: scholarship, leadership, campus and community service, citizenship, and future potential.

NATIONAL INSTITUTE OF HEALTH-MARC HONORS PROGRAM

This is a program to support junior or senior honor students with a stipend in the Departments of Biology, Chemistry and Psychology who have as their primary objective to pursue graduate studies in the biomedical sciences. **For additional information, please call (601) 979-2586.**

NATIONAL INSTITUTE OF MENTAL HEALTH- CAREER OPPORTUNITIES IN RESEARCH (NIMH- COR)

This honors research-training program is open to Biology, Chemistry, Health, Psychology, Sociology, and Social Work majors. Applicants are selected at the end of their sophomore year at the University, and participate in the program during their junior and senior years. Tuition and monthly stipends are

provided. The goal of this hands-on research program is to prepare the students for admission and retention in Ph.D. programs in their respective disciplines. **For additional information, please call (601) 979-3378.**

RESEARCH INITIATIVE FOR SCIENTIFIC ENHANCEMENT (RISE)

This program is designed to provide students majoring in Biology, Chemistry, Computer Science, Engineering, Mathematics and Physics with the opportunity to participate in year long research internships. Ten students are selected as incoming freshmen each year, and remain in the program until graduation. During their tenure at Jackson State University, they are actively involved in daily research activities, and receive stipends for their participation. **For additional information, please call (601) 979-2586.**

SCIENCE AND TECHNOLOGY ACCESS TO RESEARCH AND GRADUATE EDUCATION (STARGE)

The Science and Technology Access to Research and Graduate Education (STARGE) program is supported by the National Science Foundation. The program aims to enhance academic preparation and strengthen skills of students in Science, Engineering, and Mathematics, and encourage the continuation of the students' academic preparation at the graduate level. The program offers year-long research activities for its participants as well as a residential summer research apprenticeship. **For additional information, please call (601) 979-2155.**

HONORS AT GRADUATION

Graduation with academic distinction is based on an earned average of 3.20 or higher on a 4.00 scale for work completed at Jackson State University for all undergraduate degrees. Students who graduate within this grade point range are honored with the following designations:

Summa Cum Laude. 3.80 - 4.00
Magna Cum Laude..... 3.50 - 3.79
Cum Laude..... 3.20 - 3.49

Graduates with academic distinction wear gold Honor Cords during Commencement Exercises. Honors College graduates who have completed thirty hours in Honors courses and maintained a cum laude average wear a blue Honors Cord in addition to the gold cord.

UNIVERSITY COLLEGE

Dr. Marie O'Banner-Jackson, Associate Dean
Mrs. Priscilla W. Edwards, Administrative Assistant
Dr. Garrick Shelton, Chair, Developmental and Enhancement Studies

Instructors of English:

Dr. Charles Chiplin
 Ms. Tiffany Harrington
 Mrs. Linda McLemore-Wheeler
 Mrs. Sherry Rankin

Instructors of Reading:

Mrs. Joan Burks Bishop
 Ms. Monica Lawrence-Rees
 Mrs. Ella Moore

Instructors of Mathematics:

Mrs. Shirley Burnett
 Mrs. Stacy Davison
 Ms. Milisha Hart

University College is committed to providing an academically focused, student centered, supportive, structured environment for the entire University Community with an emphasis on freshmen. This environment is focused on improving matriculation, retention and graduation rates, increasing student success in academics and facilitating a smooth transition to the world of higher education.

The Undergraduate English Proficiency Examination, The Developmental and Enhancement Studies Program and The Summer Developmental Program are housed in this unit. This unit also offers year-round academic support classes augmenting the existing support services which include peer tutors, computer assisted instruction and support lab, counseling and academic advisement.

The goals of University college are:

- ◆ To reduce time in remediation
- ◆ To improve overall academic performance
- ◆ To improve retention to sophomore year
- ◆ To improve graduation rates
- ◆ To improve leadership, outstanding scholarship and research opportunities for students.

University College is under the administration of the Associate Dean, who reports directly to the Dean of the Division of Undergraduate Studies.

A Second Chance for College Bound Students

Students applying to state supported institutions of higher learning in Mississippi who fail to meet the four admission criteria, participate in a nine-week summer program to increase their chances of being admitted.

Qualified students take course work in reading, composition and mathematics. This program includes classroom instruction, as well as computer-assisted tutorials. These courses do not count toward graduation. However, with successful completion of The Summer Developmental Program, the student will be able to enroll in freshman courses for the fall semester. In addition, the students receive counseling and support needed to participate successfully in the academic and social community of the University.

DESCRIPTIONS OF DEVELOPMENTAL COURSES:

ENG 001 - Developmental English. This three-hour (3) course is designed to give intensive practice in the fundamentals of grammar usage, sentence structure, mechanics and diction.

ENG 002 - Intermediate English. This three-hour (3) course is designed to serve as a bridge course between ENG 001 and 104. It is also required of students earning a subscore less than 17 on the ACT or the corresponding score on the SAT in English. Primary emphasis will be placed on paragraph writing.

ENG 399 - Functional Writing. This three-hour (3) course is designed to help the student gain proficiency in thinking logically, writing intelligently and effectively. (For students who fail the Undergraduate English Proficiency Examination.)

MATH 001 - Developmental Mathematics. This three-hour (3) course is designed to improve the student's mastery of the fundamental operations of arithmetic, including whole numbers, fractions, decimals, mixed numbers and percentages. Emphasis is placed on number manipulation and applications relating to process.

MATH 004 - Intermediate Algebra. This three-hour (3) course covers the Real Number system, linear equations, inequalities, graphing, linear systems, exponents, polynomials, factoring, rational expressions, roots and radicals, quadratic equations, and all applications. It is required for students earning a subscore less than 17 on the ACT or the corresponding score on the SAT in math.

RE 001 - Developmental Reading. An individualized course for meeting reading needs of students whose entrance scores indicate likelihood of difficulty in doing college work.

80 \ JACKSON STATE UNIVERSITY

RE 002 - Intermediate Reading. An individualized course designed for any student deserving to increase speed of reading and to improve study skills. It is also required of students earning a subscore less than 17 on the ACT or the corresponding score on the SAT in reading.

GNST 100 - Learning Skills Lab. This course is designed for students enrolled in the Summer Developmental Program. Emphasis is placed on English, math, and reading skills along with study skills and other academic and social activities at the University.

GNST 101 - Academic Support I. This course is designed to assist conditionally admitted, as well as other volunteer students with their freshman courses. The goal of this course is to provide individualized support for “marginally” prepared students in regular academic credit courses.

GNST 102 - Academic Support II. This course is the second part of the year-long academic program which is designed to continue to offer individualized support for “marginally” prepared students in regular academic credit courses. Emphasis is placed on study skills, learning to learn strategies and lifelong skills.

GNST 103 - First-Year Writing Seminar. This one-hour (1) course is designed to give students enrolled in English 002 additional support and lab experiences to practice skills introduced in lecture class.

GNST 104 - First-Year Reading Seminar. This one-hour (1) seminar focuses on topics and strategies in reading comprehension designed for freshmen enrolled in Reading 002.

GNST 105 - First-Year Mathematics Seminar. This one-hour (1) seminar is designed to give students time to explore and practice applications relating to the mathematical process.

GNST 200 - Learning to Learn. This two-hour (2) course is designed to give students a chance to put failure in perspective and take charge of their future. It will assist students in determining what obstacles are interfering with their learning, in overcoming their problems and in gaining self-confidence and self-determination. (For students on probation).

A PLACEMENT TEST; NOT AN ADMISSION TOOL

ACCUPLACER is a computerized placement test in sentence skills, math, and reading comprehension that is administered to all students referred to screening for the admission process.

Identified by the Institution of Higher Learning as the test of choice in conjunction with the American College Test (ACT) or

the Scholastic Aptitude Test (SAT), ACCUPLACER places students in either the Summer Developmental Program, intermediate or regular college classes based upon the student's performance in the respective categories:

- A score of 17 or above on the ACT math subtest, or a total right score of 60 or above on the ACCUPLACER in elementary algebra
- A score of 17 or above on the ACT English subtest, or a total right score of 86 or above on the ACCUPLACER in sentence skills
- A score of 17 or above on the ACT reading subtest, or a total right score of 80 or above on the ACCUPLACER in reading comprehension

ACCUPLACER is administered from February through May and may be taken at any one of the eight public universities in Mississippi.

DEVELOPMENTAL AND ENHANCEMENT STUDIES

Developmental and Enhancement Studies is one of the major divisions of University College. Its purpose is to plan, supervise, and teach preparatory courses in English, mathematics, and reading. Students failing to score at an appropriate level with a subtest score of 17 or higher on the ACT or at a corresponding level on the SAT are placed in intermediate classes to assist them in reaching a level of proficiency to be successful in their regular academic classes. The unit also coordinates the English Proficiency Examination, a requirement of all sophomores completing nine (9) hours of English credits along with other forms of assessment. English Proficiency tests taken at junior or community colleges are not transferrable.

COMMUNITY SERVICE/SERVICE-LEARNING

With service as a major tenet of the University's mission, University College seeks to involve all its students in the service learning component of the Community Service Program. Students are afforded opportunities to explore possible college majors and future careers; to gain professional skills and knowledge in agency settings; to build valuable experiences to enhance resume' and employment opportunities; and to develop personal and career skills while being mentored by professionals.

MAJOR FEATURES OF UNIVERSITY COLLEGE

- Developmental and Enhancement Studies
- Summer Developmental Program
- Academic Orientation
- Academic Advisement and Counseling
- Self-Enhancement and Development Program
- Academic Support Services
- Community Service/Service-Learning

The Undergraduate English Proficiency Examination is coordinated by this unit. Additional information on the nature of the examination is available in University College.

Additional information on University College may be obtained from the Associate Dean of University College, Jackson State University, Jackson, Mississippi 39217, Telephone: 601-979-7092, E-mail mjackson@jsums.edu.

DIVISION OF UNDERGRADUATE STUDIES





THE COLLEGE OF BUSINESS

Dr. Glenda Glover, Dean

Dr. Sheila C. Porterfield, Assistant Dean

OFFICE: College of Business Building, Suite 521

DEPARTMENTS:

**ACCOUNTING
ECONOMICS, FINANCE, AND GENERAL BUSINESS
ENTREPRENEURSHIP AND PROFESSIONAL
DEVELOPMENT
MANAGEMENT AND MARKETING**

The School of Business was authorized on July 1, 1972, through the merger of the Division of Business and the Department of Economics. Subsequently, the School was departmentalized and today it includes the Departments of Accounting; Economics, Finance and General Business; Management and Marketing; and Entrepreneurship and Professional Development. In addition, the School has a Career Services Office, Business Graduate Programs, a Center for Professional Development, and a Center for Business Development and Economic Research. On July 1, 2003, the School of Business evolved to the College of Business. The College is accredited by AACSB International—the Association to Advance Collegiate Schools of Business.

MISSION

The College of Business provides an enriched learning environment to nourish and support the aspiration of students in management education. The College acclimates students for business disciplines and prepares them to provide solutions to critical business problems. The faculty and staff engage in a variety of activities to foster an understanding of business by professionals; provide research-driven solutions to business-centered issues as an academic discipline; promote economic and social advancement in the local area and the state of Mississippi; and provide service to the profession.

The College is committed to providing broad access to all programs and services, particularly for historically under-represented populations.

PURPOSE AND OBJECTIVES

The primary purpose of the College of Business at Jackson State University is to provide opportunities for (1) intellectual and professional development for students enrolled in its instructional programs; (2) discovery of new and useful knowledge through academic and applied research; (3) effective application of knowledge in the business and economic development of the state, region, and nation through service activities.

The educational programs aim to provide students with the basic knowledge in business and related disciplines that will provide them with the needed skills and competencies required to pursue careers or advanced study. The College emphasizes a close student-teacher relationship through an advisory system designed to help students match ability and interest with a specialized professional field.

In addition, the educational program includes professional development activities designed to enhance communication, critical thinking, and problem solving skills and acquaint students with social and behavioral attitudes and norms required for success in business.

The student who graduates from the College of Business should (1) be able to deal with the technical complexities of his/her chosen career; (2) have the ability to reason and independently make decisions; (3) possess written and oral communication skills; (4) possess the requisite computer skills; (5) have an inclusive perspective on society and its progress; and (6) have an appreciation of the global/international dimensions of the economy and business. Each graduate should have the skills and competencies required to ensure success in his/her chosen career or field of graduate study.

The College also works aggressively to assist students in obtaining high quality placement in internships and co-ops. The placement director also assists students with obtaining career opportunities in business, industry, and/or graduate school placements upon graduation.

SCHOLARSHIPS

In addition to the scholarship programs offered by the University, the College of Business has its own financial resources for business majors. Students with grade point averages ranging from 2.5 to 4.0 are eligible to apply for financial assistance from the College of Business.

Students should apply for the scholarships by the end of February prior to the ensuing Fall Semester.

DEGREE REQUIREMENTS

The College of Business awards the Bachelor of Business Administration degree in the following areas: Accounting, Business Administration, Economics, Entrepreneurship, Finance, Management, and Marketing.

In order to earn the BBA degree, students must complete three sets of requirements: (1) the University's general education requirements; (2) the College of Business core requirements; and (3) the major requirements.

The general education requirements are intended to provide a broad-based education in the arts, sciences, and humanities which is appropriate for every educated person. The specific general education requirements are as follows:

Curriculum Requirements:

GENERAL EDUCATION REQUIREMENTS

ENG 104 105, 205	9 hours
MATH 111, 221	6 hours
HIST 101, 102	6 hours
BIO 101, BIOL 101 or SCI 201, SCIL 201	3 hours
ART 206 or MUS 205	3 hours
SPCH 201	3 hours
PE Options - 100-Level Activity Courses	2 hours
PSY 201	3 hours
UNIV 101	2 hours
*MFL (Modern Foreign Languages)	6 hours
MNGT 482 (Philosophy Requirement)	<u>3 hours</u>

TOTAL HOURS: 46 hours

*Students who met the foreign language requirement in high school must take 6 hours of non-business electives.

COLLEGE CORE REQUIREMENTS

The College core requirements are intended to provide basic grounding in the body of knowledge common to all business disciplines. All students pursuing the Bachelor of Business Administration (BBA) degree are required to take the core requirements.

Course No.	Course Title	Hours
ACC 211	Principles of Financial Accounting	3
ACC 212	Principles of Managerial Accounting	3
BPD 200	Introduction to Business	3
BPD 325	Business Communications	3
ECO 211	Principles of Macroeconomics	3
ECO 212	Principles of Microeconomics	3
GB 201	Introduction to the Legal Aspects of Business	3
FIN 320	Business Finance	3
MNGT 330	Management to Organizations	3
MNGT 333	Quantitative Business Analysis	3
MNGT 350	Business Computer Applications	3
MKT 351	Marketing Management	3
ECO 359	Business Statistics	3
MNGT 458	Strategic Management	<u>3</u>
TOTAL HOURS		42

MAJOR REQUIREMENTS

The major requirements are satisfied by 24 credit hours taken in the specialized subject matter of the chosen major. Requirements for each major are listed in the section of the catalog for the department which offers that major.

ELECTIVE REQUIREMENTS

Every student in the College of Business is required to meet the following elective requirements:

Business Electives	6 hours
Unrestricted Non-Business Elective	<u>3 hours</u>
TOTAL HOURS	9 hours

GRADUATION REQUIREMENTS

To earn a degree in the College of Business each student must satisfactorily complete all of the requirements discussed above. Specific requirements for satisfactory completion of each course of study within the College of Business are as follows:

1. Complete a minimum of 121 semester hours.
2. Satisfactorily complete the curriculum requirements in the major field.
3. Earn a cumulative academic average of not less than 2.0 in all courses taken at the University.
4. Earn a cumulative average of not less than 2.0 in all courses taken in the College of Business.
5. Earn a cumulative average of not less than 2.0 in all courses taken in the major field.
6. Complete in residence not less than $\frac{1}{2}$ of the credit hours which fulfill College core and major requirements.
7. Complete in resident, unless permission is granted otherwise, the final semester's course work.
8. Take all senior outcomes measurement examinations required by the College (such as the Major Field Test in Business).
9. Satisfactorily pass the English Proficiency Examination.
10. File an Application for Degree.
11. Complete all exit surveys and questionnaires.

OTHER ACADEMIC POLICIES

Attendance Policy - All students must attend class in accordance with the College of Business attendance policy stated in the course syllabi. Failure to do so may result in dismissal from class or a grade of "F."

Course Load - In order to ensure that students will have a maximum chance of successfully pursuing their studies, the maximum permissible course load for all majors will depend on current CUMULATIVE GRADE POINT AVERAGE. The following course load limitation will apply.

CUMULATIVE GPA	MAXIMUM HOURS
Below 2.00	12
2.00 – 2.49	15
2.50 – 2.99	18
3.00 – 4.00	21

Full-time enrollment in the College of Business is a demanding responsibility. Students who must be employed are advised to adjust their normal course load to ensure that they give sufficient attention to academic requirements. The following schedule is one suggested relationship between employment hours and course load that students can use as a guide to adjusting their course load.

EMPLOYMENT HOURS PER WEEK	COURSE LOAD
1 - 10	15-18 hours
11 - 15	12-14 hours
16 - 20	9 - 11 hours
more than 20	9 hours

Retention Requirements – University scholastic requirements and probation standards will be observed. A student is placed on academic probation when the cumulative grade point average is less than 2.0. The student may be removed from probation when a cumulative average of 2.0 or better is achieved.

A student on probation who does not earn the academic average required to remove the probationary condition in the following semester will be placed on suspension in accordance with the University's suspension policy. Appeal for waiver of suspension due to unusual circumstances should be made through the student's major department to the college dean.

Transfer Credit Hours - University transfer policies will be observed within the College (please review the appropriate pages of the catalog). The College of Business does not accept for credit:

1. Remedial or developmental courses.

2. Course in which the grades earned are less than "C" (2.0).
3. Courses from community/junior colleges to transfer as junior or senior level courses.

DEPARTMENT OF ACCOUNTING

Dr. Quinton Booker, BankPlus Endowed Professor and Chair

OFFICE: College of Business Building, Suite 462

FACULTY: Associate Professors G. Glover, R. D. Gupta; Assistant Professors B. Daniels, K. Dodor, C. Hill, R. Russell, M. Turner; Instructor M. Nabulsi

The Department of Accounting offers the major in Accounting and directs the Master of Professional Accountancy program.

OBJECTIVES

The primary objective of the Department of Accounting is to prepare students for careers in professional accountancy.

Major Requirements:

A minimum of 24 semester hours of accounting beyond ACC 211 and 212 is required for a degree. In general, all upper division accounting courses must be completed at Jackson State University. The following eight accounting courses are required of all accounting majors:

Course No.	Course Title	Hours
ACC 314	Intermediate Accounting I	3
ACC 315	Intermediate Accounting II	3
ACC 321	Cost Accounting I	3
ACC 381	Government and NFP Accounting	3
ACC 423	Income Tax Accounting	3
ACC 436	Advanced and International Accounting	
or	or	
ACC 473	Advanced Income Tax Accounting	3
ACC 455W	Auditing	3
ACC 492	Accounting Information Systems	<u>3</u>
TOTAL HOURS:		24

In addition, accounting majors must complete 9 semester hours of electives as shown below:

Business Electives (GB 302–Business Law–required)	6
Unrestricted Non-Business Elective	3

Bachelor of Business Administration Accounting Major

FRESHMAN YEAR		F	S
UNIV 101	University Success for Bus. Majors	2	
ENG 104,105	Composition	3	3
HIST 101,102	History of Civilization	3	3
PE Option	100-Level Activity Course	1	
MATH 111	College Algebra	3	
MATH 221	Calculus for Business		3
MUS 205 or ART 206	Music Appreciation or Art Appreciation		3
SP 101,102	Foreign Language or Proficiency*	3	3
(Freshman Year Total: 30 Hours)		<u>15</u>	<u>15</u>

SOPHOMORE YEAR

PE Option	100-Level Activity Course		1
ENG 205	World Literature	3	
BPD 325W	Business Communications		3
MNGT 350C	Business Computer Applications		3
ECO 211	Principles of Macroeconomics	3	
ECO 212	Principles of Microeconomics		3
ACC 211	Principles of Financial Accounting	3	
ACC 212	Principles of Managerial Accounting		3
SPCH 201	Speech Arts		3
BIO 101/101L	Introduction to Biology & Lab		
or	or		
SCI 201,			
SCIL 201	Physical Science and Lab	3	
BPD 200	Introduction to Business	3	
(Sophomore Year Total: 31 Hours)		<u>15</u>	<u>16</u>

JUNIOR YEAR

PSY 201	General Psychology		3
GB 201	Intro to the Legal Aspects Business	3	
MNGT 333	Quantitative Business Analysis		3
MNGT 330	Management of Organizations	3	
ECO 359	Business Statistics	3	
ELEC xxx	Unrestricted Non-Business		3
ACC 314,315	Intermediate Accounting I and II	3	3
ACC 321	Cost Accounting I	3	
ACC 381	Government & NFP Accounting		3
(Junior Year Total: 30 Hours)		<u>15</u>	<u>15</u>

SENIOR YEAR

MNGT 482W	Business Ethics		3
FIN 320	Business Finance	3	
MKT 351	Marketing Management	3	

MNGT 458W	Strategic Management	3	
ACC 423	Income Tax Accounting	3	
ACC 436 or ACC 473	Advanced & International Accounting or Advanced Income Tax Accounting	3	
ACC 455W	Auditing	3	
ACC 492	Accounting Information Systems	3	
ELEC xxx	Business Electives (GB 302–Business Law –required)	3	3
(Senior Year Total: 30 Hours)		15	15

TOTAL HOURS IN CURRICULUM: 121

*Students who met the foreign language requirement in high school must take 6 hours of non-business electives.

**General Education = 46 hours; COB Core = 42 hours; Major = 24 hours; Electives = 9 hours (includes GB 302).

(A 2.0 cumulative average in all courses taken at the University, all courses attempted in the College of Business, and all courses attempted in the major field are required for graduation. ACC 211 and ACC 212 are excluded from the major average.)

Accountancy laws in most states now require a minimum of 150 semester hours of college credits to qualify for a CPA license. Students may meet this requirement by continuing in the 30 semester hour Masters of Professional Accountancy program (provided they meet admissions requirements). Alternatively, students may accumulate 150 semester hours of college credits during their BBA studies since no state requires a master's degree. Since specific requirements vary from state-to-state, accounting majors are urged to consult their advisor for details regarding the educational requirement to become a CPA and options available to meet the requirement.

DEPARTMENT OF ECONOMICS, FINANCE AND GENERAL BUSINESS

Dr. Maury Granger, Professor and Chair
OFFICE: College of Business Building, Suite 408

FACULTY: Professors R. Grass Fulgham, P. Fuller, F. Ezeala-Harrison; Associate Professors D. Anyamele, J. C. Assad, D. Didia, P. Freeman, G. Yu; Assistant Professors J. Shaw-Jackson, N. Hill; Visiting Instructors K. Owusu, Xu Xu

OBJECTIVES

The objectives of the Department of Economics, Finance and General Business are to cultivate among students an ability to think intensely and critically and to promote character building. The curricula are designed to engender in students the power of concentration and to assist students in acquiring the ability to think intensively, efficiently, and critically. Furthermore, the Department seeks to promote an appreciation of ethics that will aid the student in determining worthy objectives upon which to concentrate. In general, the Department hopes to guide the student toward the path of enlightenment, not simply vocational training—this, we feel, will best prepare them for the business world.

Major Requirements:

ECONOMICS

A minimum of 24 semester hours of economics is required for a degree.

Course No.	Course Title	Hours
ECO 311	Intermediate Macroeconomic Theory	3
ECO 312	Intermediate Microeconomic Theory	3
ECO 325	Economic Development	3
ECO 360	Mathematics for Economics & Finance	3
ECO 444	Public Economics	3
ECO 446	International Trade	3
ECO 456	Urban Economics	3
ECO 460	Introduction to Econometrics	<u>3</u>
TOTAL HOURS:		24

In addition, economics majors must complete 9 semester hours of electives as shown below:

Economics Restricted Electives	6
Unrestricted Non-Business Elective	3

FINANCE

A minimum of 24 semester hours is required for a degree.

Course No.	Course Title	Hours
ECO 311	Intermediate Macroeconomic Theory	3
FIN 317	Principles of Insurance	3
FIN 443	Financial Management	3
FIN 446	Commercial Banking	3
FIN 447	Investments	3
FIN 451	Portfolio Management	3
FIN 452	International Finance	3
GB 302	Business Law	<u>3</u>
TOTAL HOURS:		24

In addition, finance majors must complete 9 semester hours of electives as shown below:

ACC 314, 321, or 423	3
ECO 360	3
Unrestricted Non-Business Elective	3

BUSINESS ADMINISTRATION

A minimum of 24 semester hours is required for a degree.

Course No.	Course Title	Hours
ACC 314 or	Intermediate Accounting I or	
ACC 321 or	Cost Accounting or	
ACC 423	Income Tax Accounting	3
ECO 442	Money and Banking	3
ENTR 381	Entrepreneurship & Small Business Management	3
FIN 447	Investments	3
GB 302	Business Law	3
MKT 436	Retail Management	3
MKT 440	Consumer Behavior	3
MNGT 452	Human Resources/Personal Management	<u>3</u>
TOTAL HOURS:		24

In addition, business administration majors must complete 9 semester hours of electives as shown below:

Unrestricted Business Electives	6
Unrestricted Non-Business Elective	3

Bachelor of Business Administration Economics Major

FRESHMAN YEAR		F	S
UNIV 101	University Success for Business Majors	2	
ENG 104,105	Composition	3	3
HIST 101,102	History of Civilization	3	3
MATH 111	College Algebra	3	
MATH 221	Calculus for Business		3
BIO 101/101L	Introduction to Biology & Lab		
or	or		
SCI 201/201L	Physical Science and Lab	3	
MUS 205 or	Music Appreciation or		
ART 206	Art Appreciation		3
MFL 101,102	Foreign Language or Proficiency*	3	3
(Freshman Year Total: 32 Hours)		<u>17</u>	<u>15</u>

SOPHOMORE YEAR

PE Option	100-Level Activity Course	1	1
ENG 205	Introduction to Literature	3	
BPD 325W	Business Communications		3
PSY 201	General Psychology	3	
ECO 211	Principles of Macroeconomics	3	
ECO 212	Principles of Microeconomics		3
ACC 211	Principles of Financial Accounting	3	
ACC 212	Principles of Managerial Accounting		3
SPCH 201 or	Speech Arts or		
SPCH 216	Public Speaking		3
BPD 200	Introduction to Business	3	
GB 201	Introduction to the Legal Aspects of Business		3
(Sophomore Year Total: 32 Hours)		<u>16</u>	<u>16</u>

JUNIOR YEAR

MNGT 330	Management to Organizations		3
MKT 351	Marketing Management	3	
FIN 320	Business Finance	3	
ECO 359	Business Statistics		3
ECO 360	Math for Economics & Finances		3
MNGT 350C	Business Computer Applications	3	
ECO 311	Intermediate Macro Theory	3	
ECO 312	Intermediate Micro Theory		3
ECO 325	Economic Development	3	
(Junior Year Total: 27 Hours)		<u>15</u>	<u>12</u>

SENIOR YEAR

MNGT 333	Quantitative Business Analysis	3	
ECO 446	International Trade		3
ECO 444	Public Economics	3	
ECO 456	Urban Economics		3
MNGT 458W	Strategic Management	3	
MNGT 482W	Business Ethics	3	
ECO 460	Introduction to Econometrics		3
ECO Elective	Restricted Economics Elective	3	3
Elective	Unrestricted Non-Business Elective		3
(Senior Year Total: 30 Hours)		<u>15</u>	<u>15</u>

****TOTAL HOURS IN CURRICULUM: 121**

*Students who meet the foreign language requirement in high school may need to take an addition six hours of non-business electives in order to satisfy the 121 minimum credit hour requirement.

**General Education = 46 hours; COB Core = 42 hours; Major = 24 hours; Electives = 9 hours

88 \ JACKSON STATE UNIVERSITY

(A 2.0 cumulative average in all courses taken at the University, all courses attempted in the College of Business, and all courses attempted in the major field are required for graduation.)

Bachelor of Business Administration Finance Major

FRESHMAN YEAR

	F	S
UNIV 101 University Success for for Business Majors	2	
ENG 104,105 Composition and Literature	3	3
HIST 101,102 History of Civilization	3	3
MATH 111 College Algebra	3	
MATH 221 Calculus for Business		3
BIO 101/101L, Introduction to Biology & Lab	3	
or or		
SCI 201/201L Physical Science and Lab		
MUS 205 or Music Appreciation or		
ART 206 Art Appreciation		3
MFL 101, 102 Foreign Language or Proficiency*	3	3
(Freshman Year Total: 32 Hours)	17	15

SOPHOMORE YEAR

PE Option 100-Level Activity Course	1	1
ENG 205 World Literature	3	
BPD 325W Business Communications		3
PSY 201 General Psychology	3	
ECO 211 Principles of Macroeconomics	3	
ECO 212 Principles of Microeconomics		3
ACC 211 Principles of Financial Accounting	3	
ACC 212 Principles of Managerial Accounting		3
SPCH 201 or Speech Arts or		
SPCH 216 Public Speaking		3
BPD 200 Introduction to Business	3	
GB 201 Introduction to the Legal Aspects of Business		3
(Sophomore Year Total: 32 Hours)	16	16

JUNIOR YEAR

GB 302 Business Law		3
ECO 311 Intermediate Macroeconomic Theory	3	
ECO 360 Math for Economics & Finance		3
MNGT 330 Management to Organizations	3	
MKT 351 Marketing Management		3
MNGT 482W Business Ethics	3	
FIN 320 Business Finance	3	
ECO 359 Business Statistics		3

MNGT 350C Business Computer Applications	3	
FIN 317 Principles of Insurance		3
(Junior Year Total: 30 Hours)	15	15

SENIOR YEAR

MNGT 333 Quantitative Business Analysis		3
ACC 314 or Intermediate Accounting I or		
ACC 321 or Cost Accounting I or		
ACC 423 Income Tax Accounting	3	
FIN 443 Financial Management	3	
FIN 446 Commercial Banking	3	
FIN 447 Investments		3
FIN 451 Portfolio Management		3
FIN 452 International Finance	3	
MNGT 458W Strategic Management		3
Elective Unrestricted Non-Business Elective	3	
(Senior Year Total: 27 Hours)	15	12

**TOTAL HOURS IN CURRICULUM: 121

*Students who met the foreign language requirement in high school must take 6 hours of non-business electives.

**General Education = 46 hours; COB Core = 42 hours; Major = 24 hours; Electives = 9hours

(A 2.0 cumulative average in all courses taken at the University, all courses attempted in the College of Business and all courses attempted in the major field are required for graduation.)

Bachelor of Business Administration Business Administration Major

FRESHMAN YEAR

	F	S
UNIV 101 University Success for for Business Majors	2	
ENG 104,105 Composition and Literature	3	3
HIST 101,102 History of Civilization	3	3
MATH 111 College Algebra	3	
MATH 221 Calculus for Business		3
BIO 101/101L, Introduction to Biology & Lab	3	
or or		
SCI 201/201L Physical Science and Lab		
MUS 205 or Music Appreciation or		
ART 206 Art Appreciation		3
MFL 101, 102 Foreign Language or Proficiency*	3	3
(Freshman Year Total: 32 Hours)	17	15

SOPHOMORE YEAR

PE Option	100-Level Activity Course	1	1
ENG 205	World Literature	3	
BPD 325W	Business Communications		3
PSY 201	General Psychology	3	
ECO 211	Principles of Macroeconomics	3	
ECO 212	Principles of Microeconomics		3
ACC 211	Principles of Financial Accounting	3	
ACC 212	Principles of Managerial Accounting		3
SPCH 201 or SPCH 216	Speech Arts or Public Speaking		3
BPD 200	Introduction to Business	3	
GB 201	Introduction to the Legal Aspects of Business		3
(Sophomore Year Total: 32 Hours)		16	16

JUNIOR YEAR

GB 302	Business Law		3
FIN 320	Business Finance	3	
MNGT 330	Management to Organizations	3	
MNGT 350C	Business Computer Applications		3
ECO 359	Business Statistics	3	
MKT 351	Marketing Management	3	
ACC 314 or ACC 321 or ACC 423	Intermediate Accounting I or Cost Accounting or Income Tax Accounting	3	
MNGT 333	Quantitative Business Analysis		3
ENTR 381	Entrepreneurship and Small Business Management		3
(Junior Year Total: 27 Hours)		15	12

SENIOR YEAR

MKT 436	Retail Management	3	
MKT 440	Consumer Behavior	3	
ECO 442	Money and Banking		3
MNGT 458	Strategic Management		3
FIN 447	Investments		3
MNGT 452	Human Resource/ Personnel Management	3	
MNGT 482W	Business Ethics	3	
Electives	Unrestricted Business Electives	3	3
Electives	Unrestricted Non-Business Electives		3
(Senior Year Total: 30 Hours)		15	15

****TOTAL HOURS IN CURRICULUM: 121**

*Students who met the foreign language requirement in high school must take 6 hours of non-business electives.

****General Education=46 hours; COB Core=42 hours; Major ACC=24 hours; Electives=9 hours**

(A 2.0 cumulative average in all courses taken at the University, all courses attempted in the College of Business, and all courses attempted in the major field are required for graduation.)

DEPARTMENT OF ENTREPRENEURSHIP AND PROFESSIONAL DEVELOPMENT

Dr. Mary M. White, Associate Professor and Chair
OFFICE: College of Business Building, Suite 332

FACULTY: Associate Professors S. Porterfield, D. Posey;
Assistant Professors J. D. Calhoun, D. Causey, V. McClain;
Instructor M. Curry

The Department of Entrepreneurship and Professional Development offers a major in Entrepreneurship at the undergraduate level. Students successfully completing the program will receive a Bachelor of Business Administration in Entrepreneurship. The degree is comprised of a total of 121 semester hours of which 24 credit hours are major requirements; 9 hours of electives are required (6 hours, restricted; 3 hours unrestricted, non-business).

The academic curriculum for entrepreneurship is designed to expose students to the challenges and opportunities of new venture start-up, the management of developing businesses, and/or the management of existing small businesses and franchises.

MISSION

The mission of the Department of Entrepreneurship and Professional Development is to educate, encourage, and support students in understanding how to successfully implement and operate new business ventures and how to advance their careers through an intensive professional development training program.

The Department of Entrepreneurship and Professional Development will accomplish its mission by:

- Providing students with the necessary tools for careers in the entrepreneurial enterprises.
- Providing valuable information, ideas, concepts and skills to students and area enterprises.

90 \ JACKSON STATE UNIVERSITY

- Focus on building entrepreneurial and professional competencies that broaden student research and analytical ability.

Entrepreneurial Scholars Program: Robert M. Hearin Support Foundation has funded the JSU Entrepreneurial Scholars Program. This program seeks to recruit to JSU the best and brightest young high school men and women who desire to pursue a major in entrepreneurship, the first business major of its kind at any college or university in Mississippi. Further, the intent of this program is to provide these students with the education and tools so that upon graduation they are prepared to start new business ventures, create new jobs, and become vital contributors to the overall economic advancement of the State of Mississippi. Dr. Mary M. White serves as the Director.

Business Professional Development Curriculum. The business professional development curriculum comprises three (3) courses beginning with the first-year student through the Junior year. The BPD components provide opportunities for students in entrepreneurship, self-assessment, image development, credit/money management, goal setting, dressing for success, constructing personal web pages, conducting action research and portfolio development. Students are exposed to interviewing techniques, writing and speaking skills, executive lectures, networking, internship experiences, leadership opportunities and corporate tours. The students' exposure in these areas allow for critical thinking skills, computer application skills and team development skills to be enhanced and strengthened.

UNIV 101	University Success for Bus. Majors	2
BPD 200	Introduction to Business	3
BPD 325W	Business Communications	3
TOTAL HOURS:		8

Bachelor of Business Administration Entrepreneurship Major

FRESHMAN YEAR		F	S
UNIV 101	University Success for for Business Majors	2	
ENG 104,105	Composition and Literature	3	3
HIST 101,102	History of Civilization	3	3
MATH 111	College Algebra		3
MFL 101, 102	Foreign Language or Proficiency*	3	3
MUS 205 or ART 206	Music Appreciation or Art Appreciation		3
PSY 201	General Psychology	3	

BIO 101/101L, Introduction to Biology & Lab

or or
SCI 201/201L Physical Science and Lab 3

(Freshman Year Total: 32 Hours) 17 15

SOPHOMORE YEAR

BPD 200	Introduction to Business	3	
PE Option	100-Level Activity Courses	1	1
ENG 205	World Literature	3	
MATH 221	Calculus for Business	3	
ECO 211	Principles of Macroeconomics	3	
ECO 212	Principles of Microeconomics		3
ACC 211	Principles of Financial Accounting	3	
ACC 212	Principles of Managerial Accounting		3
SPCH 201 or	Speech Arts or		
SPCH 216	Public Speaking		3
GB 201	Introduction to Legal Aspects of Business		3
Elective	Restricted Elective		3

(Sophomore Year Total: 32 Hours) 16 16

JUNIOR YEAR

MNGT 330	Management to Organizations	3	
MKT 351	Marketing Management	3	
ECO 359	Business Statistics		3
ENTR 381	Entrepreneurship & Small Bus Mgmt	3	
ENTR 382	Entrepreneurial Fin., Acct & Control		3
MNGT 350C	Business Computer Applications		3
BPD 325W	Business Communications	3	
FIN 320	Business Finance		3
ENTR 483	Marketing for Entrepreneurs		3
Elective	Restricted Elective		3

(Junior Year Total: 30 Hours) 15 15

SENIOR YEAR

MNGT 333	Quantitative Business Analysis	3	
MNGT 458W	Strategic Management		3
MNGT 482W	Business Ethics	3	
ENTR 482	Financing Entrepreneurship Ventures		3
ENTR 485	Entrepreneurship Senior Project	3	
ENTR 486	Entrepreneurship and International Business		3
ENTR 487	Family Business Management	3	
ENTR 488	Strategies in Entrepreneurship		3
Electives	Unrestricted Non Business Elective	3	

(Senior Year Total: 27 Hours) 15 12

****TOTAL HOURS IN CURRICULUM: 121**

*Students who met the foreign language requirement in high school must take 6 hours of non-business electives.

**General Education = 46 hours; COB Core = 42 hours; Major = 24 hours; Electives = 9 hours.

ENTR Electives Available:

ENTR 380	Foundations of Entrepreneurship	3
ENTR 484	Internship in Entrepreneurial Studies	3

(A 2.0 cumulative average in all courses taken at the University, all courses attempted in the College of Business, and all courses attempted in the major field are required for graduation.)

DEPARTMENT OF MANAGEMENT AND MARKETING

Dr. J. R. Smith, Professor and Chair

OFFICE: College of Business Building, Suite 385

FACULTY: Professor D. Rana; Associate Professors A. Mosley, P. Thiagarajan; Assistant Professors H. Chong, H. Gao, R. Gillon, S. Perkins, J. White

OBJECTIVES

The objectives of the Department of Management and Marketing are to develop the student's understanding of the basic structures and processes of marketing and management, to develop the ability to analyze and deal with marketing and management problems and opportunities, and to prepare students for careers in management and marketing. The Department offers the BBA degree in management and marketing.

Major Requirements:

MANAGEMENT

A minimum of 24 hours of management is required for a degree.

Course No.	Course Title	Hours
ENTR 381	Entrepreneurship & Small Business Management	3
MNGT 353	Production and Operations Management	3
MNGT 416	Organizational Behavior	3
MNGT 452	Human Resource Management	3
MNGT 460	Management Information Systems	3
MNGT 462	International Business	3
MNGT 468	Collective Bargaining	3

MNGT 472W	Managerial Leadership	<u>3</u>
TOTAL HOURS:		24

MARKETING

A minimum of 24 hours of marketing is required for a degree.

Course No.	Course Title	Hours
MKT 432	Advertising	3
MKT 436	Retail Management	3
MKT 438	Marketing Research	3
MKT 440	Consumer Behavior	3
MKT 448	Marketing Channels	3
MKT 450	Personal Selling	3
MKT 462W	Marketing Policies and Strategies	3
MKT 466	International Marketing	<u>3</u>
TOTAL HOURS:		24

Bachelor of Business Administration Management Major

FRESHMAN YEAR		F	S
UNIV 101	University Success for for Business Majors	2	
ENG 104,105	Composition and Literature	3	3
HIST 101,102	History of Civilization	3	3
MATH 111	College Algebra	3	
MATH 221	Calculus for Business		3
BIO 101/101L, or	Introduction to Biology & Lab or		
SCI 201/201L	Physical Science and Lab		3
MFL 101, 102	Foreign Language or Proficiency*	3	3
MUS 205 or ART 206	Music Appreciation or Art Appreciation	3	
(Freshman Year Total: 32 Hours)		<u>17</u>	<u>15</u>

SOPHOMORE YEAR

PE Options	100-Level Activity Courses	1	1
ENG 205	World Literature	3	
BPD 200	Introduction to Business	3	
BPD 325W	Business Communications		3
ECO 211	Principles of Macroeconomics	3	
ECO 212	Principles of Microeconomics		3
ACC 211	Principles of Financial Accounting	3	
ACC 212	Principles of Managerial Accounting		3
GB 201	Introduction to the Legal Aspects of Business	3	
SPCH 201	Speech Arts		3

92 \ JACKSON STATE UNIVERSITY

PSY 201	General Psychology	3		
(Sophomore Year Total: 32 Hours)		<u>16</u>	<u>16</u>	

JUNIOR YEAR

FIN 320	Business Finance	3		
MNGT 330	Management to Organizations	3		
MKT 351	Marketing Management	3		
ECO 359	Business Statistics	3		
MNGT 482	Business Ethics	3		
MNGT 350C	Business Computer Applications	3		
ENTR 381	Entrepreneurship and Small Business Management	3		
MNGT 468	Collective Bargaining	3		
Elective	Unrestricted Non-Business Elective	3		
Elective	Restricted Elective	3		
(Junior Year Total: 30 Hours)		<u>15</u>	<u>15</u>	

SENIOR YEAR

MNGT 333	Quantitative Business Analysis	3		
MNGT 458W	Strategic Management	3		
MNGT 416	Organizational Behavior	3		
MNGT 460	Management Information Systems	3		
MNGT 452	Human Resource/Personnel Management	3		
MNGT 462	International Business	3		
MNGT 472W	Managerial Leadership	3		
MNGT 353	Production & Operation Mgmt.	3		
Elective	Restricted Electives	3		
(Senior Year Total: 27 Hours)		<u>15</u>	<u>12</u>	

****TOTAL HOURS IN CURRICULUM: 121**

*Students who met the foreign language requirement in high school must take 6 hours of non-business electives.

**General Education = 46 hours; COB Core = 42 hours; Major = 24 hours; Electives = 9 hours.

(A 2.0 cumulative average in all courses taken at the University, all courses attempted in the College of Business, and all courses attempted in the major field are required for graduation.)

Bachelor of Business Administration Marketing Major

FRESHMAN YEAR

UNIV 101	University Success for for Business Majors	2		
ENG 104,105	Composition and Literature	3	3	
HIST 101,102	History of Civilization	3	3	
MATH 111	College Algebra	3		
MATH 221	Calculus for Business			3
BIO 101/101L,	Introduction to Biology & Lab			
or	or			
SCI 201/201L	Physical Science and Lab			3
MFL 101, 102	Foreign Language or Proficiency*	3	3	
MUS 205 or	Music Appreciation or			
ART 206	Art Appreciation	3		
(Freshman Year Total: 32 Hours)		<u>17</u>	<u>15</u>	

SOPHOMORE YEAR

PE Options	100-Level Activity Courses	1	1	
ENG 205	World Literature	3		
BPD 200	Introduction to Business	3		
BPD 325W	Business Communications			3
ECO 211	Principles of Macroeconomics	3		
ECO 212	Principles of Microeconomics			3
ACC 211	Principles of Financial Accounting	3		
ACC 212	Principles of Managerial Accounting			3
GB 201	Introduction to the Legal Aspects of Business			3
SPCH 201	Speech Arts			3
PSY 201	General Psychology	3		
(Sophomore Year Total: 32 Hours)		<u>16</u>	<u>16</u>	

JUNIOR YEAR

FIN 320	Business Finance			3
MNGT 330	Management to Organizations	3		
MKT 351	Marketing Management	3		
ECO 359	Business Statistics	3		
MNGT 482	Business Ethics			3
MNGT 333	Quantitative Business Analysis			3
MKT 432	Advertising			3
MNGT 350C	Business Computer Applications	3		
Elective	Unrestricted Non-Business Elective	3		
Elective	Restricted Elective			3
(Junior Year Total: 30 Hours)		<u>15</u>	<u>15</u>	

SENIOR YEAR

MNGT 458W	Strategic Management			3
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MKT 436	Retail Management	3	
MKT 438	Marketing Research	3	
MKT 440	Consumer Behavior	3	
MKT 450	Personal Selling	3	
MKT 448	Marketing Channels	3	
MKT 462W	Marketing Policies & Strategies	3	
MKT 466	International Marketing	3	
Elective	Restricted Elective	3	
(Senior Year Total: 36 Hours)		15	12

****TOTAL HOURS IN CURRICULUM: 121**

*Students who met the foreign language requirement in high school must take 6 hours of non-business electives.

**General Education = 46 hours; COB Core = 42 hours; Major = 24 hours; Electives = 9 hours.

(A 2.0 cumulative average in all courses taken at the University, all courses attempted in the College of Business, and all courses attempted in the major field are required for graduation.)

CAREER SERVICES

Lori Swanier, Director of Placement, Alumni, and Non-Degree Programs

OBJECTIVE

The objective of Career Services is to provide quality programs and services which will support the mission of Jackson State University and the major objectives of the College of Business. The aim is also to service the urban business community by being responsive to requests for professional development workshops, seminars, non-credit and credit courses, and in-house training programs. Management assistance can be provided in identifying training needs, selecting qualified consulting staff, and tailoring programs for organizations to address specific problems. Participants' benefits include improved job performance, certification in appropriate areas, and continued professional growth and development.

In addition, the Office assists in preparing students for responsible leadership roles in business and society and in securing employment positions in the private or public sector.

Also, the Career Services Center offers a Certificate program in Accounting.

Accounting Certificate:

The accounting certificate program is open only to those who hold a baccalaureate degree from an accredited institution. The primary objective of the program is to provide the accounting

course work necessary to qualify for the Uniform CPA Examination in Mississippi. Mississippi (and most other states) also requires that candidates for the CPA exam have a core of business (non-accounting) courses. Therefore, those interested in qualifying for the CPA should contact the Board of Public Accountancy in their respective jurisdiction about requirements for the exam.

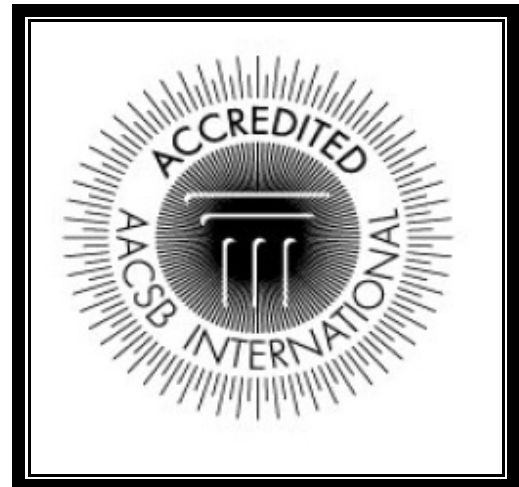
The following courses will be required for this program:

Course	Course Title	Sem. Hrs.
ACC 211	Principles of Financial Accounting	3
ACC 212	Principles of Managerial Accounting	3
ACC 314	Intermediate Accounting	3
ACC 315	Intermediate Accounting	3
ACC 321	Cost Accounting	3
ACC 381	Governmental and NFP Accounting	3
ACC 423	Income Tax Accounting	3
ACC 436	Advanced and International Accounting Problems	3
ACC 455	Auditing	3
FIN 302	Business Law	3
Elective	Accounting Elective	3
Total:		33

Elective is to be selected from the following:

ACC 457	Advanced Auditing
ACC 461	CPA Review I
ACC 473	Advanced Income Tax Accounting
ACC 492	Accounting Information Systems

THE COLLEGE OF BUSINESS IS ACCREDITED BY



**AACSB INTERNATIONAL
(THE ASSOCIATION TO ADVANCE COLLEGIATE
SCHOOLS OF BUSINESS)**



THE COLLEGE OF EDUCATION AND HUMAN DEVELOPMENT

Dr. Daniel Watkins, Dean
Dr. Ingrad C. Smith, Associate Dean
OFFICE: Joseph H. Jackson Building

DEPARTMENT

EDUCATIONAL LEADERSHIP

ELEMENTARY & EARLY CHILDHOOD EDUCATION

HEALTH, PHYSICAL EDUCATION AND RECREATION

SCHOOL, COMMUNITY AND REHABILITATION

COUNSELING

SPECIAL EDUCATION

The College of Education and Human Development has as its primary purpose and responsibility the development, administration, supervision, and evaluation of programs in teacher education and other related human services which support the teaching profession and the mission of the University. It offers programs of professional training in non-teaching areas such as counseling, rehabilitative services and recreation leadership; a certificate program in child care is also available. More specifically, the College of Education and Human Development is responsible for developing and administering quality, comprehensive, career-oriented programs which attract culturally and economically diverse students into the fields of early childhood education, elementary education, health and physical education, recreation, special education, educational administration and supervision, and guidance and counseling. Further, the College of Education and Human Development:

1. Encourages the scientific aspect of education and human services through a strong emphasis on inquiry, research, and publication;
2. Promotes faculty, staff, and student development programs;
3. Provides ongoing programs to enlighten the education community, and promotes cooperation and collaboration between the College of Education and Human Development and other education/human service agencies at the local, state, national and international levels; and
4. Searches for outside assistance to aid in the support of its program offerings.

Conceptual Framework: The Responsive Educator

The College of Education and Human Development (COEHD) provides learning opportunities designed to produce the “Responsive Educator” a completer who demonstrates excellence in learning and leadership. To this end, the COEHD is guided by the Responsive Educator Framework (REF), a conceptual framework that embodies four outcomes that are applicable to all of its faculty, candidates (students), schools, departments, and programs. With reference to its candidates and completers, a “Responsive Educator” is one who provides and embodies:

- **A Committed Response**
- **A Knowledgeable Response**
- **A Skillful Response**
- **A Professional Response**

The **Knowledgeable Response** means demonstrating well-informed, discerning acquaintance with the critically important information and understanding of the teaching profession, field(s) of study, and pedagogy that is necessary to act with decisive and effective purposefulness in the best interests of the learning of all students.

The **Skillful Response** means demonstrating the teaching-related performance abilities, pedagogical and diversity proficiencies that are required to support positive outcomes for all students in educational settings.

The **Committed Response** means being ethically and professionally obligated, pledged and disposed to uphold both a professional and personal affirmation of equity pedagogy—the belief in fairness as fundamental to the educational enterprise, and the conviction that all students can learn.

The **Professional Response** means showing oneself to be a skilled education practitioner who is knowledgeable about schooling and education, well-versed in the standards, ethics, policies, and responsibilities incumbent upon the teaching profession, and both skilled and committed to advocacy that strengthens both the profession and the learning environment it serves.

The overall goal of the COEHD is to ensure that its candidates and completers are eminently qualified to:

- *Demonstrate leadership*
- *Foster learning*
- *Facilitate collaboration*
- *Nurture diversity*
- *Integrate technology*
- *Implement accountability systems*
- *Develop instruction*
- *Advocate wellness*

COEHD program components in teacher education are accredited by the National Council for Accreditation of Teacher Education (NCATE) it holds membership in the American Association of Colleges for Teacher Education (AACTE).

ORGANIZATION

The College of Education and Human Development consists of the following departments and units: School, Community and Rehabilitation Counseling; Elementary and Early Childhood Education; Educational Leadership; Health, Physical Education

and Recreation; Special Education; and the Office of Professional and Field-Based Services.

DEGREES OFFERED

The College of Education and Human Development offers a variety of programs leading to the Bachelor of Science and Bachelor of Science in Education degrees. Degree programs leading to teacher certification include:

- Elementary Education (K-4 and 4-8)
- Special Education
- Social Science Education
- Health, Physical Education, and Recreation (with concentrations in either Health or Physical Education)
- Content areas for Secondary School

Other programs that lead to the Bachelor of Science degree but not to teacher certification include:

- Child Care and Family Education
- Educational Technology
- Ethnic Studies
- Recreation
- Therapeutic Recreation
- Special Education (non-teaching)

Special Note to Students – Certification and licensure requirements are established by the State of Mississippi. These requirements may change after the printing of university catalogs or other materials developed for advisement purposes. The responsibility for successful matriculation leading to the desired certification is therefore; two-fold:

1. Academic advisors are expected to remain abreast of changes that relate to program requirements; and,
2. Students are expected to meet with their advisors each semester before registering for classes.

Most school districts require a background check for all employees.

PROFESSIONAL EDUCATION COUNCIL

The professional education programs at Jackson State University are organized, unified and coordinated by the Professional Education Council which consists of graduate and undergraduate student representatives, university faculty both within and external to the College of Education and Human Development, representatives from the University's Graduate Council, Curriculum Committee and University College, practicing professionals, and the Dean of the College of Education and Human Development. The Professional

Education Council forms the governance system for the unit. Its major functions are to:

1. Define the professional education program consistent with the overall mission of the University;
2. Establish and approve policies governing the design, development, implementation, and evaluation of basic and advanced programs in professional education;
3. Approve the admission of students into professional education programs;
4. Identify and recommend instructional and laboratory experiences in relationship to the teacher-preparation model, state certification standards, and the recommendations of learned societies; and
5. Serve as a monitoring unit for the quality of program activities, operations, and student outcomes.

The Dean and Associate Dean of the School of Instructional Leadership serves as Chairperson and Co-Chairperson, respectively. The Director of Professional and Field-Based Experiences serves as Executive Director. Meetings of the Council are held a minimum of three times each semester during the fall and spring. As an instructional committee, the Professional Education Council reports to the Vice President for Academic Affairs.

THE OFFICE OF PROFESSIONAL AND FIELD-BASED EXPERIENCES

Dr. Tracy Knight Lackey, Associate Professor and Interim Director

OFFICE: Joseph H. Jackson Building, Room #103, Telephone: (601) 979-2335

The Office of Professional and Field-Based Experiences provides general administrative oversight for teacher education programs and has the primary responsibility for coordinating admissions to teacher education and field-based experiences. The office administers the five-stage program for structured, real-world practice in the delivery of required clinical and field-based experiences at both the basic and the advanced levels. Thus, all internships, field, clinical and student teaching experiences are under the auspices of this office. The office is also responsible for the evaluation of transcripts of applicants seeking teacher certification.

STUDENT SUPPORT SERVICES CENTER

In addition to the assignment of program advisors, the College of Education and Human Development students are provided a general advising center where initial or temporary advisement is provided, problem-solving and counseling assistance is

available as well as information regarding academic activities. The Center manages the student appeals process for those who feel aggrieved in their relationship with the College, its policies, practices, procedures or its faculty and staff.

BEATRICE B. MOSLEY CENTER FOR EXCELLENCE IN EDUCATION

The Center is a support unit and is designed to serve as a catalyst for promoting excellence in teaching, learning and research within the College of Education and Human Development throughout all teacher education programs at Jackson State University. The primary focus of the Center is to encourage and support collaborative research and professional development for faculty, students and staff; especially as these efforts relate to the urban mission of the University.

LOTTIE W. THORNTON EARLY CHILDHOOD LABORATORY CENTER

The Early Childhood Laboratory Center provides childcare services for faculty, students, and the general community and serves a multi-purpose in the area of teacher education. It offers diversified laboratory experiences for graduate and undergraduate students in cognitive, psychomotor and the social development of young children. It facilitates the curriculum and research efforts of university students and faculty.

PROFESSIONAL TEST PREPARATION CLINIC

The Professional Test Preparation Clinic, a computerized facility, is designed to facilitate the College of Education and Human Development's efforts to improve the performance of undergraduate and graduate students on standardized tests. General testing strategies, thinking, reading, and listening skills are emphasized.

CLEOPATRA D. THOMPSON CURRICULUM CENTER

The Center provides a variety of multimedia resources to support the objectives of the College of Education and Human Development and houses the Professional Educators Production Center that also aids graduates during their induction year as well as a wealth of professional and instructional materials and related equipment for faculty and students. The Center serves the objectives of programs in the College by locating, collecting, organizing, promoting, and distributing learning resources for use by faculty and students as individuals and groups. It provides leadership in the utilization, experimentation, and evaluation of the best possible arrangements of materials for teaching and learning; selection

and utilization of learning resources available; and provides facilities for assistance in the production of instructional materials, displays and demonstrations.

JOSEPH H. JACKSON ENDOWED CHAIR IN EDUCATION

The Joseph H. Jackson Endowed Chair in Education was established in 1987 by a \$200,000 gift from Dr. Jackson toward the \$500,000 chair. This is the first endowed chair to be established in the history of the University, and it is named for one of the University's most distinguished alumni. The interest funds generated from the endowment will enable JSU to attract outstanding faculty members in the area of education and will provide them with the resources to pursue qualitative teaching and research.

Requirements for Admission to Teacher Education:

Students enrolled in EDCI 100–Introduction to Education–will be given regulations and policies regarding admission to teacher education. Students may obtain the Handbook for Teacher Education from the Office of Teacher Education.

Students with a grade point average of 2.50 or higher, may apply for admission to teacher education that have:

1. Completed 44 hours of the core curriculum.
2. Obtained and submitted official recommendation forms completed by the appropriate department chair and the academic advisor.
3. Provide evidence of the required tests scores:
 - a. Composite score, at the time of admission to the University, 21 on the ACT, with no subtest score below 18; or
 - b. Praxis I Area Examination with minimum scores of: Reading 170, Writing 172, and Math 169; or
4. Submit a complete application package.
5. Successfully complete an interview.

The complete application package can be obtained from the Office of Teacher Education.

Admission Requirements to Student Teaching:

Admission to the Teacher Education Program does not guarantee admission to student teaching. Each student must file an application for approval by the Director of Teacher

Education. Supervised student teaching is required for teacher certification by the State of Mississippi and most other states. At Jackson State University, 12 semester hours are earned from successful student teaching. The program is an off-campus, full-day assignment for a period of 12 weeks; therefore, students may not register for other courses while student teaching without the explicit permission of the Dean of the College of Education and Human Development and the Director of Teacher Education. Student teachers are responsible for travel and housing during this field experience.

The requirements for admission to student teaching are as follows:

1. Admission to teacher education;
2. Completion of the application packet;
3. A cumulative grade point average of at least 2.50;
4. Completion of all major/specialized courses (except course in which presently enrolled);
5. Submission of required minimum scores on teacher licensure tests: Praxis II–Principals of Learning and Teaching–and Praxis II–Specialty Area Test.

Students making a request to take one course in the evening while student teaching must have a grade point average of 3.0 or better to be considered. Requests to take professional courses while student teaching will be denied.

Exit Requirements for Certification

1. Attend exit seminar.
2. Complete and submit licensure application package.
3. Submit two copies of transcripts that show the degree conferred; one of which must be an official copy.
4. Submit appropriate test scores.
5. Complete personal data sheet.

STANDARD TEN CURRICULUM REQUIREMENTS

Elementary Education:

K-4 Early Childhood Interdisciplinary Curriculum

GENERAL EDUCATION COURSES

Reasoning Communication:

ENG 104	Composition	3 hrs
ENG 105	Composition	3 hrs
ENG 205	World Literature	3 hrs
FLG 101	Elementary French or Spanish	3 hrs
FLG 102	Elementary French or Spanish	3 hrs
MATH 111	College Algebra	3 hrs

98 \ JACKSON STATE UNIVERSITY

Humanities:

ART 206	Art Appreciation	3 hrs
ENG 218	Advanced Composition	3 hrs
HIST 101	History of Civilization	3 hrs
HIST 102	History of Civilization	3 hrs
MUS 205	Music Appreciation	3 hrs
PHIL 301	Introduction to Philosophy	3 hrs
SPCH	Speech Option	3 hrs

Social/Behavioral Science:

HE 102	Concepts of Health	3 hrs
PSY 201	General Psychology	3 hrs
SS 201	Social Institutions	3 hrs
UNIV 100	Concepts of Success	2 hrs

Natural and Applied Science:

BIO 101	Introduction to Biology	3 hrs
MATH 226	Concepts Structure in Math	3 hrs
SCI 201	Physical Science	3 hrs

PROFESSIONAL EDUCATION COURSES (21 HOURS)

EDCI 100	Introduction to Education	3 hrs
*EDCI 301	Communication Arts	3 hrs
*EDCI 401	Research Classroom Management and Clinical Practice	3 hrs
*EDCI 402	Clinical Internship in Student Teaching	12 hrs
EDFL 367	Measurement and Evaluation	3 hrs
GUID 215	Human Development Learning	3 hrs
RE 209	Introduction to Reading	3 hrs
RE 311	Strategies Tech. Teaching Reading	3 hrs
SS 301	Law and Our Social System	3 hrs

Interdisciplinary Natural/Behavioral Science Courses:

CSC 115	Digital Computer Principles	3 hrs
HIST 202	United States Survey	3 hrs
MATH 103	Elementary Concepts Geometry	3 hrs
MATH 112	Plane Trigonometry	3 hrs
SCI 202	Physical Science	3 hrs
SCI 403	Seminar in Science	3 hrs
**SPED 311	Exceptional Children and Youth	3 hrs
SS 211	Ethnic Studies Survey	3 hrs
	Electives	6 hrs

Total Hours: 128

* 75% Clinical and field-based

** Exempt from Standard 10

Elementary Education:

K-4 and 4-8 Interdisciplinary Curriculum (2 Concentration Areas Required)

GENERAL EDUCATION COURSES

Reasoning and Communication:

ENG 104	Composition	3 hrs
ENG 105	Composition	3 hrs
ENG 205	World Literature	3 hrs
FLG 101	Elementary French or Spanish	3 hrs
FLG 102	Elementary French or Spanish	3 hrs
MATH 111	College Algebra	3 hrs

Humanities:

ART 206	Art Appreciation	3 hrs
ENG 218	Advanced Composition	3 hrs
HIST 101	History of Civilization	3 hrs
HIST 102	History of Civilization	3 hrs
MUS 205	Music Appreciation	3 hrs
PHIL 301	Introduction to Philosophy	3 hrs
SPCH	Speech Option	3 hrs

Social/Behavioral Science:

HE 102	Concepts of Health	3 hrs
PSY 201	General Psychology	3 hrs
SS 201	Social Institutions	3 hrs
UNIV 100	Concepts of Success	2 hrs

Natural and Applied Science:

BIO 101	Introduction to Biology	3 hrs
MATH 226	Concepts Structure in Math	3 hrs
SCI 201	Physical Science	3 hrs

PROFESSIONAL EDUCATION COURSES (21 HOURS)

EDCI 100	Introduction to Education	3 hrs
*EDCI 301	Communication Arts	3 hrs
*EDCI 401	Research Classroom Management and Clinical Practice	3 hrs
*EDCI 402	Clinical Internship in Student Teaching	3 hrs
EDFL 203	History Cultural Foundation of Educatn	3 hrs
EDFL 367	Measurement and Evaluation	3 hrs
GUID 215	Human Development Learning	3 hrs
RE 209	Introduction to Reading	3 hrs
RE 311	Strategies Tech. Teaching Reading	3 hrs
SS 301	Law and Our Social System	3 hrs

Interdisciplinary Natural/Behavioral Science Courses**:

CSC 115	Digital Computer Principles	3 hrs
HIST 202	United States Survey	3 hrs
MATH 103	Elementary Concepts Geometry	3 hrs
MATH 112	Plane Trigonometry	3 hrs
SCI 202	Physical Science	3 hrs

SCI 403	Seminar in Science	3 hrs
**SPED 311	Exceptional Children and Youth	3 hrs
SS 211	Ethnic Studies Survey	3 hrs

Total Hours: 134

* 75% Clinical and field-based

** Exempt from Standard 10

Secondary Education:

GENERAL EDUCATION COURSES

(Courses may differ depending upon major)

Reasoning and Communication:

ENG 104	Composition	3 hrs
ENG 105	Composition	3 hrs
ENG 205	World Literature	3 hrs
FLG 101	Elementary French or Spanish	3 hrs
FLG 102	Elementary French or Spanish	3 hrs
MATH 111	College Algebra	3 hrs

Humanities and Fine Arts:

ART 206	Art Appreciation	3 hrs
ENG 206	World Literature	3 hrs
HIST 101	History of Civilization	3 hrs
HIST 102	History of Civilization	3 hrs
MUS 205	Music Appreciation	3 hrs
PHIL 301	Introduction to Philosophy	3 hrs

Social/Behavioral Science:

HE 102	Concepts of Health	3 hrs
PSY 201	General Psychology	3 hrs
SS 201	Social Institutions	3 hrs
SS 301	Law and Our Social System	3 hrs
UNIV 100	Concepts of Success	2 hrs

Natural and Applied Science:

BIO 101	Introduction to Biology	3 hrs
MATH 226	Concepts Structure in Math	3 hrs
SCI 201	Physical Science	3 hrs

PROFESSIONAL EDUCATION COURSES (15 HOURS)

EDCI 100	Introduction to Education	3 hrs
*EDCI 401	Research Classroom Management and Clinical Practice	3 hrs
*EDCI 402	Clinical Internship in Student Teaching	12 hrs
EDFL 203	History Cultural Foundation of Educatn	3 hrs
EDFL 367	Measurement and Evaluation	3 hrs
GUID 215	Human Development Learning	3 hrs
RE 455	Diagnostic Reading/Secondary Educatn	3 hrs
SPED 311	Exceptional Children and Youth (Exempt from Standard 10)	3 hrs

Major Concentration Area Requirements

Hours

Art.	54
Biology.....	25
Chemistry.....	31.5
Business Education.	25
English.....	30
Industrial Arts.....	33
Mathematics.....	45
Speech.	24
Social Science.	24
Music.....	70.5
Physics.....	29
French.....	27
Spanish.....	27
Science Education.	9

* 75% Clinical and field-based

** A Collateral Natural/Behavior Sciences Requirement

BOARD OF TRUSTEES OF STATE INSTITUTIONS OF HIGHER LEARNING

POLICY CONCERNING ADMISSION TO TEACHER EDUCATION PROGRAMS (Passed at its regular meeting - August 20, 1981)

Beginning with the admittance to teacher education sequence, students who desire to be admitted to a professional teacher education program (not just admitted to college, school, or department of education) at an institution under the governance of the Board of Trustees of State Institutions of Higher Learning must have first successfully passed a test that will be used to determine the student's command of the basic educational skills and general education knowledge. The students described above would typically be in their sophomore year and would be beginning the normal full sequence of professional education courses in their junior year.

Teacher Certification

Degree Holding Teachers with a Class "A" Standard Certificate Applying for a Supplemental Endorsement

"Supplemental Endorsements" are certification areas requiring less extensive training added to a standard certificate. "Supplemental Endorsements" areas include driver education, gifted education, computer education, and remedial reading. An individual receiving an "endorsement" in an identified area in certified to teach in that identified area.

100 \ JACKSON STATE UNIVERSITY

A teacher with a valid Mississippi standard endorsement may acquire an “additional endorsement” area by completing an approved program in the requested area.

Class of License for Degree Teachers

A “Class A” License requires a baccalaureate degree. Class A is the entry for all teachers.

A “Class AA” License requires a master’s degree. Class AA is the entry level for Audiology, Emotionally Handicapped, Speech Language Specialist, School Psychometries, Guidance Counselor, and Administrator Supervisor.

A “Class AAA” License requires a specialist degree. Class AAA is the entry level for school psychologists.

A “Class AAAA” License requires a doctoral degree.

All certification regulations are addressed through the Office of Teacher Education.

DEPARTMENT OF SCHOOL, COMMUNITY AND REHABILITATION COUNSELING

Dr. Jean M. Farish, Professor and Chair

**OFFICE: Joseph H. Jackson Building, Room #319,
Telephone: (601) 979-2361**

FACULTY: Professors Frank Giles, Gloria Dansby-Giles, Jean Farish; Associate Professors D. Porter, R. Lewis; Assistant Professors R. Arnold, R. Fults-McMurtery, A. Gil-McGee, L. Johnson, N. Yazdani

The Department of School, Community and Rehabilitation Counseling offers degree programs at the graduate level and service courses at the undergraduate level. Its programs lead to a Master of Science Degree, a Master of Science in Education Degree as well as an Educational Specialist Degree. These programs prepare students for psychometry and counseling careers in human and social service agencies, colleges, and schools.

This department offers a limited number of courses at the undergraduate level. Courses offered are: COUN 315–Human Growth and Development, a professional education course; and COUN 406–Introduction to Professional Counseling, offered in the General Education requirements for all entering freshmen.

A major in this subject area is appropriate for students who wish to prepare for a counseling career either in secondary, middle or elementary schools; in community agencies or other

settings. The required courses parallel the subject area requirement of the State of Mississippi and most other states. These programs are offered only at the graduate level and lead to either the Master of Science Degree or the Master of Science in Education Degree, and Specialist in Education Degrees. For a description of these programs consult the Graduate Bulletin.

DEPARTMENT OF ELEMENTARY AND EARLY CHILDHOOD EDUCATION

Dr. Rodney Washington, Associate Professor and Chair

**OFFICE: Joseph H. Jackson Building, Room #311,
Telephone: (601) 979-2336**

FACULTY: Professor V. Taylor; Associate Professors L. Channell, B. Ngwudike, J. Yin; Assistant Professors W. Brown, S. Davidson, B. Fish, T. Harris, T. Latiker

The Department of Elementary and Early Childhood Education offers the Bachelor of Science in Education Degree in Elementary Education and the Bachelor of Science Degree and a certificate program in Child Care and Family Education. Elementary and Early Childhood Education has as a mission to prepare responsive educators to work with learners of all ages, infancy through persons seeking to teach in public school settings. Additionally the department prepares personnel to teach in private kindergartens, day care centers, and education programs operated by community agencies, businesses and industry. Training focuses upon curriculum studies and the appropriate instructional methodologies for each population and community setting.

OBJECTIVES

The major objectives for the department of Elementary and Early Childhood Education are to produce educators who:

1. Are responsive in the fields of Early Childhood/Elementary Education and Reading who meet certification requirements at the A, AA, AAA levels (the AAAA certification is also offered in Early Childhood Education);
2. View the profession of education as most influential in the advancement of mankind; and
3. Understand and have as a primary goal to help children develop into citizens who will enhance the advancement of humanity.

Student Outcome Measures

Courses and experiences support the development of independent thinking, effective communication, the making of

relevant judgments, professional collaborating, effective and responsive participation in the educational system, the discrimination of values in the educational arena, and professional ethics.

Students will be able to:

- understand child development from birth to adolescence.
- apply psychological and sociological concepts.
- observe, manage and assess the behavior of children in order to plan an appropriate instructional program and learning environment.
- develop, implement and assess activities designed to provide experiences that enable children to become competent in all content subject areas.
- develop, implement, and evaluate instructional activities to facilitate independent learning and decision-making skills in young children and early adolescents.
- plan instructional activities and strategies for working with parents and other adults in the home, school, and community.

Students pursuing a major in elementary education may elect one of two options:

- Bachelor of Science in Education for Elementary Education: Grades K - 4.
- Bachelor of Science in Education: Grades K - 8.

REQUIREMENTS FOR A MAJOR

Bachelor of Science in Education: K - 4 Elementary Education Major

FRESHMAN YEAR

	F	S
ENG 104,105 Composition	3	3
HIST 101,102 History of Civilization	3	3
MATH 111 College Algebra	3	
HE 102 Concepts Health for Teachers		3
BIO 101 Introduction to Biology	2	
BIOL 101 Introduction to Biology Lab	1	
UNIV 100 Concepts Success in College	2	
EDCI 100 Introduction to Education		3
SS 201 Intro to Social Institutions		3
FLG 101,102 Modern Foreign Language	3	3

(Freshman Year Total: 35 Hours)

17 18

SOPHOMORE YEAR

ENG 205 World Literature	3
SCI 201, SCIL 201 Physical Science and Lab	3
SPCH 201 Speech Arts/Option	3
SS 203 Historical & Cultural Foundation	3
MUS 205 Music Appreciation	3
ART 206 Art Appreciation	3
ENG 218 Advanced Composition	3
RE 204 Pre-Reading Skills	3
MATH 226 Concepts Structure of Math	3
COUN 315 Human Development & Learning	3

(Sophomore Year Total: 30 Hours)

15 15

JUNIOR YEAR

ETEC 367 Assess., Measrmnt, & Evaluation	3
EDCI 301 Communicative Arts	3
RE 310 Teaching Reading in Content Areas	3
SPED 311 Exceptional Child & Youth	3
SCI 205 Earth & Space Science	3
RE 309 Early Literacy I	3
SS 301 Law in Social Systems	3
RE 312 Early Literacy II	3
MATH 306 Elem. Concepts of Geometry	3
ETEC 336 Utilization of Multi-Media Res.	3
EDCI 401 Research Theory of Classroom Mgmt	3

(Junior Year Total: 33 Hours)

18 15

SENIOR YEAR

PHIL Option Logic/Intro to Philosophy	3
SCI 403W Seminar in Science	3
RE 311 Strategies for Teaching Reading in Elementary Schools	3
RE 455 Diagnostic Reading Instruction	3
EDCI 402 Clinical Internship & Student Tchng	12

(Senior Year Total: 24 Hours)

12 12

TOTAL HOURS: 122

Professional Education Total: 18 Hours

NOTE: Students scoring below 16 in English on the ACT will be placed in CS 002. Students scoring below 16 on the reading section of the ACT will be placed in RE 002. Students scoring below 16 in Mathematics on the ACT will be placed in MATH 002. Students scoring above 16 in Mathematics on the ACT will be placed in MATH 004.

102 \ JACKSON STATE UNIVERSITY

Students have a choice of enrolling in one or more of the following languages to complete six (6) hours of credits unless they have two years of foreign language in high school: Spanish 101, 102; French 101, 102; German 101, 102. Students who have taken 2 years of the same language and have maintained a "C" average are exempt.

Students may take either a 300 or 400 level course other than EDUCATION prefix courses.

Teacher Education majors who have not been admitted to teacher education will not be permitted to enroll in more than six (6) semester hours of professional education or advanced level courses (300 and 400 level).

Persons who desire the 4-8 endorsement should matriculate under the K - 4 (Early Childhood Education) and 4 - 8 (Interdisciplinary Curriculum) Elementary Education, which includes two concentration areas.

Bachelor of Science in Education: K - 8 Major

FRESHMAN YEAR		F	S
ENG 104,105	Composition	3	3
HIST 101,102	History of Civilization	3	3
MATH 111	College Algebra	3	
BIO 101	Introduction to Biology	2	
BIOL 101	Introduction to Biology Lab	1	
UNIV 100	Concepts Success in College	2	
FLG 101,102	Modern Foreign Language	3	3
HE 102	Concepts Health for Teachers		3
EDCI 100	Introduction to Education		3
(Freshman Year Total: 32 Hours)		17	15

SOPHOMORE YEAR

ENG 205	World Literature	3	
SCI 201,			
SCIL 201	Physical Science and Lab	3	
SPCH 201	Speech Arts	3	
ART 206	Art Appreciation	3	
SS 203	Historical & Cultural Foundations	3	
MUS 205	Music Appreciation		3
RE 204	Pre-Reading Skills		3
MATH 226	Concepts Structure of Math		3
Elective	Concentration Areas		3
Elective	Concentration Areas		3
(Sophomore Year Total: 30 Hours)		15	15

JUNIOR YEAR

ETEC 367	Assess, Measrmnt, & Evaluation	3	
EDCI 301	Communicative Arts	3	
RE 310	Teaching Reading in the Content Areas		3
SPED 311	Exceptional Child & Youth	3	
RE 309	Early Literacy I	3	
SS 301	Law in Social Systems		3
RE 311	Strategies Teaching Reading in The Elementary School		3
RE 312	Early Literacy II		3
MATH 306	Elem. Concepts of Geometry		3
ETEC 336	Utilization of Multi-Media Res.		3
EDCI 401	Research, Classroom Management and Clinical Practice		3
(Junior Year Total: 33 Hours)		15	18

SENIOR YEAR

SCI 403W	Seminar in Science	3	
RE 455	Diagnostic Reading Instruction	3	
PHIL xxx	Logic or Intro to Philosophy	3	
Electives	Concentration Areas	6	
EDCI 402	Clinical Internship in Student Tchng		12
(Senior Year Total: 27 Hours)		15	12

TOTAL HOURS: 122

(Total includes reading as one of the concentration areas.)

NOTE: Students scoring below 14 in English on the ACT or below 57 on TASK will be placed in CS 002. Students scoring below 60 on the reading section of the TASK will be placed in RE 002. Students scoring below 16 in Mathematics on the ACT will be placed in MATH 002. Students scoring above 16 in Mathematics on the ACT will be placed in MATH 004.

Students have a choice of enrolling in one or more of the following languages to complete six (6) hours of credits unless they have two years of foreign language in high school: Spanish 101, 102; French 101, 102; German 101, 102. Students who have taken 2 years of the same language and have maintained a "C" average are exempt.

Students pursuing a major in Education for grades K - 8 must identify and complete two areas of concentration. Each area of concentration requires 18 hours for a total of 36 hours. Students should consult their academic advisor for the specific requirements for each area of concentration. The areas of concentration students may pursue include:

English
Mathematics

Science
 Social Studies
 Special Education (endorsement)
 Reading
 Foreign Language
 Art
 Music

The total number of hours may vary for different students depending on the area(s) of concentration selected.

For add-on endorsements in Special Education, Mild-Moderate: K - 8 (Code 223); see Department of Special Education.

**Bachelor of Science:
 Early Childhood Education
 (Pre-Kindergarten–K, Licensure Track)**

FRESHMAN YEAR		F	S
ENG 104,105	Composition	3	3
HIST 101,102	History of Civilization	3	3
MATH 111	College Algebra	3	
BIO 101	Introduction to Biology	2	
BIOL 101	Introduction to Biology Lab	1	
UNIV 100*	Concepts Success in College	2	
FLG 101,102	Modern Foreign Language	3	3
HE 102	Concepts Health for Teachers		3
EDCI 100	Introduction to Education		3
(Freshman Year Total: 32 Hours)		17	15

Advisement Conf. _____ Date _____
 Assessment of key courses _____

SOPHOMORE YEAR

ENG 205	World Literature	3	
SCI 201,			
SCIL 201	Physical Science and Lab	3	
SPCH 201	Speech Arts	3	
ART 301	Art for Children		3
SS 203	Historical & Cultural Foundations	3	
MUS 203	Music for Children	3	
RE 204	Pre-Reading Skills		3
EDCI 121	Innovations, Pblms-Infant, Toddler		3
ENG 218	Advanced Composition		3
EDCI 220	Teaching and Learning Styles		3
(Sophomore Year Total: 30 Hours)		15	15

Advisement Conf. _____
 Praxis I Score ____ Score ____ GPA ____
 Admission to Teacher Ed. _____

JUNIOR YEAR

EDCI 401***	Theory, Research, Classroom Mgmt	3	
RE 309	Early Literacy I	3	
RE 310	Teaching Reading in the Content Areas	3	
MATH 226	Concepts & Structure of Math	3	
SS 301	Law in Social Systems	3	
EDCI 305	Studies in Child Guidance		3
SPED 311	Survey of Exceptional Studies		3
PHIL xxx	Philosophy Option ****		3
RE 311	Strategies Teaching Reading		3
MATH 306	Elem. Concepts of Geometry		3
(Junior Year Total: 33 Hours)		15	15

Advisement Conf. _____
 Praxis II Score _____ PLT _____
 Admission to Student Teaching _____

SENIOR YEAR

EDCI 303	Parent, Child, Teacher Instructor	3	
ETEC 367	Assessment, Measure Evaluation	3	
EDCI 400	Theories & Principles of Childhood Education	3	
SCI 401C	Science for Children	3	
RE 312	Early Literacy II	3	
EDCI 402	Clinical Internship in Student Tchng		12
(Senior Year Total: 27 Hours)		15	12

Substituted Courses _____
 Graduation Clearance: Form I-Application, Form II-Evaluation and Exit Interview by Advisor, Department Chair, and Dean, Filing Form III-Graduation Clearance

TOTAL HOURS: 122

* Candidates who transfer 12 or more hours of college credit are exempt from UNIV 100–Concepts for Success in College.

** Candidates who have completed two years of a single foreign language in high school with a grade of “C” or better are exempt from foreign language requirements.

*** Restricted course that requires full admission to the Office of Teacher Education before enrollment.

**** Any Philosophy, Logic, or Theology course will suffice.

104 \ JACKSON STATE UNIVERSITY

Bachelor of Science: Child Care and Family Education (Non-Certification)

FRESHMAN YEAR		F	S
UNIV 100	Concepts Success in College	2	
MATH 111	College Algebra	3	
HE 102	Concepts Health for Teachers		3
ENG 104,105	Composition	3	3
HIST 101,102	History of Civilization	3	3
FLG 101,102	Modern Foreign Language	3	3
BIO 101	Introduction to Biology	2	
BIOL 101	Introduction to Biology Lab	1	
EDCI 100	Introduction to Education		3
SS 202	Intro to Social Institutions		3
(Freshman Year Total: 35 Hours)		17	18

SOPHOMORE YEAR

ENG 205	World Literature	3	
SCI 201,			
SCIL 201	Physical Science and Lab	3	
SPCH 201	Speech Arts/Option	3	
ENG 218	Advanced Composition		3
ART 206	Art Appreciation	3	
SS 203	Historical & Cultural Foundations	3	
MUS 203	Music for Children		3
PSY 201	General Psychology		3
EDCI 120	Practical Child Care Experience		3
EDCI 208	Math Early Childhood Education		3
(Sophomore Year Total: 30 Hours)		15	15

JUNIOR YEAR

EDCI 121	Innov., Prob., & Issues Childcare	3	
ETEC 336	Utilization of Multi-Media	3	
SPED 311	Exceptional Child & Youth		3
EDCI 220	Teaching and Learning Styles	3	
EDCI 221	Admin. Child Care Services	3	
LS 301	Literature for Children	3	
ART 301	Art for Children	3	
PSY 304	Child Psychology		3
PHIL xxx	Philosophy Option		3
RE 204	Pre-reading Skills		3
MATH 226	Concepts Structures of Math		3
(Junior Year Total: 33 Hours)		18	15

SENIOR YEAR

EDCI 303	Parent, Child, Teacher Interaction	3	
EDCI 305	Studies in Child Guidance	3	

EDCI 400	Theory Prin in Early Childhood Ed.	3	
SCI 401	Science for Children	3	
SS 401	Social Science for Children		3
ENG 401	Language Arts for Children		3
PE 445	Physical Education for Children		3
EDCI 320	Field Experience in Child Care		3

(Senior Year Total: 24 Hours) 12 12

TOTAL HOURS: 122

Teacher Education majors who have not been admitted to teacher education **will not** be permitted to enroll in more than six (6) semester hours of advanced level education courses (300 and 400 level).

CHILD CARE AND FAMILY EDUCATION CERTIFICATE PROGRAM

The Department of Elementary and Early Childhood Education offers a Child Care and Family Education Certificate Program. It is a no-teacher certification program.

PURPOSE: To train students as quality child care providers of infants, toddlers, preschoolers, and as family educators. The curriculum includes a comprehensive study of growth and development of content and materials; the evaluation of child care procedures; the exploration of leadership styles; and opportunities to engage in practical learning experiences.

CURRICULUM REQUIREMENTS

Course	Course Title	Hours
EDCI 120	Practical Child Care Experiences	3
EDCI 121	Innovations Prob. Issues Child Care	3
EDCI 122	Family Dynamics and Interpersonal Relations in Child Care	3
EDCI 220	Teach Learning Styles Young Children	3
EDCI 221	Administration Child Care Service	3
EDCI 320	Field Experiences in Child Care	3
TOTAL:		18

DEPARTMENT OF EDUCATIONAL LEADERSHIP

Dr. Carrine H. Bishop, Chair

OFFICE: Joseph H. Jackson Building - 217

FACULTY:

Professors: J. Franklin, T. Otieno, L. Sanders; Associate Professor: A. Yeboah, C. Bishop, Z. Gaye, S. McLaurin, D. Thurston, L. Wilson; Assistant Professors: L. Gentry, A. Gupta, L. Little, J. McClinton, E. Turner, P. Vandecar, M. Omoregie, R. Walker

OBJECTIVES

The objectives of the Department of Educational Leadership are to guide the student:

- To demonstrate knowledge of and skill in applying basic principles undergirding the selection and utilization of methods, techniques and devices which facilitate effective program development in various educational models.
- To locate, interpret and apply research pertinent to educational problems.
- To exhibit competency in conducting independent original research.
- To derive the greatest benefits from classroom experiences as prepared prospective teachers skilled in the techniques of instruction.
- To serve as facilitators for the total process of teaching and learning.
- To develop competencies and professional leadership skills through the advancement of knowledge and research that enables him/her to assume major leadership roles in diverse communities.
- To prepare educational technologists, teachers, principals, supervisors, superintendents, and other supervising and administrative personnel for businesses and agencies.
- To develop understanding of the basic logical processes and resources useful in information retrieval.
- To demonstrate knowledge of how to utilize knowledge of the social sciences and social studies in planning and implementing effective lessons.

Student Outcome Measures

Through curriculum experiences of the Responsive Educator Framework, students will:

- gain competence in the origin and historical development of various cultures throughout the world.
- gain competence in the nature of government in modern society.
- gain competence in the principles and processes underlying current problems and practices in various economic systems.
- gain competence in the diverse behavior of people in different parts of the world.
- gain competence in the earth's natural resources as a limiting conditioning influence upon the development of human culture as a source of political and economic power.
- gain competence in the coordination and reciprocal reinforcement among the various disciplines of the social studies.
- gain competence in the structure, key concepts, methodology, and generalizations in the various disciplines of the social studies.
- gain competence in the knowledge of content and experience which provide a knowledge and understanding of the contributions and roles of women and the difference racial, ethnic, and religious groups within a given pluralistic society.
- gain competence in the study of current affairs including controversial issues.
- gain competence in using technology, in studying and understanding technological issues and developments in modern societies.

This Department offers a bachelors degree in Social Studies, Social Science, and Ethnic Studies. This program prepares individuals in various diverse settings such as, human resource, community organizations, social justice, nonprofit organizations, culturally diverse environments, human rights, feminism, and community and international development related to the United Nations and other international organization.

OBJECTIVES

The objectives are to guide students:

- To demonstrate knowledge of how to utilize knowledge of social science and social studies in planning and implementing effective lessons.
- To develop understanding of the basic logical processes and resources useful in information retrieval.
- To serve as facilitators for the total process of growing and learning.
- To locate, interpret, and apply research pertinent to social, cultural, and educational problems.
- To investigate and analyze the dynamic relationship between schooling, education, diverse cultures and societies with interpretive, normative, critical and comparative theory and methods.
- To derive the greatest benefits from classroom experiences as prepared prospective teachers skilled in the techniques of instruction.

STUDENT OUTCOMES

Students will:

- Gain competence in the original and historic development of various cultures
- Gain competence in the nature of government
- Gain competence in the diverse behavior of people in different parts of the world
- Gain competence in the reciprocal reinforcement among the various disciplines of the social studies
- Gain competence in the study of current affairs including controversial issues
- Be prepared to be productive citizens
- Be prepared to be lifelong learners and critical thinkers

REQUIREMENTS FOR A MAJOR**Bachelor of Science in Education:
Social Science (Certification) Major**

FRESHMAN YEAR		F	S
ENG 104,105	Composition	3	3
HIST 101,102	History of Civilization	3	3
MATH 111	College Algebra	3	
HE 101	Concepts Health for Teachers	3	
BIO 101	Introduction to Biology		2
BIOL 101	Introduction to Biology Lab		1
UNIV 100	Concepts Success in College	2	
SS 111W	Black Studies		3
EDCI 100C	Introduction to Education		3
FLG 101,102	Modern Foreign Language	3	3
(Freshman Year Total: 35 Hours)		<hr/> 17	<hr/> 18

SOPHOMORE YEAR

ENG 205	World Literature	3	
COUN 315	Human Development & Learning		3
SPCH xxx	Speech Elective	3	
SS 201	Social institutions	3	
PSY 201	General Psychology		3
MUS 205	Music Appreciation		3
SS 203	Historical & Cultural Fndtn Educ		3
SOC 323	Introduction to Anthropology		3
CSC Option	Computer Science Elective	3	
PS 135	American Government	3	
(Sophomore Year Total: 30 Hours)		<hr/> 15	<hr/> 15

JUNIOR YEAR

HIST 201,202	United States History	3	3
ETEC 367C	Intro Assess Measure Evaluation	3	
ECO 211,212	Principles of Economics	3	3
SPED 311	Exceptional Child Youth in School		3
SOC Option	Sociology Elective		3
GEOG Option	Geography Elective	3	
SS 301	Teachers and the Law		3
HIST 325	Mississippi History	3	
(Junior Year Total: 30 Hours)		<hr/> 15	<hr/> 15

SENIOR YEAR

PHIL Option	Philosophy Elective	3	
RE 455	Diagnostic Reading Instruction in the Secondary School		3
SS 401	Applied Social Studies	3	

ACADEMIC PROGRAMS / 107

SS 443	Seminar in Social Studies	3	
EDCI 401B	Research Theory Clinical Practice	3	
EDCI 402B	Clinical Internship Student Tchng		12

(Senior Year Total: 27 Hours)	15	12
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TOTAL HOURS: 122

Teacher Education majors who have not been admitted to teacher education will not be permitted to enroll in more than six (6) semester hours of advanced level education courses (300 and 400 level).

Bachelor of Science in Education: Social Science Major (Ethnic Studies; Non-certification)

FRESHMAN YEAR		F	S
UNIV 100	Concepts Success in College	2	
HE 101	Concepts Health for Teachers		3
ENG 104,105	Composition	3	3
HIST 101,102	History of Civilization	3	3
MATH 111	College Algebra		3
BIO 101	Introduction to Biology	2	
BIOL 101	Introduction to Biology Lab	1	
SS 111W	Black Studies	3	
EDCI 100C	Introduction to Education		3
FLG 101,102	Modern Foreign Language	3	3
(Freshman Year Total: 35 Hours)		17	18

SOPHOMORE YEAR

ENG 205	World Literature	3	
SS 203	Historical & Cultural Foundtn Educ	3	
SS 201	Social Institutions		3
PSY 201	General Psychology		3
SS 211	Indian and Latino Studies	3	
SS 212	Jewish and Asian Studies		3
MUS 205	Music Appreciation		3
SPCH xxx	Speech Elective	3	
SS 202	Economic Institutions	3	
SOC 323	Introduction to Anthropology		3
(Sophomore Year Total: 30 Hours)		15	15

JUNIOR YEAR

HIST 201,202	United States History	3	3
ECO 211,212	Principles of Economics	3	3
ETEC 367	Intro Assess Measure Evaluation	3	
COUN 315	Human Development & Learning	3	
PS 135	American Government		3
SOC Option	Sociology Elective	3	

GEOG Option	Geography Elective		3
SS 311	Ethnic Studies Curric Development	3	
SPED 311	Exceptional Child Youth in School		3

(Junior Year Total: 33 Hours)	18	15
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SENIOR YEAR

PHIL Option	Philosophy Elective	3	
RE 455	Diagnostic Reading Instruction in the Secondary School	3	
SS 401	Applied Social Studies	3	
SS 443W	Seminar in Social Studies		3
SS 412	Clinical Internship		9
HIST 325	Mississippi History	3	
(Senior Year Total: 24 Hours)		12	12

TOTAL HOURS: 122

Teacher Education Majors who have not been admitted to teacher education will not be permitted to enroll in more than six (6) semester hours of advanced level education courses (300 and 400 level).

Bachelor of Science: Educational Technology Major

FRESHMAN YEAR		F	S
UNIV 100	Concepts Success in College	2	
ENG 104,105	Composition	3	3
HIST 101,102	History of Civilization	3	3
FLG 101,102	Modern Foreign Language	3	3
SCI xxx	Science Option	3	
CSC xxx	Computer Science Basic Intro.	3	
HE 101	Concepts Health for Teachers		3
MATH 111	College Algebra		3
EDCI 100	Introduction to Education		3
(Freshman Year Total: 35 Hours)		17	18

SOPHOMORE YEAR

ENG 205	World Literature	3	
SS 203	Historical & Cultural Fndtn Educ	3	
ART 206	Art Appreciation	3	
SPCH xxx	Speech Option	3	
HIST 201, 202	United States History	3	3
ETEC 212	Utilization of Computer Application Package and Lab	3	
PSY 201	General Psychology		3
SS xxx	Social Science Option		3

108 \ JACKSON STATE UNIVERSITY

MUS 205	Music Appreciation	3
MATH 226	Concepts & Structures of Math	3

(Sophomore Year Total: 35 Hours)	18	15
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JUNIOR YEAR

ETEC 337	Tech Selection, Maint & Support	3
ETEC 367	Intro Assess Measure Evaluation	3
COUN 315	Human Development & Learning	3
ETEC 377	Multimedia Development (CAI)	3
ETEC 368	Distance Learning	3
ETEC 378	Adult Education & Training	3
ETEC 336	Educational Media	3
SPED 311	Exceptional Child Youth in School	3
ART 302	Graphics	3
PHIL xxx	Philosophy Option	3

(Junior Year Total: 30 Hours)	12	18
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SENIOR YEAR

ETEC 434	Computers in Education	3
ETEC 435	Emerging Technology and Lab	3
ETEC 438	Introduction to Internet and Lab	3
ETEC 439	Topics in Educational Tech.	3
ETEC 496	Special Topics in Ed. Technology	3
ETEC 451	Internship in Educational Tech.	9

(Senior Year Total: 24 Hours)	12	12
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TOTAL HOURS: 124

DEPARTMENT OF HEALTH, PHYSICAL EDUCATION AND RECREATION

Dr. Hill Williams, Jr., Associate Professor and Chair
OFFICE: T. B. Ellis Physical Education Complex #20,
Telephone: (601) 979-2765

FACULTY: Professor A. Simon; Associate Professor A. Simmons; Assistant Professors D. Andrews, M. Epps; Instructors T. Bradley, C. Butler, G. Dawkins, E. Ficklin, L. Harris, J. M. Houston, J. Jackson, S. Jones, P. Kennedy, N. Oatis, A. Pennington, D. Powe, B. Roby, E. Strothers

The Department of Health, Physical Education and Recreation offers the Bachelor of Science Degree with certification in physical education, health, recreation administration, therapeutic recreation, and dance.

OBJECTIVES

The objectives of the Department of Health, Physical Education, and Recreation are in keeping with those of the University, the College of Education and Human Development, and its guiding principle, the Responsive Educator, whose goal is to positively impact the full range of K-12 students.

- To assist candidates in developing ethical standards and practices.
- To develop candidates that are professionally motivated.
- To develop candidates that are technologically diverse.
- To develop candidates with the necessary skills that positively impact student learning.
- To prepare candidates to deal with a diverse community of learners.

STUDENT OUTCOMES

The outcomes of the “responsive educator” are aligned with the College of Education and Human Development and provides and embodies:

- A *committed response* where the candidate has acquired an understanding and acceptance of professional goals and obligations to support fairness and equity in learning communities.
- A *knowledgeable response* where the candidate has a thorough knowledge in discipline content, student development, historical and theoretical foundations of education, and learner environment management.
- A *Skillful Response* where the candidate has developed performance abilities relative to critical thinking, professional performance, and learning community enhancement.
- A *Professional Response* where the candidate has an understanding of the relationships between schools, families, and cultural contexts as these affect student learning.

REQUIREMENTS FOR A MAJOR

**Bachelor of Science:
Health, Physical Education and Recreation Major
(Requirements for Physical Education–Teaching)**

FRESHMAN YEAR		F	S
UNIV 100	Concepts Success in College		2
ENG 104,105	Composition	3	3
HIST 101,102	History of Civilization	3	3
MATH 111	College Algebra		3
HE 102	Concepts Health for Teachers	3	
PE 109	Beginning Swimming		1
BIO 101	Introduction to Biology		
BIOL 101	Introduction to Biology Lab		
	or		
SCI xxx	Physical Science Option	3	
FLG 101,102	Modern Foreign Language	3	3
(Freshman Year Total: 30 Hours)		<u>15</u>	<u>15</u>

SOPHOMORE YEAR

ENG 205	World Literature		3
MUS 205	Music Appreciation		
	or		
ART 206	Art Appreciation	3	
COUN 315	Human Development & Learning	3	
PE 231	Intermediate Swimming		1
BIO 234	Anatomy and Physiology		3
BIOL 234	Anatomy and Physiology Lab		1
EDCI 100	Introduction to Education	3	
CSC 115	Digital Computer Principles		3
PE 222	Introduction to Physical Education		3
SPCH 201	Speech Arts	3	
SS xxx	Social Science Option	3	
(Sophomore Year Total: 29 Hours)		<u>15</u>	<u>14</u>

JUNIOR YEAR

PE 309	Elementary Secondary Folk Ethnic Rhythms and Dance	2	
PE 320	Adapted Physical Education		3
PE 322	Motor Development		3
PE 319*	Kinesiology (cognate area)	3	
PE 350	Measure Evaluation & Statistics		3
PE 360**	Physiology of Music		3
PE 323	Org. & Administration of Phy. Ed.	3	
SPED 311	Educ for Except. Child & Youth	3	
EDFL 203	History & Cultural Found of Educ.	3	
EDCI 401C	Res. Classroom Mgnt & Clincl. Pract.		3
EDFL 367C	Intro Assess, Measure & Evaluation		3

(Junior Year Total: 32 Hours)

14 18**SENIOR YEAR**

HE 311	First Aid, Prev. & Care of Injuries		3
SS 301	Law and Our Social Systems	3	
EDCI 402	Clinical Internship Teaching Meth.		12
PE 411	Methods & Practices in Phy. Educ.	3	
PE 415	Individual and Team Sports	3	
PE 404	Family Living Education	3	
RE 455	Diagnostic Readng Inst in Sec. Schl	3	
PHIL xxx	Philosophy Option		3

(Senior Year Total: 33 Hours)

18 15

TOTAL HOURS: 124

* Prerequisite: BIO 234

** Prerequisite: PE 319

NOTE: Students not admitted to teacher education can only complete 6 hours of professional education courses. Professional Education courses are junior and senior level courses not offered in the H.P.E.R. Department. Students must pass all parts of the PRAXIS before they can do student teaching. They must have a 2.50 Cumulative GPA or higher to graduate.

**Bachelor of Science:
Health, Physical Education and Recreation Major
(Health Education–Teaching Concentration)**

FRESHMAN YEAR		F	S
UNIV 100	University Success in College	2	
ENG 104,105	Composition	3	3
HIST 101,102	History of Civilization	3	3
MATH 111	College Algebra		3
BIO 101	Introduction to Biology		
BIOL 101	Introduction to Biology Lab		
	or		
SCI xxx	Science Option	3	
EDCI 100C	Introduction to Education		3
HE 122	Foundation of Health Education	3	
HE 113	First Aid		3
FLG 101,102	Modern Foreign Language	3	3
(Freshman Year Total: 35 Hours)		<u>17</u>	<u>18</u>

SOPHOMORE YEAR

ENG 205	World Literature		3
MUS 205	Music Appreciation or		

110 \ JACKSON STATE UNIVERSITY

ART 206	Art Appreciation	3	
PSY 201	General Psychology	3	
HE 102	Concepts of Health for Teachers	3	
BIO 234	Anatomy and Physiology (cognate area)	3	
BIOL 234	Anatomy and Physiology Lab	1	
SPCH 201	Speech Arts	3	
SS 201	Intro to Social Institutions or		
SS xxx	Social Science Option	3	
HE 206	Org. & Adm. of Schl & Com Health	3	
CSC 115	Digital Computer Principles		3

(Sophomore Year Total: 28 Hours) 13 15

JUNIOR YEAR

HE 208	Epidemiology of Diseases	3	
HE 333	Meth & Practice in Health Education	3	
EDCI 367	Intro to Assess. Measures & Eval.	3	
COUN 315	Human Development & Learning	3	
EDFL 203	Historical & Cultural Fndtns of Ed.	3	
SPED 311	Educ. Of Except. Child & Youth	3	
HE 498	Intro. To Alcohol & Drugs (Cognate)	3	
EDCI 401C	Res. Class Mgnt. & Clinical Practice	3	
HE 399	Human Sexuality	3	
PE 319	Kinesiology (PE cognate area) or		
PE 360	Physiology of Mus. Activity	3	
PHIL xxx	Philosophy Option	3	

(Junior Year Total: 33 Hours) 18 15

SENIOR YEAR

SS 301	Teachers and the Law	3	
EDCI 402	Clinical Internship in Teaching		12
HE 404	Family Living Education	3	
HE 411	Cons. Health & Safety Education	3	
RE 455	Diagnostic Read. Inst. In Sec. Schl.	3	
HE 495	Problems & Issues in Health Educ.	3	

(Senior Year Total: 27 Hours) 15 12

TOTAL HOURS: 123

NOTE: Students not admitted to teacher education can only complete 6 hours of professional education courses. Professional Education courses are junior and senior level courses not offered in the H.P.E.R. Department. Students must pass all parts of the PRAXIS before they can do student teaching. They must have a 2.50 Cumulative GPA or higher to graduate.

Bachelor of Science: Health, Physical Education and Recreation Major (Recreation Administration Concentration)

FRESHMAN YEAR		F	S
UNIV 100	University Success in College	2	
HIST 101,102	History of Civilization	3	3
ENG 104,105	Composition	3	3
BIO 101	Introduction to Biology	2	
BIOL 101	Introduction to Biology Lab	1	
MATH 111	College Algebra		3
REC 104	Introduction to Recreation	3	
HE 101	Concepts of Health		3
MUS 205	Music Appreciation		3
FLG 101,102	Modern Foreign Language	3	3

(Freshman Year Total: 35 Hours) 17 18

SOPHOMORE YEAR

PSY 201	General Psychology	3	
SPCH 201	Speech Arts		3
SCI 201,			
SCIL 201	Physical Science and Lab	3	
ENG 205	World Literature	3	
REC 205	Cultural & Recreation Prog. Plnng.	3	
ENG 206,213,			
218-233	English Option (select one)		3
ART 206	Art Appreciation		3
REC 218	History & Philosophy of Recreation	3	
PE 231	Intermediate Swimming		1
BIO 234	Anatomy and Physiology		3
BIOL 234	Anatomy and Physiology Lab		1
REC 225	Practicum in Recreation Admin.	1	
SS 201	Intro to Social Institution		3

(Sophomore Year Total: 33 Hours) 16 17

(Undergraduate English Proficiency Examination—UEPE—must be taken after the sophomore year. Students not passing the exam will be placed in ENG 399.)

JUNIOR YEAR

PHIL 301	Introduction to Philosophy	3	
REC 317	Community and Urban Recreation		3
REC 305	Facilities Design & Maintenance		3
REC 307	Recreation Leadership	3	
PE 309	Folk: Ethnic Rhythms & Dance	1	
PE 319	Kinesiology	3	
REC 325	Practicum in Recreation Admin.		1
TREC 313	Implications of Disabling Cond.		3
REC 350	Intro. to Leisure Education	3	
REC 404	Recreation Program Design		3

ACADEMIC PROGRAMS / 111

(Junior Year Total: 26 Hours) 13 13

SENIOR YEAR

REC 405	Outdoor Recreation Programming	3	
REC 406	Legal Issues in Recreation	3	
REC 415	Current Issues & Trends in Rec.	3	
REC 418	Prin., Pract., & Procs. In Recreation	3	
REC 421	Management in Recreation	3	
REC 423	Res. Eval. In Recreation Admin.	3	
REC 424*	Seminar in Recreation Admin.		3
REC 425*	Internship in Recreation Admin.		9

(Senior Year Total: 30 Hours) 18 12

TOTAL HOURS: 124

(*All courses must be completed prior to enrolling in REC 424 and REC 425.)

Bachelor of Science: Health, Physical Education and Recreation Major (Therapeutic Recreation Concentration)

FRESHMAN YEAR F S

UNIV 100	University Success in College	2	
ENG 104,105	Composition	3	3
HIST 101,102	History of Civilization	3	3
BIO 101	Introduction to Biology	2	
BIOL 101	Introduction to Biology Lab	1	
MATH 111	College Algebra		3
TREC 104	Intro to Therapeutic Recreation	3	
HE 101	Concepts of Health		3
MUS 205	Music Appreciation		3
FLG 101,102	Modern Foreign Language	3	3

(Freshman Year Total: 35 Hours) 17 18

SOPHOMORE YEAR

PSY 201	General Psychology	3	
SPCH 201	Speech Arts		3
SCI 201,			
SCIL 201	Physical Science and Lab	3	
ENG 205	World Literature	3	
REC 205	Cultural & Recreation Prog. Plnng.	3	
ENG 206,213,			
218-233	English Option (select one)		3
ART 206	Art Appreciation		3
TREC 218	History & Philosophy of Ther. Rec.	3	
PE 231	Intermediate Swimming		1

BIO 234	Anatomy and Physiology		3
BIOL 234	Anatomy and Physiology Lab		1
TREC 225	Therapeutic Recreation Practice	1	
SS 201	Introduction to Social Institutions		3

(Sophomore Year Total: 33 Hours) 16 17

(Undergraduate English Proficiency Examination—UEPE—must be taken after the sophomore year. Students not passing the exam will be placed in ENG 399.)

JUNIOR YEAR

PSY 216	Abnormal Psychology		3
PHIL 301	Introduction to Philosophy		3
REC 305	Facilities, Equipment, & Areas		3
REC 307	Recreation Leadership	3	
PE 309	Folk, Ethnic Rhythms and Dance	1	
COUN 315	Human Growth & Development		3
TREC 313	Implications of Disabling		
	Conditions in Ther. Recreation		3
TREC 325	Therapeutic Recreation Practice		1
TREC 329	Program Design & Eval. In Ther.Rec.		3
REC 350	Intro. To Leisure Education		3

(Junior Year Total: 29 Hours) 13 16

SENIOR YEAR

REC 405	Outdoor Recreation Programming		3
TREC 415	Current Issues & Trends in Ther.Rec		3
TREC 418	Prin., Pract., & Proced. in Ther.Rec.		3
TREC 421	Mgmt. In Therapeutic Recreation		3
TREC 423	Research & Evaluation in Ther. Rec.		3
TREC 424*	Seminar in Therapeutic Recreation		3
TREC 425*	Intern. in Therapeutic Recreation		9

(Senior Year Total: 27 Hours) 15 12

TOTAL HOURS: 124

(*All courses must be completed prior to enrolling in TREC 424 and TREC 425.)

ACTIVITY ELECTIVES FOR PHYSICAL EDUCATION CONCENTRATIONS:

A major student may elect courses offered in the department in addition to the regular sequence.

Electives		Credits
PE 250	Archery and Golf	2-1
PE 253	Body Mechanics Weight Control	2-1

112 \ JACKSON STATE UNIVERSITY

PE 254	Bowling	2-1
PE 258	Badminton and Tennis	2-1
PE 259	Advanced Swimming	2-1
PE 270	Basketball and Volleyball	2-1
PE 272	Soccer and Touch Football	2-1
PE 276	Track and Field and Softball	2-1
PE 300	Apprenticeship P.E. and Sports	2-1

HEALTH EDUCATION MINOR Credits

HE 113	First Aid***	3
HE 122	Foundation of Health	3
HE 206	School and Community Health	3
HE 333	Methods Materials in Teaching***	3
HE 401	Consumer Health and Safety	3
HE 404	Family Living Education***	3
HE 498	Intro. To Alcohol & Drugs***	3
Total:		21

*** Certification

PHYSICAL EDUCATION MINOR Credits

BIO 234,		
BIOL 234	Anatomy & Physiology and Lab	4
HE 113	First Aid	1
PE 215	Tumbling and Apparatus	1
PE 222	Introduction To Physical Education	3
PE 309	Elem. Sec. Folk Ethnic Rhythm Dance	1
PE 323	Org. Admin. Of Physical Education	3
PE 360	Physiology of Muscular Activity	3
PE 455	Physical Education in Elementary School	3
Total:		18

DRIVER EDUCATION MINOR Credits

HE 113	First Aid***	3
HE 206	Org. and Administration of Schools	3
HE 311	First Aid Care Prevention of Injuries	3
HE 498	Intro. to Alcohol & Drug Education	3
SE 340	Introduction to Driver Education***	3
SE 410	Safety Education***	3
SE 411	Methods in Driver Education***	3
Total:		20

***Certification

RECREATION ADMINISTRATION MINOR Credits

REC 104	Introduction to Recreation	3
REC 205	Cultural & Recreation Program Planning	3
REC 302	Urban and Community Recreation	3
REC 305	Facilities, Equipment and Areas	3
REC 307	Recreation Leadership	3
REC 325	Practicum	1
REC 404	Programs in Recreation	3
REC 415	Current Issues & Trends in Recreation	3
TREC 313	Implications of Disabling Conditions	3

Total: 25

THERAPEUTIC RECREATION MINOR Credits

TREC 104	Introduction to Therapeutic Recreation	3
TREC 313	Implications of Disabling Conditions	3
TREC 325	Practicum in Therapeutic Recreation	3
TREC 329	Program Design & Eval. In Ther. Rec.	3
TREC 415	Current Issues & Trends in Ther. Rec.	3
REC 205	Cultural & Recreation Program Planning	3
REC 305	Facility Design and Maintenance	3
REC 307	Recreation Leadership	3
REC 350	Introduction to Leisure Education	3

Total: 25

DEPARTMENT OF SPECIAL EDUCATION

Dr. Gladys Dinkins Johnson, Chair and Professor
OFFICE: Joseph H. Jackson Building, Room #107-C,
Telephone: (601) 979-2370

FACULTY: Professor R. Gentry; Associate Professors T. Lackey, R. Wiggins; Assistant Professor G. Windfield; Visiting Professor D. Braddy

The mission of the Department of Special Education is twofold: (1)To provide specialized training, experiences, and knowledge based upon the wide constructs, principles, and dispositions that support the teaching of exceptional learners; (2)To train competent field practitioners skilled in working with individuals with various disabilities toward a goal of reaching maximum personal, social, and vocational growth. The training of teachers and disabilities personnel adheres to national standards established by the Council for Exceptional Children (CEC). The Responsive Educator Model (REM) is used by the Department to insure quality of programming and to support the goals of the College of Education and Human Development.

OBJECTIVES

The objectives of the Department are:

- To prepare personnel for staffing special education and disabilities services positions in schools, and other related human resource agencies.
- To offer a comprehensive curriculum that incorporates a variety of experiences including campus-based experiences (micro-teaching clinics, case studies, computer-assisted instruction, as well as field-based experiences—student teaching, internships, tutoring, etc.).
- To facilitate student development by broadening the knowledge base in which the curriculum is based by attending conferences, workshops, seminars and participating in collaborative activities with other community agencies (public schools, human resource agencies, etc.).
- To enhance students' ability to work with the diverse handicapped and culturally diverse populations through selected research, teaching, and field-based experiences.
- To accommodate students from various ethnic backgrounds, exceptionalities, and handicapping conditions through an open, multicultural approach to Special Education personnel preparation.

STUDENT OUTCOME MEASURES

Students trained through the Responsive Educator Framework (REF) are intended to become:

- Teachers and administrators of special education prepared to teach in school districts, institutions and other related agencies which work with students with special needs.
- Teachers who are specialized in helping students by using adaptive technologies.
- Rehabilitation personnel that service clients who are in need of supportive services and equipment, in non-school environments.
- Disabilities personnel who will ultimately become administrators in the rehabilitation system.
- Teachers and rehabilitation personnel trained in distance learning technologies.

AREAS OF CERTIFICATION:**REQUIREMENTS FOR MAJORS**

**Bachelor of Science: Special Education Major
(Teaching – Mild/Moderate Disability Concentration:
Mississippi Endorsement Code Area #221)**

FRESHMAN YEAR		F	S
UNIV 100	Concepts Success in College	2	
MATH 111	College Algebra	3	
HE 102	Concepts of Health for Teachers	3	
ENG 104,105	Composition	3	3
HIST 101,102	History of Civilization	3	3
FLG Option	(If not taken previously; take 6 hrs Electives if taken previously)	3	3
Science Option			3
CSC 115	Digital Computer Principles		3
(Freshman Year Total: 32 Hours)		<hr/> 17	<hr/> 15

SOPHOMORE YEAR

EDCI 100	Introduction to Education	3	
PSY 201	General Psychology	3	
ENG 218	Advanced Composition	3	
Fine Arts Optn	World Literature	3	
SPCH xxx	(Speech Options)	3	
ENG 205	Advanced Composition		3
MATH 226	Concepts & Structure of Math.		3
SS 203	Historical & Cultural Fndtn of Ed.		3
RE 309	Early Literacy I		3
RE 311	Strategies & Techniques for Teaching Reading		3
ELECTIVE	(Elective)	2	
(Sophomore Year Total: 32 Hours)		<hr/> 17	<hr/> 15

JUNIOR YEAR

SPED 311	Exceptional Child Youth School	3	
SPED 304	Org. Procedures of Special Educ.	3	
RE 455	Diagnostic Reading Instruction in the Secondary School		3
SS 301	Law in our Social System	3	
SS 367	Intro. Assessment Measure Eval.	3	
SPED 307	Behavioral Management		3
EDCI 401	Research, Classroom Management and Clinical Practice		3
PHIL xxx	Philosophy/Option		3
RE 312	Early Literacy II		3
COUN 315	Human Development & Learning		3

114 \ JACKSON STATE UNIVERSITY

(Junior Year Total: 30 Hours)

15 15

SENIOR YEAR

SPED 428	Educational Assessment	3	
SPED 422	Educ. Psy. Mildly/Mod. Handcpd	3	
SPED 430	Educ. & Psych of Mentally Retarded	3	
SPED 432	Educ. Psy. Child w/Learnng Disorders	3	
SPED 450	Educ. Psy. Child w/Behav. Disorders	3	
SPED 499	Senior Sem. Mildly/Mod. Handcpd	3	
SPED 402	Clinical Internship Student Teaching		12

(Senior Year Total: 30 Hours)

18 12

TOTAL HOURS: 124

NOTE: Students have a choice of enrolling in one or more of the following languages to complete six (6) hours of credits, unless they have two years of foreign language in high school: Spanish 101, 102; French 101, 102; German 101, 102. Students who have taken 2 years of the same language and have maintained a "C" average are exempt.

Teacher Education majors who have not been admitted to teacher education will not be permitted to enroll in more than six (6) semester hours of professional education or advanced level courses (300 and 400 level).

Mississippi Add-On Endorsement:

ENDORSEMENT AREA: Mild/Moderate K - 8 (Code #223)

Mild/Moderate (K - 8) Hours

RE 311	Strategies & Techniques for Teaching		
	Reading in the Elementary Schools	3	
SPED 304	Organizational Procedures in Spec. Educ.	3	
SPED 307	Behavioral Management	3	
SPED 422	Education & Psychology of Mild/		
	Moderately Handicapped	3	
SPED 428	Educational Assessment	3	
SPED 499	Senior Seminar: Mildly/Moderately		
	Handicapped	3	
Total Hours:		18	

Mild/Moderate (7 - 12) Hours

RE 455	Diagnostic Reading Instruction in the		
	Secondary School	3	
SPED 304	Organizational Procedures in Spec. Educ.	3	

SPED 307	Behavioral Management	3	
SPED 422	Education & Psychology of Mildly/		
	Moderately Handicapped	3	
SPED 428	Educational Assessment	3	
SPED 499	Senior Seminar: Mildly/Moderately		
	Handicapped	3	
Total Hours:		18	

Bachelor of Science: Special Education Major (Non-Teaching: Disabilities Studies Concentration)

FRESHMAN YEAR F S

UNIV 100	Concepts Success in College	2	
MATH 111	College Algebra	3	
HE 102	Concepts of Health for Teachers	3	
ENG 104,105	Composition	3	3
HIST 101,102	History of Civilization	3	3
FLG Option	(If not taken previously; take 7 hrs		
	Electives if taken previously	3	3
Science Option			3
CSC 115	Digital Computer Principles		3

(Freshman Year Total: 32 Hours)

17 15

SOPHOMORE YEAR

Fine Arts Optn		3	
EDCI 100	Introduction to Education	3	
SCI 201,			
SCIL 201	Physical Science and Lab	3	
RE 309	Early Literacy I	3	
PSY 201	General Psychology	3	
SPCH xxx	Speech Option		3
ENG 205	World Literature		3
ENG 218	Advanced Composition		3
MATH 226	Concepts & Structure of Math.		3
SS 201	Intro to Social Institution		3
PE 320	Adapted Physical Education	2	
COUN 215	Human Development & Learning		3

(Sophomore Year Total: 32 Hours)

17 18

JUNIOR YEAR

SS 203	Historical & Cultural Fndtn. Educ.	3	
SPED 306	Intro. To Disabilities Studies	3	
SPED 339	Voc. Career Plng of Except Adol	3	
SPED 368	Family & Community Resources	3	
SPED 307	Behavioral Management	3	
PHIL xxx	Philosophy Option		3
SPED 466	Introduction to Sign Language		3

SPED 400	Medical Aspects of Disabilities	3	
SPED 369	Strategies for Managing Violent and Aggressive Behaviors	3	
Elective	Elective	3	
(Junior Year Total: 30 Hours)		<u>15</u>	<u>15</u>

SENIOR YEAR

SPED 403	Severe & Profound Handicapped	3	
SPED 420	Intro to Assistive Tech. & Devices	3	
SPED 467	Advanced Sign Language	3	
SPED 480	Ed & Psy Physically Handicapped	3	
SPED 482	Curricular & Mobility Adaptions for the Physically Handicapped	3	
SPED 499	Senior Seminar in Disabilities Stud.	3	
SPED 402	Clinical Internship in Disabilities Std	12	
(Senior Year Total: 30 Hours)		<u>18</u>	<u>12</u>

TOTAL HOURS: 128**Recommended Electives:**

SS 301	Teachers and the Law	3
SPED 328	Educational Assessment	3

NOTE: Students have a choice of enrolling in one or more of the following languages to complete six (6) hours of credits, unless they have two years of foreign language in high school: Spanish 101, 102; French 101, 102; German 101, 102. Students who have taken 2 years of the same language and have maintained a "C" average are exempt.

**Bachelor of Science:
Special Education/Elementary Education Major
(Elementary K - 8 and Special Education Concentration:
Non-Teaching)**

FRESHMAN YEAR		F	S
UNIV 100	Concepts Success in College		2
MATH 111	College Algebra	3	
HE 102	Concepts of Health for Teachers		3
ENG 104,105	Composition	3	3
HIST 101,102	History of Civilization	3	3
SP 101,102	Elementary Spanish/Option	3	3
BIO 101	Introduction to Biology	2	
BIOL 101	Introduction to Biology Lab		1
MUS 205	Music Appreciation		3
MATH 226	Concepts Structure of Mathematics	3	
(Freshman Year Total: 35 Hours)		<u>17</u>	<u>18</u>

SOPHOMORE YEAR

RE 209	Introduction to Reading	3	
PE 100	100-Level Activity Course	1	
EDCI 100	Introduction to Education	3	
SCI 201,			
SCIL 201	Physical Science and Lab	3	
PSY 201	General Psychology	3	
SPCH 201	Speech Arts	3	
ENG 205	World Literature		3
PHIL 301	Introduction to Philosophy		3
MATH 226	Concepts & Structure of Math.		3
SS 201	Intro to Social Institution		3
ART 206	Art Appreciation		3
EDFL 203	Historical & Cultural Fndtn of Ed.		3
(Sophomore Year Total: 34 Hours)		<u>16</u>	<u>18</u>

JUNIOR YEAR

SS 301	Teachers and the Law		3
COUN 215	Human Development Learning	3	
SPED 304	Org. Procedures in Special Educ.	3	
SPED 311	Exceptional Child Youth in School	3	
SPED 328	Educational Assessment	3	
RE 311	Strategies Tech. Teaching Reading		3
EDFL 367	Intro Assessment Measure Eval.		3
SPED 307	Behavioral Management		3
SPED 315	Assess. Individual Prog. 7 - 12		3
EDCI 303	Parent, Child, Teacher Interaction	3	
(Junior Year Total: 30 Hours)		<u>15</u>	<u>15</u>

SENIOR YEAR

EDCI 301	Commun. Arts for Elem. Teachers	3	
SPED 401	Research in Classroom Management and Clinical Practice		3
SPED 422	Ed Psy. Mildly/Moderately Handcpd	3	
SPED 432	Ed Psy. Child Learning Disability	3	
SPED 450	Ed. Psy Child Behavior Disorders	3	
SPED 402	Clinical Internship in Student Tchng		12
Elective	Elective Option	2	
(Senior Year Total: 29 Hours)		<u>17</u>	<u>12</u>

TOTAL HOURS: 128

**Bachelor of Science: Special Education Major
(Severely/Profoundly Handicapped Concentration)**

FRESHMAN YEAR		F	S
UNIV 100	Concepts Success in College	2	
MATH 111	College Algebra	3	
HE 102	Concepts of Health for Teachers		3
ENG 104,105	Composition	3	3
HIST 101,102	History of Civilization	3	3
SP 101,102	Elementary Spanish/Option	3	3
BIO 101	Introduction to Biology	2	
BIOL 101	Introduction to Biology Lab	1	
MUS 205	Music Appreciation		3
MATH 226	Concepts Structure of Mathematics		3

(Freshman Year Total: 35 Hours) 17 18

SOPHOMORE YEAR

PE 100	100-Level Activity Course	1	
EDCI 100	Introduction to Education	3	
SCI 201,			
SCIL 201	Physical Science and Lab	3	
RE 209	Introduction to Reading		3
PSY 201	General Psychology	3	
SPCH 201	Speech Arts	3	
ENG 205	World Literature	3	
PHIL 301	Introduction to Philosophy		3
ENG 218	Advanced Composition		3
SS 201	Intro to Social Institution		3
ART 206	Art Appreciation		3
EDFL 203	Historical & Cultural Fndtn of Ed.		3

(Sophomore Year Total: 34 Hours) 16 18

JUNIOR YEAR

SS 301	Teachers and the Law	3	
COUN 215	Human Development Learning	3	
SPED 304	Org. Procedures in Special Educ.	3	
SPED 311	Exceptional Child Youth in School	3	
SPED 328	Educational Assessment	3	
RE 311	Strategies Tech. Teaching Reading		3
EDFL 367	Intro Assessment Measure Eval.		3
SPED 307	Behavioral Management		3
SPED 315	Assess. Individual Prog. 7 - 12		3
SPED 430	Ed Psy of Mentally Retarded	3	
Elective	Elective Option		3

(Junior Year Total: 33 Hours) 18 15

SENIOR YEAR

SPED 401	Research, Classroom Management and Clinical Practice	3	
SPED 403	Teach Severe/Profoundly Handcpd	3	
SPED 450	Ed. Psy. Child Behavior Disorders	3	
SPED 496	Senior Seminar Severely Handcpd	3	
SPED 402	Clinical Internship in Student Tchng		12
SPED 466	Introduction to Sign Language	3	
Elective	Elective Option	2	

(Senior Year Total: 29 Hours) 17 12

TOTAL HOURS: 128

**Bachelor of Science in Education: Special Education
(Disabilities Studies Concentration – Non-Teaching)**

FRESHMAN YEAR		F	S
UNIV 100	Concepts Success in College	2	
MATH 111	College Algebra	3	
HE 102	Concepts of Health for Teachers		3
ENG 104,105	Composition	3	3
HIST 101,102	History of Civilization	3	3
SP 101,102	Elementary Spanish/Option	3	3
BIO 101	Introduction to Biology	2	
BIOL 101	Introduction to Biology Lab	1	
MUS 205	Music Appreciation		3
MATH 226	Concepts Structure of Mathematics		3

(Freshman Year Total: 35 Hours) 17 18

SOPHOMORE YEAR

PE 100	100-Level Activity Course	1	
EDCI 100	Introduction to Education	3	
SCI 201,			
SCIL 201	Physical Science and Lab	3	
RE 209	Introduction to Reading		3
PSY 201	General Psychology	3	
SPCH 201	Speech Arts	3	
ENG 205	World Literature	3	
PHIL 301	Introduction to Philosophy		3
ENG 218	Advanced Composition		3
SS 201	Intro to Social Institution		3
ART 206	Art Appreciation		3
EDFL 203	Historical & Cultural Fndtn of Ed.		3

(Sophomore Year Total: 34 Hours) 16 18

JUNIOR YEAR

COUN 215	Human Development Learning	3	
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ACADEMIC PROGRAMS / 117

SPED 306	Intro. To Disabilities Studies	3	
SPED 339	Vocational Career Planning for Exceptional Adolescents	3	
SPED 368	Family & Community Research	3	
SPED 307	Behavioral Management	3	
SPED 311	Survey of Exceptnl Child & Youth	3	
SPED 466	Introduction to Sign Language	3	
SPED 400	Medical Aspects of Disabilities	3	
SPED 368	Strategies for Managing Violent & Aggressive Behaviors	3	
Elective	Elective Option	3	
(Junior Year Total: 30 Hours)		15	15

SENIOR YEAR

SPED 420	Intro to Assistive Technology & Div.	3	
SPED 482	Curricular & Mobility Adaptions for the Physically Handicapped	3	
SPED 480	Education and Psychology of the Physically Handicapped	3	
SPED 499	Senior Seminar in Disabilities Stud.	3	
SPED 403	Severe & Profound Handicapped	3	
SPED 467	Advanced Sign Language	3	
SPED 402	Internship in Disabilities Studies		12
(Senior Year Total: 27 Hours)		15	12

TOTAL HOURS: 128

RECOMMENDED ELECTIVES:

SS 301	Teachers and the Law	3
SPED 328	Educational Assessment	3

NOTE: Students have a choice of enrolling in one or more of the following languages to complete the six (6) hours of credits, unless they have two years of foreign language in high school: Spanish 101, 102; French 101, 102; German 101, 102. Students who have taken two (2) years of the same language and have maintained a "C" average are exempt.

Mississippi Add-On Endorsement:

ENDORSEMENT AREA: Mild/Moderate K - 8 (CODE #223) – (Added to Elementary Only)

Mild/Moderate K - 8 **Hours**

RE 311	Strategies & Techniques for Teaching Reading in the Elementary Schools	3
SPED 304	Org. Procedures in Special Education	3
SPED 422	Ed. Psy. Mildly/Moderately Handicapped	3
SPED 328	Educational Assessment	3

SPED 307	Behavioral Management	3
SPED 499	Senior Seminar: Mildly/Moderately Handicapped	3
Total Hours: (K - 8):		18

Mild/Moderate 7 - 12

Hours

RE 455	Diagnostic Reading Instruction in Secondary School	3
SPED 304	Org. Procedures in Special Education	3
SPED 422	Ed. Psy. Mildly/Moderately Handicapped	3
SPED 328	Educational Assessment	3
SPED 307	Behavioral Management	3
SPED 499	Senior Seminar: Mildly/Moderately Handicapped	3
Total Hours: (7 - 12):		18





THE COLLEGE OF LIBERAL ARTS

Dr. Dollye M. E. Robinson, Dean

Dr. Mary D. Coleman, Associate Dean

OFFICE: Dollye M. E. Robinson Building

DEPARTMENTS AND PROGRAMS/CENTERS:

ART

CRIMINAL JUSTICE AND SOCIOLOGY

ENGLISH AND MODERN FOREIGN LANGUAGES

HISTORY AND PHILOSOPHY

MASS COMMUNICATIONS

MILITARY SCIENCE

MUSIC

POLITICAL SCIENCE

PSYCHOLOGY

SPEECH COMMUNICATION AND THEATRE

APPLIED PSYCHOLOGICAL SERVICES PROGRAM

COMMUNITY HEALTH PROGRAM

INTERDISCIPLINARY ALCOHOL DRUG STUDIES
CENTER

MARGARET WALKER ALEXANDER NATIONAL
RESEARCH CENTER

STUDENT PROFESSIONAL DEVELOPMENT
PROGRAM

FANNIE LOU HAMER INSTITUTE

Organized within the College of Liberal Arts are ten departments, two centers and four programs.

MISSION

The mission of the College of Liberal Arts is to nurture the mind and spirit of its students and to develop and refine students' spoken, written, and analytical skills, their artistic and creative talents, and their knowledge of the humanities and the

social and behavioral sciences, and the ways in which technology can be used to advance their capacity to understand world events and contribute to improvements in the human condition.

Specifically, the College of Liberal Arts is committed to the following goals:

- To provide and sustain a competent, diverse and resourceful faculty and staff committed to original research, artistic excellence, rigorous teaching, and robust mentorship.
- To emphasize inspiring and experiential pedagogies that fully engage learners.
- To enhance the quality of its academic programs in the Schools of Fine and Performing Arts, Communications, and Social and Behavioral Sciences.
- To cultivate among its learners the strongest appreciation for knowledge, critical inquiry, and disciplined skepticism.
- To encourage learners in their quests for meaningful and productive citizenship and to model such citizenship in College activities and programs.

Undergraduate students majoring in the College of Liberal Arts are in candidacy for the degrees of Bachelor of Arts, Bachelor of Science, Bachelor of Music, and the Bachelor of Music Education. Graduate degrees offered are the Master of Arts, Master of Arts in Teaching, Master of Science, Master of Music Education, and the Doctor of Philosophy in Clinical Psychology.

Courses offered are described under the departmental and special unit headings of Art, Criminal Justice and Sociology, English and Modern Foreign Languages, History and

Philosophy, Mass Communications, Military Science, Music, Political Science, Psychology, and Speech Communication and Theatre. Other special units which enhance and advance curricular offerings are the following: Interdisciplinary Alcohol/Drug Studies Center, Margaret Walker Alexander National Research Center, Applied Psychological Services Program, Community Health Program, Student Professional Development Program, and the Fannie Lou Hamer Institute.

A student wishing to major in the College of Liberal Arts will be required to register an intent with the chair of the department in which the major is requested.

COURSE SEQUENCE

Courses in the College of Liberal Arts are to be taken in sequence. The two or three portions of any course listed with hyphens between course numbers should be taken during the same year in the sequence listed in the bulletin.

COURSE EXAMINATION

An examination period is scheduled at the end of each semester. A student absent from an examination, without approval from the instructor, incurs a failure in that examination.

Teaching majors must make application for admission to Teacher Education, after approval by subject advisor, at the end of the sophomore year. Academic requirements are overall grade point average of 2.5 and completion of all required work of the first two years including a grade of "C" in English 104, 105, or 111, 112, 205, 218 or option, and Mathematics 111.

GRADUATION REQUIREMENTS

The following requirements must be met in order to earn an undergraduate degree in the College of Liberal Arts:

1. Satisfactorily complete general education and major field requirements with a minimum of 124 semester hours.
2. Earn a minimum cumulative academic average of 2.00 ("C") in all courses.
3. Satisfactorily pass the English Proficiency Examination.
4. Take the Graduate Record Examination – GRE (All majors except Teacher Education majors).
5. Take and pass the PRAXIS (Teacher Education majors only).

6. Complete the College's Exit Interview and all other official forms required by the University.

DEPARTMENT OF ART

Mr. Charles Carraway, Associate Professor and Chair
OFFICE: Dollye M. E. Robinson Building, Room 455

FACULTY: Professor H. Kim; Associate Professor J. Mumford; Assistant Professors C. Gauthier, C. Olszewski, K. Stewart; Instructor C. Mayers

The Department of Art offers the B.A. Degree in Art.

OBJECTIVES

The Department will:

- Provide opportunities for students to develop knowledge and understanding of art.
- Provide opportunities for students to view a variety of traditional and contemporary modes of visual expression.
- Provide opportunities for students to participate in competitive and professional activities.
- Support the mission of the University and the College of Liberal Arts by providing quality programs and experiences that will enable students to be competitive in the job market.

OUTCOME MEASURES

The GRE, sophomore review, and senior exhibition will be employed to assess teaching effectiveness.

ADMISSION POLICY

Students who plan to major in art must arrange for an interview. The student should bring to the interview a portfolio consisting of a minimum of seven (7) of his/her original works. Students who pass the portfolio interview will be admitted unconditionally. Students admitted conditionally may be required to do one of the following: (1) Submit additional work for evaluation, or (2) Wait one semester and reapply. All students are required to undergo the sophomore review during the spring semester of their second year.

120 \ JACKSON STATE UNIVERSITY

DEPARTMENTAL GRADE POLICY

Students must earn a minimum grade of "C" in all major courses.

PROGRAMS

The B.A. degree in Art is offered with a major in Graphic Design and in Art Studio. Students who major in Art Studio may choose a concentration in Painting, Sculpture, Printmaking, and Ceramics.

REQUIREMENTS FOR THE B.A. DEGREE IN ART STUDIO

A student who plans to pursue a concentration in Painting, Sculpture, Printmaking or Ceramics, must complete twelve (12) additional semester hours of course work in that medium.

Bachelor of Art: Art Studio Major (Ceramics, Painting, Printmaking, Sculpture)

FRESHMAN YEAR		F	S
ENG 104,105	Composition	3	3
HIST 101,102	History of Civilization	3	3
ART 102	Design I	3	
ART 111,112	Drawing I, and II	3	3
UNIV 100	University Success	2	
PE Option	Physical Education Option	1	1
SCI xxx	Science Option	3	
MATH 111	College Algebra		3
CSC 115	Computer Literacy		3
(Freshman Year Total: 34 Hours)		18	16

SOPHOMORE YEAR

ENG 205	World Literature	3	
ART 201,202	Design II and III	3	3
ART 216,217	Drawing III and IV	3	3
ART 221,222	Art History	3	3
ART xxx	Fine Arts Option		3
ART 224	Introduction to Painting		3
(Sophomore Year Total: 27 Hours)		12	15

JUNIOR YEAR

ART 310	Color Theory and Design	3	
ART 311	Lettering		3
ART 337	Non-Western Art	3	

ART 211	Introduction to Ceramics	3	
ART 232	Introduction to Sculpture	3	
ART 242	Introduction to Printmaking		3
ART 335	Introduction to Photography	3	
Concentration	Studio	3	3
PHIL xxx	Philosophy Option		3
SPCH 201	Speech Arts		3

(Junior Year Total: 33 Hours) 18 15

SENIOR YEAR

ART 403	Design		3
ART 441	Computer Aided Design	3	
Concentration	Studio	3	3
FLG 101,102	Modern Foreign Languages	3	3
ART 454	Professional Practices		3
ART 338	African American Art	3	
ART 418	Display Design		3
PSY 201	General Psychology	3	

(Senior Year Total: 30 Hours) 15 15

TOTAL HOURS: 124

Bachelor of Art: Graphic Design Major

FRESHMAN YEAR		F	S
ENG 104,105	Composition	3	3
HIST 101,102	History of Civilization	3	3
ART 102	Design I	3	
ART 111,112	Drawing I, and II	3	3
UNIV 100	University Success	2	
PE Option	Physical Education Option	1	1
SCI xxx	Science Option	3	
MATH 111	College Algebra		3
*ART 103	Introduction to Graphic Design		3

(Freshman Year Total: 34 Hours) 18 16

SOPHOMORE YEAR

ENG 205	World Literature	3	
ART 201,202	Design II and III	3	3
ART 216	Drawing III	3	
ART 221,222	Art History	3	3
ART 232	Introduction to Sculpture		3
FLG 101,102	Modern Foreign Languages	3	3

(Sophomore Year Total: 27 Hours) 15 12

JUNIOR YEAR

ART 302,303	Computer Graphics	3	3
ART 224	Introduction to Painting	3	
ART 335	Introduction to Photography	3	
ENG xxx	Humanities Option	3	
ART 349,351	Graphic Design	3	3
ART 337	Non-Western Art	3	
ART 327	Advertising Art		3
ART 211	Introduction to Ceramics		3
ART 242	Introduction to Printmaking		3
PSY 201	General Psychology		3
(Junior Year Total: 36 Hours)		<u>18</u>	<u>18</u>

SENIOR YEAR

PHIL xxx	Philosophy Option	3	
SPCH 201	Speech Arts	3	
ART 441	Computer Aided Design	3	
ART 430	Apprenticeship		12
ART 338	African American Art	3	
ART 454	Professional Practices	3	
(Senior Year Total: 27 Hours)		<u>15</u>	<u>12</u>

TOTAL HOURS: 124

*ART 103 substitutes for CSC 115.

DEPARTMENT OF CRIMINAL JUSTICE AND SOCIOLOGY

Dr. Thomas Calhoun, Professor and Chair
OFFICE: Dollye M. E. Robinson Building, Room #313

CRIMINAL JUSTICE PROGRAM:

Dr. Etta F. Morgan, Associate Professor and Interim Coordinator
OFFICE: Dollye M. E. Robinson Building, Room 358

FACULTY: Assistant Professors J. Bell, V. Jones**SOCIOLOGY PROGRAM:**

FACULTY: Professor T. Calhoun, C. McNeal; Associate Professors H. Al-Fadhli, E. Morgan, M. Owens-Sabir; Assistant Professors Johnnie M. Griffin, Thomas M. Kersen; Instructor R. Richmond

CRIMINAL JUSTICE PROGRAM:**OBJECTIVES**

The objectives of the Criminal Justice Program are:

- To teach students to think critically as they learn about institutions and processes.
- To identify the value choices and ethical considerations involved in decision making in the administration of justice and justice systems in a democratic society.
- To train students with information and skills needed for employment in a variety of public and private services related to the administration of justice and justice systems.

OUTCOME MEASURES

Students' knowledge and skills are measured with written examinations, the English Proficiency Examination, the general segment of the Graduate Record Examination (GRE), performance ratings for internships and volunteer experiences with agencies in the community.

Requirements for a Minor: CJ 100, 210, 304, 326, and 483; CJ/SOC 333 and SOC 451.

REQUIREMENTS FOR THE MAJOR:**Bachelor of Science: Criminal Justice**

FRESHMAN YEAR		F	S
ENG 104,105	Composition	3	3
HIST 101,102	History of Civilization	3	3
SCI xxx	Science Option	3	
HE 101	Concepts of Health	3	
UNIV 100	University Success	2	
MATH 111	College Algebra		3
CJ 100	Introduction to Criminal Justice		3
ELEC	Elective	3	
(Freshman Year Total: 29 Hours)		<u>14</u>	<u>15</u>

SOPHOMORE YEAR

ENG 205	World Literature	3	
SPCH 201	Speech Arts		3
ART 206 or	Art Appreciation or		
MUS 205	Music Appreciation	3	
SOC 214	Introduction to Sociology		3
CSC xxx	Computer Literacy	3	
FLG 101, 102	Foreign Language Option	3	3

122 \ JACKSON STATE UNIVERSITY

CJ 200	Introduction to Law Enforcement	3	
CJ 210	Introduction to Correctional Services	3	
CJ 212	Criminal Law	3	
(Sophomore Year Total: 30 Hours)		15	15

JUNIOR YEAR

PSY 201	General Psychology	3	
PS 135	American Government		3
SOC 333	Criminology		3
CJ 304	Juvenile Justice	3	
CJ 326W	Criminal Justice Research		3
SOC 451	Social Statistics	3	
SS xxx	Social Science Options	3	3
CJ xxx	Two Electives	3	3
(Junior Year Total: 30 Hours)		15	15

SENIOR YEAR

PHIL xxx	Philosophy Option	3	
SOC 455	Race & Ethnic Relations	3	
CJ 440	Comp. Study Criminal Just. System	3	
CJ 483W	Seminar	3	
Elective	Elective Options	6	6
CJ xxx	Electives	6	3
(Senior Year Total: 33 Hours)		15	18

TOTAL HOURS: 122

SOCIOLOGY PROGRAM:

OBJECTIVES

The objectives of the Sociology Program are:

- To advance sociological knowledge and skills through teaching and research.
- To develop competent social scientists and teachers.
- To prepare students for work in related professions.
- To provide a broad and varied curriculum to serve as a resource for students in other disciplines pursuing a liberal arts education.

OUTCOME MEASURES

To improve students' reading skills for functioning effectively, increase the retention of students in the program through

academic counseling, increase the number of students entering graduate programs, and acquiring marketable skills by learning statistical and computer knowledge needed to enter the occupational world, and increase the number of graduates entering prestigious occupations as reflected by different outcome measuring devices.

The Sociology Program offers the Bachelor of Arts Degree.

Concentration in Sociology Requirements:

Sociology (SOC 214, 216, 445W, 446 - 12 hours); the remaining nine (9) hours of electives in Sociology.

Bachelor of Arts: Sociology Major

FRESHMAN YEAR

		F	S
UNIV 100	University Success	2	
HIST 101,102	History of Civilization	3	3
ENG 104,105	Composition	3	3
SCI xxx	Science Option	3	
SOC 214	Introduction to Sociology		3
FLG 101,102	Modern Foreign Languages	3	3
MATH 111	College Algebra		3
(Freshman Year Total: 29 Hours)		14	15

SOPHOMORE YEAR

SS xxx	Social Sciences Options (2)	3	3
ENG 205	World Literature Option	3	
SOC 216	Modern Social Problems		3
HE 101	Concepts of Health	3	
PSY 201	General Psychology		3
MUS 205 or ART 205	Music Appreciation or Art Appreciation	3	
SOC xxx	Sociology Elective I		3
CSC xxx	Computer Literacy Option	3	
ENG 201/202	Humanities		3
(Sophomore Year Total: 30 Hours)		15	15

JUNIOR YEAR

PHIL xxx	Philosophy Option		3
HIST 201,202	United States Survey	3	3
SOC 325	Cultural Anthropology	3	
SOC 326	Social Psychology		3
SPCH 201	Speech Arts	3	
PS 135/136	American Government/State and Local Government	3	

SOC xxx	Sociology Elective II	3	
SOC 445W	Methods of Sociology Research	3	
CJ 100	Introduction to Criminal Justice	3	

(Junior Year Total: 30 Hours)	15	15
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SENIOR YEAR

SOC xxx	Sociology Elective III	3	
SOC 451	Social Statistics	3	
SOC 446	Social Theory	3	
SOC 455	Race & Ethnic Relations		3
SOC 470	Seminar in Sociology		3
Elective	General Electives	9	9

(Senior Year Total: 33 Hours)	18	15
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TOTAL HOURS: 122

DEPARTMENT OF ENGLISH AND MODERN FOREIGN LANGUAGES

Dr. Jean Chamberlain, Associate Professor and Chair
OFFICE: Dollye M. E. Robinson Building, Room #432

FACULTY: Associate Professors H. Chukwuma, P. Daniels, C. Gilmer, D. Ginn; Assistant Professors R. Glenn, W. Macon-Morgan, P. McDaniels, S. McLeod, E. Neasman, C. W. Pizzetta, R. Smith-Spears

OBJECTIVES

The area of English at Jackson State University has established these major objectives:

1. To help students develop the ability to read, think, and write clearly and critically.
2. To help students understand and appreciate good writing and literature.
3. To help students become aware of the truth, beauty, and wisdom of our culture to the extent that they are able to make value judgments about the society in which they live.
4. To prepare students for teaching English and for other career roles in society.
5. To provide the necessary courses for all students to fulfill state and university requirements.

6. To encourage students to engage in creative and scholarly writing.

OUTCOME MEASURES

In addition to the English Proficiency Examination required of all students, and the examination demanded by courses in the English/MFL disciplines, the competencies of undergraduate English majors are determined by the following:

- *Senior Seminar* – A one-semester course which tests ability in grammar and usage, oral presentations, writing critical analyses and research.
- *Graduate Record Examination (GRE)* – Required for students not seeking teacher certification.
- *Student Teaching* – Majors in English with certification in teaching (Teacher Certification majors).
- *PRAXIS Examination* (formerly NTE) – Majors in English with certification in teaching (Teacher Certification majors).

AREAS OF CONCENTRATION**Major Course Requirements in English:**

ENG 303 (3); 331 OR 332 (3); LIT 319, 320 (6); 321, 322 (6); 421 or 424 (3); 423 (3); 436 (3); one genre course (3); one period course (3); 418 or 419 (3)

Support Courses:

Modern Foreign Languages (12)
 Electives (17) may be chosen from the related fields of Speech, Modern Foreign Languages, Mass Communications, and Library Science.

Courses Required for Teacher Certification:

Professional Education SS 301 (3); COUN 315 (3); ETEC 367 (3); EDCI 401 (3); EDCI 402 (12)
 ENG 218 (3); 316 (3); 331 (3), 332 (3); 402 (3)
 ENG 319, 320 (6); 321, 322 (6); 421 or 424 (3); 423 (3); 436 (3); 495 (3)

Requirements for a Minor:

ENG 303 (3); 331 or 332 (3)
 ENG 319, 320 (6); 321, 322 (6); 421, 423, or 429 (3)

124 \ JACKSON STATE UNIVERSITY

Bachelor of Arts: English Major

FRESHMAN YEAR

	F	S
ENG 111,112 Composition	3	3
FLG 101,102 Foreign Language	3	3
HIST 101,102 History of Civilization	3	3
BIO 101 Introduction to Biology		2
BIOL 101 Introduction to Biology Lab		1
MATH 111 College Algebra	3	
UNIV 100 University Success	2	
PSY 201 General Psychology		3
PE 101 Physical Education Activities	1	1
(Freshman Year Total: 31 Hours)	<u>15</u>	<u>16</u>

SOPHOMORE YEAR

ENG 205 World Literature	3	
ENG 206-228 English Option		3
ENG 211,212 Humanities	3	3
SS xxx Social Science Option		3
SCI 201, SCIL 201 Physical Science and Lab	3	
FLG 201,202 Foreign Language	3	3
SPCH 215 or 216 Speech Option		3
CSC 115C Digital Computer Principles	3	
(Sophomore Year Total: 30 Hours)	<u>15</u>	<u>15</u>

JUNIOR YEAR

ENG 303W Grammar & Composition	3	
ENG 319,320 Survey of English Literature	3	3
ENG 321,322 Survey of American Literature	3	3
ENG 331 Introduction to Linguistics		
or 332 The English Language		3
ENG 418 or ENG 419 Survey of Black Authors		3
ENG xxx One Genre Course		3
ENG xxx One Period Course	3	
Elective Elective Options	3	3
(Junior Year Total: 33 Hours)	<u>15</u>	<u>18</u>

SENIOR YEAR

ENG 421 or ENG 424 Chaucer or Milton	3	
ENG 423 or ENG 429 Shakespeare		3
ENG 436 Literary Criticism	3	
PHIL xxx Philosophy Option		3
ENG xxx Period or Genre Course	3	

ENG 495W Senior Seminar	3
Elective Elective Options	6 6

(Senior Year Total: 30 Hours) 15 15

TOTAL HOURS: 124

NOTE: Students must meet the requirement of at least 17 on the sub-scores of the ACT, or pass the ACCUPLACER, or pass ENG 002 to be placed in ENG 111.

Students must meet the requirement of at least 17 on the sub-scores of the ACT, or pass the ACCUPLACER, or pass MATH 004 to be placed in MATH 111.

Bachelor of Arts: English Major (Certification in Education)

FRESHMAN YEAR

	F	S
ENG 111,112 Composition	3	3
FLG 101,102 Foreign Language	3	3
HIST 101,102 History of Civilization	3	3
BIO 101 Introduction to Biology	2	
BIOL 101 Introduction to Biology Lab	1	
MATH 111 College Algebra		3
UNIV 100 University Success	2	
EDCI 100 Introduction to Education		3
PE xxx Physical Education Option	1	1

(Freshman Year Total: 31 Hours) 15 16

SOPHOMORE YEAR

ENG 205 World Literature	3	
ENG 218 Advanced Composition		3
PSY 201 General Psychology		3
SS xxx Social Science Option	3	
ART 206 Art Appreciation		3
SPCH 215 or 216 Speech Option	3	
ETEC 434 Computers in Education	3	
ENG 316 Adolescent & Young Adult Lit.		3
COUN 315 Human Growth & Development	3	
SS 301 Teachers and the Law		3

(Sophomore Year Total: 30 Hours) 15 15

JUNIOR YEAR

ENG 319,320 Survey of English Literature	3	3
ENG 321,322 Survey of American Literature	3	3
ENG 331 Introduction to Linguistics	3	

ACADEMIC PROGRAMS / 125

ENG 332	The English Language	3	
ENG 418 or			
ENG 419	Survey of Black Authors	3	
RE 455	Diag Rdng Inst Middle & Sec Schls	3	
PHIL xxx	Philosophy Option	3	
SPED 311	Exceptional Children & Youth	3	
ETEC 367	Intro to Assess., Meas. & Eval.	3	
(Junior Year Total: 33 Hours)		18	15

SENIOR YEAR

ENG 421 or	Chaucer or		
ENG 424	Milton	3	
ENG 423 or			
ENG 429	Shakespeare	3	
ENG 436	Literary Criticism	3	
ENG 402	Lang. Arts Middle & Sec. School	3	
EDCI 401	Res. Theory in Clinical Practice	3	
EDCI 402	Clinical Internship in Student Tchng	12	
ENG 495W	Senior Seminar	3	
(Senior Year Total: 30 Hours)		18	12

TOTAL HOURS: 124

NOTE: Students must meet the requirement of at least 17 on the sub-scores of the ACT, or pass the ACCUPLACER, or pass ENG 002 to be placed in ENG 111.

Students must meet the requirement of at least 17 on the sub-scores of the ACT, or pass the ACCUPLACER, or pass MATH 004 to be placed in MATH 111.

Bachelor of Arts: English Major (Computer Science Concentration)

FRESHMAN YEAR		F	S
ENG 111,112	Composition	3	3
FLG 101,102	Foreign Language	3	3
HIST 101,102	History of Civilization	3	3
BIO 101	Introduction to Biology		2
BIOL 101	Introduction to Biology Lab		1
MATH 111	College Algebra	3	
UNIV 100	University Success	2	
PSY 201	General Psychology		3
HE 101	Concepts of Health	3	
(Freshman Year Total: 32 Hours)		17	15

SOPHOMORE YEAR

ENG 205,			
206-228	World Literature, Option	3	3
ENG 211,212	Humanities	3	3
FLG 201,202	Foreign Language	3	3
SPCH 215/216	Speech Option		3
SCI 201,			
SCIL 201	Physical Science and Lab	3	
CSC 118	Programming Fundamentals	3	
CSL 118	Programming Fundamentals Lab	1	
CSC 119	Object-Oriented Programming		3
CSL 119	Object-Oriented Programming Lab		1

(Sophomore Year Total: 32 Hours) 16 16

JUNIOR YEAR

ENG 303W	Grammar and Composition	3	
ENG 319,320	Survey of English Literature	3	3
ENG 321,322	Survey American Literature	3	3
ENG 331/332	Intro to Ling./English Language		3
ENG 418 or			
ENG 419	Survey of Black Authors		3
MATH 112	Plane Trigonometry	3	
SS xxx	Social Studies Option	3	
CSC 225	Discrete Structures		3

(Junior Year Total: 30 Hours) 15 15

SENIOR YEAR

ENG 421or	Chaucer or		
ENG 424	Milton		3
ENG 423 or			
ENG 429	Shakespeare	3	
ENG 436	Literary Criticism		3
PHIL xxx	Philosophy Option		3
CSC 216	Computer Architecture & Organ.	3	
CSL 216L	Computer Arch. & Org. Lab	1	
ENG 495W	Senior Seminar		3
ENG xxx	Period/Genre Course	3	
CSC 228	Data Structure & Algorithm	3	
CSL 228	Data Structure & Algorithm Lab	1	
	Electives	1	3

(Senior Year Total: 30 Hours) 15 15

TOTAL HOURS: 124

Bachelor of Arts: English Major (Concentration in Business Administration)

FRESHMAN YEAR		F	S
ENG 111,112	Composition	3	3

126 \ JACKSON STATE UNIVERSITY

FLG 101,102	Foreign Language	3	3
HIST 101,102	History of Civilization	3	3
BIO 101	Introduction to Biology		2
BIOL 101	Introduction to Biology Lab		1
MATH 111	College Algebra	3	
UNIV 100	University Success	2	
PSY 201	General Psychology		3
PE 100	100-Level Activity Course	1	1

(Freshman Year Total: 31 Hours) 15 16

SOPHOMORE YEAR

ENG 205,			
206-228	World Literature, Option	3	3
ENG 211,212	Humanities	3	3
ECO 211,212	Principles of Economics	3	3
FLG 201,202	Foreign Language	3	3
MNGT 250C	Business Computer Application		3
ACC 211	Principles of Accounting	3	
CSC 115	Digital Computer Principles		3

(Sophomore Year Total: 33 Hours) 15 18

JUNIOR YEAR

ENG 303W	Grammar and Composition	3	
ENG 319,320	Survey of English Literature	3	3
ENG 321,322	Survey American Literature	3	3
ENG 331/332	Intro to Ling./English Language		3
ENG 418/419	Survey of Black Authors		3
ECO 357	Statistics I		3
SPCH 215/216	Speech Option	3	
ACC 212	Principles of Accounting	3	
MNGT 330	Principles of Management		3

(Junior Year Total: 33 Hours) 15 18

SENIOR YEAR

ENG 421or	Chaucer or		
ENG 424	Milton		3
ENG 423 or			
ENG 429	Shakespeare	3	
ENG 436	Literary Criticism		3
ENG 495W	Senior Seminar		3
FNGB 201	Legal Aspects Business		3
MKT 351	Marketing Management		3
PHIL xxx	Philosophy Option	3	
FNGB 320	Business Finance	3	
ENG xxx	Period or Genre Course	3	

(Senior Year Total: 27 Hours) 12 15

TOTAL HOURS: 124

Bachelor of Arts: English Major (Concentration in Journalism)

FRESHMAN YEAR

ENG 111,112	Composition	3	3
FLG 101,102	Foreign Language	3	3
HIST 101,102	History of Civilization	3	3
BIO 101	Introduction to Biology		2
BIOL 101	Introduction to Biology Lab		1
MATH 111	College Algebra	3	
UNIV 100	University Success	2	
PSY 201	General Psychology	3	
HE 101	Concepts of Health		3
MC 101	Colloquium		1

(Freshman Year Total: 33 Hours) 17 16

SOPHOMORE YEAR

ENG 205,			
206-228	World Literature, Option	3	3
ENG 211,212	Humanities	3	3
SPCH 215/216	Speech Option	3	
FLG 201,202	Foreign Language	3	3
SS xxx	Social Science Option		3
SCI 201,			
SCIL 201	Physical Science and Lab		3
MC 201	Introduction to Newswriting		3
CSC 115	Digital Computer Principles	3	

(Sophomore Year Total: 33 Hours) 15 18

JUNIOR YEAR

ENG 303W	Grammar and Composition	3	
ENG 319,320	Survey of English Literature	3	3
ENG 321,322	Survey American Literature	3	3
ENG 331/332	Intro to Ling./English Language		3
MC 301	Introduction to News Reporting	3	
MC 302	Advanced News Reporting		3
MC 305	Copy Editing		3
ENG 418/419	Survey of Black Authors	3	
ELECT	Elective Option	1	

(Junior Year Total: 31 Hours) 16 15

SENIOR YEAR

ENG 421 or	Chaucer or		
ENG 424	Milton		3
ENG 423	Shakespeare	3	
ENG 436	Literary Criticism		3
ENG xxx	Period/Genre Course		3
PHIL xxx	Philosophy Option		3

MC 429	Legal Ethical Aspects of Mass Com	3	
MC Elective	400-Level Course	3	
MC 404	Magazine & Feature Writing	3	
ENG 495W	Senior Seminar		3
(Senior Year Total: 27 Hours)		<u>15</u>	<u>15</u>

TOTAL HOURS: 124

OUTCOME MEASURES

Besides oral and written placement and the regular examinations required for students who are taking foreign languages courses, the Area of Modern Foreign Languages encourages its majors to take the area test of the PRAXIS.

AREA OF MODERN FOREIGN LANGUAGES

Ms. Carol Schweitzer, Coordinator

OFFICE: Dollye M. E. Robinson Building, Room #434

FACULTY: Professors M. Harvey, S. Banks; Assistant Professors G. Acker, M. Alegria, S. Abdur-Rashied; Instructor E. Velasquez

The Department of English and Modern Foreign Languages offers the Bachelor of Arts degree.

On the undergraduate level, concentrations and minors in French and Spanish may be obtained.

OBJECTIVES

The primary objectives of general foreign language instruction at Jackson State University are those shared by most foreign language departments today:

- To teach the student the fundamental skills of speaking, reading, and writing in the foreign language.
- To help the student to develop an understanding of and a respect for another culture.
- To give the student an awareness and appreciation of the aesthetic and intellectual history of the target culture and of its present day manifestations.
- To help the student comprehend, analyze and explicate literary works in the foreign language.
- To help the student acquire command of the target language as a tool for written and oral communication.
- To provide for the student's training so that he/she is capable of teaching and transmitting to others the aforementioned skills, attitudes, and abilities.

Bachelor of Arts: Foreign Languages (Primary Language – Spanish)

FRESHMAN YEAR

		F	S
UNIV 100	University Success	2	
SP 101,102	Elementary Spanish	3	3
ENG 111,112	Composition	3	3
HIST 101,102	History of Civilization	3	3
BIO 101	Introduction to Biology	2	
BIOL 101	Introduction to Biology Lab	1	
MATH 111	College Algebra		3
PSY 201	General Psychology		3
PE 101	Physical Education Activities	1	1

(Freshman Year Total: 31 Hours)

15 16

SOPHOMORE YEAR

SP 201/202	Intermediate Spanish	3	3
FR 101,102	Elementary French	3	3
ENG 205	World Literature	3	
ENG 201,202	Humanities	3	3
ENG 206-228	Option	3	
SP 230	Spanish Civilization Studies	3	
SP 231	Spanish American Civil. Studies		3
CSC 115 or BEAS 361	Digital Computer Principles or Word Processing		3
GEOG 105	Cultural Geography		3

(Sophomore Year Total: 36 Hours)

18 18

JUNIOR YEAR

SP 321,322W	Spanish Convers. & Composition	3	3
FR 201/202	Intermediate French	3	3
FR 230,231	Culture of France	3	3
SCI 201,			
SCIL 201	Physical Science and Lab	3	
SP 313	Landmarks Spanish Literature	3	
SP 317	Landmarks Spanish Amer. Lit.		3
SPCH 215	Speech Arts		3

(Junior Year Total: 30 Hours)

15 15

128 \ JACKSON STATE UNIVERSITY

SENIOR YEAR

SP 421,422	Advanced Topics in Conversation	3	3
FR 321,322W	Composition & Conversation	3	3
PHIL 301or	Intro to Philosophy or		
PHIL 416	Logic	3	
Elective	Elective Options	3	3
Elective	Elective Options	3	3
(Senior Year Total: 27 Hours)		15	12
TOTAL HOURS: 124			

Bachelor of Arts: Foreign Languages (Primary Language – French)

FRESHMAN YEAR

		F	S
UNIV 100	University Success	2	
FR 101,102	Elementary French	3	3
ENG 111,112	Composition	3	3
HIST 101,102	History of Civilization	3	3
BIO 101	Introduction to Biology	2	
BIOL 101	Introduction to Biology Lab	1	
MATH 111	College Algebra		3
PSY 201	General Psychology		3
PE 101	Physical Education Activities	1	1
(Freshman Year Total: 31 Hours)		15	16

SOPHOMORE YEAR

FR 201/202	Intermediate French	3	3
SP 101/102	Elementary Spanish	3	3
ENG 206/228	English Option		3
ENG 205	World Literature	3	
ENG 201,202	Humanities	3	3
FR 230	French Civilization Studies	3	
FR 231	French American Civil. Studies		3
CSC 115 or	Digital Computer Principles or		
BEAS 361	Word Processing		3
GEOG 105	Cultural Geography	3	
(Sophomore Year Total: 36 Hours)		18	18

JUNIOR YEAR

FR 321,322W	French Convers. & Composition	3	3
FR 311,312	Survey of French Literature	3	3
SP 201,202	Intermediate Spanish	3	3
SP 230	Spanish Civilization Studies	3	
SP 231	Spanish American Civil. Studies		3
SCI 201,			
SCIL 201	Physical Science and Lab	3	

SPCH 215	Speech	3	
(Junior Year Total: 30 Hours)		18	12

SENIOR YEAR

FR 421,422	Advanced Topics in Conversation	3	3
SP 321,322W	Composition & Conversation	3	3
PHIL 301or	Intro to Philosophy or		
PHIL 416	Logic	3	
Elective	Elective Options	3	3
Elective	Elective Options	2	3
(Senior Year Total: 26 Hours)		14	12

TOTAL HOURS: 124

The B.A. Degree in Foreign Languages with Emphasis in Two Languages:

A.	JSU General Education Requirements	59
B.	PRIMARY LANGUAGE	
1.	201-202 – Intermediate Courses	6
2.	230-231 – Culture of France/Culture of Spanish/Latin America	6
3.	311-312 – Survey of French Literature/ 313-317 – Landmarks of Spanish American Lit.	6
4.	321-322 – Composition & Conversation	6
5.	421-422 – Advanced Topics in Conversation	6
	Total Hours:	30
C.	SECOND LANGUAGE	
1.	101-102 – Elementary Courses	6
2.	201-202 – Intermediate Courses	6
3.	230-231 – Culture of France or Spain/Latin America	6
4.	321-322 – Composition & Conversation	6
	Total Hours:	24
D.	ELECTIVES	11
GRAND TOTAL:		124

Concentration in French:

Twenty-four (24) hours to include:

French 101-102
French 201-202
French 230-231
French 321-322

Concentration in Spanish:

Twenty-four (24) hours to include:

- Spanish 101-102
- Spanish 201-202
- Spanish 230-231
- Spanish 321-322

DEPARTMENT OF HISTORY AND PHILOSOPHY

Dr. Dernoral Davis, Associate Professor and Chair

OFFICE: Dollye M. E. Robinson Building, Suite #4

FACULTY: Associate Professors J. Brockley, S. Maneck, B. K. Thompson; Assistant Professors M. Bernhardt, A. Crump, E. Overman, P. Nyambara; Instructors R. Chapman, B. Gardner, J. Gilbert, C. Holbrook

OBJECTIVES

The objectives of the Department of History are:

- To promote historical literacy through the transmission of knowledge about the human experience.
- To emphasize the diversity of the human historical experience and the multi-cultural basis of the contemporary global village.
- To provide the opportunity and occasion for students to hone their verbal and writing skills.
- To promote student learning and mastery via conceptual, analytical and critical thought.
- To expose students to the skills, techniques and opportunities necessary to conduct archival and primary document research. As future professionals, graduates will find it necessary to access, process, interpret and present information.

OUTCOME MEASURES

Departmental Exit Examination

PRAXIS Examination (B.S. Degree)

English Proficiency Examination

Senior Thesis requirement

GRE General Examination (B.A. Degree)

DEPARTMENTAL POLICIES

A history major with a GPA of less than 2.0 will receive a warning letter from the Department. A major with an average of less than 2.0 will not be permitted to enroll in either HIST 344 or 447. A grade of "D" in any history course will not be accepted toward a Bachelor of Arts or a Bachelor of Science degree in History.

DEGREE PROGRAMS

The Department offers the Bachelor of Arts degree in History, the Bachelor of Science degree in History, a minor in History, and a minor in Philosophy and Religion. A minimum of 124 hours is required to complete the course of study for the Bachelor of Arts, and 122 hours for the Bachelor of Science degree in History.

For all programs, the following Core Curriculum requirements are Communication (English, Speech, and a Foreign Language) – 12-18 hours; Humanities and Fine Arts – 6 hours; Social and Behavioral Science (including History of Civilization) – 9 hours; Natural Science (including computer literacy) – 6-9 hours; Health or Physical Education – 2-3 hours; and Concepts for Success in College – 2 hours. The total number of hours will range between 37 and 47 depending on whether a student receives foreign language credit based on his/her high school record, or taken P.E. instead of Health. Specific course numbers and titles are identified on the Department's curriculum sheet. A minimum grade of "C" must be earned in all History courses. A 2.0 GPA is required for graduation. Additional requirements for graduation include passage of both the English Proficiency and History Department exit examinations. For teacher certification passage of the PRAXIS is required.

BACHELOR OF ARTS DEGREE REQUIREMENTS

The Department of History and Philosophy requires at least 39 hours of History in addition to History of Civilization. There is no maximum number of history hours required. Required courses include: (1) HIST 201 and 202 – United States History; (2) HIST 211 and 212 – Survey of Europe, or 6 hours of European History; (3) HIST 344 – Historiography; and (4) HIST 447 – Research Seminar. HIST 344 and HIST 447 must be taken in sequence and each course will only be offered once annually. Additionally 18 hours of Social Science courses are required.

For B.A. majors interested in teacher certification in Social Science for the State of Mississippi, the Department strongly recommends the alternative route to state certification. Under this program, students will follow the standard B.A. curriculum

130 \ JACKSON STATE UNIVERSITY

except that HIST 325 – Mississippi History, becomes a requirement and students will take thirty-nine (39) hours of social science instead of eighteen (18) hours in Social Science Courses. The courses should be distributed as follows: (1) PS 135 – American Government and one other political science course; (2) SOC 214 – Introduction to Sociology and other sociology course; (3) ECO 211 – Principles of Macroeconomics and ECO 212 – Principles of Microeconomics; any two Geography courses; (4) PSY 305 – Adolescent Psychology; PSY 306 – Educational Psychology; and PSY 307 – Measurement and Evaluation; and any two elective courses from the areas of political science, sociology, economics, geography, psychology, and social science.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

The Department of History and Philosophy requires at least 36 hours of History in addition to History of Civilization; no maximum is set. Required Courses include: (1) HIST 201 and 202 – United States History; (2) HIST 211 and 212 – Survey of Europe, or 6 hours of European History; (3) HIST 325 – Mississippi History; (4) HIST 344 – Historiography; and (5) HIST 447 – Research Seminar.

Professional Education Requirements include: (1) EDCI 100 – Introduction of Education (3 hours); (2) SS 203 – Foundations of Education (3 hours); (3) RE 455 – Diagnostic Reading in the Secondary School (3 hours); (4) ETEC 367 – Introduction to Measurement, Evaluation and Assessment (3 hours); (5) SS 301 – Law and Our Social System (3 hours); (6) COUN 315 – Human Development and Learning (3 hours); EDCI 401 – Research Classroom Management and Clinical Practice (3 hours); SS 401 – Social Science Methods (3 hours); SPED 311 – Exceptional Children and Youth (3 hours); and EDCI 402 – Clinical Internship in Student Teaching (12 hours); for a total of 39 hours.

Concentration Requirements:

The Department of History and Philosophy requires at least 21 hours of History for a History concentration. The requirements include one course in European History, U.S. History–202, Historiography–344, and four additional history courses at either the 300 or 400 level.

Within the Department of History and Philosophy a concentration in Philosophy and Religion is offered. The number of hours necessary or required for a concentration is 21 credits. Requirements for the concentration include Introduction to Philosophy–301, and five additional course offerings in Philosophy and Religion chosen by the student in consultation with an advisor from this area.

Bachelor of Arts: History Major

FRESHMAN YEAR		F	S
ENG 104,105	Composition	3	3
HIST 111,112	History of Civilization	3	3
UNIV 100	University Success	2	
MATH 111	College Algebra	3	
HE 101/ or PE xxx	Concepts of Health or 100-Level Activity Course	3	1
SS 201	Social Institutions		3
ART 206	Art Appreciation		3
Elective	Elective Options	3	
(Freshman Year Total: 31 hours)		15	16

SOPHOMORE YEAR			
HIST 201,202	United States History	3	3
ENG 205	World Literature	3	
FLG 101,102	Foreign Language	3	3
SCI 201, SCIL 201	Physical Science and Lab	3	
SPCH 201	Speech Arts		3
CSC 115	Digital Computer Principles		3
Elective	Elective Options	3	3
(Sophomore Year Total: 34 Hours)		15	15

JUNIOR YEAR			
HIST 211,212	Survey of Europe	3	3
PHIL 301	Introduction of Philosophy		3
PSY 201	General Psychology		3
HIST xxx	Elective Options	3	3
SS xxx	Social Science Electives	3	6
Elective	Elective Options	6	
(Junior Year Total: 33 Hours)		15	18

SENIOR YEAR			
HIST 344	Historiography	3	
HIST 447	Research Seminar		3
HIST xxx	History Electives	3	3
Elective	Elective Options	6	9
SS xxx	Social Science Elective	3	
(Senior Year Total: 30 Hours)		15	15

TOTAL HOURS: 124

Bachelor of Science: History Major

FRESHMAN YEAR		F	S
ENG 104,105	Composition	3	3
HIST 111,112	History of Civilization	3	3
UNIV 100	University Success	2	
MATH 111	College Algebra	3	
BIO 101	Introduction to Biology	2	
BIOL 101	Introduction to Biology Lab	1	
HE 102	Concepts of Health for Teachers	3	
SS 201	Social Institutions		3
ART 206	Art Appreciation		3
EDCI 100	Introduction to Education		3
(Freshman Year Total: 33 hours)		<u>17</u>	<u>15</u>

SOPHOMORE YEAR

HIST 201,202	United States History	3	3
ENG 205	World Literature	3	
FLG 101,102	Foreign Language	3	3
CSC 115	Digital Computer Principles		3
SPCH 201	Speech Arts		3
PS 135	American Government	3	
SS 203	Historical & Cultural Fndtns of Ed.	3	
MATH 226	Concepts & Structure of Math		3
(Sophomore Year Total: 30 Hours)		<u>15</u>	<u>15</u>

JUNIOR YEAR

HIST 211,212	Survey Europe/Substitute	3	3
HIST 325	History of Mississippi	3	
HIST 344	Historiography	3	
HIST 447	Research Seminar		3
ECO 211	Principles of Economics	3	
GEOG 105	Cultural Geography		3
COUN 215	Human Development & Learning		3
ETEC 367	Intro Assess. Measurement & Eval.	3	
HIST 360/361	Blacks in American History		3
(Junior Year Total: 30 Hours)		<u>15</u>	<u>15</u>

SENIOR YEAR

PHIL 301	Introduction to Philosophy	3	
SS 302	Law and Our Society	3	
SPED 311	Exceptional Child Youth School	3	
RE 455	Diagnostic Reading in Secd. Schls	3	
EDCI 401B	Research Classroom Management and Clinical Practice	3	
SS 401S	Social Science Methods	3	
EDCI 402	Clinical Internship in Student Tchng		12

(Senior Year Total: 30 Hours)

18 12

TOTAL HOURS: 122

NOTE: HIST 447 and 360 or 361 may be substituted by History Education majors for SS 443 and SS 111 respectively. Students must have 30 hours of History including History of Civilization and 9 hours chosen from the following social sciences: Political Science, Geography, Sociology, Economics, and Psychology. Recommended courses include PS 136 – American Government, SOC 214 – Introduction to Sociology, and GEOG 105 – Introduction to Cultural Geography. These courses may also be taken as a substitute to SS 201 – Social Institutions.

A minimum grade of “C” must be earned in all History and Education courses. A 2.0 GPA is required for graduation. Admission to Teacher Education requires a higher GPA. Passage of the English Proficiency Examination and completion of the History Department Exit Examination is required for graduation. Passage of the PRAXIS is required for teacher certification.

DEPARTMENT OF MASS COMMUNICATIONS

Dr. Olorundare E. Aworuwa, Interim Chair
OFFICE: 100 Mississippi e-Center @ JSU
1230 Raymond Road, Jackson, Mississippi 39204

FACULTY: Associate Professor O. Aworuwa; Assistant Professors A. Chang, A. Dilworth, M. Flippin-Wynn, J. Meredith, T. Taylor; Clinical Assistant Professors S. Fridge, R. Brown Teague

The Department offers the Bachelor of Science Degree focusing on three (3) concentrations: 1) Multimedia Journalism, 2) Integrated Marketing Communications, and 3) Media Production. The Department of Mass Communications is accredited by the Accrediting Council on Education in Journalism and Mass Communications. The Department supports the mission of the urban university through a cooperative relationship with local and regional media, business, industry, and community.

ACEJMC VALUES AND COMPETENCIES

The Department of Mass Communications is accredited by the Accrediting Council for Education in Journalism and Mass Communication (ACEJMC). The Department is committed to instilling the following values and competencies developed by ACEJMC:

Individual professions in journalism and mass communication may require certain specialized values and competencies. Irrespective of their particular specialization, all graduates should be aware of certain core values and competencies and be able to:

1. Understand and apply the principles and laws of freedom of speech and press, for the country in which the institution that invites ACEJMC is located, as well as receive instruction in and understand the range of systems of freedom of expression around the world, including the right to dissent, to monitor and criticize power, and to assemble and petition for redress of grievances;
2. Demonstrate an understanding of the history and role of professionals and institutions in shaping communications;
3. Demonstrate an understanding of gender, race, ethnicity, sexual orientation, and, as appropriate, other forms of diversity in domestic society in relation to mass communications.
4. Demonstrate an understanding of the diversity of peoples and cultures and of the significance and impact of mass communications in a global society.
5. Understand concepts and apply theories in the use and presentation of images and information;
6. Demonstrate an understanding of professional ethical principles and work ethically in pursuit of truth, accuracy, fairness, and diversity;
7. Think critically, creatively, and independently;
8. Conduct research and evaluate information by methods appropriate to the communications professions in which they work;
9. Write correctly and clearly in forms and styles appropriate for the communications professions, audiences, and purposes they serve;
10. Critically evaluate their own work and that of others for accuracy and fairness, clarity, appropriate style and grammatical correctness;
11. Apply basic numerical and statistical concepts;
12. Apply tools and technologies appropriate for the communications professions in which they work.

MISSION STATEMENT

The Department of Mass Communications seeks to educate and train students who can lead communications industries by providing a strong foundation in the First Amendment, written and oral communications skills, critical thinking, theory, research, and numerical and statistical concepts. The Department will teach students to write with accuracy, clarity, truth, fairness, and creativity in the appropriate form and styles. The Department will ensure that students acquire hands-on experiences to equip them to meet the technological, ethical, and cultural challenges of a diverse society.

PROGRAM OBJECTIVES

In consideration of the ACEJMC Values and Competencies and the Department's Mission Statement, the Department has developed the following program objectives that will be met by all students receiving a degree in Mass Communications. By the end of the program of study, students should be able to:

1. Understand the basic historical and theoretical foundations of the field of mass communications.
2. Apply critical thinking skills in response to hypothetical and real-world situations and conduct basic research that addresses problems in a global society.
3. Gather, organize, and interpret numerical, statistical, and other information to be presented to a mass audience.
4. Effectively communicate clearly, accurately, truthfully, and fairly in the appropriate formats and styles.
5. Effectively use technology to meet the demands of the communications industry and serve a diverse community.
6. Work effectively in teams to develop the leadership skills needed to create and implement communication projects.
7. Understanding communication laws and their rights and responsibilities in the field of mass communications.
8. Understand various ethical perspectives and be able to make decisions that require consideration of ethical principles.

ADMISSION REQUIREMENTS

ACT/SAT Requirements

Students interested in declaring Mass Communications as a major, must score 18 or higher on the English portion of the ACT and earn a composite score of 18 or higher. Students who take the SAT must score a composite 1,320. However, if an 18 has not been earned on the composite section of the ACT, but an 18 or higher score has been earned on the English portion, the student will be admitted conditionally. Students who have maintained a 3.20 average in college preparatory courses may have the ACT/SAT requirement waived. Transfer students must also comply with the departmental ACT/SAT score standards for Mass Communications.

English Proficiency Exam

Jackson State University requires that all students complete the English Proficiency Exam. Students in the Department of Mass Communications must complete the English Proficiency Exam no later than the end of the sophomore year and prior to taking courses in the concentration areas.

Preliminary Courses

Prior to declaring Mass Communications as a major, students must take MC 150, MC 200, and MC 201. Students must achieve a grade of "B" or better in MC 200, and MC 201 before declaring Mass Communications as a major.

Readmission Requirements

All readmitted students must comply with current curriculum and admission standards.

GRADUATION REQUIREMENTS

A student must earn a minimum grade point average of 2.00 to qualify for graduation. Students must also have earned a grade of "C" or higher in all Mass Communications courses with no Incompletes showing on the transcript at the time of Graduation Clearance. All students must take the Graduate Record Examination (GRE) prior to graduation.

MAJOR COURSE REQUIREMENTS

Upon successful admission to the program after obtaining a "B" or better in MC 200, and MC 201, students must obtain a grade of "C" or better in all major courses including the concentration area. Students will be allowed to repeat courses only once. Students in the department are also required to take six (6) hours of Foreign Language on the college or university level. All students who declare Mass Communications as a major must complete the following courses.

Course	Title	Hours
MC 150	Urban Media Literacy	3
MC 200	Introduction to Mass Communications	3
MC 201	Introduction to Media Writing	3
MC 400	Media Law	3
MC 401	Research Methods in Mass Communications	3
MC 405	Media Ethics	3
MC 486	Practicum	
or	or	
MC 489	Internship in Mass Communications	3
Total Hours:		21

Concentration Requirements and Capstone Courses

In addition to the core courses that are required for the major, students will choose a concentration area. Upon entry into the program and selection of concentration area, students will be given a Concentration Sequence outline detailing a plan for completion of the program. The concentration areas are as follows: Multimedia Journalism, Integrated Marketing Communications, or Media Production.

Each concentration area has a Capstone Course that will be taken in the final semester. The Capstone Course is a culmination of all the skills that students have learned and requires that the student complete a major project and present the project in a public forum.

Multimedia Journalism:

The Multimedia Journalism concentration is designed to introduce students to the basic skills needed in an increasingly multimedia environment in the news industry. Students will be taught skills in print media, broadcast, and online journalism. Students will also, be introduced to trends in the news media to provide them with a better understanding of the multimedia organization. This concentration area requires a total of 21 hours. The required 18 hours for all students in this area are as follows:

Course	Title	Hours
MC 301	Introduction to News Reporting	3
MC 303	Broadcast Writing	3
MC 307	Photojournalism	3
MC 310	Multimedia Production	3
MC 320	Online Journalism	3
MC 409	Multimedia Reporting (Capstone Course)	3
Total Hours:		18

Students in this concentration will choose from one of two tracks: Print or Electronic. The 3 hour requirements for each area are as follows:

Print Emphasis Area:

MC 305	Copy Editing	3
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Electronic Emphasis Area:

MC 315	Digital Editing	3
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Students will choose the remaining hours to fulfill degree requirements from electives in the department or in other departments in the College of Liberal Arts.

Integrated Marketing Communications:

The Integrated Marketing Communications (IMC) concentration prepares students for careers in public relations, advertising, sales promotion, and marketing. This concentration blends the once distinct professions to allow the student to examine the approaches holistically in the promotion of the organization. This concentration requires a total of 24 hours. The concentration provides students with skills in public relations and advertising. Each student must take the following courses for the concentration:

Course	Title	Hours
MC 330	Intro to Integrated Marketing Communications	3
MC 336	Advertising Copy Layout and Design	3
MC 423	Advertising Media and Selection	3
MC 425	Advertising Media Sales	3
MC 452	Sales Promotions Management	3
MC 470	Public Relations Writing	3
MC 471	Public Relations Practice	3

134 \ JACKSON STATE UNIVERSITY

MC 473	IMC Campaigns (Capstone Course)	3
	Total Hours:	24

Students who chose IMC as a concentration are also required to take 21 hours of the following courses outside of the department:

Course	Title	Hours
ACC 211	Principles of Financial Accounting	3
ART 302	Computer Graphics	3
FIN 320	Business Finance	3
MKT 351	Marketing Management	3
MKT 438	Marketing Research	3
MKT 440	Consumer Behavior	3
MNGT 458	Strategic Management	3
	Total Hours:	21

Media Production:

The Media Production concentration is designed to provide undergraduate students with professional experience and training for careers as media practitioners in electronic media. The goal of the concentration is to provide a broad spectrum of skills in the production and dissemination of material through the mass media and train students to be conceptually and technically proficient storytellers. This concentration requires 21 hours. The following courses are required for all students in this area:

Course	Title	Hours
MC 303	Introduction to News Writing	3
MC 307	Photojournalism	3
MC 310	Introduction to Media Production	3
MC 315	Digital Editing	3
MC 323	Advanced Media Production	3
MC 426	Broadcast Documentary	3
MC 440	Media Programming (Capstone Course)	3
	Total Hours:	21

MINOR REQUIREMENTS

Minor Requirements: All Mass Communications majors are required to complete a 21 hour minor in an area outside of Mass Communications to meet graduation requirements, unless otherwise noted. General education courses may not be used to fulfill a minor requirement. Students from other departments may complete a 21 hour minor in Mass Communications in one of three concentrations:

Multimedia Journalism

MC 200	Introduction to Mass Communications	3
MC 201	Introduction to Media Writing	3
MC 301	Introduction to News Reporting	3
MC 303	Broadcast Writing	3
MC 305	Copy Editing	3
MC 307	Photojournalism	3
MC 320	Online Journalism	3
	Total Hours:	21

Integrated Marketing Communications

MC 200	Introduction to Mass Communications	3
MC 201	Introduction to Media Writing	3
MC 330	Intro to Integrated Marketng Communicatns	3
MC 423	Advertising Media and Selection	3
MC 470	Writing for Public Relations	3
MC 471	Public Relations Practice	3
MC 473	Integrated Marketing Communications	3
	Total Hours:	21

Media Production

MC 200	Introduction to Mass Communications	3
MC 201	Introduction to Media Writing	3
MC 303	Introduction to News Writing	3
MC 307	Photojournalism	3
MC 310	Introduction to Media Production	3
MC 315	Digital Editing	3
MC 323	Advanced Media Production	3
	Total Hours:	21

MASS COMMUNICATION ELECTIVES

The following courses serve as electives for students:

MC 306	Advanced Copy Editing	3
MC 402	Advanced Reporting	3
MC 404	Feature Writing	3
MC 406	Urban-Affairs Reporting	3
MC 411	Scriptwriting	3
MC 430	Management of New Technologies	3
MC 432	International Journalism	3
MC 450	Special Projects in Mass Communications	3
MC 475	Special Topics in Mass Communications	3
MC 472	Corporate Communications	3

**Bachelor of Science: Mass Communication
(Multimedia Journalism Concentration)**

FRESHMAN YEAR		F	S
UNIV 100	University Success	2	
PE xxx	Any 100-Level Activity Course		
or	or		
HE 101	Concepts of Health	2 or 3	
HIST 101,102	History of Civilization	3	3
ENG 111,112	Composition and Literature	3	3
BIO 101,			
BIOL 101	Introduction to Biology and Lab		
or	or		
SCI 201,			
SCIL 201	Physical Science and Lab		
or	or		
CHEM xxx	Chemistry & Lab Option	3	
FLG 101,102	Modern Foreign Languages	3	3
MATH 111	College Algebra		3
MC 150	Urban Media Literacy		3
CSC xxx	Computer Literacy Option		3
(Freshman Year Total: 34-35 Hours)		<u>16-17</u>	<u>18</u>

SOPHOMORE YEAR

SPCH xxx	Speech Option (201 or 215 or 216)	3	
MUS 205	Music Appreciation		
or	or		
ART 206	Art Appreciation	3	
MC 200	Intro to Mass Communications	3	
SS xxx	Social Science Option		3
ENG 205	World Literature		3
MC 201	Media Writing		3
Minor Seq.	Minor or Elective Course	9	6
(Sophomore Year Total: 33 Hours)		<u>18</u>	<u>15</u>

Students who have completed at least two years of a foreign language in high school are required to earn a minimum of three (3) semester hours of Liberal Arts courses.

JUNIOR YEAR

PHIL 301	Intro to Philosophy or Option	3	
MC 301	News Reporting	3	
MC 303	Broadcast Writing		3
MC 307	Photojournalism		3
MC 310	Media Production	3	
MC 320	Online Journalism		3
Minor Seq.	Minor Courses	6	6
(Junior Year Total: 30 Hours)		<u>15</u>	<u>15</u>

SENIOR YEAR

MC 305	Copy Editing		
or	or		
MC 315	Digital Editing		3
MC 400	Media Law		3
MC 401	Research Methods in Mass Comm.	3	
MC 405	Media Ethics		3
MC 409	Multimedia Reporting		3
MC 486	Practicum		
or	or		
MC 489	Internship in Mass Communications		3
MC xxx	MC Elective (300-400 level)	3	
Minor Seq.	Minor Courses Electives	3	3
(Senior Year Total: 27 Hours)		<u>15</u>	<u>12</u>

TOTAL HOURS: 124-125

NOTE: It is strongly suggested that students consider the following course(s) as electives:

HIST 319	U.S. Media History		3
MC 306	Advanced Copy Editing		3
MC 402	Advanced Reporting		3
MC 406	Urban Affairs Reporting		3

**Bachelor of Science: Mass Communication
(Integrated Marketing Communications Concentration)**

FRESHMAN YEAR		F	S
UNIV 100	University Success	2	
PE xxx	Any 100-Level Activity Course		
or	or		
HE 101	Concepts of Health	2 or 3	
HIST 101,102	History of Civilization	3	3
ENG 111,112	Composition and Literature	3	3
BIO 101,			
BIOL 101	Introduction to Biology and Lab		
or	or		
SCI 201,			
SCIL 201	Physical Science and Lab		
or	or		
CHEM xxx	Chemistry & Lab Option	3	
FLG 101,102	Modern Foreign Languages	3	3
MATH 111	College Algebra		3
MC 150	Urban Media Literacy		3
CSC xxx	Computer Literacy Option		3
(Freshman Year Total: 34-35 Hours)		<u>16-17</u>	<u>18</u>

136 \ JACKSON STATE UNIVERSITY

SOPHOMORE YEAR

SPCH xxx	Speech Option (201 or 215 or 216)	3		
MUS 205	Music Appreciation			
or	or			
ART 206	Art Appreciation	3		
MC 200	Intro to Mass Communications	3		
ART 103	Intro to Computer Graphics Design	3		
ART 302	Intro to Graphic Design		3	
ACC 211	Principles of Financial Accounting	3		
ECO 211	Principles of Macroeconomics		3	
SS xxx	Social Science Option		3	
ENG 205	World Literature		3	
MC 201	Media Writing		3	
MKT 351	Marketing Management		3	

(Sophomore Year Total: 35 Hours) 15 18

Students who have completed at least two years of a foreign language in high school are required to earn a minimum of three (3) semester hours of Liberal Arts courses.

JUNIOR YEAR

PHIL 301	Intro to Philosophy or Option	3		
MC 330	Intro to IMC	3		
FIN 320	Business Finance		3	
MKT 438	Market Research		3	
MC 336	Advertising Copy and Layout	3		
MKT 448	Marketing Channels		3	
MC 423	Advertising Media Selection	3		
MC 425	Advertising Sales and Marketing		3	
MC 430	Media Management			
or	or			
ART 349	Graphic Design I	3		
MC 470	Writing for Public Relations		3	

(Junior Year Total: 30 Hours) 15 15

SENIOR YEAR

MC 400	Media Law	3		
MC 401	Research Methods in Mass Comm.	3		
MC 405	Media Ethics		3	
MC 440	Consumer Behavior	3		
MC 452	Sales Promotions Management	3		
MC 458	Strategic Management			
or	or			
MKT 462	Marketing Policies/Strategies		3	
MC 471	Public Relations Practice	3		
MC 473	IMC/Advertising Campaigns		3	
MC 486	Practicum			
or	or			
MC 489	Internship in Mass Communications		3	
MC xxx	MC Elective (300-400 level)		3	

(Senior Year Total: 30 Hours)

15 15

TOTAL HOURS: 127-128

NOTE: It is strongly suggested that students consider the following course as elective:

HIST 319	U.S. Media History		3	
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Bachelor of Science: Mass Communication (Media Production Concentration)

FRESHMAN YEAR F S

UNIV 100	University Success		2	
PE xxx	Any 100-Level Activity Course			
or	or			
HE 101	Concepts of Health		2 or 3	
HIST 101,102	History of Civilization		3	3
ENG 111,112	Composition and Literature		3	3
BIO 101,				
BIOL 101	Introduction to Biology and Lab			
or	or			
SCI 201,				
SCIL 201	Physical Science and Lab			
or	or			
CHEM xxx	Chemistry & Lab Option		3	
FLG 101,102	Modern Foreign Languages		3	3
MATH 111	College Algebra			3
MC 150	Urban Media Literacy			3
CSC xxx	Computer Literacy Option			3

(Freshman Year Total: 34-35 Hours) 16-17 18

SOPHOMORE YEAR

SPCH xxx	Speech Option (201 or 215 or 216)	3		
MUS 205	Music Appreciation			
or	or			
ART 206	Art Appreciation		3	
MC 200	Intro to Mass Communications		3	
ENG 205	World Literature			3
SS xxx	Social Science Option			3
MC 201	Media Writing			3
Minor Seq.	Minor or Elective Course		9	6

(Sophomore Year Total: 33 Hours) 18 15

Students who have completed at least two years of a foreign language in high school are required to earn a minimum of three (3) semester hours of Liberal Arts courses.

JUNIOR YEAR

PHIL 301	Intro to Philosophy or Option	3	
MC 307	Photojournalism	3	
MC 310	Media Production	3	
MC 315	Digital Editing		3
MC 323	Media Production II		3
MC xxx	MC Elective (300-400 level)	3	
Minor Seq.	Minor or Elective Course(s)	3	9
(Junior Year Total: 30 Hours)		15	15

SENIOR YEAR

MC 400	Media Law	3	
MC 401	Research Methods in Mass Comm.	3	
MC 405	Media Ethics		3
MC 426	Broadcast Documentary	3	
MC 440	Media Programming		3
MC 486	Practicum		
or	or		
MC 489	Internship in Mass Communications		3
MC xxx	MC Elective (300-400 level)	3	
Minor Seq.	Minor Elective Course(s)	3	6
(Senior Year Total: 30 Hours)		15	15

TOTAL HOURS: 127-128

NOTE: It is strongly suggested that students consider the following course(s) as electives:

HIST 319	U.S. Media History	3	
MC 391	History of Film	3	
MC 409	Multimedia Reporting	3	
MC 411	Scriptwriting	3	

DEPARTMENT OF MILITARY SCIENCE

LTC Jennifer C. Expose-Francisco, Professor and Chair
OFFICE: Old Faculty Apartment Building

FACULTY: Assistant Professor LTC Ronnie Braxton, CPT Tomika M. Seaberry, MSG Kimble Ceasar

The Reserve Officers' Training Corps (ROTC) provides students an opportunity to earn a Presidential Commission as a Second Lieutenant in the U.S. Army, the U.S. Army Reserves, or the Army National Guard, concurrent with the pursuit of an academic degree.

OBJECTIVES

The objectives of the program are as follows:

1. To produce the future officer leadership of the U.S. Army.
2. To provide an understanding of how the U.S. Army Reserve and Army National Guard fit into the National Defense structure.
3. To develop the leadership and managerial potential of students to facilitate their future performance as officers.
4. To develop the students' abilities to think creatively and speak and write effectively.
5. To encourage the development of mental and moral standards that are essential to military service.

The Program of instruction includes developing self-discipline, physical stamina, and other qualities that are cornerstones of leadership excellence.

The ROTC Program is divided into a Basic Course of instruction (Freshman and Sophomore classes) and an Advanced Course of instruction (Junior and Senior classes). In addition to the course of instruction, students are required to attend a Leadership Laboratory. Mathematics, English, and Reading courses are offered through the ROTC Enhancement Skills Training Program. Students enrolled in the junior and senior ROTC classes are also required to enroll in and complete one course in History of the Military (HIST 308) prior to commissioning. Three (3) semester hours are earned for each course.

All students complete an internship during the summer between their junior and senior years. Some overseas internships are available. Off-campus summer training in parachuting, helicopter operations, engineering and outdoor marksmanship are available to all ROTC students.

DEPARTMENT OF MUSIC

Dr. Darcie Bishop, Associate Professor and Interim Chair
OFFICE: Frederick Hall Music Center

FACULTY: Professors R. Blaine, E. Brooks-Smith (Visiting), K. Laubengayer, D. Robinson, R. Thomas; Associate Professors D. Bishop, D. Ware; Assistant Professors L. Galbreath, R. Jordan (Visiting), R. Murray, D. Taylor, H. Zackery; Instructors W. Castilla, R. Chism, P. Lewis-Hale, L. Hollinger, R. Rettger, O. Rockwell

OBJECTIVES

The objectives of the Department of Music are as follows:

1. To offer curricula in music on various levels appropriate to the needs of the students.
2. To prepare effective teachers and proficient performers of music in general, vocal, keyboard, and instrumental areas.
3. To broaden the scope of study and learning in music with particular reference to various idioms, styles, media, careers, and methodologies.
4. To provide basic and specific opportunities for the musical development of students pursuing study in major fields other than music.
5. To contribute to and participate actively in the cultural life of the University, area schools, and the community.

The Department of Music offers the Bachelor of Music Education (BME) and the Bachelor of Music (BM) degrees.

OUTCOME MEASURES

Audition: Auditions and basic musicianship tests are administered to prospective students prior to acceptance as a music major.

Performance: One (1) Student Recital Performance is required each semester for all Bachelor of Music Education students, except the first semester of enrollment. Two (2) Student Recital Performances are required for all Bachelor of Music in Performance students, except the first semester.

Jury: Examination required for all majors at the end of each semester of applied study.

Sophomore Proficiency Evaluation: Required evaluation for students during the second semester of the sophomore year.

Sophomore Proficiency Evaluation Guidelines:

1. All music majors who have completed the required Freshman and Sophomore music courses and requirements as listed in the music curriculum are required to take the Sophomore Proficiency Evaluation during the spring semester of their Sophomore year before matriculating to 300-level music courses.
2. Students who fail the Sophomore Proficiency Evaluation will be allowed to repeat the evaluation or enroll in and pass MUS 113 before matriculating to 300-level courses. MUS 113 is a one-semester course.
3. Transfer Students: All transfer students will be advised on the Sophomore Proficiency Evaluation after an evaluation of their college or community college transcript. Based upon their transcript evaluation, the student will be advised to take additional class work, take the Sophomore Proficiency Evaluation, or proceed into 300-level courses. Students who have obtained the Associate Degree in Music are exempt from the examination.
4. The SOPHOMORE PROFICIENCY EVALUATION will be given two (2) times per year, once during the (a) Spring and (b) Fall Semesters.

Piano Proficiency Examination: Required at the conclusion of study in Applied Secondary Piano –(MUS 215) for all music and music education majors.

Junior and Senior Recital: Required of all Bachelor of Music Education and Bachelor of Music in Performance majors.

Students whose major in Music Education must be admitted to the Teacher Education Program. Requirements for Admission to Teacher Education can be found in the Office of Professional and Field -Based Experiences section of the Undergraduate catalog on page 96.

PRAXIS I Area Examination with minimum scores of Reading 170, Writing 172 and Math 169 are required.

Admission to the Teacher Education Program does not guarantee admission to student teaching.

Students whose major is Music Education must meet all requirements for Student Teaching. Requirements for admission to student teaching can be found in the Office of Professional and Field-Based Experiences section of the Undergraduate catalog on page 96.

A student must submit the required minimum scores on teacher licensure tests: Praxis II–Principals of Learning and Teaching–and Praxis II–Specialty Area Test.

GRE—required for Bachelor of Music majors prior to graduation.

DEPARTMENTAL GRADE POLICY

Students must earn a minimum grade of “C” in all major courses.

Requirement for a Minor in Music:

A minimum of 22 semester hours is required for a minor in music. The required courses are:

MUS 111 and 112 (4 hours); MUSY 111 and 112 (2 hours)
 MUS 211 and 212 (4 hours); MUSY 211 (1 hour)
 MUS 321 or 205 (3 hours);
 Applied Major – MUS 114 AND 115 (4 hours);
 Applied Secondary – MUS 114 AND 115 (2 hours);
 Performance Ensemble – MUS 101-122 (2 hours);
 Recital Hour—MUS 200 (2 semesters).

Bachelor of Music Education: Music Education (Instrumental/Keyboard/Vocal Concentration)

FRESHMAN YEAR		F	S
UNIV 100	Concepts of Success in College	2	
HE 102	Concepts of Health for Teachers		3
EDCI 100	Introduction to Education		3
ENG 104, 105	Composition and Literature	3	3
MATH 111	College Algebra	3	
MUS 101, 102	Marching Band/Sym Wind Ensemble	.5	.5
MUS 111, 112	Music Theory	2	2
MUSY 111, 112	Sight Singing/Ear Training	1	1
MUS 114, 115	Applied Major	2	2
MUS 114, 115	Applied Secondary Piano	1	1
MUS 117	Voice Class		1
MUS 200, 200	Recital Hour	0	0
(Freshman Year Total: 31 Hours)		14.5	16.5

SOPHOMORE YEAR

ENG 205	World Literature	3	
SS 203	Historical and Cultural Fndtns of Ed.		3
HIST 101, 102	History of Civilization	3	3
MUS 121, 122	Performance Ensemble	.5	.5
MUS 200, 200	Recital Hour	0	0
MUS 211, 212	Music Theory	2	2
MUSY 211	Sight Singing/Ear Training	1	
MUS 214, 215	Applied Major	2	2
MUS 214, 215	Applied Secondary Piano	1	1
MUS 221	String Class	1	

MUS 321, 322	Music History	3	3
MUS 338	Woodwind Class		1

(Sophomore Year Total: 32 Hours) 16.5 15.5

SUMMER SESSION

BIO 101	Introduction to Biology		2
BIOL 101	Introduction to Biology Lab		1
MUS 226	Introduction to Music Technology		3
PHIL 301	Introduction to Philosophy		3

(Summer Session Total: 9 Hours) 9

JUNIOR YEAR

SS 301	Teachers and the Law	3	
SPCH 201	Speech Arts		3
MUS 131	Marching Band	.5	
MUS 200, 200	Recital Hour	0	0
MUS 302	Music in the Elementary School	3	
MUS 303	Music in the Secondary School		3
MUS 311	Form and Analysis	3	
MUS 314, 315	Applied Major	2	2
MUS 337	Brasswind Class	1	
MUS 339	Percussion Class		1
MUS 333	Conducting		2
SPED 311	Except Children & Youth in the Schl	3	
COUN 315	Human Development and Learning		3

(Junior Year Total: 29.5 Hours) 15.5 14

SENIOR YEAR

MUS 141	Marching Band	.5	
MUS 200, 200	Recital Hour	0	0
MUS 411	Vocal/Instrumental Arranging	2	
MUS 414	Applied Major/Senior Recital		2
MUS 421	Piano/Choral/Instrumental Methods And Materials	3	
ETEC 367	Intro to Assessment Measurement and Evaluation	3	
RE 455	Diagnostic Reading Instruction in the Secondary School	3	
EDCI 401	Research Theory & Clinical Practice	3	
EDCI 402	Clinical Internship in Student Tchng		12

(Senior Year Total: 28.5 Hours) 14.5 14

TOTAL HOURS: 130

NOTE: Students who have completed two years of a single foreign language in high school with a grade of “C” or better are exempt from the foreign language requirements.

140 \ JACKSON STATE UNIVERSITY

MFL 101, 102 Modern Foreign Language 6

Bachelor of Music Education: Music Education Major (Jazz Emphasis)

FRESHMAN YEAR F S

UNIV 100	University Success	2	
HE 102	Concepts of Health for Teachers		3
EDCI 100	Introduction to Education		3
ENG 104, 105	Composition	3	3
MATH 111	College Algebra	3	
MUS 111, 112	Music Theory	2	2
MUSY111,112	Sight Singing/Ear Training	1	1
MUS 114, 115	Applied Major	2	2
MUS 114, 115	Applied Secondary Piano	1	1
MUS 117	Voice Class	1	
MUS 171, 172	Jazz Ensemble	.5	.5
MUS 200,200	Recital Hour	0	0

(Freshman Year Total: 31 Hours) 15.5 15.5

SOPHOMORE YEAR

ENG 205	World Literature	3	
SS 203	Historical & Cultural Fndtns of Ed.		3
HIST 101,102	History of Civilization	3	3
MUS 200,200	Recital Hour	0	0
MUS 211,212	Music Theory	2	2
MUSY 211	Sight Singing/Ear Training	1	
MUS 214,215	Applied Major	2	2
MUS 217	Jazz History		1
MUS 337	Brasswind Class	1	
MUS 230,231	Jazz/Comm Piano Skills	1	1
MUS 271,272	Jazz Ensemble	.5	.5
MUS 321,322	Music History	3	3

(Sophomore Year Total: 32 Hours) 16.5 15.5

SUMMER SESSION

BIO 101	Introduction to Biology	2	
BIOL 101	Introduction to Biology Lab	1	
MUS 226	Introduction to Music Technology	3	
PHIL 301	Introduction to Philosophy	3	

(Summer Session Total: 9 Hours) 9

JUNIOR YEAR

SS 301	Teacher and the Law	3	
SPCH 201	Speech Arts		3
MUS 200,200	Recital Hour	0	0

MUS 302	Music in the Elementary School	3	
MUS 303	Music in the Secondary School		3
MUS 311	Form and Analysis	3	
MUS 314,315	Applied Major	2	2
MUS 333	Conducting		2
MUS 338	Woodwind Class		1
MUS 339	Percussion Class	1	
MUS 371	Jazz Ensemble	.5	
SPED 311	Except.Childrn & Youth in the Schl	3	
COUN 315	Human Development and Learning		3

(Junior Year Total: 30.5 Hours) 15.5 14

SENIOR YEAR

MUS 200,200	Recital Hour	0	0
MUS 411	Vocal/Instrumental Arranging	2	
MUS 414	Applied Major/Senior Recital	2	
MUS 420	Jazz Pedagogy/Methods & Matls	3	
MUS 471	Jazz Ensemble	.5	
ETEC 367	Intro to Assess Meas and Eval	3	
RE 455	Diagnostic Reading Inst in the Secondary School	3	
EDCI 401	Res Theory and Clinical Practice	3	
EDCI 402	Clinical Intern Student Teaching		12

(Senior Year Total: 28.5 Hours) 14.5 14

TOTAL HOURS: 130

NOTE: Students who have completed two years of a single foreign language in high school with a grade of "C" or better are exempt from the foreign language requirements.

MFL 101, 102 Modern Foreign Language 6

Bachelor of Music: Music Major (Jazz Studies–Instrumental Concentration)

FRESHMAN YEAR F S

UNIV 100	Concepts of Success in College	2	
ENG 104,105	Composition and Literature	3	3
BIO 101	Biological Science or Option		2
BIOL 101	Biological Science Lab or Option		1
MUS 100	Careers in Music	2	
MUS 111,112	Music Theory	2	2
MUSY111,112	Sight Singing/Ear Training	1	1
MUS 114,115	Applied Major (Jazz)	2	2
MUSD114,115	Applied Secondary Piano	1	1
MUS 171,172	Jazz Ensemble	.5	.5
*MUS 190,191	Jazz Combo I	.5	.5
MUS 200,200	Recital Hour	0	0

MUS 226	Introduction to Technology	3	
(Freshman Year Total: 30 Hours)		<u>14</u>	<u>16</u>

SOPHOMORE YEAR

ENG 205	World Literature	3	
MATH 111	College Algebra	3	
SS 201	Social Science or Option		3
MUS 211,212	Music Theory	2	2
MUSY 211	Sight Singing/Ear Training	1	
MUS 214,215	Applied Major (Jazz)	2	2
*MUS 271,272	Vocal Jazz Ensemble	.5	.5
*MUS 290,291	Jazz Combo II	.5	.5
*MUS 230,231	Jazz/Comm Piano Skills	1	1
MUS 321,322	Music History	3	3
MUS 200,200	Recital Hour	0	0
*MUS 217	Jazz History		1
*MUS 292,293	Jazz Improv I, II	2	2
(Sophomore Year Total: 33 Hours)		<u>18</u>	<u>15</u>

JUNIOR YEAR

HE 101	Concepts of Health	3	
SPCH 201	Speech Arts		3
HIST 101,102	History of Civilization	3	3
MUS 333	Conducting		2
MUS 311	Form and Analysis	3	
MUS 314,315	Applied Major (Jazz)	2	2
*MUS 371,372	Jazz Ensemble	.5	.5
*MUS 390,391	Jazz Combo III	.5	.5
*MUS 392,393	Jazz Improv III, IV	2	2
*MUS 313	Jazz Theory		3
MUS 200,200	Recital Hour	0	0
(Junior Year Total: 30 Hours)		<u>14</u>	<u>16</u>

SENIOR YEAR

PHIL 301	Introduction to Philosophy		3
MFL 101,102	Modern Foreign Language	3	3
*MUS 414,415	Applied Major/Senior Recital (Jazz)	3	3
MUS 471,472	Jazz Ensemble	.5	.5
*MUS 490,491	Jazz Combo IV	1	1
MUS 200,200	Recital Hour	0	0
*MUS 440,441	Jazz Composition/Arranging	3	3
MUS 420	Jazz Pedagogy	3	
(Senior Year Total: 27 Hours)		<u>13.5</u>	<u>13.5</u>

TOTAL HOURS: 120

*indicates those classes comprising the concentration in Jazz Studies-Instrumental

Bachelor of Music: Music Major
(Jazz Studies-Vocal Concentration)

FRESHMAN YEAR		F	S
UNIV 100	Concepts of Success in College	2	
ENG 104,105	Composition and Literature	3	3
BIO 101	Biological Science or Option		2
BIOL 101	Biological Science Lab or Option		1
MUS 100	Careers in Music	2	
MUS 111,112	Music Theory	2	2
MUSY 111,112	Sight Singing/Ear Training	1	1
*MUS 114,115	Applied Major (Jazz)	2	2
MUSD 114,115	Applied Secondary Piano	1	1
MUS 171,172	Vocal Jazz Ensemble	.5	.5
*MUS 190,191	Jazz Combo I	.5	.5
MUS 200,200	Recital Hour	0	0
MUS 226	Introduction to Technology		3
*MUS 119	Jazz Vocal Techniques I	1	
*MUS 219	Jazz Vocal Techniques II		1
(Freshman Year Total: 32 Hours)		<u>15</u>	<u>17</u>

SOPHOMORE YEAR

ENG 205	World Literature	3	
MATH 111	College Algebra		3
SS 201	Social Science or Option		3
MUS 211,212	Music Theory	2	2
MUSY 211	Sight Singing/Ear Training	1	
*MUS 214,215	Applied Major (Jazz)	2	2
MUS 271,272	Vocal Jazz Ensemble	.5	.5
*MUS 290,291	Jazz Combo II	.5	.5
*MUS 230,231	Jazz/Comm Piano Skills	1	1
MUS 321,322	Music History	3	3
MUS 200,200	Recital Hour	0	0
MUS 217	Jazz History	1	
*MUS 292,293	Jazz Improv	2	2
(Sophomore Year Total: 33 Hours)		<u>16</u>	<u>17</u>

JUNIOR YEAR

HE 101	Concepts of Health	3	
SPCH 201	Speech Arts		3
HIST 101,102	History of Civilization	3	3
MUS 333	Conducting		2
MUS 311	Form and Analysis	3	
MUS 314,315	Applied Major (Jazz)	2	2
MUS 371,372	Vocal Jazz Ensemble	.5	.5
*MUS 390,391	Jazz Combo III	.5	.5
*MUS 392,393	Jazz Improv III, IV	2	2
*MUS 312	Jazz Theory		3
MUS 200,200	Recital Hour	0	0

142 \ JACKSON STATE UNIVERSITY

(Junior Year Total: 30 Hours) 14 16

SENIOR YEAR

PHIL 301	Introduction to Philosophy		3
MFL 101,102	Modern Foreign Language	3	3
*MUS 414,415	Applied Major/Senior Recital (Jazz)	3	3
*MUS 471,472	Vocal Jazz Ensemble	.5	.5
*MUS 490,491	Jazz Combo IV	1	1
MUS 200,200	Recital Hour	0	0
*MUS 440,441	Jazz Composition/Arranging I, II	3	3
*MUS 420	Jazz Pedagogy	3	
		13.5	13.5

(Senior Year Total: 27 Hours)

TOTAL HOURS: 122

*indicates those classes comprising the concentration in Jazz Studies–Vocal

Bachelor of Music: Music Major (Instrumental Performance Concentration)

FRESHMAN YEAR		F	S
UNIV 100	University Success	2	
ENG 104,105	Composition and Literature	3	3
BIOL 101	Biological Science or Option		3
MUS 100	Careers in Music		2
MUS 101,102	Performance Ensemble	.5	.5
*MUS 101,102	2 nd Performance Ensemble	.5	.5
MUS 111,112	Music Theory	2	2
MUSY111,112	Sight Singing/Ear Training	1	1
MUSD114,115	Applied Secondary Piano	1	1
*MUS 124,125	Applied Instrument (ex: trumpet, clarinet, etc.)	3	3
MUS 200,200	Recital Hour	0	0
		13	16

(Freshman Year Total: 29 Hours)

SOPHOMORE YEAR

ENG 205	World Literature	3	
MATH 111	College Algebra	3	
SS 201	Social Science or Option		3
MUS 121,122	Performance Ensemble	.5	.5
*MUS 121,122	2 nd Performance Ensemble	.5	.5
MUS 200,200	Recital Hour	0	0
MUS 211,212	Music Theory	2	2
MUSY 211	Sight Singing/Ear Training	1	
*MUSD214,215	Applied Secondary Piano	1	1
*MUS 224,225	Applied Instrument (ex: trumpet, clarinet, etc.)	3	3
MUS 226	Intro to Music Technology		3

MUS 321,322 Music History 3 3

(Sophomore Year Total: 33 Hours) 17 16

JUNIOR YEAR

HE 101	Concepts of Health	3	
SPCH 201	Speech Arts		3
HIST 101,102	History of Civilization	3	3
MUS 131,132	Performance Ensemble	.5	.5
*MUS 131,132	2 nd Performance Ensemble	.5	.5
MUS 200,200	Recital Hour	0	0
MUS 210	Jazz Improvisation	2	
MUS 311	Form and Analysis	3	
MUS 312	Counterpoint		3
MUS 333	Conducting		2
*MUS 324,325	Applied Instrument (ex: trumpet, clarinet, etc.)	3	3

(Junior Year Total: 30 Hours) 15 15

SENIOR YEAR

PHIL 301	Introduction to Philosophy		3
MFL 101,102	Modern Foreign Language	3	3
MUS 141,142	Performance Ensemble	.5	.5
*MUS 141,142	2 nd Performance Ensemble	.5	.5
MUS 200,200	Recital Hour	0	0
MUS 319	Chamber Music	3	
*MUS 407	Instrumental Pedagogy		3
MUS 431	Symphonic Literature	3	
*MUS 424,428	Applied Instrument/Senior Recital	3	3
*MUS 427	Music Seminar	3	

(Senior Year Total: 29 Hours) 16 13

TOTAL HOURS: 120

*indicates those classes comprising the concentration in Instrumental Performance

Bachelor of Music: Music Major (Music Technology Concentration)

FRESHMAN YEAR		F	S
UNIV 100	Concepts of Success in College	2	
ENG 104,105	Composition and Literature	3	3
HIST 101,102	History of Civilization	3	3
MUS 100	Careers in Music	2	
MUS 101,102	Performance Ensemble	.5	.5
MUS 111,112	Music Theory	2	2

ACADEMIC PROGRAMS / 143

MUSY111,112	Sight Singing/Ear Training	1	1
MUSD114,115	Applied Secondary Piano	1	1
*MUS 114,115	Applied Major	2	2
MUS 200,200	Recital Hour	0	0
*MUS 226	Introduction to Technology		3
(Freshman Year Total: 32 Hours)		<u>16.5</u>	<u>15.5</u>

SOPHOMORE YEAR

ENG 205	World Literature		3
MUS 121,122	Performance Ensemble	.5	.5
MUS 200,200	Recital Hour	0	0
MUS 211,212	Music Theory	2	2
MUSY 211	Sight Singing/Ear Training	1	
MUSD214,215	Applied Secondary Piano	1	1
*MUS 214,215	Applied Major	2	2
*MUS 280	MIDI Basics	3	
*MUS 281	Introduction to Music Sequencing	3	
*MUS 282	Introduction to Music Notation		3
MUS 321,322	Music History	3	3
(Sophomore Year Total: 30 Hours)		<u>15.5</u>	<u>14.5</u>

JUNIOR YEAR

HE 101	Concepts of Health	3	
SPCH 201	Speech Arts		3
BIO 101	Introduction to Biology &		
BIOL 101	Intro to Biology Lab or Option	3	
MATH 111	College Algebra		3
MFL 101,102	Modern Foreign Language	3	3
MUS 131,132	Performance Ensemble	.5	.5
MUS 200,200	Recital Hour	0	0
MUS 311	Form and Analysis	3	
*MUS 381	Advanced Music Sequencing	3	
*MUS 382	Advanced Music Notation		3
*MUS 383	Digital Audio and Video		3
(Junior Year Total: 31 Hours)		<u>15.5</u>	<u>15.5</u>

SENIOR YEAR

PHIL 301	Introduction to Philosophy		3
SS 201	Social Science or Option	3	
MUS 141,142	Performance Ensemble	.5	.5
MUS 200,200	Recital Hour	0	0
*MUS 480	Introduction to Digital Media	3	
*MUS 481	Computer Applicatns in Music Ind.	3	
*MUS 482	Studio Recording Techniques	3	
*MUS 483	Digital Senior Recital	3	
*MUS 484	Music Technology Internship		12
(Senior Year Total: 31 Hours)		<u>15.5</u>	<u>15.5</u>

TOTAL HOURS: 124

*indicates those classes comprising the concentration in Music Technology

**Bachelor of Music: Music Major
(Piano Performance Concentration)**

FRESHMAN YEAR		F	S
UNIV 100	University Success	2	
ENG 104,105	Composition and Literature	3	3
BIO 101, 101L	Biological Science or Option		3
MATH 111	College Algebra	3	
MUS 100	Careers in Music		2
*MUS 101,102	Performance Ensemble	.5	.5
MUS 111,112	Music Theory	2	2
MUSY111,112	Sight Singing/Ear Training	1	1
*MUS 124, 125	Applied Major	3	3
MUS 200,200	Recital Hour	0	0
(Freshman Year Total: 29 Hours)		<u>14.5</u>	<u>14.5</u>

SOPHOMORE YEAR

ENG 205	World Literature	3	
HE 101	Concepts of Health	3	
*MUS 121,122	Performance Ensemble	.5	.5
MUS 200,200	Recital Hour	0	0
*MUS 207	Keyboard Skills		3
MUS 211, 212	Music Theory	2	2
MUSY 211	Sight Singing/Ear Training	1	
*MUS 224,225	Applied Major	3	3
MUS 226	Intro to Music Technology		3
MUS 321,322	Music History	3	3
(Sophomore Year Total: 30 Hours)		<u>15.5</u>	<u>14.5</u>

JUNIOR YEAR

SS 201	Social Science or Option	3	
SPCH 201	Speech Arts		3
HIST 101,102	History of Civilization	3	3
*MUS 131,132	Performance Ensemble	.5	.5
MUS 200,200	Recital Hour	0	0
MUS 311	Form and Analysis	3	
MUS 312	Counterpoint		3
MUS 319	Chamber Music	3	
*MUS 324,325	Applied Major	3	3
MUS 333	Conducting	2	
(Junior Year Total: 30 Hours)		<u>15.5</u>	<u>14.5</u>

144 \ JACKSON STATE UNIVERSITY

SENIOR YEAR

PHIL 301	Introduction to Philosophy		3
MFL 101,102	Modern Foreign Language	3	3
*MUS 141,142	Performance Ensemble	.5	.5
MUS 200,200	Recital Hour	0	0
*MUS 408,409	Keyboard Pedagogy	3	3
*MUS 424,428	Applied Major/Senior Recital	3	3
MUS 427	Music Seminar	3	
*MUS 432,434	Keyboard Literature	3	3

(Senior Year Total: 31 Hours) 15.5 15.5

TOTAL HOURS: 120

*indicates those classes comprising the concentration in Piano Performance

Bachelor of Music: Music Major (Vocal Performance Concentration)

FRESHMAN YEAR

		F	S
UNIV 100	University Success	2	
ENG 104,105	Composition and Literature	3	3
BIOL 101	Biological Science or Option		3
MUS 100	Careers in Music		2
MUS 101,102	Performance Ensemble	.5	.5
*MUSG101,102	2 nd Performance Ensemble	.5	.5
MUS 111,112	Music Theory	2	2
MUSY111,112	Sight Singing/Ear Training	1	1
MUSD114,115	Applied Secondary Piano	1	1
*MUS 124,125	Applied Voice	3	3
MUS 200,200	Recital Hour	0	0

(Freshman Year Total: 29 Hours) 13 16

SOPHOMORE YEAR

ENG 205	World Literature	3	
MATH 111	College Algebra	3	
MUS 121,122	Performance Ensemble	.5	.5
*MUSG121,122	2 nd Performance Ensemble	.5	.5
MUS 200,200	Recital Hour	0	0
*MUS 208	Diction for Singers		3
MUS 211,212	Music Theory	2	2
MUSY 211	Sight Singing/Ear Training	1	
MUS 214,215	Applied Secondary Piano	1	1
*MUS 224,225	Applied Major	3	3
MUS 226	Introduction to Music Technology		3
MUS 321,322	Music History	3	3

(Sophomore Year Total: 33 Hours)

17 16

JUNIOR YEAR

HE 101	Concepts to Health	3	
SPCH 201	Speech Arts		3
HIST 101,102	History of Civilization	3	3
MUS 131,132	Performance Ensemble	.5	.5
*MUSG131,132	2 nd Performance Ensemble	.5	.5
MUS 200,200	Recital Hour	0	0
MUS 311	Form and Analysis	3	
MUS 312	Counterpoint		3
MUS 333	Conducting		2
*MUS 324,325	Applied Voice	3	3

(Junior Year Total: 29 Hours)

13 15

SENIOR YEAR

PHIL 301	Introduction to Philosophy		3
SS 201	Social Science or Option		3
MFL 101,102	Modern Foreign Language	3	3
MUS 141,142	Performance Ensemble	.5	.5
MUS 200,200	Recital Hour	0	0
MUS 319	Chamber Music	3	
*MUS 424,428	Applied Voice/Senior Recital	3	3
*MUS 426	Voice Pedagogy	3	
*MUS 433	Song Literature	3	
*MUS 435	Song Literature II		3

(Senior Year Total: 31 Hours) 15.5 15.5

TOTAL HOURS: 121

*indicates those classes comprising the concentration in Vocal Performance

DEPARTMENT OF POLITICAL SCIENCE

Dr. B. Andra Orey, Professor and Chair

OFFICE: Dollye M. E. Robinson Building, Room #317

FACULTY: Professor A. Mack; Associate Professor M. Deardorff, E. Nwagboso; Assistant Professors H. Lae Park; Instructor L. Jefferson

GOALS OF THE DEPARTMENT

Students enrolled in the Department shall:

- develop a substantive body of knowledge about the history and evolution of the discipline, including its various approaches and methodologies.
- select an area of concentration from the following emphases: Legal Studies, International Relations, American Politics, Institutions, and Black Politics.
- acquire the capacity to gather and analyze primary and secondary data on politics in domestic and international contexts and to critique extant studies as a way to develop creative research designs which shall lead to the defense of the senior thesis.
- participate in service-learning activities (local, national, and international) that permit access to early job placements and an appreciation for the practice of citizenship.

OUTCOME MEASURES

Competency based exams will be given to matriculants beginning the second year of course work. Core areas of competence include: Institutions (Congress, Parties, Judiciary, Presidency), International Relations, American Political Theory, and Public Law.

A reading list, containing required readings in the discipline, will be given to all entering students. At various intervals all majors will be tested for their comprehension and analytical skills.

Students' research and quantitative skills will be evaluated beginning the first semester of the senior year. Performance will be measured by examining the appropriateness of research design, including sampling techniques, quantitative relevance and overall fit between literature reviews, hypotheses and statistical design. A panel of political scientists will judge the merit of these designs.

Students are expected to read papers and compete in symposia at state, regional and national conferences, take and satisfactorily pass at least two (2) exit exams, including the GRE, LSAT, FSEE, and a written/oral language examination.

Students are expected to gain acceptance to and successfully complete summer research institutes sponsored by universities and comparable governmental sponsored research internships.

The Department of Political Science offers the Bachelor of Arts Degree in Political Science.

Requirements for a Minor:

Political Science (PS 134, 135, 136) and nine (9) additional hours may be distributed according to the students desires or in consultation with their major advisor.

AREAS OF CONCENTRATION

Legal Studies:

Concentration Courses: PS 236, 238, 320, 342, 343, 347, 423, 432, 450, 473, and 484.

Area Studies:

Concentration Courses: PS 238, 350, 352, 362, 374, 390, 413, and 429.

International Studies:

Concentration Courses: PS 236, 342, 343, 353, 375, 390, 428, and 437.

American Politics:

Concentration Courses: PS 238, 337, 342, 343, 50, 450, and 473.

Bachelor of Arts: Political Science Major (Basic Curriculum)

FRESHMAN YEAR		F	S
UNIV 100	University Success	2	
PE xxx	100-Level Activity Sport	1	1
HIST 101,102	History of Civilization	3	3
ENG 104,105	Composition	3	3
MATH 111	College Algebra	3	
BIO 101	Introduction to Biology		2
BIOL 101	Introduction to Biology Lab		1
SP 101,102	Elementary Spanish	3	3
PS 134	Introduction of Political Science	3	
PS 135	American Government		3
(Freshman Year Total: 34 Hours)		18	16

SOPHOMORE YEAR

ENG 205,			
206-222	World Literature, Options	3	3
ENG 201H	Humanities Options	3	3
PS 136	State & Local Government	3	
HIST 201/202	United States History		3
GEOG 105	Introduction to Cultural Geography	3	
PSY 201	General Psychology		3

146 \ JACKSON STATE UNIVERSITY

PS 351	American Presidency	3	
PS 350	American Political Parties	3	
CSC 115	Digital Computer Principles	3	

(Sophomore Year Total: 33 Hours)	15	18
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JUNIOR YEAR

ECO 211,212	Principles of Economics	3	3
SOC xxx	Sociology Elective	3	
PS 236	Political Statistics		3
PS 341W	Blacks & American Political System		3
PS 238	Introduction to Comparative Politics	3	
SPCH 201	Speech Arts	3	
SCI 201,			
SCIL 201	Physical Science and Lab		3
PS xxx	Political Science Elective	3	
Electives	Free Electives Options	3	3

(Junior Year Total: 33 Hours)	18	15
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SENIOR YEAR

PS 446W	Scope and Methods	3	
PS 447W	Senior Research Seminar		3
PS xxx	Political Science Electives		6
PS 347	Judicial Process	3	
PS 473	American Legislative Process		3
PS 450	Urban Politics	3	
PHIL 416	Logic	3	

(Senior Year Total: 24 Hours)	12	12
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TOTAL HOURS: 124

DEPARTMENT OF PSYCHOLOGY

Dr. Arthur Whaley, Associate Professor and Chair
OFFICE: Dollye M. E. Robinson Building

FACULTY: Associate Professors P. Banks, R. Nevels, D. Pate, K. Sly; Assistant Professors R. Chiles, G. Chong, K. Hudson, G. Jones-Wiley, D. McLin, C. Moreland, B. Williams; Visiting Assistant Professor T. Bell

OBJECTIVES

The objectives of the Department of Psychology are as follows:

Students enrolled in the program shall:

- develop an understanding of the field of psychology and its scientific nature by studying its history, methodology, and contents;
 - acquire the capacity to critically evaluate new developments within the field;
 - be qualified to enter the job market and/or to successfully pursue graduate study.
- Departmental faculty shall:
- function as effective teachers by providing carefully prepared lectures, assignments, and examinations;
 - function as effective role models by maintaining high standards of professional and personal conduct;
 - contribute to the advancement of knowledge by conducting meaningful research and publishing the results;
 - be actively engaged in service to the University and the community.

Curriculum and Degree Requirements

The curriculum is designed to prepare students for (1) advance study in psychology, (2) careers in behavioral sciences, education, mental health, and social work, or (3) teaching psychology in high schools. To assist in fostering exceptional students for a rather challenging and demanding career, students must meet the following criteria:

1. Possess a minimum GPA of 2.50 to transfer into the Psychology Department;
2. Maintain a minimum GPA of 2.50 in psychology courses for graduation;
3. Adhere to the curriculum sequence;
4. Earn at least a "C" in PSY 111 prior to enrolling in PSY 112;
5. Earn at least a "C" in PSY 112 prior to enrolling in PSY 214,
6. Earn at least a "C" in PSY 214 prior to enrolling in advanced courses, and;
7. Create and maintain a psychology portfolio.

If a student's academic performance is below the required GPA of 2.50, he/she will be placed on academic probation for one year and must commit to tutorial services offered within the Psychology Department and a monthly meeting with a designated advisor.

Additionally, the student will agree to register for only 12 hours per semester, unless special permission is granted by the

Director of Undergraduate Studies or the Department Chairperson.

During the senior year psychology majors will take a departmental comprehensive examination and the Graduate Record Examinations (GRE) general or subject tests. Scores on these tests will assist in evaluating the success of the program.

The Department of Psychology offers the Bachelor of Science Degree.

Bachelor of Science: Psychology Major

FRESHMAN YEAR		F	S
UNIV 100	University Success	2	
HE 101	Concepts of Health		3
BIO 111	General Biology	3	
BIOL 111	General Biology Lab	1	
BIO 112	General Biology		3
BIOL 112	General Biology Lab		1
MATH 111	College Algebra	3	
ENG 104,105	Composition	3	3
HIST 101,102	History of Civilization	3	3
PSY 111, 112	Introduction to Psychology	3	3
(Freshman Year Total: 34 Hours)		18	16

SOPHOMORE YEAR

PSY 211,212	Statistics I and II	3	3
PSY 214	Developmental Psychology	3	
ENG 205	World Literature	3	
ENG xxx	English Option		3
SCI 201,			
SCIL 201	Physical Science and Lab	3	
SS 201	Social Science Option		3
SPCH 201	Speech Option		3
ENG xxx	200-Level Humanities Options	3	3
FR 101,102	Foreign Language Options	3	3
(Sophomore Year Total: 36 Hours)		18	18

JUNIOR YEAR

PSY 216	Abnormal Psychology	3	
PSY 310W	Personality		3
PSY 314W	Social Psychology		3
PSY 315	Physiological Psychology	3	
CSC 115	Digital Computer Principles		3
PHIL 301	Introduction to Philosophy/Option	3	
PSY xxx	Psychology Elective		3
Elective	Non-Psychology Electives	3	3
(Junior Year Total: 27 Hours)		12	15

SENIOR YEAR

PSY 411	Learning	3	
PSY 415C	Experimental Psychology		4
PSY xxx	Psychology Elective	3	
Elective	Non-Psychology Electives	8	9
(Senior Year Total: 27 Hours)		14	13

TOTAL HOURS: 124

Psychology Elective Course Options

Only the following courses may be used to satisfy the Psychology Elective requirement:

PSY 306	Educational Psychology	3 hrs
PSY 307	Measurement and Evaluation	3 hrs
PSY 312	Psychology of Adjustment	3 hrs
PSY 320	Behavior Modification	3 hrs
PSY 416	History and Systems	3 hrs
PSY 418	Seminar (offering varies)	3 hrs
PSY 498	Readings, Research, and Independent Study	3 hrs

DEPARTMENT OF SPEECH COMMUNICATION AND THEATRE

Dr. Mark Henderson, Assistant Professor and Interim Chair

OFFICE: Rose Embly McCoy Auditorium

FACULTY: Associate Professors P. Murrain, J. Neal-Vincent; Assistant Professors M. Henderson, Y. Myles; Instructors N. Bodie, C. Brown, R. Scott

OBJECTIVES

The objectives for the Department of Speech Communication Theatre are:

1. To provide comprehensive training in communicative arts theatre production, and science.
2. To develop comprehensive aesthetic awareness and interaction among students, faculty, and community.
3. To present forensic activities.
4. To offer practical communicative experiences through laboratory activities, problem solving exercises, internships, and independent study.

5. To enhance performance skills through theatre productions.

OUTCOME MEASURES

Internships: (Speech/Communication Studies)

GRE: (Required for all majors)

English Proficiency Examination: (Required for all majors)

Senior Directing Project: (Required for all Theatre Arts Majors)

Senior Internship (Required for all Speech Communications majors)

The Department of Speech Communication and Theatre offers the Bachelor of Science and the Bachelor of Arts Degrees.

Departmental Grade Policy

Students must earn a minimum grade of “C” in all major courses.

Requirements for a Minor in Speech Communication:

Speech Communication: A minimum of 21 semester hours

SPCH 214, 215, 216, 217 – 12 hours

DR 201, 202, or 421 – 3 hours

Electives – 6 hours

Theatre: A minimum of 21 semester hours

DR 201, 202, 204, 205 – 9 hours

DR 310, 311, 313, 318, 421 – 6 hours

Electives – 6 hours

Bachelor of Arts: Speech Major (Speech Communication Studies Concentration)

FRESHMAN YEAR		F	S
UNIV 100	University Success		2
PE xxx	100-Level Activity Sport		1
HIST 101,102	History of Civilization	3	3
ENG 104,105	Composition I & II	3	3
MATH 111	College Algebra	3	
BIO 101	Introduction to Biology	2	
BIOL 101	Introduction to Biology Lab	1	
PSY 201	Psychology	3	
SPCH 214	Interpersonal Communication	3	
SPCH 215	Training Speaking Voice		3
HE 101	Concepts of Health		3

(Freshman Year Total: 33 Hours)

18 15

SOPHOMORE YEAR

FLG 101,102	Modern Foreign Languages	3	3
ENG 205	World Literature	3	
SPCH 216	Public Speaking	3	
SPCH 217	Oral Interpretation		3
SPCH 218	Listening		3
ENG 206-228	English Options	3	
MUS 205 or	Music Appreciation		
ART 206	or Art Appreciation		3
DR 201	Introduction to Theatre	3	
DR 313	Survey of Black Drama		3
SS xxx	Social Science Option		3
CSC 115	Digital Computer Principles	3	

(Sophomore Year Total: 36 Hours)

18 18

JUNIOR YEAR

SPCH 300	Organizational Communication		3
SPCH 335	Persuasion	3	
SPCH 337	Analysis Communication	3	
SPCH 339	Intercultural Communication		3
PSY 211	Statistics I	3	
Elective	Non-Speech Courses (Minor Area)	6	6

(Junior Year Total: 27 Hours)

15 12

SENIOR YEAR

SPCH 416	Rhetorical Criticism	3	
SPCH 496	History & Devlpmnt of Black Protest		3
SPCH 497 or	Communication Project or		
SPCH 498	Internship		6
SPCH 499	Seminar in Communication	3	
Electives	Non-Speech Courses (Minor Area)	6	6

(Senior Year Total: 27 Hours)

12 15

TOTAL HOURS: 123

Bachelor of Science: Speech Major (Theatre Concentration)

FRESHMAN YEAR		F	S
UNIV 100	University Success	2	
HIST 101,102	History of Civilization	3	3
ENG 104,105	Composition I & II	3	3
MATH 111	College Algebra	3	
BIO 101	Introduction to Biology		2
BIOL 101	Introduction to Biology Lab		1

PE 113	Beginning Modern Dance	1	
DR 101,102	Production Lab	1	1
DR 201	Introduction to Theatre	3	
DR 202	Fundamentals of Acting		3
PE 208	Modern Dance Technique		1
SPCH 215	Training the Speaking Voice		3
(Freshman Year Total: 33 Hours)		16	17

SOPHOMORE YEAR

DR 103,104	Production Lab	1	1
SS xxx	Social Science Option	3	
DR 414	Stage Lighting Design		3
MUS 205 or ART 206	Music Appreciation or Art Appreciation	3	
CSC 115C	Digital Computer Principles	3	
FLG 101,102	Modern Foreign Languages	3	3
ENG 205	World Literature		3
SCI 201, SCIL 201	Physical Science and Lab		3
ENG 206-228	English Option	3	
PHIL 301	Introduction to Philosophy		3
HE 101	Concepts of Health	3	
(Sophomore Year Total: 35 Hours)		19	16

JUNIOR YEAR

DR 105,106	Production Lab	1	1
SPCH 216	Public Speaking		3
DR 204, DRL 204	Introduction Tech. Theater & Lab	4	
DR 310,311	Development of Drama	3	3
DR 313	Survey of Black Drama		3
DR 416	Costuming and Make-up		3
DR 205	Advanced Acting	3	
Elective	Non-Drama Elective	3	
(Junior Year Total: 27 Hours)		14	13

SENIOR YEAR

DR 314,306	Drama Elective	3	
DR 410	Theories & Techniques of Directing	3	
DR 413/414	Drama Elective		3
DR 421/422	Creative Drama/Child Theater		3
DR 425	Play Production		6
SPCH 499	Seminar in Communication	3	
Electives	Non-Drama Electives	3	3
(Senior Year Total: 27 hours)		12	15

TOTAL HOURS: 122

INTERDISCIPLINARY ALCOHOL DRUG STUDIES CENTER

Mr. Raymond Richmond, Director
OFFICE: Alcohol Drug Studies Center

The Department of Criminal Justice and Sociology offers the Master of Arts Degree in Sociology with specialty emphasis in Alcohol/Drug Studies; and the Department of Health, Physical Education and Recreation offers the Master of Science Education with emphasis in Alcohol/Drug Studies. The programs provide sub-specialization in counseling, program planning and management, and public information. The Interdisciplinary course of study is designed to provide students with theoretical knowledge and practical skills in the alcohol/drug area, as well as a conceptual framework for development of a holistic approach toward their role in the human service profession.

MARGARET WALKER ALEXANDER NATIONAL RESEARCH CENTER

Dr. Robert Luckett, Director
OFFICE: Ayer Hall, Fourth Floor

The Alexander National Research Center serves the University, local, state, and national communities by encouraging the study of the history, life and culture of African Americans through archival records, material artifacts and the historic buildings environment. It initiates public programs; research projects; and oral/archival record collection, interpretation and preservation to expand the research resources on the 20th century African American.





COLLEGE OF LIFELONG LEARNING

Dr. Johnnie Mills-Jones, Dean

Mrs. Gloria Stamps-Smith, Assistant to the Dean

OFFICE: E.E. Thrash Universities Center, Suite 4-8

DEPARTMENTS, PROGRAMS, AND CENTERS:

**ADMISSIONS AND STUDENT SERVICES
CENTER FOR ADULT & CONTINUING EDUCATION
CONTINUING EDUCATION LEARNING CENTER
GLOBAL TRAINING PROGRAM
INSTITUTE FOR EDUCATIONAL RENEWAL
METROPOLITAN CLASSROOM SITES
RESEARCH AND DEVELOPMENT PROGRAM
SCHOOL OF GENERAL & CONTINUING STUDIES**

The College of Lifelong Learning is a portal of entry into Jackson State University for adult learners who wish to begin, continue, complete, or enhance their professional and personal development on a part-time or full-time basis. The College of Lifelong Learning is physically located within the complex of the Education and Research Center of Mississippi, 3825 Ridgewood Road, Jackson, Mississippi 39211.

MISSION

The mission of the College of Lifelong Learning is to provide adult students quality learning opportunities for professional and personal development throughout their lifetime. The College's mission meets the urban and comprehensive education goals of the University. The College of Lifelong Learning addresses problems created by the alarming statistics

of Mississippi's school "dropouts" and retirement "stop outs," worker layoffs, industry demands for skilled labor, and a shrinking economy.

GOALS

The goals of the College of Lifelong Learning are to:

1. Provide world class education for adults, 25 years-of-age and older, who desire to prepare themselves for handling personal and professional challenges throughout their lifetime.
2. Build and maintain students' high quality academic performance and scholarship by emphasizing quality academics, professionalism, high accreditation standards, and the acquisition of relevant knowledge and resources.
3. Increase the accessibility of adult learners to higher education and training.
4. Respond to the global demands for a quality workforce using a rigorous curriculum that is aligned with student educational needs and professional standards.
5. Promote and sustain quality teaching and learning through scholarship, service learning projects, and research by utilizing high quality, diverse faculty for adult learners in a supportive, adult-friendly environment.

6. Ensure that the College remains dynamic and responsive to the changing needs, policies, and technologies of adult education.

A primary purpose of the College is to meet the needs of the present day workforce and adult learners across the state, region, nation, and world. The College allows participants to work with academic advisors to customize studies that meet their personal and professional needs, while taking into consideration their myriad family-life and employment responsibilities.

OBJECTIVES OF THE COLLEGE

The objectives of the College of Lifelong Learning are to:

1. Implement an aggressive recruitment agenda for academic and non-academic credit activities.
2. Support academic units across campus by recruiting high quality students and offering classes in non-traditional locations.
3. Provide training products and services that meet the static and dynamic needs of individual schools, government, business and industry, and faith-based organizations.
4. Implement a comprehensive distance learning program that extends the College accessibility to distant populations of adult learners.
5. Provide comprehensive student support services including mentoring, tutoring, advisement and counseling that result in high quality academic performance of students.
6. Prepare students for conducting, interpreting, and applying research to solve local, national, and global problems.
7. Implement a rigorous curriculum using best practice instructional strategies and alignment with the current market demands of the workforce.
8. Attract and obtain high quality faculty who consistently engages in scholarly activities.
9. Provide opportunities for students to complete a minimum of 120 service learning project hours, in rural and urban communities, consistent with the mission of the University.

MAJOR UNITS OF THE COLLEGE

The College of Lifelong Learning sponsors programs and services for academic and non-academic credit through two major units: The School for General and Continuing Studies (academic credit) and the Center for Adult and Continuing Education (non-academic credit). These two units are described below:

SCHOOL OF GENERAL AND CONTINUING STUDIES

The mission of the School for General and Continuing Studies is to offer innovative and high quality educational opportunities in response to the diverse and changing workforce needs in the state of Mississippi, nation, and world. To accomplish this mission, the School has established relationships with other academic units at the University, public school districts, local non-profit educational agencies, community colleges, and faith-based organizations to offer academic credit classes: (a) for the completion of degree and certificate programs; (b) in designated classrooms identified as Metro Classroom Sites; (c) using technology-based delivery systems; (d) in the evenings and on the weekends; and (e) at convenient times that does not conflict with professional and personal obligations. The College has an outstanding and diverse faculty with terminal degrees who engage in scholarly activities in lifelong learning.

The School of General and Continuing Studies offers course work for academic credit in partnership with all Jackson State University units, community colleges across Mississippi, other educational institutions and Metropolitan Classroom Sites. The School coordinates and provides academic support services to meet these special needs of adult learners: (a) academic classes at traditional and non-traditional hours; (b) classes within the students' communities to help them maintain a balance among work, family and school; (c) a variety of course delivery modes including online, off campus, weekend classes, satellite, and interactive video transmission; (d) enhancement of knowledge and skills; (e) courses to address career and life changes; and (f) counseling and advisement services.

CENTER FOR ADULT AND CONTINUING EDUCATION

The Center for Adult and Continuing Education offers non-academic credit courses for professional and personal development. The Center sponsors workshops, seminars, institutes, and conferences. These activities may be offered on-site at the business or agency, Universities Center, or online through innovative technologies and research-based strategies. Additionally, training activities may be offered at the Metro Classroom Sites to permit participants to receive needed on-site

152 \ JACKSON STATE UNIVERSITY

training; thus, removing the barrier of distance to make training cost-effective for the contracted agency.

The Center for Adult and Continuing Education awards non-academic credit in the form of Continuing Education Units (CEUs), Certificates of Completion, and Certificates of Attendance. In collaboration with other units and agencies, the Center offers Social Work Units to licensed social workers, School Executive Management Institute (SEMI) credit to school administrators, and other Continuing Education Units.

The Center partners with a variety of agencies and organizations to deliver professional development training. Professional development is delivered to the members of the workforce through research-based strategies and innovative technologies. Participants of the Center include teachers, administrators, counselors, parent/teacher organization members, childcare administrators, pre-service educators, students, local, state, and government employees, entrepreneurs, and paraprofessionals. Consultants are hired from local educational agencies, business, government, industry, and institutions of higher learning.

CONTINUING EDUCATION LEARNING CENTER

The Continuing Education Learning Center (CELC) consists of the following programs: (a) General Education Development (GED) and Basic Skills Training; (b) Parenting Skills; and (c) English as a Second Language (ESL). The Learning Center provides self-paced, individualized, computer-based instruction on an on-going basis. Students can choose from a wealth of subjects including intermediate reading, GED preparation, pre-employment skills, parenting classes, job centered ethics, computer skills, ESL classes and various enrichment workshops conducted by community leaders. The Learning Center collaborates with various non-profit agencies and city, state, and federal programs.

Jackson State University continues to have both urban and traditional missions. The CELC is central to the urban thrust of the University. It is one of three critical strategies used by the College of Lifelong Learning to help Jackson State University address its urban responsibilities. The CELC along with the Colleges' academic and non-credit units act in concert to provide substantive development programs for e-City and other community development projects in literacy, workforce, and health.

INSTITUTE FOR EDUCATIONAL RENEWAL (INFER)

The Institute for Educational Renewal (INFER) is an academic support unit designed to provide university support to public schools as they endeavor to meet the needs of all learners –prenatal through adulthood – and their families.

INFER's interdisciplinary, multifaceted program is dedicated to

focusing its attention on outreach, collaboration, and staff development for school and daycare personnel; mentoring, and technical assistance to schools; and sharing diverse learning to communities around the world. INFER enlists federal, state, and private funding sources to assist in achieving its goals.

INFER is the home of the Southwest Mississippi Education Consortium (SMEC) and Service Center. SMEC is one of five regional education service centers in Mississippi and serves 24 school districts across more than 18 counties.

SUPPORTING COLLEGE ACTIVITIES

Metro Classroom Sites are designated classrooms located in public school districts, local non-profit educational agencies, community colleges, and faith-based organizations. Metro Classroom Sites enable the College of Lifelong Learning to further accomplish the outreach mission for the University. Most of these classrooms have electronic capabilities to receive instruction via the Mississippi Interactive Video Network. These Sites provide a wide-range of services and information related to admissions, financial aid, degree completion, graduate studies, continuing education courses, and printed materials on academic programs, services, and cultural events.

Metropolitan Classroom Sites, technology-based professional development, research, and adult student services are all activities for accomplishing the mission of the College of Lifelong Learning. These unique college thrusts are designed to meet the needs of adult learners with emphasis on relevance, convenience, and accessibility. By taking classes close to home, during evenings and on weekends, busy adults can find the time they need to maintain their current lifestyle while professionally developing themselves to meet the challenges of the world today.

The Student Support Services Unit provides admissions, transcript evaluation, academic and financial aid counseling and advisement, registration assistance, mentoring, tutoring, and other student support services for students pursuing both academic and non-academic credit coursework and training activities. These services are offered weekdays and weekends at selected hours. The services are provided on-site, in the student's communities, and at the Universities Center location. Additionally, the College of Lifelong Learning works in concert with the Division of Student Life to coordinate student involvement in the community through volunteerism or service learning opportunities that engage students in service at various community-based sites.

DEGREE PROGRAM

The College of Lifelong Learning awards the **Bachelor of Science in Professional Interdisciplinary Studies (PRIS)**. The degree program is housed in the School of General and Continuing Education. The primary mission of the degree program is to meet the career and personal educational needs of adult learners while increasing the present day workforce across the state, region, nation, and world. Emphasis is given to ensure that majors in PRIS work to develop themselves socially, psychologically, and intellectually. This program is directed by the Dean of the College who is assisted by the Director of Special Academic Credit Programs.

Program Description

The Bachelor of Science Degree in Professional Interdisciplinary Studies (PRIS) degree program is cohort-based, flexible, and for mature adults who seek a nontraditional method for obtaining a bachelor's degree. The curriculum has rigor, coherence, and logical progressions and is aligned with current and anticipated market demands of students and the workforce. PRIS allows students to tailor coursework to meet their personal and professional needs. Specific program benefits include the opportunity for students to (a) achieve their educational and personal goals; (b) expand their knowledge base by completing a comprehensive, individually-paced plan of study; and (c) offering access to college studies as they balance their family life and employment while working toward achieving their long-term career goals.

The degree program enables students to choose two study options: (a) General Interdisciplinary Studies and (b) Professional Interdisciplinary Studies with an emphasis in one of two professional concentrations. The concentrations are Commercial Recreation and Resorts and Faith-Based Leadership. PRIS majors must complete 122-124 semester hours to earn the degree. Students are required to complete 48 semester hours of general education classes, 14 semester hours in the professional core, 27 semester hours in the interdisciplinary concentration, 27 semester hours in the professional concentration, and 6-8 semester hours of internship and research.

Program Description

The Bachelor of Science Degree in Professional Interdisciplinary Studies (PRIS) degree program is cohort-based, flexible, and for mature adults who seek a nontraditional method for obtaining a bachelor's degree. The curriculum has rigor, coherence, and logical progressions and is aligned with current and anticipated market demands of students and the workforce. PRIS allows students to tailor coursework to meet their personal and professional needs. Specific program benefits include the opportunity for students to (a) achieve their

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Program Objectives

The educational objectives of the Bachelor of Science in Professional Interdisciplinary Studies Degree Program are to:

1. Prepare adult learners for leadership positions in business, education, government, community, and professional organizations.
2. Ensure that adult learners acquire interdisciplinary knowledge and skills necessary to perform as successful professionals in their respective fields of study.
3. Increase high quality graduates in the field of Professional Interdisciplinary Studies that are proficient in analyzing and responding to workforce trends and challenges in a global setting.
4. Provide adult learners with high quality education that allows them to enter highly ranked graduate or professional schools.
5. Prepare adult learners to become consumers of research, keep current in their fields of study, and contribute to the general advancement of their knowledge and skills.

Student Learning Outcomes

Students will:

1. Demonstrate preparedness for professional requirements of the workplace as evidenced through coursework and experiential learning experiences.
2. Understand how to design, plan, and complete a comprehensive, individually-paced plan of study that is consistent with the student's career goal(s).

154 \ JACKSON STATE UNIVERSITY

3. Demonstrate critical thinking and creative problem solving skills for application in their respective fields of study.
4. Know how to effectively communicate verbally and in written form within the workplace.
5. Demonstrate an understanding of the interdisciplinary relationship among the humanities and fine arts, social and behavioral sciences, and natural sciences in response to workforce trends and societal challenges.
6. Know how to apply interdisciplinary principles and concepts to understand and interpret global workforce challenges and trends.
7. Demonstrate the ability to read, interpret, and evaluate the work of scholars.
8. Know how to analyze data and apply findings in the resolution of critical workforce and societal problems.
9. Understand and apply qualitative and quantitative approaches of research.
10. Understand the various purposes of assessments and evaluation instruments.
11. Read, analyze, interpret, and translate research findings in carrying out workplace responsibilities.

Program Options

In the Bachelor of Science in Professional Interdisciplinary Studies Degree Program, participants may choose from one of two program options:

Option 1: General Interdisciplinary Studies with an emphasis in Interdisciplinary Studies

- **General Interdisciplinary Studies**

This option prepares students for a broad spectrum of employment opportunities in such career fields as communications, humanities and fine arts, natural science, education, behavioral and social science, entry level international relations and social and economic affairs. Additionally, the program is flexible enough for students to customize studies for emerging positions and organizations in society today.

Option 2: Professional Interdisciplinary Studies with emphasis in one of two professional concentrations

- **Commercial Recreation and Resorts**

This specialization prepares students for entry-level administration, human relations and leadership positions at casinos, convention centers, cruise ships, resorts, hotels, electronic game rooms and facilities, air travel and other commercial gaming environments. Students will learn skills in events planning, program development and management, conflict resolution, and fiscal practices.

- **Faith-Based Leadership**

This specialization prepares students for faith-based leadership and administration, fiscal management, public relations and economic and community development for a variety of faith-based entities (i.e., churches and non-profit organizations). Students will also develop skills in grantsmanship, fiscal management, presentation, communication, and program development.

Internship/Special Field Research Projects

Students are required to participate in an internship or field based research program. These supervised activities will be a valuable work-learn experience in a professional environment outside of the classroom where students can explore career areas, gain practical skills, and make industry contacts.

CERTIFICATE PROGRAM

The School of General and Continuing Studies offers a certificate program entitled, Certificate in Interdisciplinary Studies: Commercial Recreation. The certificate program is comprised of 12 semester hours of academic credit classes from the Commercial Recreation and Resorts concentration in the PRIS Degree Program. The certificate program was designed for undergraduate and foreign exchange students. The certificate program permits students to combine a semester of academic study with a paid internship to provide valuable life, educational, and career experiences.

ADMISSIONS PROCEDURES

The Bachelor of Science in Professional Interdisciplinary Studies Degree Program is open to all adult learners who wish to study on a part-time or full-time basis. Students must meet all admissions requirements set forth by Jackson State University and the College of Lifelong Learning.

Students must submit the following to the College of Lifelong Learning to satisfy undergraduate admission into the Bachelor of Science in Professional Interdisciplinary Studies Degree Program:

1. Pre-admission to the College of Lifelong Learning
 - A. Completed Pre-admission Form to the College of Lifelong Learning
 - B. Submission of an official high school transcript or the equivalent (GED)
2. Admission to Jackson State University
 - A. A completed Jackson State University official Undergraduate Admissions Application
 - B. Official high school transcript showing graduation from a secondary school or the equivalent (GED)
 - C. Official transcripts of all post-secondary studies
 - D. Immunization record (**if born after 1957**)
 - E. Copy of birth certificate
 - F. ACT/SAT test scores
3. Admission to the College of Lifelong Learning
 - A. Admission to Jackson State University
 - B. A completed College of Lifelong Learning Application
 - C. GPA of 2.0
4. Admission to the Professional Interdisciplinary Studies Degree Program
 - A. GPA 2.0
 - B. Completion of UNIV 105, ENG 104 and ENG 105 with a grade of C or better

In the Professional Interdisciplinary Studies Degree Program, a maximum of 30 semester credit hours may be granted for satisfactory performance on the College Level Examination Program (CLEP) of the Educational Testing Service or prior successful post-secondary education at an accredited institution where a grade of C or better was obtained.

CURRICULUM REQUIREMENTS

Bachelor of Science in Professional Interdisciplinary Studies

General Education Requirements	48 hours
Professional Core	14 hours
Interdisciplinary Concentration	27 hours
Professional Concentration	27 hours
Internship and Research Project	<u>6-8 hours</u>

Total Hours: 122-124

Bachelor of Science: Professional Interdisciplinary Studies Major

FRESHMAN YEAR		F	S
HE 101	Concepts of Health		3
MFL 101, 102	Elementary Spanish	3	3
ENG 104, 105	Composition	3	3
HIST 101, 102	History of Civilization	3	3
MATH 111	College Algebra	3	
BIO 101	Biology	2	
BIOL 101	Biology Lab	1	
CSC 115	Digital Computer Principles		3
(Freshman Year Total: 30)		<u>15</u>	<u>15</u>

SOPHOMORE YEAR

ENG 205	World Literature	3	
ENG 213	Professional Writing		3
SPCH 201	Speech Arts		3
CLL 301	Principle Centered Leadership	3	
SS 201	Social Institutions		3
MUS 205	Music Appreciation	3	
PSY 201	General Psychology	3	
PHIL 301	Introduction to Philosophy		3
SOC 329	Social Change	3	
MNGT 330	Management to Organizations		3
(Sophomore Year Total: 30)		<u>15</u>	<u>15</u>

JUNIOR YEAR

	Humanities & Fine Arts Option	3	3
	Humanities & Fine Arts Option	3	
	Natural Science Option	3	3
	Natural Science Option		3
	Social Science Option		3
	Social Science Option	3	3
CLL 383W	Research Tools & Fundamentals For Working Adults	3	
(Junior Year Total: 30)		<u>15</u>	<u>15</u>

Bachelor of Science in Professional Interdisciplinary Studies—Concentration: General Interdisciplinary Studies

Option 1

156 \ JACKSON STATE UNIVERSITY

SENIOR YEAR	F	S	(Senior Year Total: 30-32)	16-18	14
Communications, Humanities & Fine Arts, Natural Sciences, Business, Education, Social and Behavioral Sciences, or Health and Physical Education	3	3			
Communications, Humanities & Fine Arts, Natural Sciences, Business, Education, Social and Behavioral Sciences, or Health and Physical Education	3	3			
Communications, Humanities and Fine Arts, Natural Sciences, Business, Education, Social and Behavioral Sciences, or Health and Physical Education	3	3			
Communications, Humanities and Fine Arts, Natural Sciences, Business, Education, Social & Behavioral Sciences, or Health and Physical Education	3	3			
Communications, Humanities and Fine Arts, Natural Sciences, Business, Education, Social and Behavioral Sciences, or Health and Physical Education	3				
CLL 480 or Independent Study or CLL 481 or Specialized Professional Training Project or	1-3				
CLL 482 Internship		2			
CLL 483 Special Field Research Project					
(Senior Year Totals: 30-32)	16-18	14			

TOTAL HOURS: 122-124

Bachelor of Science in Professional Interdisciplinary Studies–Concentration: Commercial Recreation & Resorts

Option 2A

SENIOR YEAR	F	S
CRR 421 Foundations of Commercial Rec.	3	
CRR 422 Introduction to the Gaming Industry		3
CRR 410 Administration of Commercial Rec.		3
CRR 423 Commercial Rec & Resort Progrms	3	
CRR 424 Special Events Plng & Development		3
CRR 411 Leisure Services & Facilities Mktg	3	
CRR 425 Customer Relations	3	
CRR 412 Law, Legal Issues, & Risk Mgmt	3	
CLL 400 Leadership Seminar	3	
CLL 480 or Independent Study or CLL 481 or Specialized Professional Training Project or	1-3	
CLL 482 Internship		2
CLL 483 Special Field Research Project		

TOTAL HOURS: 122-124

Bachelor of Science in Professional Interdisciplinary Studies–Concentration: Faith-Based Leadership

Option 2B

SENIOR YEAR	F	S
CLL 400 Leadership Seminar	3	
CRR 424 Special Events Plng & Developmnt	3	
FBL 406 Faith-Based Leaders: Mentoring the Next Generation		3
FBL 418 Organizational Leadership for Faith-Based Leaders		3
FBL 419W Communication Skills for Faith- Based Leaders		3
FBL 420 Financial Management for Faith- Based Leaders		3
FBL 407 Development & Operation of Family Life Centers & Programs	3	
FBL 408 Community Relations for Faith- Based Organizations	3	
FBL 409 Managing Faith-Based Personnel and Volunteers	3	
CLL 480 or Independent Study or CLL 481 or Specialized Professional Training Project or	1-3	
CLL 482 Internship		2
CLL 483 Special Field Research Project		
(Senior Year Total: 30-32)	16-18	14

TOTAL HOURS: 122-124

FINANCIAL AID:

Financial assistance is available to eligible students who are admitted to Jackson State University through the College of Lifelong Learning. In addition to financial assistance and scholarship programs offered by the University, the College makes financial resources available to students who apply according to program guidelines. Qualified, nontraditional high school graduates (17 to 24 years-of-age) and undergraduate adults (25 years-of-age or older), may receive support in the forms of work aid, tuition assistance, and/or book vouchers. All awards are based on the availability of funds. Students must show evidence of admission to Jackson State University for academic credit course work and meet the State of Mississippi's residency requirements as set forth by Jackson State University. In addition, students must meet all requirements outlined by the College of Lifelong Learning.

Students must maintain an academic grade point average of 2.50 in order to have their award renewed each semester. For additional information, please contact the College of Lifelong Learning at (601) 432-6234.



COLLEGE OF PUBLIC SERVICE

Dr. Mario J. Azevedo, Interim Dean

Dr. Mario J. Azevedo, Interim Dean, School of Health Sciences

Dr. Otha Burton, Jr., Associate Dean, School of Policy and Planning

Dr. Leon W. Chestang, Interim Associate Dean, School of Social Work

OFFICE: Jackson Medical Mall

350 W. Woodrow Wilson Drive, Suite #301

The College of Public Service

"Empowering People Through Public Service"

The mission of the College of Public Service is to educate students from diverse backgrounds for outstanding professional service and to develop local, national, and international innovative leaders in the professional academic disciplines represented in the Schools of Health Sciences, Policy and Planning, and Social Work.

THE SCHOOL OF HEALTH SCIENCES

Dr. Mario J. Azevedo, Interim Dean

OFFICE: Jackson Medical Mall

DEPARTMENTS

COMMUNICATIVE DISORDERS

HEALTH POLICY AND MANAGEMENT

158 \ JACKSON STATE UNIVERSITY

The School of Public Health has bachelors and masters programs, including Healthcare Administration (HCA), Public Health, and Communicative Disorders. These departments track the School's mission of offering high quality education, community-based and healthcare organization research, consultative and technical assistance statewide and in the Metro-Jackson areas. All programs are based in the heart of the state's urban capital and the central medical complex, with teaching locations at the University's Health Sciences Campus (Jackson Medical Mall), Main and Universities Center Campuses, and in convenient off-campus clinical sites.

DEPARTMENT OF COMMUNICATIVE DISORDERS

Dr. Nola Radford, Professor and Interim Chair

OFFICE: 3825 Ridgewood Road, Suite 6

TELEPHONE: (601) 432-6717; FAX: (601) 432-6844

FACULTY: Professor N. Radford; Assistant Professors G. McPherson, B. Sutton; Instructor and Clinical Coordinator C. Cannon

The Department of Communicative Disorders offers a program leading to the Bachelor of Science Degree in Communicative Disorders. Students enrolled in this program are prepared for entry into graduate programs in speech-language pathology, audiology, and speech-hearing science. A student must have a GPA of at least 2.5 to enroll in CMD 386—Clinical Practicum.

Bachelor of Science: Communicative Disorders

FRESHMAN YEAR

		F	S
UNIV 100	University Success	2	
ART 206 or	Art Appreciation or		
MUS 205	Music Appreciation	3	
MATH 111	College Algebra	3	
BIO 101	Introduction to Biology	2	
BIOL 101	Introduction to Biology Lab	1	
ENG 104,105	Composition	3	3
HIST 101,102	History of Civilization	3	3
HE 101	Concepts of Health		3
SCI 201,			
SCIL 201	Physical Science and Lab		3
CSC 115	Digital Computer Principles		3
(Freshman Year Total: 32 Hours)		<u>17</u>	<u>15</u>

SOPHOMORE YEAR

ENG 205	Introduction to Literature	3
CMD 211	Intro to Communicative Disorders	3

SPCH 201 or	Speech Arts or		
SPCH 215	Training the Speaking Voice	3	
SS 203	Hist & Cultural Foundtn of Educ.	3	
PSY 201	General Psychology	3	
FLG 101,102	Modern Foreign Languages	3	3
ENG 218	Advanced Composition		3
COUN 315	Human Growth & Development		3
CMD 219	Phonetics		3
GEOG 209	World Regional Geography		3
PHIL 309	Ethics		3

(Sophomore Year Total: 36 Hours)	<u>18</u>	<u>18</u>
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JUNIOR YEAR

SPED 311	Exceptnl Child & Youth in School	3	
CMD 312	Anat & Phys Speech Mechanics	3	
CMD 316	Speech & Hearing Science	3	
CMD 321	Language Development	3	
HCA 380	Statistics for Health Services	3	
CMD 310	Intro to Clinical Practicum		1
CMD 322	Articulation Disorders		3
CMD 324	Disorders of Fluency		3
CMD 325	Lang & Cog. Disorders in Children		3
CMD 344	Diag. Meth. In Speech & Lang. II		3
SPED 466	Intro to Sign Language		3

(Junior Year Total: 31 Hours)	<u>15</u>	<u>16</u>
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SENIOR YEAR

CMD 450	Meth & Mat. In Speech & Language	3	
CMD 480	Clinical Practicum in SLP I	3	
CMD 495	Senior Project	3	
CMD 423	Introduction to Audiology		3
CMD 486	Clinical Practicum in SLP II		3
PSY 306	Educational Psychology		3
Elective	Electives Options	3	3

(Senior Year Total: 24 Hours)	<u>12</u>	<u>12</u>
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TOTAL HOURS: 123

DEPARTMENT OF HEALTH POLICY AND MANAGEMENT

Dr. Emeka Nwagwu, Professor and Chair

FACULTY: Associate Professor M. Younis; Assistant Professors R. Bennett, B. Johnson, S. Ochai

The Healthcare Administration (HCA) Program is under the Department of Health Policy and Management and offers successful graduates a sound theoretical and practical education together with opportunities for direct field experience to prepare them for entry-level management positions and future professional career growth. Graduates typically will assume supervisory and middle management positions in hospitals, nursing homes, psychiatric facilities, group practices, managed care plans, ambulatory centers, home health agencies and other types of clinical services.

In support of JSU's rich heritage, this program is sensitive to the needs of a diverse student body that will address the national, state, and local need for more minorities in management and the professional health workforce. Experienced HCA graduates can advance their education in health policy and management in the school's MPH program. All school curricula are designed to serve full-time and part-time (working) students in evening classes.

THE PROFESSIONAL HEALTHCARE ADMINISTRATOR

Modern health service delivery in Mississippi and the nation is a growing, complex and costly issue. The State's healthcare providers need strong administrative leadership to manage the future of this important enterprise. JSU offers the only public university-sponsored program in the State which prepares individuals for careers in this challenging field. HCA is a well-established and recognized profession with practitioners working in many different settings dedicated to improving the public's health.

National Professional Organizations for Healthcare Administration include the American Colleges of Healthcare Executives, Medical Group Administrators, Mental Health Administrators, and the American Public Health Association. The HCA program maintains membership in the Association of University Programs in Health Administration and the National Association of Health Services Executives.

H.C.A. ADMISSION REQUIREMENTS

Students must complete the lower-division, first two years of preparation at JSU or transfer the equivalent course work from another accredited institution with equivalent seventy (70) hours and a 2.5 or higher grade point average. Admission prerequisites include courses in accounting, statistics, economics, and computer science. Application is made to upper division studies and next to the Bachelor of Science program of the school's HCA Program in a two-step process. Faculty advisors are assigned to guide all students through matriculation and field work requirements.

FINANCIAL AID

Those eligible for financial aid can be assisted by JSU's Office of Financial Aid (601-601-979-2227) and limited tuition and scholarship support in the school.

Bachelor of Science: Health Care Administration

FRESHMAN YEAR		F	S
BIO 111	General Biology	3	
BIOL 111	General Biology Lab	1	
MATH 111	College Algebra	3	
ENG 104,105	Composition	3	3
UNIV 100	University Success	2	
FLG 101,102	Modern Foreign Language Option	3	3
PE 101,102	Physical Education	1	1
CHEM 131	Introduction to Chemistry		3
CSC 115	Digital Computer Principles		3
PS 134	Introduction to Political Science		3
(Freshman Year Total: 32 Hours)		16	16

SOPHOMORE YEAR

HIST 101,102	History of Civilization	3	3
ENG 205	World Literature	3	
ACC 211,212	Principles of Accounting	3	3
SPCH 201	Speech Arts	3	
ART 206	Art Appreciation	3	
PSY 201	General Psychology	3	
PHIL 301	Introduction to Philosophy		3
ECO 211	Principles of Economics		3
ENG 213	Professional Writing		3
(Sophomore Year Total: 33 Hours)		18	15

JUNIOR YEAR

HCA 301	Introduction to Healthcare Orgntns	3	
HCA 311	Public Health & Epidemiology	3	
HCA 320	Healthcare Services Management	3	
HCA 380	Statistics for Health Services (MATH 111 Pre-requisite)	3	
HCA 310	Health Economics & Payer Systems (ECO 211 Pre-requisite)		3

160 \ JACKSON STATE UNIVERSITY

HCA 303	Medical & Administv Terminology	3	
HCA 352	Human Res. Mgnt. in Healthcare		3
HCA 384	Healthcare Policy & Politics		3
HCA 402	Healthcare Planning & Marketing		3
HCA 470	Healthcare Research & Evaluation		3

(Junior Year Total: 30 Hours)	<hr/>	<hr/>
	15	15

SENIOR YEAR

HCA 440	Health Management Info Systems	3	
HCA 420	Admin. Law & Ethics in Healthcare	3	
HCA 482	Managed Care & Integrated Systems		3
HCA 400	Healthcare Admin. Internship (Co-requisite of HCA 431)		3
HCA 431	Health Professional Career Dev Sem (Co-requisite of HCA 400)		3
HCA 450	Financial Mgnt. Of Health Services	3	
HCA 480	Applied Research/Mgnt. Project (HCA 470 Pre-requisite)	3	
HCA Elec.	Healthcare Approved Elective	3	3

(Senior Year Total: 27 Hours)	<hr/>	<hr/>
	15	12

TOTAL HOURS IN CURRICULUM: 122

Department Electives:

HCA 381	Long-Term and Mental Healthcare	3
HCA 365	Hospital Acute Care Administration	3
HCA 498	Contemporary Issues in Healthcare Admin.	3
HCA 340	Healthcare of Ambulatory Services	3
HCA 499	Independent Studies in Healthcare Admin.	3

The School of Health Sciences



Jackson Medical Mall
350 W. Woodrow Wilson Drive

THE SCHOOL OF POLICY AND PLANNING

Dr. Otha Burton, Jr., Associate Dean

OFFICE: C. F. Moore Building, Suite #324

URBAN STUDIES PROGRAM

Dr. Otha Burton, Jr., Associate Professor and Chair
OFFICE: C. F. Moore Building, Suite #324

FACULTY: Associate Professors O. Burton, E. Merem;
Assistant Professors M. Kumar, E. Santos, J. Wesley

OBJECTIVES

The objectives of the Urban Studies Program are as follows:

- To offer a responsive learning environment where students can enhance their abilities to communicate effectively, both orally and in writing;
- To support students in developing an understanding of the nature of urban studies through the skills and knowledge ascertained through the core courses;
- To prepare students for employment opportunities and further professional development as desired; and
- To promote a social consciousness which will enable students to assume responsibilities; to think critically about moral, economic, cultural, and political problems; and to contribute to the improvement of society.

OUTCOME MEASURES

Students' knowledge and skills are measured with written examinations and project assessments related to courses, performance ratings for internships and volunteer experiences,

and the general segment of the GRE that relates to the development of critical thinking and analytic abilities.

Bachelor of Arts: Urban Studies Major

FRESHMAN YEAR		F	S
ENG 104,105	Composition	3	3
HIST 101,102	History of Civilization	3	3
HE 101	Concepts of Health		3
UA 200	Introduction to Urban Affairs		3
UNIV 100	University Success	2	
BIO 103	Environmental Science	2	
BIOL 103	Environmental Science Lab	1	
SOC xxx	(100-200 level course)	3	
MATH 111	College Algebra		3
GEOG 103	Introduction to Physical Geography		3
(Freshman Year Total: 32 Hours)		14	18
SOPHOMORE YEAR			
ENG 205	Introduction to Literature	3	
ART 206	Art Appreciation	3	
EDCI xxx or EDFL xxx	Education Option (100-200 level) or Educ Leadership Optn (100-200)	3	
SPCH 216	Public Speaking		3
FLG 101, 102	Modern Foreign Languages Option	3	3
PS xxx	Political Sci. Optn (100-200 level)	3	
ECO 211	Principles of Economics		3
PSY xxx	Psychology Option (100-200 level)		3
UA xxx	Urban Studies Elective		3

162 \ JACKSON STATE UNIVERSITY

UA 229	Dimensions in Culture	3	
UA 310	History of Cities		3

(Sophomore Year Total: 36 Hours)	18	18
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JUNIOR YEAR

PHIL 301	Introduction to Philosophy	3	
HIST xxx	History Option (300-400 level)		3
SS xxx	Social Science Quantitative	3	
MNGT 350	Business Computer Application		3
ELEC xxx	Open Elective	3	
GEOG xxx	Geography Option (300-400 level)	3	
UA Elective	Electives Options	3	3
UA 366	Public Policies and Practices		3
UA 494	Writing and Presentation for Policy and Planning		3

(Junior Year Total: 30 Hours)	15	15
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SENIOR YEAR

PS xxx	Political Sci. Optn (300-400 level)	3	
SOC xxx	Sociology w/cultural content (300-400 level)	3	
SOC xxx	Sociology Option (300-400 level)		3
UA xxx	UA Elective	3	3
UA 421	Community Development Theory and Practice	3	
UA 466	Ethics in Policy & Planning		3
UA 495	Internship		4

(Senior Year Total: 25 Hours)	12	13
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TOTAL HOURS: 123-124

TECHNOLOGY TRANSFER CENTER

OFFICE: C. F. Moore Building, Third Floor

The Technology Transfer Center provides both technical information and updated training to transportation related agencies/personnel throughout the State of Mississippi. The center offers non-credit courses and training. These courses are both technical and practical in nature.

Admission to the Center's training session is by preregistration, on-site registration, and the payment of the registration fee. Workshop participants receive a certificate of training (provided the participant has remained at the session through its entirety) at the end of the training.

THE COLLEGE OF PUBLIC SERVICE

"Empowering People Through Public Service"

The mission of the College of Public Service is to educate students from diverse backgrounds for outstanding professional service and to develop local, national, and international innovative leaders in the professional academic disciplines represented in the Schools of Health Sciences, Policy and Planning, and Social Work.



**THE SCHOOL OF HEALTH SCIENCES
THE SCHOOL OF POLICY AND PLANNING
THE SCHOOL OF SOCIAL WORK**



**The E.E. Thrash Universities Center
3825 Ridgewood Road
Jackson, Mississippi**

THE SCHOOL OF SOCIAL WORK

Dr. Leon W. Chestang, Interim Associate Dean
OFFICE: Universities Center
3825 Ridgewood Road

BACHELOR OF SOCIAL WORK PROGRAM

Mrs. Jean Brooks, Assistant Professor and Program Coordinator

OFFICE: Charles F. Moore Building, Suite #336

FACULTY:: Assistant Professors L. Lawson, A. Marshall; Clinical Assistant Professor and Coordinator of B.S.W. Admissions, P. Hammond

The Board of Trustees of State Institutions of Higher Learning authorized the establishment of the School of Social Work on July 21, 1994. The School developed from the Department of Social Work which has offered a nationally accredited undergraduate degree in social work since 1975. The School now offers the Bachelor of Social Work, Master of Social Work, and the Ph.D. in Social Work degree programs.

The mission of the Bachelor of Social Work (BSW) Program is to prepare competent generalist entry-level social work professionals. Graduates of the program will be equipped with the knowledge, skills, and values and ethics that are required to meet the challenges and needs faced by diverse individuals, families, groups, organizations, and communities in a changing, global social environment. The BSW Program seeks to prepare students to become leaders in enhancing the quality of life and

seeking solutions to social problems. It is particularly concerned with the consequences of injustice, and thus focuses on the empowerment of at-risk populations and the advancement of social, economic, and political justice in all communities. The BSW Program is especially committed to increasing students' understanding and appreciation of diverse life experiences. While guiding both traditional and nontraditional students from varied backgrounds toward professional careers in social work, the program seeks to provide special support and sensitivity to students with the potential for success in this field. In fulfilling its mission, the undergraduate program supports and assists the missions of Jackson State University, the College of Public Service, and the School of Social Work.

The Bachelor of Social Work degree program is accredited by the Council on Social Work Education.

GOALS

The goals of the Social Work (B.S.W.) Program are to prepare students:

1. for entry-level professional careers as generalist practitioners and leaders in social work and social services;
2. to develop a professional identity that incorporates the knowledge, skills, and values and ethics of the social work profession;

3. for competent social work practice with diverse populations of individuals, families, groups, organizations, and communities;
4. who are sensitive to issues of oppression and discrimination and equipped with strategies to advance social, economic, and political justice; and
5. for graduate education.

OBJECTIVES

The objectives of the B.S.W. Program are to ensure that graduates:

1. use effective oral and written communication skills with diverse clients, colleagues, and communities;
2. apply critical thinking skills within the context of generalist social work practice in a changing, global social environment;
3. understand and interpret the history of the social work profession and its contemporary structures and issues;
4. analyze the impact of social welfare policies on diverse populations;
5. apply the knowledge, skills, and values and ethics of generalist social work practice with systems of all sizes;
6. use theoretical frameworks supported by empirical evidence to understand individual development and behavior across the life span as well as the interactions among and between individuals, families, groups, organizations, and communities;
7. use supervision and consultation appropriate to social work practice;
8. develop an understanding and respect for all people regardless of their differences;
9. practice without discrimination and with sensitivity when serving diverse populations;
10. understand the forms and mechanisms of oppression and discrimination;
11. develop knowledge, skills, attitudes, and values and ethics that will enable them to become advocates and leaders capable of formulating and influencing social policy to advance social, economic, and political justice;
12. evaluate research studies and apply research findings to practice;

13. evaluate their own practice interventions; and
14. develop an understanding of organizational structure and their roles as professionals and change agents within that structure.

Outcome measures utilized by the BSW Program include the evaluation of student performance on objective and essay examinations, written and oral reports in foundation social work classes, and field instructor/faculty evaluation of student performance in field placement as well as surveys of graduating seniors, and alumni.

The BSW Program offers the Bachelor of Social Work Degree.

ADMISSIONS REQUIREMENTS

The Bachelor of Social Work (B.S.W.) Program prepares professional social workers for beginning practice as social work generalists capable both of functioning in a variety of agency and community settings and of practicing with diverse populations. The curriculum provides the knowledge, skills, and values and ethics for working with individuals, families, groups, organizations and communities. The B.S.W. Program is accredited by the Council on Social Work Education.

Enrollment in the B.S.W. Program is limited. Admission to the University alone will not ensure admission to the B.S.W. Program.

Students may declare social work as a major upon entry to the University. Students are identified by the B.S.W. Program as pre-majors until they have been formally admitted to the B.S.W. Program.

Before applying for admission to the B.S.W. Program, students must have:

1. completed any developmental courses required by the University;
2. completed English 104 and 105 with a minimum grade of "C" in each course;
3. completed SW 200–Introduction to Social Work, and SW 210–Social Work Values and Ethics, with a minimum grade of "C" in each course;
4. removed any Incomplete grades ("I") in courses;
5. achieved a total institutional GPA of 2.75; and
6. achieved an overall social work GPA of 2.75.

The admission application includes:

1. An application checklist;
2. the application form;
3. a personal statement; and
4. an up-to-date transcript from Jackson State University that includes all credits transferred from other institutions.

In addition to the admission application, the admission process includes participation in a personal interview with the B.S.W. Program Admissions Committee.

Students must be fully admitted as social work majors before they will be allowed to enroll in SW 385–Social Work Practice I.

Academic credit for social work courses is evaluated in accordance with the following policies:

1. The course, Introduction to Social Work, is accepted for transfer credit.
2. Students who wish to transfer other social work courses from Council on Social Work Education (CSWE) accredited institutions must submit a copy of the course syllabus for the course(s) they took at the other institution. The course syllabus is reviewed by the B.S.W. Program Coordinator in consultation with the B.S.W. Program faculty to determine whether there is a comparable course in the B.S.W. Program for which credit may be given.
3. Non-equivalent social work courses from CSWE-accredited institutions and social work courses from non-CSWE-accredited institutions may be transferred as social work electives.
4. A minimum of thirty (30) semester hours toward the B.S.W. degree must be completed at Jackson State University.
5. Only social work courses completed within the last ten years of re-admission or transfer to Jackson State University will apply toward B.S.W. degree requirements.

Academic credit for life experience and previous work experience shall not be given, in whole or in part, in lieu of social work courses.

Students are expected to adhere to the values and ethics of the social work profession. Students are required to take social work courses in sequence and to have a minimum overall GPA of 2.5 and a minimum cumulative GPA in social work courses of 2.5 before going into field instruction. All students with grades below “C” in English 104 and 105 are required to repeat these courses the next semester in residence at the University and attain a minimum grade of “C” before advancing in the program.

Students with a major in social work who earn a grade below “C” in any social work core curriculum course will be allowed to repeat each course only once. The repeated course must be completed with a grade of “C” or better before the student may take any other required social work courses. Students who do not successfully complete repeated courses the second time must be referred to their advisor for counseling out of social work as a major at Jackson State University School of Social Work.

Requirements for a Minor:

Social Work 200, 201, 301 (9 hours); the remaining nine (9) hours may be selected from any social work courses except Social Work 385, 485, 486, 489, and 499.

CURRICULUM FOR FULL-TIME STUDENTS:

Bachelor of Social Work: Social Work Major

FRESHMAN YEAR		F	S
ENG 104,105	Composition I & II	3	3
HIST 101,102	History of Civilization	3	3
FLG 101,102	Modern Foreign Language	3	3
UNIV 100	University Success	2	
MATH 111	College Algebra	3	
BIO 101	Introduction to Biology	2	
BIOL 101	Introduction to Biology Lab	1	
	Humanities and Fine Arts Option		3
HE 101	Concepts of Health		3
(Freshman Year Total: 32 Hours)		17	15

SOPHOMORE YEAR

SW 200	Introduction to Social Work	3	
ENG 205	World Literature	3	
PSY 201	General Psychology	3	
SW 210	Social Work Values & Ethics	3	
SOC 214	Introduction to Sociology	3	
PS 135 or	American Government		
SW 410	or Social Legislation		3
ENG xxx	English Option		3
ECO 211	Principles of Macroeconomics		3
SPCH xxx	Speech Arts Option		3
SW 201	Intro. to Social Welfare Policy and Services I		3
SW 250	Theoretical Perspectives for Generalist Social Work		3
(Sophomore Year Total: 33 Hours)		15	18

JUNIOR YEAR

SW 301,302	Human Behavior & Social Environment I and II	3	3
PSY 216	Abnormal Psychology	3	
SW 305	Human Diversity & Social Justice	3	
SW 315 or			
CSC 115	Computer Option		3
SW 338	Social Welfare Policy & Services II	3	
SW xxx	Social Work Electives	3	3

166 \ JACKSON STATE UNIVERSITY

SW 385W	Social Work Practice I	3	
	Statistics Option*	3	
(Junior Year Total: 30 Hours)		15	15

SENIOR YEAR

SW 455W	Research Methods in Social Work	3	
SW 485	Skills in Interviewing	3	
SW 486	Social Work Practice II	3	
SW 465	Professional Development and Licensure Preparation	2	
Elective	General Electives	6	
SW 489	Field Instruction		9
SW 499	Seminar: Issues & Problems of Professional Social Work		3
(Senior Year Total: 29 Hours)		17	12

TOTAL HOURS: 124

NOTE: *SOC 451, PSY 211, PS 236, or ECO 357.

CURRICULUM FOR PART-TIME STUDENTS:

General Education and Social Work Prerequisite Courses to be completed prior to the Professional Curriculum (for Part-time Students)

		F	S
ENG 104,105	Composition I & II	3	3
HIST 101,102	History of Civilization	3	3
MFL 101,102	Modern Foreign Language	3	3
UNIV 100	University Success	2	
MATH 111	College Algebra	3	
BIO 101	Introduction to Biology	2	
BIOL 101	Introduction to Biology Lab	1	
HE 101	Concepts of Health		3
	Humanities & Fine Arts Option		3
PSY 201	General Psychology	3	
SOC 214	Introduction to Sociology	3	
ENG 205	World Literature	3	
ENG xxx	English Option		3
ECO 211	Principles of Macroeconomics		3
SPCH xxx	Speech Arts Option		3
PS 135 or SW 410	American Government or or Social Legislation		3
ELEC	General Electives	3	3

Year One

SW 200	Introduction to Social Work	3	
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SW 210	Social Work Values and Ethics	3	
SW 201	Introduction to Social Welfare Policy and Services I		3
SW 250	Theoretical Perspectives for Generalist Social Work		3
PSY 216	Abnormal Psychology*		3
SW 301	Human Behavior and Social Environment I		3

Year Two

SW 305	Human Diversity & Social Justice	3	
SW 302	Human Behavior and Social Environment II		3
SW 338	Social Welfare Policy & Services II	3	
SW xxx	Social Work Elective		3
SW 385(W)	Social Work Practice I		3
SW 315 or CSC 115	Computer Option		3

Year Three

SW xxx	Social Work Elective	3	
SW 485	Skills in Interviewing	3	
SW 486	Social Work Practice II Statistics Option* (SOC 451, PSY 211, PS 236, or ECO 357)		3
SW 455(W)	Research Methods in Social Work		3
SW 465	Professional Development & Licensure Preparation		2

Year Four

SW 489	Field Instruction**	9	
SW 499	Seminar in Issues and Problems of Professional Social Work**		3

**Social Work corequisite courses offered in other disciplines may require daytime attendance.*

***Field Instruction requires a full-time commitment, normally during daytime working hours.*

CURRICULUM FOR TRANSFER STUDENTS:

To be taken prior to transfer or in the summers after transfer:

		F	S
ENG 104,105	Composition I and II	3	3
HIST 101,102	History of Civilization	3	3
MFL 101,102	Modern Foreign Language	3	3
UNIV 100	University Success	2	
MATH 111	College Algebra	3	

ACADEMIC PROGRAMS / 167

BIO 101	Introduction to Biology	2	
BIOL 101	Introduction to Biology Lab	1	
HE 101	Concepts of Health	3	
	Humanities & Fine Arts Option	3	
PSY 201	General Psychology	3	
SOC 214	Introduction to Sociology	3	
ENG 205	World Literature	3	
ENG xxx	English Option	3	
ECO 211	Principles of Macroeconomics	3	
SPCH xxx	Speech Arts Option	3	
PS 135 or SW 410	American Government or or Social Legislation	3	
ELEC	General Electives	6	

**This sequencing is for JSU students who transfer to social work as a major as well as to students from other colleges or universities who transfer to JSU at the beginning of the junior year. Students following this sequence will need to complete the full 124 credit hour curriculum to earn the B.S.W. degree.*

***Prerequisites: BIO 101, BIOL 101, HE 101, PSY 201, SOC 214, SW 200, SW 210, or approved options*

****Prerequisites: ECO 211, PS 135, SW 200, SW 201, or approved options*

*****Formal admission to B.S.W. major status required*

To be taken in the junior and senior years for transfer students:

JUNIOR YEAR

SW 200	Introduction to Social Work	3	
SW 201	Introduction to Social Welfare Policy and Services I	3	
SW 210	Social Work Values and Ethics	3	
SW 250	Theoretical Perspectives for Generalist Social Work	3	
PSY 216	Abnormal Psychology	3	
**SW 301	Human Behavior and Social Environment I	3	
SW 302	Human Behavior and Social Environment II	3	
SW 305	Human Diversity & Social Justice	3	
SW 315 or CSC 115	Computer Option	3	
***SW 338	Social Welfare Policy & Services II	3	
***SW 385W	Social Work Practice I	3	
SW xxx	Social Work Elective	3	
(Junior year total: 36 hours)		18	18

SENIOR YEAR

	Statistics Option (SOC 451, PSY 211, PS 236, or ECO 357)	3	
SW 455(W)	Research Methods in Social Work	3	
SW 485	Skills in Interviewing	3	
SW 486	Social Work Practice II	3	
SW 465	Professional Development and Licensure Preparation	2	
SW xxx	Social Work Elective	3	
SW 489	Field Instruction	9	
SW 499	Seminar in Issues and Problems of Professional Social Work	3	
(Senior year total: 29 hours)		17	12

THE SCHOOL OF SOCIAL WORK (Bachelor of Social Work Program)

Bachelor of Social Work Program



Social Work students in the College of Public Service believe in teamwork and service to the community.



COLLEGE OF SCIENCE, ENGINEERING AND TECHNOLOGY

Dr. Mark G. Hardy, Dean

Dr. Robert W. Whalin, Associate Dean, School of Engineering

Dr. Paul Tchounwou, Associate Dean, School of Science and Technology

OFFICE: School of Engineering Building, Room #201

The College of Science, Engineering, and Technology (CSET) was authorized in 2002, through an academic reorganization plan that combined the School of Science and Technology with the School of Engineering. The focal point of CSET's vision is the preparation of highly quality and competitive graduates. Academic programs help to fulfill this vision which is complemented by a faculty with a rich diversity of recognized scholars and scientists who have established reputations throughout the world. A capable and energetic administration, with a well-trained staff, is in place to provide the knowledge, support and experiences required to ensure and enhance productivity in the academic environment.

THE SCHOOL OF ENGINEERING

Dr. Robert W. Whalin, Associate Dean

OFFICE: School of Engineering Building, Room #201

DEPARTMENTS

**CIVIL ENGINEERING AND ENVIRONMENTAL
ENGINEERING
COMPUTER AND COMMUNICATION
ENGINEERING
COMPUTER SCIENCE**

The School of Engineering offers Bachelor of Science Degrees in Civil Engineering, Computer Engineering, Telecommunications Engineering, and Computer Science. All B.S. degree programs are accredited by the Accreditation Board for Engineering 2nd Technology (Engineering Accreditation

Commission and Computer Science Accreditation Commission respectively).

GOALS

The Engineering Program goals are as follows:

- I. Creating academic programs that prepare graduates: for entry into the practice of engineering, and contribution in the discipline or related areas and; with an awareness of the importance of continuing professional development and lifelong learning.
- II. Building academic programs that openly recruit and retain students with the goal of ethnic and social diversity.

- III. Engineering program development that seeks to blend the academic and pragmatic—to develop students with an empowered sense of their future.
- IV. Incorporation of the systems aspect of engineering practice into the engineering educational experience.
- V. Development of graduate and continuing engineering educational offerings that meet specific community needs.
- VI. Become actively involved in state-of-the-art research as well as state and regional economic development.

Engineering is a profession in which a knowledge of the mathematical and natural sciences, gained by study, experience, and practice, is applied to the efficient use of materials and the forces of nature. In fact, the term engineer properly means a person who has received professional training in pure and applied science. Before the middle of the 18th century, military experts assumed most engineering responsibilities, thereby diminishing the need for specialized private sector engineer training. Subsequent technical advances and societal changes have greatly broadened the field of engineering and introduced a civilian workforce to a large number of engineering specialities.

SCHOLARSHIPS AND FINANCIAL AID

A variety of financial assistance programs are available through the Financial Aid Office at Jackson State University to assist students requiring financial assistance. For application information, please contact the Office of Financial Aid at, P. O. Box 17330, Jackson, Mississippi 39217, or telephone toll free at 1-800-848-6817.

In addition to the scholarship programs offered by the University, the School of Engineering offers scholarship awards to students who demonstrate promise as evidenced by exceptional high school academic performance (high school average of “B” or above) in college preparatory courses or outstanding achievement on the American College Test (ACT, 24 or above) or the Scholastic Aptitude Test (SAT, 1090 or above). The amount of the award is based on demonstrated financial need. Students should apply for scholarships by the end of March prior to the subsequent Fall semester. For application information, please contact: Jackson State University School of Engineering, P. O. Box 17249, Jackson, Mississippi 39217, or telephone us at (601) 601-979-4043.

The School offers the following scholarships:

1. School of Engineering Scholarship
2. Company-funded Scholarships
 - a. Neel-Scholarship
 - b. KWAME

These scholarships are renewable based on academic performance.

DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING

Dr. Farshad Amini, Professor and Chair

OFFICE: School of Engineering, Faculty Building #25, Room #204

FACULTY: Professors F. Amini, D. Leszczynska*, R. Whalin; Associate Professors Y. Li; Assistant Professors Y. Li, W. Zheng, F. Wang, W. Walters**

**Joint appointment with the Environmental Science Program*

***Joint appointment with the Department of Physics, Atmospheric Sciences and Geosciences*

Civil Engineering, the oldest and broadest of the divisions of engineering, implements a range of public and private projects for improving the world's environment. The civil engineer integrates scientific principles including modern computational tools with engineering experience to conceive, plan, design, construct, operate, and maintain facilities such as network of highways and railroads, airports, bridges, buildings, dams, tunnels, environmental pollution control systems, water purification and distribution systems and urban transportation systems that maintain, protect, and enhance the quality of life in our society. Civil Engineering is about community service, development and improvement, which includes the planning, design, construction, maintenance and operation of facilities essential to modern technological society, ranging from transit systems to offshore structures to space satellites. The civil engineering profession faces a great challenge as it assumes a central mode in solution of the physical problems facing the urban environment. The Civil Engineering Program at Jackson State University is fully accredited by the Engineering Accreditation Commission (EAC) of the Accreditation Board for Engineering and Technology (ABET), and is designed to prepare students for careers in civil engineering or to seek graduate study.

MISSION

The mission of the Department of Civil & Environmental Engineering is to achieve excellence in education, research, and public and professional service. The Department will:

1. Provide a forward-looking, learner-centered and intellectually stimulating civil engineering educational experience that inspires students to reach for the highest levels of intellectual attainment and growth throughout their lives;

170 \ JACKSON STATE UNIVERSITY

2. Provide a scholarly and professional environment and make significant contributions to the advancement of knowledge in civil engineering; and,
3. Engage in meaningful service activities that enhance the public's understanding and perception of civil engineering issues for the betterment of society and particularly in an urban environment.

The Department will pursue its mission within an environment that embraces integrity, respect, trust, openness, fairness, performance, and accountability.

PROGRAM EDUCATIONAL OBJECTIVES

The JSU Civil Engineering Program will:

1. Prepare our graduates to meet employer expectations for competent, professional, and ethical practice.
2. Prepare our graduates to pursue advanced studies in civil engineering or other fields.
3. Prepare our graduates to adopt and continuously practice life-long learning and continuing

PROGRAM OUTCOMES

The JSU Civil Engineering graduates will have:

- Outcome A:** an ability to apply knowledge of mathematics, science, and engineering.
- Outcome B:** an ability to design and conduct civil engineering experiments, as well as to analyze and interpret data.
- Outcome C:** an ability to design a civil engineering system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
- Outcome D:** an ability to function on multi-disciplinary teams.
- Outcome E:** an ability to identify, formulate, and solve civil engineering problems.
- Outcome F:** an understanding of professional and ethical responsibility.
- Outcome G:** an ability to communicate effectively.
- Outcome H:** the broad education necessary to understand the impact of civil engineering solutions in a global, economic, environmental, and societal contexts.
- Outcome I:** recognition of the need for, and an ability to engage in life-long learning.
- Outcome J:** an ability to use the techniques, skills, and modern engineering tools.

Outcome K: a knowledge of contemporary issues necessary for engineering practice.

REQUIREMENTS FOR THE MAJOR:

The Undergraduate Civil Engineering Program at JSU offers two concentrations in "General Civil Engineering" and "Environmental Engineering." The General Civil Engineering concentration is designed for students who desire a broad knowledge of the field of civil engineering. The Environmental Engineering concentration is intended for students who are more interested in Environmental Engineering as a career.

Bachelor of Science: Civil Engineering Major (General Civil Engineering Concentration)

FRESHMAN YEAR		F	S
MATH 231,232	Calculus I and II	4	4
ENG 104,105	Composition	3	3
HIST 101,102	History of Civilization	3	3
UNIV 100	University Success	2	
CHEM 141	General Chemistry I	3	
CHML 141	General Chemistry I Lab	1	
EN 105	Programming for Engineers		3
PHY 211	General Physics I		4
PHYL 211	General Physics I Lab		1

(Freshman Year Total: 34 Hours)	16	18
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SOPHOMORE YEAR

MATH 233	Calculus III	4	
PHY 212	General Physics II	4	
PHYL 212	General Physics II Lab	1	
ENG xxx	English Option	3	
EN 222	Engineering Mechanics I	3	
MATH 368	Ordinary Diff. Equations I		3
EN 223	Engineering Mechanics II		3
SPCH xxx	Speech Options		3
EN 220	Circuit Theory		3
EN 201	Engineering Graphics		2
EN 240	Strength of Materials		3

(Sophomore Year Total: 32 Hours)	15	17
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JUNIOR YEAR

CIV 330,			
CIVL 330	Fluid Mechanics & Lab	3	
MATH 307	Probability & Statistics for Engineers		3

ACADEMIC PROGRAMS / 171

CIV 320	Structural Analysis	3	
CIV 340S,			
CIVL 340	Environmental Engineering & Lab	4	
PHIL xxx	Philosophy Option	3	
CIV 360	Design of Steel Structures	2	
EN 355	Engineering Economy	3	
CIV 370	Water Resources Engineering	3	
CIV 380	Intro to Geotechnical Engineering	3	
CIVL 380	Geotechnical Engineering Lab	1	
CIV 390	Intro to Transportation Engineering	3	

(Junior Year Total: 31 Hours)	16	15
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SENIOR YEAR

CIV 410	Capstone Design I	3	
CIV xxx	Civil Engineering Elective	3	
CIV xxx	Civil Engineering Elective	3	
CIV 430	Foundation Engineering	3	
CIV 420	Design of Concrete Structures	2	
CIV 421	Structural Engineering Lab	1	
CIV 411W	Capstone Design II	3	
CIV xxx	Civil Engineering Elective	3	
CIV xxx	Civil Engineering Elective	3	
CIV xxx	Civil Engineering Elective	3	
ART xxx	Fine Arts Option	3	
CIV 461	Professional & Ethical Issues in Civil Engineering	1	

(Senior Year Total: 31 Hours)	15	16
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TOTAL HOURS: 128

Civil Engineering Technical Electives:

CIV 310	Engineering Surveying	
CIVL 310	Engineering Surveying Lab	
CIV 441	Water & Wastewater Treatment Processes	
CIV 451	Computer Methods in Civil Engineering	
CIV 460	Design of Environmental Engineering Facilities	
CIV 465	Advanced Water Resources Engineering	
CIV 466	Advanced Design of Hydraulic Structures	
CIV 468	Hazardous Waste Engineering	
CIV 470	Urban Transportation Engineering Sys. Design	
CIV 471	Principles of Geoenvironmental Engineering	
CIV 472	Applied Geotechnical Engineering Design	
CIV 475	Pavement Design	
CIV 476	Advanced Design of Steel Structures	
CIV 477	Advanced Design of Concrete Structures	
CIV 478	Design of Wood and Masonry Structures	
CIV 479	Evaluation, Maintenance, and Rehabilitation of Public Works Infrastructure	
CIV 481	Special Problems in Civil Engineering	

1. At least one (1) civil engineering elective must be chosen from CIV 465 or CIV 466.
2. At least one (1) civil engineering elective must be chosen from CIV 441 or CIV 460.
3. At least one (1) civil engineering elective must be chosen from CIV 470, CIV 475, or CIV 479.

The students are required to contact their advisors or department chair prior to taking any civil engineering elective.

DEVELOPMENTAL COURSE REQUIREMENTS:

ENG 002 Required for students with an ACT English subtest score of 16 or less. Strongly encouraged for students with English subtest score of 19 or less.

MATH 004 Required for students with an ACT Mathematics subtest score of 16 or less. Strongly encouraged for students with Mathematics subtest score of 19 or less.

RE 002 Required for students with an ACT Reading subtest score of 16 or less. Strongly encouraged for students with Reading subtest score of 19 or less.

GNST 101,102 Required for students taking two (2) or more intermediate courses. Students in the Academic Support Program will not be permitted to take more than 15 semester hours, including intermediate courses and the Academic Support Program.

NOTE: (a) Students who transfer 12 or more hours of college credit are exempt from UNIV 100; (b) Students are required to take the Mathematics Placement Test to determine if they need to take any mathematics courses before taking MATH 231–Calculus I; (c) Students who fail the English Proficiency Examination must register for ENG 399.

SPEECH OPTIONS

SPCH 201	Speech Arts
SPCH 334	Argumentation and Debate
SPCH 355	Persuasion
SPCH 430	Small Group Discussion

PHILOSOPHY OPTIONS

PHIL 208	Aesthetics
PHIL 301	Introduction to Philosophy
PHIL 309	Ethics
PHIL 416	Logic

172 \ JACKSON STATE UNIVERSITY

HUMANITIES AND FINE ARTS OPTIONS

ART 206	Art Appreciation
MUS 205	Music Appreciation
DR 201	Introduction to Drama
ENG 201/202	Humanities
ENG 205	World Literature
FR 101/102	Elementary French *
FR 201/202	Intermediate French *
FR 213	French Phonetic Reading *
SP 101/102	Elementary Spanish *
SP 201/202	Intermediate Spanish *

* NOTE: Students may take the equivalent of any foreign language the University offers.

ENGLISH OPTIONS

ENG 205	World Literature
ENG 206	Literature of Science
ENG 213	Professional Writing

Bachelor of Science: Civil Engineering Major (Environmental Engineering Concentration)

FRESHMAN YEAR

		F	S
MATH 231,232	Calculus I and II	4	4
ENG 104,105	Composition	3	3
HIST 101,102	History of Civilization	3	3
UNIV 100	University Success	2	
CHEM 141	General Chemistry I	3	
CHML 141	General Chemistry I Lab	1	
EN 105	Programming for Engineers		3
PHY 211	General Physics I		4
PHYL 211	General Physics I Lab		1
(Freshman Year Total: 34 Hours)		<u>16</u>	<u>18</u>

SOPHOMORE YEAR

MATH 233	Calculus III	4	
CHEM 142	General Chemistry II	3	
CHML 142	General Chemistry II Lab	1	
ENG xxx	English Option	3	
EN 222	Engineering Mechanics I	3	
MATH 368	Ordinary Diff. Equations I		3
EN 223	Engineering Mechanics II		3
CHEM 241	Organic Chemistry I		3
CHML 241	Organic Chemistry I Lab		1
EN 220	Circuit Theory		3
EN 201	Engineering Graphics		2
EN 240	Strength of Materials		3

(Sophomore Year Total: 32 Hours)

14 18

JUNIOR YEAR

CIV 330,			
CIVL 330	Fluid Mechanics & Lab	3	
MATH 307	Probability & Statistics for Engineers	3	
CIV 320	Structural Analysis	3	
CIV 340S,			
CIVL 340	Environmental Engineering & Lab	4	
SPCH xxx	Speech Option	3	
CIV 360	Design of Steel Structures		2
EN 355	Engineering Economy		3
CIV 370	Water Resources Engineering		3
CIV 380	Intro to Geotechnical Engineering		3
CIVL 380	Geotechnical Engineering Lab		1
CIV 390	Intro to Transportation Engineering		3

(Junior Year Total: 31 Hours)

16 15

SENIOR YEAR

CIV 410	Capstone Design I	3	
CIV xxx	Civil Engineering Elective	3	
CIV xxx	Civil Engineering Elective	3	
CIV 430	Foundation Engineering	3	
CIV 420	Design of Concrete Structures	2	
CIV 421	Structural Engineering Lab	1	
CIV 411W	Capstone Design II		3
CIV xxx	Civil Engineering Elective		3
CIV xxx	Civil Engineering Elective		3
ART xxx	Fine Arts Option		3
PHIL xxx	Philosophy Option		3
CIV 461	Professional and Ethical Issues in Civil Engineering		1

(Senior Year Total: 31 Hours)

15 16

TOTAL HOURS: 128

Civil Engineering Technical Electives:

CIV 310	Engineering Surveying
CIVL 310	Engineering Surveying Lab
CIV 441	Water & Wastewater Treatment Processes
CIV 451	Computer Methods in Civil Engineering
CIV 460	Design of Environmental Engineering Facilities
CIV 465	Advanced Water Resources Engineering
CIV 466	Advanced Design of Hydraulic Structures
CIV 468	Hazardous Waste Engineering
CIV 470	Urban Transportation Engineering Syst. Design
CIV 471	Principles of Geoenvironmental Engineering
CIV 472	Applied Geotechnical Engineering Design

CIV 475	Pavement Design
CIV 476	Advanced Design of Steel Structures
CIV 477	Advanced Design of Concrete Structures
CIV 478	Design of Wood and Masonry Structures
CIV 479	Evaluation, Maintenance, and Rehabilitation of Public Works Infrastructure
CIV 481	Special Problems in Civil Engineering

1. At least three (3) civil engineering electives must be chosen from CIV 441, CIV 460, CIV 468, or CIV 471.
2. At least one (1) civil engineering elective must be chosen from CIV 470, CIV 475, or CIV 479.

The students are required to contact their advisors or department chair prior to taking any civil engineering elective.

DEVELOPMENTAL COURSE REQUIREMENTS:

ENG 002	Required for students with an ACT English subtest score of 16 or less. Strongly encouraged for students with English subtest score of 19 or less.
MATH 004	Required for students with an ACT Mathematics subtest score of 16 or less. Strongly encouraged for students with Mathematics subtest score of 19 or less.
RE 002	Required for students with an ACT Reading subtest score of 16 or less. Strongly encouraged for students with Reading subtest score of 19 or less.
GNST 101,102	Required for students taking two (2) or more intermediate courses. Students in the Academic Support Program will not be permitted to take more than 15 semester hours, including intermediate courses and the Academic Support Program.

NOTE: (a) Students who transfer 12 or more hours of college credit are exempt from UNIV 100; (b) Students are required to take the Mathematics Placement Test to determine if they need to take any mathematics courses before taking MATH 231–Calculus I; (c) Students who fail the English Proficiency Examination must register for ENG 399.

SPEECH OPTIONS

SPCH 201	Speech Arts
SPCH 300	Introduction to Organization Communication
SPCH 334	Argumentation and Debate
SPCH 355	Persuasion
SPCH 430	Small Group Discussion

PHILOSOPHY OPTIONS

PHIL 208	Aesthetics
PHIL 301	Introduction to Philosophy
PHIL 309	Ethics
PHIL 416	Logic

HUMANITIES AND FINE ARTS OPTIONS

ART 206	Art Appreciation
MUS 205	Music Appreciation
DR 201	Introduction to Drama
ENG 201/202	Humanities
ENG 205	World Literature
FR 101/102	Elementary French *
FR 201/202	Intermediate French *
FR 213	French Phonetic Reading *
SP 101/102	Elementary Spanish *
SP 201/202	Intermediate Spanish *

* NOTE: Students may take the equivalent of any foreign language the University offers.

ENGLISH OPTIONS

ENG 205	World Literature
ENG 206	Literature of Science
ENG 213	Professional Writing

DEPARTMENT OF COMPUTER AND COMMUNICATIONS ENGINEERING

Dr. Mahmoud A. Manzoul, Professor and Chair

OFFICE: School of Engineering, Faculty Building #25, Room #202

FACULTY: Professors Kamal S. Ali, William Blair, and Shahrouz Aliabadi; Associate Professors Tarek El-Bawab and Gordon Skelton; Assistant Professors Khalid Abed, Abdelnasser Eldek, Tadesse Ghirmai, and Chia-Pin Robin Liu.

The mission of the Computer Engineering Department is to build and sustain a high quality and broad-based teaching and research program in computer engineering and telecommunications engineering, to prepare graduates for successful professional careers, and to provide service to the community.

The Department of Computer Engineering offers two undergraduate degrees: Bachelor of Science in Computer Engineering and Bachelor of Science in Telecommunications Engineering.

COMPUTER ENGINEERING OBJECTIVES

1. To equip students with the necessary background and technical knowledge for the successful practice of computer engineering, including its scientific principles, analysis, and engineering design.
2. To produce graduates who are able to pursue advanced study in the field of computer engineering.
3. To prepare students for professional success with clear communication ability and commitment to ethical and social responsibilities, diversity, lifelong learning, and teamwork.

Educational Outcomes

The computer engineering program attempts to instill the following educational outcomes in its graduates:

- a An ability to apply knowledge of mathematics, science, and engineering to the analysis of computer engineering problems.
- b An ability to design and conduct scientific and engineering experiments, as well as to analyze and interpret data.
- c An ability to design a system, component, or process to meet desired needs.
- d An ability to function on multi-disciplinary teams.
- e An ability to identify, formulate and solve computer engineering problems.
- f An understanding of professional and ethical responsibility.
- g An ability to communicate effectively.
- h A broad education necessary to understand the impact of computer engineering solutions in a global, economic, environmental, and societal context.
- i A recognition of the need for, and an ability to engage in, life-long learning.
- j A knowledge of contemporary issues.
- k An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.
- l A knowledge of discrete mathematics, probability and statistics, with applications in computer engineering.

REQUIREMENTS FOR THE MAJOR:**Bachelor of Science: Computer Engineering Major****FRESHMAN YEAR**

	F	S
UNIV 100 University Success	2	
MATH 231, 232 Calculus I and II	3	3

MATL 231,232	Calculus I and II Lab	1	1
CSC 118	Programming Fundamentals	3	
CSCL 118	Programming Fundamentals Lab	1	
HIST 101,102	History of Civilization	3	3
ENG 104,105	Composition	3	3
PHY 211	General Physics I		4
PHYL 211	General Physics I Lab		1
(Freshman Year Total: 31 Hours)		16	15

SOPHOMORE YEAR

MATH 233	Calculus III	3	
MATL 233	Calculus III Lab	1	
PHY 212	General Physics II	4	
PHYL 212	General Physics II Lab	1	
EN 252	Engineering Analysis	3	
EN 212	Digital Logic	3	
ENL 212	Digital Logic Lab	1	
CSC 119	Object-Oriented Programming		3
CSCL 119	Object-Oriented Programming Lab		1
EN 222	Engineering Mechanics I		3
MATH 368	Ordinary Differential Equation I		3
CHEM 141	General Chemistry I		3
CHML 141	General Chemistry I Lab		1
EN 220	Circuit Theory		3
ENL 220	Circuit Theory Lab		1
(Sophomore Year Total: 34 Hours)		16	18

JUNIOR YEAR

MATH 307	Prob & Stat for Engineers	3	
ENG xxx	English Option	3	
CSC 225	Discrete Structure	3	
CPE 312	Computer Organization	3	
CPE 351	Signals and Systems	3	
CPE 315	Synthesis with HDL		3
CSC 360	Embedded Microprocessors		3
CSCL 360	Embedded microprocessors Lab		1
CSC 228	Data Structures & Algorithms		3
CSCL 228	Data Structures & Algorithms Lab		1
CPE 330	Electronics		3
CPEL 330	Electronics Lab		1
(Junior Year Total: 30 Hours)		15	15

SENIOR YEAR

CPE 490S	Senior Design Project I	3	
CPE 412	Computer Architecture	3	
EN 355	Engineering Economy	3	
SPCH xxx	Speech Option	3	
PHIL xxx	Philosophy Option	3	
CSC 325	Operating Systems	3	
CPE 491W	Senior Design Project II		3

ACADEMIC PROGRAMS / 175

CPE xxx	Technical Elective 1	3
CPE xxx	Technical Elective 2	3
CPE xxx	Technical Elective 3	3
ART xxx	Fine Arts Option	3

(Senior Year Total: 33 Hours)	18	15
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NOTE: Grade “C” or better for all courses

TOTAL HOURS: 128

Technical Electives for Computer Engineering Majors:

CPE 430	Digital VLSI Design	3
CPE 431	Digital Systems Testing	3
CPE 440	Communication Systems	3
CPE 441	Computer Networks	3
CPE 451	Digital Signal Processing	3
CPE 492	Special Studies in CPE	3
CPE 493	Special Topics in CPE	3

Other Courses require Chair’s approval.

TELECOMMUNICATIONS ENGINEERING

OBJECTIVES

1. To equip students with the necessary background and technical knowledge for the successful practice of telecommunications engineering, including its scientific principles, analysis, and engineering design.
2. To produce graduates who are able to pursue advanced study in the field of telecommunications engineering.
3. To prepare students for professional success with clear communication ability and commitment to ethical and social responsibilities, diversity, lifelong learning, and teamwork.

EDUCATIONAL OUTCOMES

The telecommunications engineering program attempts to instill the following educational outcomes in its graduates:

- a An ability to apply knowledge of mathematics, science, and engineering to the analysis of telecommunications engineering problems.
- b An ability to design and conduct scientific and engineering experiments, as well as to analyze and interpret data.
- c An ability to design a system, component, or process to meet desired needs.
- d An ability to function on multi-disciplinary teams.

- e An ability to identify, formulate and solve telecommunications engineering problems.
- f An understanding of professional and ethical responsibility.
- g An ability to communicate effectively.
- h A broad education necessary to understand the impact of computer engineering solutions in a global, economics, environmental, and societal context.
- i A recognition of the need for, and an ability to engage in, life-long learning.
- j A knowledge of contemporary issues.
- k An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.
- l An understanding of random signals and stochastic processes for analyzing telecommunications systems.

REQUIREMENTS FOR THE MAJOR:

Bachelor of Science: Telecommunications Engineering Majors

FRESHMAN YEAR		F	S
UNIV 100	University Success	2	
MATH 231,			
232	Calculus I and II	3	3
MATL 231,232	Calculus I and II Lab	1	1
HIST 101,102	History of Civilization	3	3
ENG 104,105	Composition	3	3
CHEM 141	General Chemistry I	3	
CHML 141	General Chemistry I Lab	1	
PHY 211	General Physics I		4
PHYL 211	General Physics I Lab		1
(Freshman Year Total: 31 Hours)		16	15

SOPHOMORE YEAR

MATH 233	Calculus III	3	
MATL 233	Calculus III Lab	1	
PHY 212	General Physics II	4	
PHYL 212	General Physics II Lab	1	
EN 220	Circuit Theory	3	
ENL 220	Circuit Theory Lab	1	
EN 252	Engineering Analysis	3	
CSC 118	Programming Fundamentals		3
CSCL 118	Programming Fundamentals Lab		1
EN 212	Digital Logic		3
ENL 212	Digital Logic Lab		1
MATH 368	Ordinary Differential Equation I		3
CPE 351	Signal and Systems		3
MATH 307	Prob & Stat for Engineers		3
(Sophomore Year Total: 33 Hours)		16	17

176 \ JACKSON STATE UNIVERSITY

JUNIOR YEAR

CSC 119	Object-Oriented Programming	3	
CSCL 119	Object-Oriented Programming Lab	1	
CPE 440	Communications Systems	3	
ENG xxx	English Option	3	
CPE 312	Computer Organization	3	
CPE 330	Electronics	3	
CPEL 330	Electronics Lab	1	
CPE 441	Computer Networks	3	
CPE 442	Digital Communications	3	
CPEL 442	Digital Communications Lab	1	
CSC 345	Electromagnetic Fields	3	
EN 222	Engineering Mechanics I	3	
CPE 360	Embedded Microprocessor	3	
CPEL 360	Embedded Microprocessor Lab	1	
(Junior Year Total: 34 Hours)		17	17

SENIOR YEAR

CPE 445	Applied Electromagnetics	3	
SPCH xxx	Speech Option	3	
CPE 490S	Senior Design Project I	3	
EN 355	Engineering Economy	3	
PHIL xxx	Philosophy Option	3	
CPE 491W	Senior Design Project II	3	
CPE xxx	Technical Elective I	3	
CPE xxx	Technical Elective II	3	
ART xxx	Arts & Humanities Option	3	
CPE 446	Wireless Communication	3	
(Senior Year Total: 30 Hours)		15	15

NOTE: Grade "C" or better for all courses

TOTAL HOURS: 128

Technical Electives for Telecommunications Engineering

Majors:

CPE 451	Digital Signal Processing	3
CPE 412	Computer Architecture	3
CPE 447	Telecom Switching and Trans.	3
CPE 355	Control Systems	3
CPE 492	Special Studies in CPE	3
CPE 493	Special Topics in CPE	3

Other Courses require Chair's approval.

SPEECH OPTIONS:

SPCH 201	Speech Arts
SPCH 300	Intro to Organizational Communication
SPCH 334	Argumentation and Debate

SPCH 355	Persuasion
SPCH 430	Small Group Discussion

PHILOSOPHY OPTIONS:

PHIL 308	Aesthetics
PHIL 301	Introduction to Philosophy
PHIL 309	Ethics
PHIL 416	Logic

ART AND HUMANITIES OPTIONS:

ART 206	Art Appreciation
DR 201	Introduction to Drama
ENG 201,202	Humanities
ENG 205	World Literature
FR 101,102	Elementary French
FR 201,202	Intermediate French
FR 213	French Phonetic Reading
MUS 205	Music Appreciation
SP 101,102	Elementary Spanish
SP 201,202	Intermediate Spanish

ENGLISH OPTIONS:

ENG 205	World Literature
ENG 206	Literature of Science
ENG 213	Professional Writing

NOTE: (a) Students who transfer 12 or more hours of college credit are exempt from UNIV 100; (b) Students are required to take the Mathematics Placement Test to determine if they need to take any mathematics courses before taking MATH 231–Calculus I; (c) Students who fail the English Proficiency Examination must register for ENG 399.

DEPARTMENT OF COMPUTER SCIENCE

Dr. Loretta A. Moore, Professor and Chair

OFFICE: John A. Peoples Science Building, Office #237

FACULTY: Associate Professors: W. Brown, T. Haile;
Assistant Professors: A. Abu El Humos, M. Griffin, S. Hong, J. Jackson, X. Liang, N. Meghanathan, G. Offiah, T. Pei, M. Watts; Instructors: V. Bailey, C. Richards-Jordan

The undergraduate major in Computer Science is intended to enable a student to pursue further studies in Computer Science or in related fields of Science, Engineering, and Business and to enter the work force as an entry level computer professional. The program combines a very thorough preparation in the fundamentals of Computer Science and related fields with the opportunity for more advanced work in either Computer Science or Computer Engineering.

ACADEMIC PROGRAMS / 177

OBJECTIVES

The educational objectives of the Program are as follows:

- To develop students' understanding of the concepts and theories of Computer Science.
- To prepare students for graduate study and research and/or entry into the work force as computer professionals.
- To engage faculty and students in meaningful research.
- To promote professional development and growth of faculty.
- To offer computer literacy and introductory Computer Science courses to non-computer science majors.

STUDENT OUTCOMES

Graduates of the Computer Science Department should be able to:

- Demonstrate professional competency in: (1) Programming Fundamentals; (2) Computer Organization, Architecture, Networks, and Operating Systems; and (3) Algorithms, Theory, and Computational Mathematics.
- Analyze, design, implement and present a computerized solution to a real life problem.
- Demonstrate professional competency in oral and written communication.
- Understand social and ethical issues in computing.
- Demonstrate the ability to apply practically the knowledge and skills of their major field in "real world" situations.
- Be prepared for graduate study and/or research careers.

REQUIREMENTS FOR THE MAJOR:

Bachelor of Science: Computer Science Major

FRESHMAN YEAR		F	S
CSC 118	Programming Fundamentals	3	
CSCL 118	Programming Fundamentals Lab	1	
CSC 119	Object-Oriented Programming		3
CSCL 119	Object-Oriented Programming Lab		1
CSC 225	Discrete Structures		3
ENG 104,105	Composition	3	3
UNIV 100	University Success	2	
HIST 101,102	History of Civilization	3	3

MATH 231	Calculus I with Lab	4	
MATH 232	Calculus II with Lab		4
PE xxx	100-Level Activity Sport	1	1

(Freshman Year Total: 35 Hours)

17 18

SOPHOMORE YEAR

BIO 101	Introduction to Biology	2	
BIOL 101	Introduction to Biology Lab	1	
CHEM 141	General Chemistry I		3
CHML 141	General Chemistry I Lab		1
CSC 216	Computer Architecture & Org.		3
CSCL 216	Computer Architecture & Org. Lab		1
CSC 228	Data Structures & Algorithms	3	
CSCL 228	Data Structures & Algorithms Lab	1	
CSC 2xx	Programming Language Elective		3
EN 212	Digital Logic	3	
ENL 212	Digital Logic Lab	1	
ENG 205	World Literature	3	
ENG 213	Professional Writing		3
MATH 233	Calculus III with Lab	4	
MATH 307	Probability&Statistics for Engineers		3

(Sophomore Year Total: 35 Hours)

18 17

JUNIOR YEAR

CSC 312	Advanced Computer Architecture		3
CSC 323	Algorithm Design & Analysis	3	
CSC 325	Operating Systems	3	
CSC 330	Database Systems	3	
CSC 350	Organization of Programming Lang.		3
MFL 101,102	Modern Foreign Language	3	3
PHY 211	General Physics I	4	
PHYL 211	General Physics I Lab	1	
PHY 212	General Physics II		4
PHYL 212	General Physics II Lab		1
SPCH 201	Speech Arts		3

(Junior Year Total: 34 Hours)

17 17

SENIOR YEAR

CSC 435	Computer Networks	3	
CSC 441	Computers and Society (W)	3	
CSC 475	Software Engineering	3	
CSC 450	Senior Project (W)		3
CSC 4xx	Computer Science Elective		3
PHIL 301	Introduction to Philosophy		3
	Humanities & Fine Arts Option	3	
	Social Science Option		3

(Senior Year Total: 24 Hours)

12 12

TOTAL HOURS: 128

178 \ JACKSON STATE UNIVERSITY

NOTE: (1) Students with an ACT English subtest score of 16 or less or who score below 340 (verbal) on the SAT must take ENG 002.

(2) Students with an ACT Mathematics subtest score of 16 or less or who score below 370 (Math) on the SAT must take MATH 004.

(3) Students with an ACT Reading subtest score of 16 or less must take RE 002.

(4) Students may need Pre-Calculus courses if indicated by math assessment score.

(5) Students with no computer exposure must take CSC 115.

(6) Laboratory courses must be taken during the same semester as lecture for Computer Science, Engineering, Mathematics, Biology, Chemistry, and Physics courses.

(7) Students must satisfactorily pass the English Proficiency Examination.

(8) Students must take two semesters of the same foreign language courses. Those students who have two years of the same high school foreign language courses and “C” or better grades in these are exempt from the foreign language requirement.

(9) Students must take the ETS Major Field Examination in Computer Science.

(10) A minimum grade of “C” is required in all Computer Science Courses. Prerequisite courses must be successfully completed before taking the next courses.

THE SCHOOL OF ENGINEERING





SCHOOL OF SCIENCE AND TECHNOLOGY

Dr. Paul Tchounwou, Associate Dean

OFFICE: John A. Peoples Science Building, Room #234

DEPARTMENTS

AEROSPACE STUDIES

BIOLOGY

CHEMISTRY

MATHEMATICS

**PHYSICS, ATMOSPHERIC SCIENCES AND GENERAL
SCIENCE
TECHNOLOGY**

The School of Science and Technology resulted from a merger of the School of Industrial and Technical Studies and the Division of Natural Sciences, previously in the School of Liberal Studies. This reorganization was authorized July 1, 1983, for the purpose of consolidating the scientific and technical resources of the University into an efficiently focused endeavor capable of meeting the demands of the new technology.

The departments comprising the School of Science and Technology are: (1) Department of Aerospace Studies, (2) Department of Biology; (3) Department of Chemistry, (4) Department of Mathematics, (5) Department of Physics, Atmospheric Sciences and General Sciences, and (6) Department of Technology. The School offers 23 degree programs in its various areas leading to the B.S., B.S.E., M.S., M.S.T., Ed.S., and Ph.D. degrees. Additionally, Preprofessional programs (e.g., medicine) can be completed with the B.S. degree in some departments.

Active research programs in all departments are consistently maintained. The School of Science and Technology is also

actively involved in a number of cooperative external programs with national and international institutions designed to enhance student and faculty development. The cooperative programs serve to broaden faculty and student exposure as well as give national and international visibility to Jackson State University.

DEPARTMENT OF AEROSPACE STUDIES

Lt. Colonel Aundra L. Moore, Professor and Chair

**Office: Jackson State University, AFROTC Building
(Faculty Apartments, Suite 11)
1400 John R. Lynch Street, Jackson, MS 39217**

FACULTY: Lt Col Leonard Boothe, Major Monique D. Johnson

OBJECTIVES

The Aerospace Studies Program provides an opportunity for students to earn a commission in the United States Air Force while working toward an academic degree simultaneously. Skills that are the cornerstone of leadership excellence such as confidence, self-esteem, motivation, leadership and fellowship, creative thinking, self-discipline, team building, and decision-making are taught in the Air Force Reserve Officers Training Corps (AFROTC) Program. Upon completing the AFROTC Program and all requirements for an academic degree, students can achieve their goal of a degree in their chosen academic field and a presidential commission as an Air Force Second Lieutenant. The objectives of the program are:

180 \ JACKSON STATE UNIVERSITY

- To produce the future officer leadership of the U.S. Air Force.
- To provide an introduction to the Air Force Reserve Officers Training Corps and the Air Force...how they're organized, how they work.
- To provide first-year cadets an informative and motivational program designed to recruit, retain, and familiarize them with the Air Force way of life and foster leadership, followership, teamwork, and esprit de corps.
- To provide cadets scheduled to attend field training with the mental and physical skills needed to succeed in the AFROTC field training environment.
- To provide cadets returning from field training sufficient opportunities to demonstrate and develop the leadership and management skills needed to successfully function as an active duty officer.
- To provide cadets to be commissioned additional opportunities to demonstrate and develop the leadership and management skills needed to successfully function as an active duty officer and to adequately prepare them to transition from the ROTC environment to active duty.

The topics covered include the history and structure of the US Air Force, the Air Force's capabilities, career opportunities, benefits, Air Force installations, core values, leadership, managing diversity, teambuilding, communications skills, general aspects of air and space power through a historical perspective, the national security process, regional studies, advanced leadership ethics, and Air Force doctrine. A separate Leadership Laboratory is a mandatory requirement for all cadets.

The Air Force ROTC Program is divided into the General Military Course (GMC) during the freshman and sophomore years and the Professional Officer Course (POC) for the remaining two years of college. Those students who join the program with two years of college remaining must attend a five-week summer field training period during their sophomore and junior years. Four-year cadets participate in a four-week training period during the summer between their sophomore and junior years.

Aerospace Studies

FRESHMAN YEAR		F	S
AS 101	Fndtns of the U.S. Air Force I	1	
ASL 101	Leadership Laboratory	1	
AS 102	Fndtns of the U.S. Air Force II		1
ASL 102	Leadership Laboratory		1
(Freshman Year Total: 4 Hours)		<u>2</u>	<u>2</u>

SOPHOMORE YEAR

AS 201	Evolutn of USAF Air&Space Power	1	
ASL 201	Leadership Laboratory	1	
AS 202	Evolutn of USAF Air&Space Power		1
ASL 202	Leadership Laboratory		1
(Sophomore Year Total: 4 Hours)		<u>2</u>	<u>2</u>

JUNIOR YEAR

AS 301	Air Force Leadership Studies	3	
ASL 301	Leadership Laboratory	1	
AS 302	Air Force Leadership Studies		3
ASL 302	Leadership Laboratory		1
(Junior Year Total: 8 Hours)		<u>4</u>	<u>4</u>

SENIOR YEAR

AS 401	National Security Affairs & Preparation For Active Duty	3	
ASL 401	Leadership Laboratory	1	
AS 402	National Security Affairs & Preparation for Active Duty		3
ASL 402	Leadership Laboratory		1
(Senior Year Total: 8 Hours)		<u>4</u>	<u>4</u>

DEPARTMENT OF BIOLOGY

Dr. Gregorio Begonia, Professor and Interim Chair
OFFICE: John A. Peoples Science Building, Room #335

FACULTY: Professors G. Begonia, M. Begonia, J. Cameron, S. Ekunwe, I. Farah, M. Hardy, H. Hwang, E. Izevbigie, A. Mohamed, P. Tchounwou; Associate Professors C. Buckley, C. Howard, R. Isokpehi, R. Kafoury, J. Stevens, B. Wilson; Assistant Professors W. Ayensu, H. Cho, H. Cohly, B. Graham, AK. Ndebele, A. Patlola, D. Sobolev, D. Sutton; Instructors L. Drummond, J. Yang

OBJECTIVES

The objectives of the Department of Biology are as follows:

- To develop the students' understanding of the basic biological principles.
- To help students think logically and communicate clearly.

ACADEMIC PROGRAMS / 181

- To help students become conscious of social problems especially those relevant to the life sciences.
- To prepare students for careers in the life sciences, teaching, and graduate studies.
- To provide a strong pre-professional foundation for medicine, dentistry, veterinary medicine, pharmacy, optometry, physical therapy, dental hygiene, medical technology, nursing and medical records administration.
- To engage in basic and applied research that benefits the local and scientific community;
- To offer introductory biology courses to non-biology majors in order to fulfill their general education requirements.

The Bennye Simmons Henderson Biology Book Award

The purpose of this award is to purchase Biology textbooks. This award of \$200 is only for Biology majors who are full-time students with sophomore or junior status with at least a 2.8 G.P.A. This award is given once each semester.

Bachelor of Science: Biology Major

FRESHMAN YEAR		F	S
BIO 111	General Biology I	3	
BIOL 111	General Biology Lab	1	
BIO 112	General Biology II		3
BIOL 112	General Biology II Lab		1
BIO 114	Intro to Marine/Env. Science		2
CHEM 141	General Chemistry I	3	
CHML 141	General Chemistry Lab	1	
CHEM 142	General Chemistry II		3
CHML 142	General Chemistry II Lab		1
MATH 111	Algebra	3	
MATH 112	Trigonometry		3
ENG 104,105	Composition	3	3
UNIV 100 ^a	University Success	2	
(Freshman Year Total: 32 Hours)		<hr/> 16	<hr/> 16

SOPHOMORE YEAR

BIO 119	General Botany	3	
BIOL 119	General Botany Lab	1	
BIO 115	General Zoology		3
BIOL 115	General Zoology Lab		1
BIO 390W	Seminar	1	

BIO 392S	Independent Study		2
CHEM 241	Organic Chemistry I	3	
CHML 241	Organic Chemistry Lab I	1	
CHEM 242	Organic Chemistry II		3
CHML 242	Organic Chemistry Lab II		1
MATH 231	Calculus I	3	
MATL 231	Calculus I Lab	1	
ENG 205	World Literature	3	
ART xxx ^b	Fine Arts Option		3
SPCH xxx ^c	Speech Option		3

(Sophomore Year Total: 32 Hours)	<hr/> 16	<hr/> 16
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JUNIOR YEAR

BIO 313	Microbiology	3	
BIOL 313	Microbiology Lab	1	
BIO 318	Genetics		3
BIOL 318	Genetics Lab		1
PHY 201	Basis Physics I	3	
PHYL 201	Basic Physics I Lab	1	
PHY 202	Basic Physics II		3
PHY 202	Basic Physics II Lab		1

PE 101,102 ^d	Physical Education Option	1	1
FLG 101,102 ^e	Modern Foreign Language Option	3	3
HIST 101,102	History of Civilization	3	3

(Junior Year Total: 30 Hours)	<hr/> 15	<hr/> 15
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SENIOR YEAR

BIO 440	Cell Biology		3
BIOL 440	Cell Biology Lab		1
BIO 470W	Human Physiology	3	
BIOL 470	Human Physiology Lab	1	
CSC 115	Digital Computer Principles		3
SS xxx ^f	Social Science Option	3	
PHIL xxx ^e	Philosophy Option	3	
BIO xxx ^h	Biology Electives	4	4
ELEC xxx ⁱ	General Electives	2	3

(Senior Year Total: 30 Hours)	<hr/> 16	<hr/> 14
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TOTAL HOURS: 124

- Students scoring a subscore below 16 in English on the ACT will be placed in ENG 002.
- Students scoring a subscore below 16 in Mathematics on the ACT will be placed in MATH 004.

CORE OPTIONS

^a Students who transfer 12 or more hours of college credit are exempt from UNIV 100.

182 \ JACKSON STATE UNIVERSITY

- ^b ART 206, MUS 205, DR 201, ENG 201, or ENG 202 may be taken.
- ^c SPCH 201, 216, 334, 335, or 430 may be taken.
- ^d HE 101 (3 credit hours) may be taken in place of PE 101 (1 credit hour) and PE 102 (1 credit hour).
- ^e Students who have completed two years of a single foreign language in high school with grades of "C" or better are exempt from the foreign language requirements..
- ^f SS 201, SS 202, GEOG 105, GEOG 209, SOC 214, SOC 325, PS 334, PS 335, PS 336, ECO 211, ECO 212, PSY 111, PSY 112, or PSY 201 may be taken.
- ^g PHIL 301, 308, 309, or 416 may be taken.
- ^h BIO 202, 218, 236, 380, 390, 404, 406, 409, 423, 425, 441, 443, 450, or 475 may be taken.
- ⁱ Students may not take Biology, Math, Chemistry, or Physics for a general elective.

NOTE: Laboratory courses must be taken during the same semester as lecture for biology, chemistry, and physics courses unless approved by the department chair.

Bachelor of Science: Biology Major (Pre-Medicine, Pre-Veterinary, Pre-Dentistry or Pre-Optometry Concentration)

FRESHMAN YEAR		F	S
BIO 111	General Biology I	3	
BIOL 111	General Biology Lab	1	
BIO 112	General Biology II		3
BIOL 112	General Biology II Lab		1
BIO 114	Intro to Marine/Env. Science		2
CHEM 141	General Chemistry I	3	
CHML 141	General Chemistry Lab	1	
CHEM 142	General Chemistry II		3
CHML 142	General Chemistry II Lab		1
MATH 111	Algebra	3	
MATH 112	Trigonometry		3
ENG 104,105	Composition	3	3
UNIV 100 ^a	University Success	2	
(Freshman Year Total: 32 Hours)		16	16

SOPHOMORE YEAR

BIO 119	General Botany		3
BIOL 119	General Botany Lab		1
BIO 218	Comparative Anatomy	3	
BIOL 218	Comparative Anatomy Lab	1	
BIO 390W	Seminar in Biology		1
CHEM 241	Organic Chemistry I	3	
CHML 241	Organic Chemistry Lab I	1	
CHEM 242	Organic Chemistry II		3
CHML 242	Organic Chemistry Lab II		1
MATH 231	Calculus I	3	
MATL 231	Calculus I Lab	1	
ENG 205	World Literature	3	
ART xxx ^b	Fine Arts Option		3
SPCH xxx ^c	Speech Option		3
(Sophomore Year Total: 30 Hours)		15	15

JUNIOR YEAR

BIO 318W	Genetics		3
BIOL 318	Genetics Lab		1
BIO 392S	Independent Study	2	
PHY 201	Basis Physics I	3	
PHYL 201	Basic Physics I Lab	1	
PHY 202	Basic Physics II		3
PHYL 202	Basic Physics II Lab		1
PE 101,102 ^d	Physical Education Option	1	1
FLG 101,102 ^e	Modern Foreign Language Option	3	3
HIST 101,102	History of Civilization	3	3
CSC 115	Digital Computer Principles	3	
(Junior Year Total: 31 Hours)		16	15

SENIOR YEAR

BIO 313	Introduction to Microbiology	3	
BIOL 313	Introduction to Microbiology Lab	1	
BIO 440	Cell Biology		3
BIOL 440	Cell Biology Lab		1
BIO 470W	Human Physiology	3	
BIOL 470	Human Physiology Lab	1	
PSY 201	General Psychology	3	
SS xxx ^f	Social Science Option		3
PHIL xxx ^e	Philosophy Option		3
BIO xxx ^h	Biology Electives	4	4
ELEC xxx ⁱ	General Elective		2
(Senior Year Total: 31 Hours)		15	16

TOTAL HOURS: 124

- Students scoring a subscore below 16 in English on the ACT will be placed in ENG 002.

- Students scoring a subscore below 16 in Mathematics on the ACT will be placed in MATH 004.

CORE OPTIONS

- ^a Students who transfer 12 or more hours of college credit are exempt from UNIV 100.
- ^b ART 206, MUS 205, DR 201, ENG 201, or ENG 202 may be taken.
- ^c SPCH 201, 216, 334, 335, or 430 may be taken.
- ^d HE 101 (3 credit hours) may be taken in place of PE 101 (1 credit hour) and PE 102 (1 credit hour).
- ^e Students who have completed two years of a single foreign language in high school with grades of "C" or better are exempt from the foreign language requirements..
- ^f SS 201, SS 202, GEOG 105, GEOG 209, SOC 214, SOC 325, PS 334, PS 335, PS 336, ECO 211, ECO 212, PSY 111, PSY 112, or PSY 201 may be taken.
- ^g PHIL 301, 308, 309, or 416 may be taken.
- ^h BIO 202, 236, 380, 404, 406, 409, 423, 425, 441, 443, 450, 475, 476, or 491 may be taken.
- ⁱ Students may not take Biology, Math, Chemistry, or Physics for a general elective.

NOTE: Laboratory courses must be taken during the same semester as lecture for biology, chemistry, and physics courses unless approved by the department chair.

**Bachelor of Science: Biology Major
(Pre-Pharmacy Concentration)**

FRESHMAN YEAR

	F	S
BIO 111	General Biology I	3
BIOL 111	General Biology Lab	1
BIO 112	General Biology II	3
BIOL 112	General Biology II Lab	1
BIO 114	Intro to Marine/Env. Science	2
CHEM 141	General Chemistry I	3
CHML 141	General Chemistry Lab	1
CHEM 142	General Chemistry II	3
CHML 142	General Chemistry II Lab	1
MATH 111	Algebra	3

MATH 112	Trigonometry	3	
ENG 104,105	Composition	3	3
UNIV 100 ^a	University Success	2	

(Freshman Year Total: 32 Hours)

16	16
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SOPHOMORE YEAR

BIO 119	General Botany	3	
BIOL 119	General Botany Lab	1	
BIO 234	Human Anatomy & Physiology I	3	
BIOL 234	Human Anatomy & Physiology I Lab	1	
BIO 235	Human Anatomy & Physiology II		3
BIOL 235	Human Anatomy & Physiology II Lab		1
BIO 390W	Seminar in Biology	1	
CHEM 241	Organic Chemistry I	3	
CHML 241	Organic Chemistry I Lab	1	
CHEM 242	Organic Chemistry II		3
CHML 242	Organic Chemistry II Lab		1
MATH 231	Calculus I		3
MATL 231	Calculus I Lab		1
ENG 205	World Literature	3	
ART xxx ^b	Fine Arts Option		3

(Sophomore Year Total: 31 Hours)

16	15
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JUNIOR YEAR

BIO 313	Microbiology	3	
BIOL 313	Microbiology Lab	1	
BIO 318W	Genetics		3
BIOL 318	Genetics Lab		1
PHY 201	Basis Physics I	3	
PHYL 201	Basic Physics I Lab	1	
PHY 202	Basic Physics II		3
PHYL 202	Basic Physics II Lab		1
FLG 101,102 ^c	Modern Foreign Language Option	3	3
HIST 101,102	History of Civilization	3	3
	Statistics Option ^d	3	
BIO 392S	Independent Study		2

(Junior Year Total: 33 Hours)

17	16
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SENIOR YEAR

BIO 440	Cell Biology	3	
BIOL 440	Cell Biology Lab	1	
PE 101,102 ^e	Physical Education Option	1	1
CSC 115	Digital Computer Principles	3	
PHIL xxx ^f	Philosophy Option		3
SS xxx ^c	Social Science Option		3
SPCH xxx ^h	Speech Option	3	
ECO xxx ⁱ	Economics Option		3
BIO xxx ^j	Biology Electives	3	4

184 \ JACKSON STATE UNIVERSITY

(Senior Year Total: 28 Hours) 14 14

TOTAL HOURS: 124

- Students scoring a subscore below 16 in English on the ACT will be placed in ENG 002.
- Students scoring a subscore below 16 in Mathematics on the ACT will be placed in MATH 004.

CORE OPTIONS

- ^a Students who transfer 12 or more hours of college credit are exempt from UNIV 100.
- ^b ART 206, MUS 205, DR 201, ENG 201, or ENG 202 may be taken.
- ^c Students who have completed two years of a single foreign language in high school with grades of “C” or better are exempt from the foreign language requirements.
- ^d BIO 202 or MATH 271 may be taken.
- ^e HE 101 (3 credit hours) may be taken in place of PE 101 (1 credit hour) and PE 102 (1 credit hour).
- ^f PHIL 301, 308, 309, or 416 may be taken.
- ^g SS 201, SS 202, GEOG 105, GEOG 209, SOC 214, SOC 325, PS 334, PS 335, PS 336, ECO 211, ECO 212, PSY 111, PSY 112, or PSY 201 may be taken.
- ^h SPCH 201, 216, 334, 335, or 430 may be taken.
- ⁱ ECO 211 or ECO 212 may be taken.
- ^j BIO 218, 236, 380, 390, 404, 406, 409, 423, 425, 441, 443, 450, or 475 may be taken.

NOTE: Laboratory courses must be taken during the same semester as lecture for biology, chemistry, and physics courses unless approved by the department chair.

Bachelor of Science: Biology Major (Environmental Science Concentration)

FRESHMAN YEAR

	F	S
BIO 111 General Biology I	3	
BIOL 111 General Biology Lab	1	
BIO 112 General Biology II		3
BIOL 112 General Biology II Lab		1
BIO 114 Intro to Marine/Env. Science		2

CHEM 141 General Chemistry I	3	
CHML 141 General Chemistry Lab	1	
CHEM 142 General Chemistry II		3
CHML 142 General Chemistry II Lab		1
MATH 111 Algebra	3	
MATH 112 Trigonometry		3
ENG 104,105 Composition	3	3
UNIV 100 ^a University Success	2	

(Freshman Year Total: 32 Hours) 16 16

SOPHOMORE YEAR

BIO 119 General Botany	3	
BIOL 119 General Botany Lab	1	
BIO 115 General Zoology		3
BIOL 115 General Zoology Lab		1
BIO 201 Environmental Science		3
BIOL 201 Environmental Science Lab		1
CHEM 241 Organic Chemistry I	3	
CHML 241 Organic Chemistry I Lab	1	
CHEM 242 Organic Chemistry II		3
CHML 242 Organic Chemistry II Lab		1
PE 101,102 ^b Physical Education Option	1	1
HIST 101,102 History of Civilization	3	3
ENG 205 World Literature	3	

(Sophomore Year Total: 31 Hours) 15 16

JUNIOR YEAR

BIO 313 Microbiology	3	
BIOL 313 Microbiology Lab	1	
BIO 318W Introduction to Genetics		3
BIOL 318 Introduction to Genetics Lab		1
BIO 390W Seminar in Biology		1
BIO 391W Introduction to Research	2	
PHY 201 Basis Physics I	3	
PHYL 201 Basic Physics I Lab	1	
PHY 202 Basic Physics II		3
PHYL 202 Basic Physics II Lab		1
FLG 101,102 ^c Modern Foreign Language Option	3	3
ART xxx ^d Fine Arts Option	3	
SPCH xxx ^e Speech Option		3

(Junior Year Total: 31 Hours) 16 15

SENIOR YEAR

BIO 392S Independent Study	2	
BIO 412 Natl Resources & Conservation		3
BIOL 412 Natl Resources & Conservation Lab		1
CSC 115 Digital Computer Principles	3	
MATH 231 Calculus I		3

ACADEMIC PROGRAMS / 185

MATL 231	Calculus I Lab		1
PSY 201	General Psychology	3	
PHIL xxx ^f	Philosophy Option		3
SS xxx ^c	Social Science Option	3	
BIO xxx ^h	Environmental Science Electives	4	4

(Senior Year Total: 30 Hours)		<u>15</u>	<u>15</u>
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TOTAL HOURS: 124

- Students scoring a subscore below 16 in English on the ACT will be placed in ENG 002.
- Students scoring a subscore below 16 in Mathematics on the ACT will be placed in MATH 004.

CORE OPTIONS

^a Students who transfer 12 or more hours of college credit are exempt from UNIV 100.

^b HE 101 (3 credit hours) may be taken in place of PE 101 (1 credit hour) and PE 102 (1 credit hour).

^c Students who have completed two years of a single foreign language in high school with grades of “C” or better are exempt from the foreign language requirements.

^d ART 206, MUS 205, DR 201, ENG 201, or ENG 202 may be taken.

^e SPCH 201, 216, 334, 335, or 430 may be taken.

^f PHIL 301, 308, 309, or 416 may be taken.

^g SS 201, SS 202, GEOG 105, GEOG 209, SOC 214, SOC 325, PS 334, PS 335, PS 336, ECO 211, ECO 212, PSY 111, or PSY 112 may be taken.

^h BIO 202, 218, 236, 404, 414, 423, 425, 431, 433, 450, 480, 481 or 550 may be taken.

NOTE: Laboratory courses must be taken during the same semester as lecture for biology, chemistry, and physics courses unless approved by the department chair.

Bachelor of Science: Biology Major (Marine Science Concentration)

FRESHMAN YEAR

	F	S
BIO 111	General Biology I	3
BIOL 111	General Biology Lab	1
BIO 112	General Biology II	3
BIOL 112	General Biology II Lab	1
BIO 114	Intro to Marine/Env. Science	2

CHEM 141	General Chemistry I	3
CHML 141	General Chemistry Lab	1
CHEM 142	General Chemistry II	3
CHML 142	General Chemistry II Lab	1
MATH 111	Algebra	3
MATH 112	Trigonometry	3
ENG 104,105	Composition	3
UNIV 100 ^a	University Success	2

(Freshman Year Total: 32 Hours)	<u>16</u>	<u>16</u>
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SOPHOMORE YEAR

BIO 119	General Botany	3
BIOL 119	General Botany Lab	1
BIO 218	Comparative Anatomy	3
BIOL 218	Comparative Anatomy Lab	1
BIO 390W	Seminar in Biology	1
CHEM 241	Organic Chemistry I	3
CHML 241	Organic Chemistry I Lab	1
CHEM 242	Organic Chemistry II	3
CHML 242	Organic Chemistry II Lab	1
MATH 231	Calculus I	3
MATL 231	Calculus I Lab	1
ENG 205	World Literature	3
ART xxx ^b	Fine Arts Option	3

(Sophomore Year Total: 27 Hours)	<u>15</u>	<u>12</u>
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JUNIOR YEAR

BIO 313	Microbiology	3
BIOL 313	Microbiology Lab	1
BIO 318W	Introduction to Genetics	3
BIOL 318	Introduction to Genetics Lab	1
BIO 304	Marine Science	2
PHY 201	Basis Physics I	3
PHYL 201	Basic Physics I Lab	1
PHY 202	Basic Physics II	3

PHYL 202	Basic Physics II Lab	1
PE 101,102 ^c	Physical Education Option	1
FLG 101,102 ^d	Modern Foreign Language Option	3
HIST 101,102	History of Civilization	3
PHIL xxx ^e	Philosophy Option	3

(Junior Year Total: 35 Hours)	<u>18</u>	<u>17</u>
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SENIOR YEAR

BIO 392S	Independent Study	2
BIO 436W	Marine Botany	3
BIOL 436	Marine Botany Lab	1
CSC 115	Digital Computer Principles	3
SS xxx ^f	Social Science Option	3
SPCH xxx ^c	Speech Option	3

186 \ JACKSON STATE UNIVERSITY

BIO xxx ^h	Marine Science Electives	4	4
ELEC xxx ⁱ	General Electives	3	
(Senior Year Total:30 Hours)		<u>16</u>	<u>14</u>

TOTAL HOURS: 124

- Students scoring a subscore below 16 in English on the ACT will be placed in ENG 002.
- Students scoring a subscore below 16 in Mathematics on the ACT will be placed in MATH 004.

CORE OPTIONS

- ^a Students who transfer 12 or more hours of college credit are exempt from UNIV 100.
- ^b ART 206, MUS 205, DR 201, ENG 201, or ENG 202 may be taken.
- ^c HE 101 (3 credit hours) may be taken in place of PE 101 (1 credit hour) and PE 102 (1 credit hour).
- ^d Students who have completed two years of a single foreign language in high school with grades of "C" or better are exempt from the foreign language requirements BIO 202 or MATH 271 may be taken.
- ^e PHIL 301, 308, 309, or 416 may be taken.
- ^f SS 201, SS 202, GEOG 105, GEOG 209, SOC 214, SOC 325, PS 334, PS 335, PS 336, ECO 211, ECO 212, PSY 111, PSY 112, or PSY 201 may be taken.
- ^g SPCH 201, 216, 334, 335, or 430 may be taken.
- ^h BIO 202, 236, 412, 414, 425, 431, 433, 434, 438, 450, 480, 481, or 550 may be taken.
- ⁱ Students may not take Biology, Math, Chemistry, or Physics for a general elective.

NOTE: Laboratory courses must be taken during the same semester as lecture for biology, chemistry, and physics courses unless approved by the department chair.

Bachelor of Science: Biology Major (Pre-Physical Therapy Concentration)

FRESHMAN YEAR		F	S
BIO 111	General Biology I	3	
BIOL 111	General Biology Lab	1	

BIO 112	General Biology II		3
BIOL 112	General Biology II Lab		1
CHEM 141	General Chemistry I	3	
CHML 141	General Chemistry Lab	1	
CHEM 142	General Chemistry II		3
CHML 142	General Chemistry II Lab		1
MATH 111	Algebra	3	
MATH 112	Trigonometry		3
ENG 104,105	Composition	3	3
PE 101,102 ^a	Physical Education Option	1	1
UNIV 100 ^b	University Success	2	

(Freshman Year Total: 32 Hours) 17 15

SOPHOMORE YEAR

BIO 119	General Botany	3	
BIOL 119	General Botany Lab	1	
BIO 202	Elementary Biostatistics		3
BIO 218	Comparative Anatomy		3
BIOL 218	Comparative Anatomy Lab		1
CHEM 241	Organic Chemistry I	3	
CHML 241	Organic Chemistry I Lab	1	
CHEM 242	Organic Chemistry II		3
CHML 242	Organic Chemistry II Lab		1
MATH 231	Calculus I	3	
MATL 231	Calculus I Lab	1	
HIST 101,102	History of Civilization	3	3
ENG 205	World Literature		3

(Sophomore Year Total: 32 Hours) 15 17

JUNIOR YEAR

BIO 318W	Introduction to Genetics	3	
BIOL 318	Introduction to Genetics Lab	1	
BIO 390W	Seminar in Biology	1	
BIO 392S	Independent Study		2
PHY 201	Basis Physics I	3	
PHYL 201	Basic Physics I Lab	1	
PHY 202	Basic Physics II		3
PHYL 202	Basic Physics II Lab		1
PSY 111,112	Introduction to Psychology	3	3
FLG 101,102 ^c	Modern Foreign Language Option	3	3
PHIL xxx ^d	Philosophy Option		3

(Junior Year Total: 30 Hours) 15 15

SENIOR YEAR

BIO 234	Human Anatomy & Physiology I	3	
BIOL 234	Human Anatomy & Physiology I Lab	1	
BIO 235	Human Anatomy & Physiology II		3
BIOL 235	Human Anatomy & Physiology II Lab		1
BIO 313	Introduction to Microbiology	3	

BIOL 313	Introduction to Microbiology Lab	1	
PSY 201	General Psychology	3	
CSC 115	Digital Computer Principles	3	
PSY 216	Abnormal Psychology		3
SOC 214	Introduction to Sociology		3
ART xxx ^e	Fine Arts Option		3
SPCH xxx ^f	Speech Option		3

(Senior Year Total:30 Hours)		<u>14</u>	<u>16</u>
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TOTAL HOURS: 124

- Students scoring a subscore below 16 in English on the ACT will be placed in ENG 002.
- Students scoring a subscore below 16 in Mathematics on the ACT will be placed in MATH 004.

CORE OPTIONS

- ^a HE 101 (3 credit hours) may be taken in place of PE 101 (1 credit hour) and PE 102 (1 credit hour).
- ^b Students who transfer 12 or more hours of college credit are exempt from UNIV 100.
- ^c Students who have completed two years of a single foreign language in high school with grades of “C” or better are exempt from the foreign language requirements BIO 202 or MATH 271 may be taken.
- ^d PHIL 301, 308, 309, or 416 may be taken.
- ^e ART 206, MUS 205, DR 201, ENG 201, or ENG 202 may be taken.
- ^f SPCH 201, 216, 334, 335, or 430 may be taken.

NOTE: Laboratory courses must be taken during the same semester as lecture for biology, chemistry, and physics courses unless approved by the department chair.

Other Prerequisite Requirements:

Provide evidence of observation in a minimum of two physical therapy clinical departments or practices for a total of 40 hours (additional hours and sites recommended).

Clinical Training (2 Years):

An additional two (2) years of clinical training is required for the M.S. degree in Physical Therapy at an accredited health professional school.

PRE-PROFESSIONAL HEALTH CAREERS PROGRAM

In an affirmative action to eliminate some of the inequities experienced by ethnic minorities seeking employment in the

health delivery system, Jackson State University has established a Pre-professional Health Careers (PHC) Program. The PHC Program is a University-wide “umbrella plan,” with the following primary objectives:

- To identify and recruit individuals with the potential to pursue professional health careers.
- To provide students with information and counseling pertinent to prerequisite academic training for professional health careers.
- To place trainees in professional health programs and graduate schools.

Students presently enrolled at Jackson State University and pursuing degrees in the Natural Sciences, Social Sciences, Humanities, Education, Business, Mathematics, or Technology may simultaneously satisfy the prerequisite requirements for any of several professional health careers. Excellent employment opportunities at attractive salaries are available in virtually all of the health specialties throughout the United States. An abbreviated list of health professions is given below:

Medicine	Medical Technology
Dentistry	Public Health Education
Nursing	Physical Therapy
Pharmacy	Manual Arts Therapy
Veterinary Medicine	Speech Pathology
Optometry	Clinical Psychology
Medical Writing	Medical Illustration
Medical Records Administration	Biostatistics

The Pre-professional Health Careers Program has several special programs funded by federal and private agencies. They are: Minority High School Student Research Apprentice Program (NIH); Health Careers Opportunity Training Program Consortium-JSU-UMC (DHHS); Podiatric Medicine Program; Allied Health Pre-Entry Program (AHPP); and Research and Engineering Apprentice Program (REAP).

For further information, contact: Office of Pre-professional Health Careers; College of Science, Engineering and Technology; Jackson State University; Jackson, Mississippi 39217.

DEPARTMENT OF CHEMISTRY

Dr. Hongtao Yu, Professor and Chair

OFFICE: John A. Peoples Science Building, Room #414

FACULTY: Professors K. Lee, J. Leszczynski, Y. Liu, E. Noe, J. Perkins, H. Tachikawa, J. Watts, H. Yu, J. Zubkowski; Associate Professors Z. Arslan, N. Campbell,

A. Hamme, G. Hill, M. Huang, P. Ray, R. Venkatraman;
Assistant Professors J. Choi, R. Gao, A. Hossain; Professor
Emeritus R. Sullivan

MISSION

To provide quality education to its diverse undergraduate and graduate students in fundamental, applied, and interdisciplinary areas of the chemical sciences. To carry out corresponding research activities leading to scientific discovery by its faculty, research personnel, and students. To use chemistry knowledge and technology to serve its surrounding and international communities.

OBJECTIVES

- To provide students with high quality educational programs with knowledge necessary for success in graduate school, professional school, and industrial or government entities.
- To maintain excellent research programs.
- To provide services to the community and the state.
- To promote the professional growth and development of the faculty.

The Department of Chemistry offers the Bachelor of Science degree with American Chemical Society Certification with concentrations in Biomedical Science, Environmental Science, and Forensic Science. Pre-professional programs in pre-medicine, pre-dentistry, pre-pharmacy, and pre-chemical engineering may be completed within the Bachelor of Science degree.

PROGRAM OUTCOMES

JSU Chemistry graduates will have:

- Outcome A:** the ability to apply basic chemistry knowledge in all five modern chemistry areas to identify, formulate, and solve chemistry problems.
- Outcome B:** the ability to design and conduct chemistry experiments, as well as to analyze and interpret data and results in qualitative and quantitative terms.
- Outcome C:** the broad education necessary to understand the contemporary issues and impact of the chemical sciences in global, economic, environmental, and societal contexts.
- Outcome D:** the ability to research chemistry topics, write research reports, and give oral and poster presentations on that topic.
- Outcome E:** the foundation of chemistry knowledge to perform satisfactorily on national standardized tests including pre-professional tests.

- Outcome F:** the ability to communicate effectively through written work and oral presentations.
- Outcome G:** the ability to function on multi-disciplinary teams.
- Outcome H:** recognition of the need for, and an ability to engage in life-long learning.
- Outcome I:** the ability to apply basic knowledge of mathematics, biology and physics in situations encountered by a chemist.
- Outcome J:** the ability to appreciate new discoveries in chemical aspects of medicinal, health, environmental, and life sciences.
- Outcome K:** an understanding of professional and ethical responsibility.

REQUIREMENTS FOR THE MAJOR:

Bachelor of Science (Certified by the American Chemical Society–124 hours)*

FRESHMAN YEAR		F	S
CHEM 141,142	General Chemistry I and II	3	3
CHML 141,142	General Chemistry I and II Lab	1	1
ENG 104,105	Composition	3	3
BIO 111	General Biology	3	
BIOL 111	General Biology Lab	1	
CSC 115	Digital Computer Principles		3
UNIV 100	University Success	2	
MATH 231	Calculus I		3
MATL 231	Calculus I Lab		1
HIST 101,102	History of Civilization	3	3
(Freshman Year Total: 33 Hours)		16	17

SOPHOMORE YEAR

CHEM 241,242	Organic Chemistry	3	3
CHML 241,242	Organic Chemistry Lab	1	1
MATH 232	Calculus II	3	
CHEM 243	Qualitative Org. Analysis		2
CHML 243	Qualitative Org. Analysis Lab		1
MATH 232	Calculus II	3	
MATL 232	Calculus II Lab	1	
PHY 211,212	General Physics I and II	4	4
PHYL 211,212	General Physics I and II Lab	1	1
ENG 205	World Literature		3
PE xxx	Physical Education Options	1	1
(Sophomore Year Total: 30 Hours)		14	16

JUNIOR YEAR

CHEM 320	Analytical Chemistry	3	
CHML 320	Analytical Chemistry Lab	1	

CHEM 310	Introduction Scientific Research	2	
CHEM 340	Inorganic Chemistry I	3	
CHML 340	Inorganic Chemistry I Lab	1	
CHEM 341,342	Physical Chemistry I and II	3	3
CHML 341,342	Physical Chemistry I and II Lab	1	1
CHEM 381,382	Chemistry Seminar	.5	.5
MFL 101,102	Modern Foreign Language	3	3
MATH 233	Calculus III	3	
MATL 233	Calculus III Lab	1	
SPCH xxx	Speech Option		3

(Junior Year Total: 32 Hours) 15.5 16.5

SENIOR YEAR

CHEM 380	Independent Study	1	1
CHEM 421	Instrumentation	3	
CHML 421	Instrumentation Lab	1	
CHEM 431	Biochemistry	3	
CHML 431	Biochemistry Lab	1	
CHEM 481,482	Chemistry Seminar	.5	.5
CHEM xxx	Advanced Chemistry Course	3	3
PHIL xxx	Philosophy Option	3	
ART xxx	Humanities/Fine Arts Option		3
SS xxx	Social/Behavioral Science Option	3	
Elective	Elective Option		3

(Senior Year Total: 29 Hours) 14.5 14.5

TOTAL HOURS: 124

*Students are qualified to obtain a minor in biology.

*Other Requirements: Standardized Test (GRE, MCAT, MFT, etc.), Research Report, and Research Presentation

Advanced Chemistry Courses: Two (2) of the following courses: CHEM 731 (Advanced Biochemistry), CHEM 736 (Physical Organic), CHEM 738 (Organic Synthesis), CHEM 741 (Advanced Inorganic Chemistry), CHEM 758 (Quantum Chemistry), ENV 701 (Environmental Chemistry).

CORE II OPTIONS: (All students must complete)

- A. Social/Behavioral Science: SS 201, 202, SOC 214, 325, 335, PS 334, 335, 336, GEOG 105, 209, ECO 211, or 212.
- B. Fine Arts/Humanities: ART 206, DR 201, MUS 205, ENG 201H, or 202H.
- C. Speech Options: SPCH 201, 216, 300, 334, 335, or 430.
- D. Philosophy Options: PHIL 301, 308, 309, or 416, MNGT 482, SW 210.

Bachelor of Science in Chemistry
Pre-Medical, Pre-Dental, Pre-Pharmacy (124 Hours)

FRESHMAN YEAR		F	S
CHEM 141,142	General Chemistry	3	3
CHML 141,142	General Chemistry Lab	1	1
ENG 104,105	Composition & Literature	3	3
BIO 111,112	General Biology	3	3
BIOL 111,112	General Biology Lab	1	1
HIST 101,102	History of Civilization	3	3
UNIV 100	University Success	2	
CSC 115	Digital Computer Principles		3

(Freshman Year Total: 33 Hours) 16 17

SOPHOMORE YEAR

CHEM 241,242	Organic Chemistry	3	3
CHML 241,242	Organic Chemistry Lab	1	1
MATH 231,232	Calculus I and II	3	3
MATL 231,232	Calculus I and II Labs	1	1
BIO 234,235	Hum. Anatomy & Physiology I & II	3	3
BIOL 234,235	Hum Anat & Physiology I & II Lab	1	1
SPCH xxx	Speech Option	3	
MATH 271	Elementary Statistics		3
PE xxx	Physical Education Option		1

(Sophomore Year Total: 31 Hours) 15 16

JUNIOR YEAR

CHEM 320	Analytical Chemistry	3	
CHML 320	Analytical Chemistry Lab	1	
CHEM 340	Inorganic Chemistry I		3
CHML 340	Inorganic Chemistry I Lab		1
CHEM 341	Physical Chemistry I	3	
CHML 341	Physical Chemistry I Lab (W)	1	
CHEM 381, 382	Chemistry Seminar	.5	.5
PHY 201,202	Basic Physics	3	3
PHYL 201,202	Basic Physics Lab	1	1
MFL 101,102	German or French	3	3
CHEM 380	Independent Study	1	
ENG 205	World Literature		3
PE xxx	Physical Education Option		1

(Junior Year Total: 32 Hours) 16.5 15.5

SENIOR YEAR

CHEM 431,432	Biochemistry I & II	3	3
CHML 431	Biochemistry I Lab	1	
BIO 313	Microbiology	3	
BIOL 313	Microbiology Lab	1	
CHEM 380	Independent Study		1
CHEM 481,482	Chemistry Seminar (S)	.5	.5

190 \ JACKSON STATE UNIVERSITY

CHEM xxx	Chemistry Option	3	3
SS xxx	Social/Behavioral Science Option	3	
ART xxx	Humanities/Fine Arts Option	3	
PHIL xxx	Philosophy Option	3	

(Senior Year Total: 28 Hours)		14.5	13.5
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TOTAL HOURS: 124

*Students are qualified to obtain a minor in biology.

*Other Requirements: Standardized Test (GRE, MCAT, MFT, etc.), Research Report, and Research Presentation

Chemistry Options: At least two (2) of the following courses: CHEM 342 (Physical Chemistry II), CHEM 421 (Instrumentation), CHEM 441 (Inorganic Chemistry II), BIO 218, 318, 440, 441, and 470 (Immunology).

CORE II OPTIONS: (All students must complete)

- A. Social/Behavioral Science: SS 201, 202, SOC 214, 325, 335, PS 334, 335, 336, GEOG 105, 209, ECO 211, or 212.
- B. Fine Arts/Humanities: ART 206, DR 201, MUS 205, ENG 201H, or 202H.
- C. Speech Options: SPCH 201, 216, 300, 334, 335, or 430.
- D. Philosophy Options: PHIL 301, 308, 309, or 416, MNGT 482, SW 210.

**Bachelor of Science in Chemistry
Biomedical Science Concentration (123 Hours)**

FRESHMAN YEAR		F	S
CHEM 141,142	General Chemistry	3	3
CHML 141,142	General Chemistry Lab	1	1
ENG 104,105	Composition	3	3
BIO 111,112	General Biology	3	3
BIOL 111,112	General Biology Lab	1	1
HIST 101,102	History of	3	3
UNIV 100	University Success	2	
CSC 115	Digital Computer Principles		3
(Freshman Year Total: 33 Hrs.)		16	17

SOPHOMORE YEAR

CHEM 241,242	Organic Chemistry	3	3
CHML 241,242	Organic Chemistry Lab	1	1
CHEM 243	Qual. Organic Analysis		2
CHML 243	Qual. Organic Analysis Lab		1

MATH 231,232	Calculus I and II	3	3
MATL 231,232	Calculus I and II Lab	1	1
SPCH xxx	Speech Option	3	
ENG 205	World Literature	3	
MFL 101,102	Modern Foreign Language	3	3
PE xxx	Physical Education		1

(Sophomore Year Total: 32 Hours)		17	15
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JUNIOR YEAR

CHEM 320	Analytical Chemistry	3	
CHML 320	Analytical Chemistry Lab	1	
CHEM 341	Physical Chemistry	3	
CHML 341	Physical Chemistry Lab (W)	1	
PHY 201,202	Basic Physics I and II	3	3
PHYL 201,202	Basic Physics I and II Lab	1	1
CHEM 381, 382	Chemistry Seminar	.5	.5
CHEM 340	Inorganic Chemistry I	3	
CHML 340	Inorganic Chemistry I Lab	1	
CHEM 310	Introduction to Research	2	
CHEM 380	Independent Study	1	
PE xxx	Physical Education	1	
BIO	Biomed Option + Lab		4

(Junior Year Total: 29 Hours)		13.5	15.5
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SENIOR YEAR

CHEM 421	Instrumentation	3	
CHML 421	Instrumentation Lab	1	
PHIL xxx	Philosophy Option	3	
CHEM 431,432	Biochemistry I and II	3	3
CHML 431	Biochemistry I Lab	1	
CHEM 380	Independent Study	1	
CHEM 481,482	Chemistry Seminar	.5	.5
PHIL xxx	Philosophy Option		3
BIO xxx	Biomed Option	3	
SS xxx	Social/Behavioral Sciences	3	
ART xxx	Humanities/Fine Arts Option		3
ELEC xxx	Elective	3	

(Senior Year Total: 29 Hours)		14.5	14.5
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TOTAL HOURS: 123

*Students are qualified to obtain a minor in biology.

*Other Requirements: Standardized Test (GRE, MCAT, MFT, etc.), Research Report, and Research Presentation

Biomedical Science Option: Two (2) of the following, one of which must have lab: 234 (Human Anatomy and Physiology), BIO 313 (Introduction to Microbiology), BIO 318 (Introduction to Genetics), BIO 440 (Cell Biology), BIO 409 (General Genetics).

ACADEMIC PROGRAMS / 191

CORE II OPTIONS: (All students must complete)

- A. Social/Behavioral Science: SS 201, 202, SOC 214, 325, 335, PS 334, 335, 336, GEOG 105, 209, ECO 211, or 212.
- B. Fine Arts/Humanities: ART 206, DR 201, MUS 205, ENG 201H, or 202H.
- C. Speech Options: SPCH 201, 216, 300, 334, 335, or 430.
- D. Philosophy Options: PHIL 301, 308, 309, or 416, MNGT 482, SW 210.

Bachelor of Science in Chemistry Forensic Science Concentration (124 Hours)

FRESHMAN YEAR		F	S
CHEM 141,142	General Chemistry	3	3
CHEM 141 142	General Chemistry Lab	1	1
BIO 111,112	General Biology	3	3
BIOL 111,112	General Biology Lab	1	1
HIST 101,102	History Civilization	3	3
ENG 104,105	Composition & Literature	3	3
UNIV 100	University Success	2	
CSC 115	Digital Computer Principles		3
(Freshman Year Total: 33 Hours)		<u>16</u>	<u>17</u>

SOPHOMORE YEAR

CHEM 241,242	Organic Chemistry	3	3
CHML 241,242	Organic Chemistry Lab	1	1
MATH 231,232	Calculus I and II	3	3
MATL 231,232	Calculus I and II Lab	1	1
MATH 271	Elementary Statistics		3
SPCH xxx	Speech Option	3	
ENG 205	World Literature		3
PE xxx	Physical Education Option	1	1
ART xxx	Humanities/Fine Arts Option	3	
(Sophomore Year Total: 30 Hours)		<u>15</u>	<u>15</u>

JUNIOR YEAR

CHEM 320	Analytical Chemistry	3	
CHML 320	Analytical Chemistry Lab	1	
CHEM 340	Inorganic Chemistry I		3
CHML 340	Inorganic Chemistry I Lab		1
PHY 201,202	Basic Physics I and II	3	3
PHYL 201,202	Basic Physics I and II Lab	1	1
MFL 101,102	Modern Foreign Language	3	3

CHEM 381,382	Chemistry Seminar	.5	.5
CHEM 371	Forensic Chemistry		3
CHML 371	Forensic Chemistry Lab		1
BIO xxx	Microbiology	3	
(Junior Year Total: 30 Hours)		<u>14.5</u>	<u>15.5</u>

SENIOR YEAR

CHEM 341	Physical Chemistry	3	
CHML 341	Physical Chemistry Lab (W)	1	
CHEM 421	Instrumentation		3
CHML 421	Instrumentation Lab		1
CHEM 431	Biochemistry I	3	
CHML 431	Biochemistry I Lab	1	
CHEM 471	Forensic Toxicology		3
CHEM 475	Forensic Practicum		3
CHEM 481,482	Chemistry Seminar	.5	.5
PHIL xxx	Philosophy Option		3
CJ 324	Intro. Criminal Justice	3	
CJ 443	Found. Criminal Investigation		3
SS xxx	Social/Behavioral Sciences	3	
(Senior Year Total: 31 Hours)		<u>14.5</u>	<u>16.5</u>

TOTAL HOURS: 124

*Students are qualified to obtain a minor in biology.

*Other Requirements: Standardized Test (GRE, MCAT, MFT, etc.), Research Report, and Research Presentation

CORE II OPTIONS: (All students must complete)

- A. Social/Behavioral Science: SS 201, 202, SOC 214, 325, 335, PS 334, 335, 336, GEOG 105, 209, ECO 211, or 212.
- B. Fine Arts/Humanities: ART 206, DR 201, MUS 205, ENG 201H, or 202H.
- C. Speech Options: SPCH 201, 216, 300, 334, 335, or 430.
- D. Philosophy Options: PHIL 301, 308, 309, or 416, MNGT 482, SW 210.

Bachelor of Science in Chemistry Environmental Sciences Concentration (124 Hours)

FRESHMAN YEAR		F	S
CHEM 141,142	General Chemistry	3	3
CHML 141,142	General Chemistry Lab	1	1

192 \ JACKSON STATE UNIVERSITY

ENG 104,105	Composition	3	3
BIO 111,112	General Biology	3	3
BIOL 111,112	General Biology Lab	1	1
HIST 101,102	History of Civilization	3	3
UNIV 100	University Success	2	
CSC 115	Digital Computer Principles		3
(Freshman Year Total: 33 Hours)		16	17

SOPHOMORE YEAR

CHEM 241,242	Organic Chemistry	3	3
CHML 241,242	Organic Chemistry Lab	1	1
MATH 231,232	Calculus I and II	3	3
MATL 231,232	Calculus I and II Lab	1	1
PHIL xxx	Philosophy Option		3
SPCH xxx	Speech Option	3	
ENG 205	World Literature	3	
PE xxx	Physical Education	1	1
SS xxx	Social/Behavioral Science Option		3
(Sophomore Year Total: 30 Hours)		15	15

JUNIOR YEAR

CHEM 310	Introduction to Research		2
CHEM 320	Analytical Chemistry	3	
CHML 320	Analytical Chemistry Lab	1	
CHEM 340	Inorganic Chemistry I		3
CHML 340	Inorganic Chemistry I Lab		1
CHEM 341	Physical Chemistry	3	
CHML 341	Physical Chemistry Lab	1	
CHEM 380	Independent Study		1
CHEM 381,382	Chemistry Seminar	.5	.5
PHY 201,202	Basic Physics I and II	3	3
PHYL 201,202	Basic Physics I and II Lab	1	1
MFL 101, 102	Modern Foreign Language	3	3
(Junior Year Total: 30 Hours)		15.5	14.5

SENIOR YEAR

CHEM 421	Instrumentation		3
CHML 421	Instrumentation Lab		1
CHEM 431	Biochemistry	3	
CHML 431	Biochemistry Lab	1	
CHEM 481,482	Chemistry Seminar	.5	.5
CHEM 410	Environmental Chemistry	3	
CHML 410	Environmental Chem. Lab	1	
CHEM 380	Independent Study	1	
BIO	ENV Option + Lab		4
BIO	ENV Option + Lab		4
CHEM xxx	Toxicology Option		3
ELEC xxx	Elective	3	
ART xxx	Humanities/Fine Arts Option	3	

(Senior Year Total: 31 Hours) 15.5 15.5

TOTAL HOURS: 124

*Students are qualified to obtain a minor in biology.

*Other Requirements: Standardized Test (GRE, MCAT, MFT, etc.), Research Report, and Research Presentation

Environmental Science Options: Two (2) of the following: BIO 201 & BIOL 201 (Introduction to Environmental Sciences and Lab), BIO 403 & BIOL 403 (Human Environments and Natural Systems and Lab), BIO 404 & BIOL 404 (Introduction to Environmental Science); **Toxicology Option:** CHEM 471 (Forensic Toxicology), ITHM 400 (Principles of Toxicology), ITHM 529 (Environmental Toxicology and Risk Assessment).

CORE II OPTIONS: (All students must complete)

- A. Social/Behavioral Science: SS 201, 202, SOC 214, 325, 335, PS 334, 335, 336, GEOG 105, 209, ECO 211, or 212.
- B. Fine Arts/Humanities: ART 206, DR 201, MUS 205, ENG 201H, or 202H.
- C. Speech Options: SPCH 201, 216, 300, 334, 335, or 430.
- D. Philosophy Options: PHIL 301, 308, 309, or 416, MNGT 482, SW 210.

Bachelor of Science in Chemistry Without ACS Certification (124 Hours)

FRESHMAN YEAR	F	S
CHEM 141,142	General Chemistry	3 3
CHML 141,142	General Chemistry Lab	1 1
ENG 104,105	Composition	3 3
MATH xxx	Mathematics Options	3 3
BIO 111	General Biology	3
BIOL 111	General Biology Lab	1
UNIV 100	University Success	2
CSC 115	Digital Computer Principles	
ART xxx	Humanities/Fine Arts Option	3
(Freshman Year Total: 32 Hours)		16 16

SOPHOMORE YEAR

CHEM 241,242	Organic Chemistry	3 3
CHML 241,242	Organic Chemistry Lab	1 1
MATH 231,232	Calculus I and II	3 3
MATL 231,232	Calculus I and II Lab	1 1

ACADEMIC PROGRAMS / 193

HIST 101,102	History of Civilization	3	3
ENG 205	World Literature	3	
CHEM 243	Qual. Organic Analysis		2
CHML 243	Qual. Organic Analysis Lab		1
PE xxx	Physical Education Option	1	1

(Sophomore Year Total: 30 Hours)		15	15
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JUNIOR YEAR

CHEM 320	Analytical Chemistry	3	
CHML 320	Analytical Chemistry Lab	1	
CHEM 340	Inorganic Chemistry I		3
CHML 340	Inorganic Chemistry I Lab		1
CHEM 381,382	Chemistry Seminar	.5	.5
PHY 201,202	Basic Physics I and II	3	3
PHYL 201,202	Basic Physics I and II Lab	1	1
MFL 101,102	Modern Foreign Language	3	3
SPCH xxx	Speech Option	3	
PHIL xxx	Philosophy Option		3

(Junior Year Total: 29 Hours)		14.5	14.5
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SENIOR YEAR

CHEM 341	Physical Chemistry	3	
CHML 341	Physical Chemistry Lab (W)	1	
CHEM 421	Instrumentation		3
CHML 421	Instrumentation Lab		1
CHEM 481,482	Chemistry Seminar	.5	.5
CHEM xxx	Chemistry Option	3	3
ELEC xxx	Elective Options	6	9
SS xxx	Social/Behavioral Science Option	3	

(Senior Year Total: 33 Hours)		16.5	16.5
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TOTAL HOURS: 124

*Other Requirements: Standardized Test (GRE, MCAT, MFT, etc.), Research Report, and Research Presentation

Chemistry Options: At least one (1) of the following courses: CHEM 342 (Physical Chemistry), CHEM 431 (Biochemistry), CHEM 441 (Inorganic Chemistry II)

Math Options: Two (2) of the following : MATH 111, MATH 112, or MATH 118, MATH 232, MATH 233. If taking MATH 118, there will be one less credit hour needed for the student to graduate. If a student is qualified to take MATH 231 in the freshman year, MATH 111, 112, or 118 are not required, rather, the student can take MATH 232, MATH 233, or other elective courses as options.

CORE II OPTIONS: (All students must complete)

- A. Social/Behavioral Science: SS 201, 202, SOC 214, 325, 335, PS 334, 335, 336, GEOG 105, 209, ECO 211, or 212.
- B. Fine Arts/Humanities: ART 206, DR 201, MUS 205, ENG 201H, or 202H.
- C. Speech Options: SPCH 201, 216, 300, 334, 335, or 430.
- D. Philosophy Options: PHIL 301, 308, 309, or 416, MNGT 482, SW 210.

Bachelor of Science in Chemistry Pre-Chemical Engineering (101 Hours)

FRESHMAN YEAR		F	S
CHEM 141,142	General Chemistry I and II	3	3
CHML 141,142	General Chemistry I and II Lab	1	1
ENG 104,105	Composition	3	3
MATH 231,232	Calculus I and II	3	3
MATL 231,232	Calculus I and II Lab	1	1
BIO 111	General Biology	3	
BIOL 111	General Biology Lab	1	
CSC 115	Digital Computer Principles		3
UNIV 100	University Success	2	
PE 100	Physical Education		1
(Freshman Year Total: 33 Hours)		17	15

SOPHOMORE YEAR		F	S
CHEM 241,242	Organic Chemistry	3	3
CHML 241,242	Organic Chemistry Lab	1	1
PHY 211,212	General Physics I and II	4	4
PHYL 211,212	General Physics I and II Lab	1	1
MATH 233	Calculus III	3	
MATL 233	Calculus III Lab	1	
CHEM 243	Qual. Organic Analysis		2
CHML 243	Qual. Organic Analysis Lab		1
ENG 205	World Literature		3
ENG xxx	English Option		3
PE xxx	Physical Education Course	1	
ART xxx	Humanities/Fine Arts Option	3	
MATH 368	Differential Equations I		3
(Sophomore Year Total: 35 Hours)		17	18

JUNIOR YEAR

CHEM 341,342	Physical Chemistry	3	3
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194 \ JACKSON STATE UNIVERSITY

CHML 341,342	Physical Chemistry Lab (W)	1	1
CHEM 320	Analytical Chemistry	3	
CHML 320	Analytical Chemistry Lab	1	
CHEM 453	Thermodynamics		3
CHEM 381,382	Chemistry Seminar	.5	.5
HIST 101,102	History of Civilization	3	3
MFL 101,102	Modern Foreign Language	3	3
PHIL xxx	Philosophy Option	3	
SS xxx	Social/Behavioral Science Option		3
(Junior Year Total: 34 Hours)		17.5	16.5

SENIOR YEAR

If the student also wants a B.S. Degree in Chemistry from Jackson State University, courses equivalent to the following must be completed at the collaborating School of Engineering or during a Jackson State Summer Session.

Speech Option	3.0
Social/Behavioral Science Option	6.0

DEPARTMENT OF MATHEMATICS

Dr. Tor A. Kwembe, Professor and Chair
OFFICE: Just Hall of Science Building, Room #225

FACULTY: Professors R. Gentry, R. Gomp, M. Khadivi, T. Kwembe; Associate Professors D. Bramlett, L. Buckley, D. Chen, V. Gomp, Z. Zhang; Assistant Professors M. Aouina, D. Course, B. Diatta, D. Fall, M. Harbour, E. Holbrook, C. Wafo Soh; Instructors M. Canon, A. Jefferson

OBJECTIVES

The objectives of the Department of Mathematics are as follows:

- To develop the quantitative skills of students who enjoy the enterprise of problem solving and the reward of discovery.
- To encourage students to pursue advanced training in mathematics commensurate with their goals and talents.
- To illustrate the role of mathematics in research and related areas of scientific endeavor.
- To prepare effective teachers of mathematics and competent mathematicians for work in business, government, and industry.

- To offer a course of study in mathematics for students entering the University with mathematics deficiencies.
- To offer courses essential for those students pursuing study in major fields other than mathematics, including those that elect to minor in mathematics.

The Department of Mathematics offers the Bachelor of Science Degree in Mathematics (BS), and the Bachelor of Science in Education Degree in Mathematics Education (BSE), with concentrations in various areas of Pure and Applied Mathematics.

Students interested in obtaining either the BS degree or the BSE degree must meet all admission requirements into Jackson State University. Students who have interest in mathematics must declare a major in mathematics for the BS degree or mathematics education for the BSE degree. There are no special requirements set by the Department of Mathematics for admission into any of its undergraduate programs. A student who is interested in majoring in mathematics should have an adequate mathematics preparation in high school to begin at the calculus sequence. Mathematics majors who begin under the calculus sequence may use those courses toward general electives for graduation.

To receive the BS or BSE degree, a student must maintain an overall GPA of at least 2.0 and at least 2.5 in all core mathematics and English courses. The total number of hours of course work for the BS or BSE is at least 124 semester hours including transfer credits. In addition, to receive the BSE degree a student must be admitted to the Teacher Education Program which is sought through the College of Education and Human Development. Students interested in entering teacher education should see Requirements for Admissions to Teacher Education in this issues of the Jackson State University Undergraduate Catalog under the College of Education and Human Development.

Bachelor of Science: Mathematics Major

FRESHMAN YEAR		F	S
MATH 231,			
232	Calculus I and II	3	3
MATL 231,232	Calculus I and II Lab	1	1
HE 101 or	Concepts of Health	3	
PE xxx	or 100-Level Courses	1	1
ENG 104,105	Composition	3	3
+SCI xxx	Science Option		3
HIST 101,102	History of Civilization	3	3
++UNIV 100	University Success	2	
+++FLG101,102	Foreign Language Option	3	3

(Freshman Year Total: 33-35 Hours)

16-18	17
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SOPHOMORE YEAR

MATH 233	Calculus III	3	
MATL 233	Calculus III Lab	1	
MATH 303W	Set Theory and Logic		3
ENG 205 or	World Literature I or		
ENG 206	Literature of Science	3	
ART 206 or	Art Appreciation or		
MUS 205	Music Appreciation		3
++++SS xxx	Social Science Option	3	
+SCI xxx	Science Option w Labs	4	5
CSC 118	Programming Fundamentals		3
CSSL 118	Programming Fundamentals Lab		1

(Sophomore Year Total: 29 Hours)

14	15
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JUNIOR YEAR

MATH 355	Probability and Statistics		3
MATH 331	Linear Algebra Matrix Theory I	3	
MATH 368	Ordinary Different Equation I	3	
MATH 321W	Modern Geometry		3
SPCH 201	Speech Arts	3	
ELEC xxx	General Elective	3	3
++++MATHxxx	Mathematics Elective		3
+SCI xxx	Science Option	3/4	

(Junior Year Total: 27-28 Hours)

15-16	12
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SENIOR YEAR

MATH 311W	Abstract Algebra I	3	
MATH 351	Advanced Calculus I	3	
MATH 403S	Mathematics Seminar		3
MATH 451	General Topology		3
PHIL 301 or	Introduction to Philosophy or		
PHIL 416	Logic		3
ELEC xxx	General Elective	3	6
++++MATHxxx	Mathematics Elective	3	
+SCI xxx	Science Option	4/5	

(Senior Year Total: 31-32 Hours)

16-17	15
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TOTAL HOURS: 120-124

**Bachelor of Science in Education:
Mathematics Education Major**
FRESHMAN YEAR

F	S
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MATH 231,			
232	Calculus I and II	3	3
MATL 231,232	Calculus I and II Lab	1	1
HE 102	Concepts of Health		3
ENG 104,105	Composition	3	3
BIO 101	Introduction to Biology	2	
BIOL 101	Introduction to Biology Lab	1	
HIST 101,102	History of Civilization	3	3
++UNIV 100	University Success	2	
ART 206 or	Art Appreciation or		
MUS 205	Music Appreciation		3
+++FLG101,102	Foreign Language Option	3	3

(Freshman Year Total: 37 Hours)

18	19
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SOPHOMORE YEAR

MATH 233	Calculus III	3	
MATL 233	Calculus III Lab	1	
MATH 303W	Set Theory and Logic		3
PSY 201	General Psychology		3
ENG 205	World Literature	3	
ENG 206	Literature of Science		3
EDCI 100	Introduction to Education	3	
EDFL 203	Historical Cultural Foundtn Educ.		3
SPCH 201	Speech Arts/Option	3	
CSC 117	Fortran Programming		3

(Sophomore Year Total: 28 Hours)

13	15
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JUNIOR YEAR

MATH 368	Differential Equations	3	
MATH 331	Linear Algebra Matrix Theory I		3
MATH 311W	Abstract Algebra	3	
MATH 321W	Modern Geometry I		3
MATH 355	Probability & Statistics I	3	
MATH 493W	History of Mathematics		3
EDFL 367	Intro. Assessment Measures & Eval		3
GUID 215	Human Development Learning	3	
PHY 201,202	Basic Physics I and II		
PHYL 201,202	Basic Physics I and II Lab		
or	or		
PHY 211,212	General Physics I and II	3/4	
PHYL 211,212	General Physics I and II Lab	1	

(Junior Year Total: 28-29 Hours)

16-17	12
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196 \ JACKSON STATE UNIVERSITY

SENIOR YEAR

MATH 402W	Methods of Teaching Mathematics in Secondary School	3	
MATH 403S	Mathematics Seminar	3	
RE 455	Diagnostic Reading Instruction in Secondary School	3	
EDCI 401	Research Theory Clinical Practice	3	
SS 301	Law & Social Systems	3	
EDCI 402	Clinical Internship in Student Tchng	12	
PHIL 301 or PHIL 416	Introduction to Philosophy or Logic	3	
(Senior Year Total: 30 Hours)		18	12
TOTAL HOURS: 123-124			

NOTE:

+See list of Science Options.

++Students who transfer 12 or more hours of college credits are exempt from this course, but must meet the minimum degree requirements.

+++Students who have completed two years of a foreign language in high school with a "C" or above are exempt from the foreign language requirement **but must take six additional semester hours of course work.** See list of Foreign Language Options.

++++Mathematics electives must be from list of Concentration-Specialization and courses must be from the 300-400 level.

+++++See list of Social Science Options.

*Concentration-Specialization:

Pure Mathematics

Algebra
Analysis
Complex Variables
Geometry
Number Theory
Set Theory and Logic

Applied Mathematics

Differential Equations
Financial Mathematics
Mathematical Modeling
Numerical Analysis
Operations Research
Probability and Statistics

*Students should consult an advisor for courses in these areas.

SCIENCE OPTIONS:

BIO 101	Biological Science and Lab
BIO 103	Environmental Science and Lab
BIO 105	Introductory Botany and Lab
BIO 106	Marine Science and Lab
BIO 107	Introduction to Zoology and Lab
BIO 111	Introduction to Biology and Lab
SCI 201 or 202	Physical Science and Lab
SCI 205	Earth and Space Science
CHEM 201	Chemistry and Society and Lab
CHEM 131	Introduction to Chemistry and Lab
CHEM 141 or 142	General Chemistry I or II and Labs
PHY 151	Introduction to Physics
PHY 201 or 202	Basic Physics I or II and Labs
PHY 211 or 212	General Physics I or II and Labs
PHY 241	Introduction to Astronomy
MET 200	Introduction to Meteorology

SOCIAL SCIENCE OPTIONS:

SS 201 or 202	Social Institutions
GEOG 115	Introduction to Cultural Geography
GEOG 209	World Regional Geography
SOC 214	Introduction to Sociology
SOC 325	Cultural Anthropology
PS 344	Introduction to Political Science
PS 335	American Government
PS 336	State and Local Government
ECO 211 or 212	Principles of Economics
PSY 201/111-112	General / Introduction to Psychology

FOREIGN LANGUAGE OPTIONS:

FR 101 & 102	Elementary French
GR 101 & 102	Elementary German
SP 101 & 102	Elementary Spanish
LAT 101 & 102	Elementary Latin
POR 101 & 102	Elementary Portuguese
CHI 101 & 102	Mandarin Chinese

Elementary Education Majors:

Elementary Education majors who are seeking a content knowledge area in mathematics must complete the following courses: MATH 111, 112, 226, 227, 306, 401W, and 493W.

Substitute courses must be approved by the Department of Mathematics.

Requirements for a Minor in Mathematics:

Students electing a minor in mathematics must complete a minimum of 21 semester hours of mathematics course work; six (6) hours must be taken from courses beyond the Calculus sequence with the approval of the Department of Mathematics.

DEPARTMENT OF PHYSICS, ATMOSPHERIC SCIENCES AND GEOSCIENCE

Dr. Quinton Williams, Professor and Chair

OFFICE: Just Hall of Science Building, Room #327

FACULTY: Professors M. Fadavi, T. Shahbazy, Q. Williams; Associate Professors E. Heydari, R. Karim, H. Liu, R. Reddy, W. Walters, L. White; Assistant Professors C. Drake, Serguei Goupalov; Visiting Assistant Professors P. Chang, R. Kalluru, A. Khan, J. G. Zhou; Visiting Instructor V. Shankar; Adjunct Faculty Kerry Cook, Consuella Davis, Tanya Furman, Mary Goliday, Barbara Powell, Portia Powell, Lisa White, Della Youngblood

MISSION

The Department of Physics, Atmospheric Sciences and Geoscience is rapidly growing and has a diverse range of active research areas which include optics and photonics, meteorological observations, modeling and forecasting, computational sciences, nanotechnology, materials science, theoretical condensed matter physics, renewable energy, Earth and space science, and science education. Teaching (e.g., modern teaching tools and methods) and Service (e.g., good working collaborations with other units and organizations and playing supporting roles towards local school systems and community college systems) are also key components of the program. Students graduate with global awareness and core competencies to take on responsibilities imposed by modern society. The Department has achieved national ranking in the number of students enrolled as majors and in the number of graduates produced. Graduates of the program excel in graduate study, research, and in their professional careers.

OBJECTIVE

The objective of the Bachelor of Science in Physics program is to prepare students for careers in physics research, engineering, medicine, and other professional fields including physics teaching in high schools. The Bachelor of Science in Meteorology prepares students for careers in meteorology and for graduate study in meteorology or related fields. The program also teaches students from other disciplines about basic characteristics and phenomena of the atmosphere. The Bachelor of Science in Earth System Science prepares students for geoscience careers and graduate study in related fields. Graduates of the Earth System Science program are prepared to work in a wide range of areas such as global change, natural resource exploration and environmental science. The Master of Science in Teaching in the Science Education program is

designed for persons with an adequate background in science who need additional preparation to become science teachers in K-12 schools. The general philosophy of the Department is that each student should be able to reason, to collect facts and opinions, to think critically and to make informed decisions concerning his or her physical, social, economic, and political environment. The Department's philosophy is that thinking is a skill that can be taught, and that a good scientist is also a good citizen. The purpose of the Department is to guide students in the acquisition of knowledge and the development of the skills, understanding, and appreciation necessary for a professional education in physics, atmospheric sciences, and geoscience. Faculty, staff, and students are integral parts of the Department's vision and engage in research at the frontiers of science. Department faculty members are active in research, writing proposals, supervising students' research and disseminating research results through publication in journals and presenting in professional meetings.

Goals of the Department are as follows:

1. To prepare students for careers in physical research, medicine, engineering, meteorological research, professional meteorology, and other professional areas including the teaching of physics and physical sciences.
2. To prepare students for graduate programs in physics, atmospheric sciences, Earth Sciences, engineering, other applied sciences, graduate programs in management, materials science, and for medical and dental schools.
3. To develop an understanding of basic scientific principles, concepts, and the application of science in all students taking courses in the Department; to provide courses for students with other career interests which will increase their awareness of the environment and universe.
4. To excel in research and development in the areas of meteorological observation, forecasting and modeling, atomic and molecular physics, optics, materials science, nanotechnology, computational science, renewable energy, and Earth and space science.
5. To develop more collaborative research and development projects with other departments in Jackson State University, other institutions, state agencies, and non-profit and for profit organizations.
6. To provide services to the community, the state, the nation, and the world in matters concerning science, particularly, physics, atmospheric science and the geosciences.

DEGREE PROGRAMS

The Department of Physics, Atmospheric Sciences and Geoscience offers Bachelor of Science degrees in Physics, Meteorology and Earth system science. The Department also offers the Master of Science in Teaching in Science Education. The B.S. in Meteorology is the only degree program in Meteorology in Mississippi and in its neighboring states. The B.S. in Physics has two tracks: (1) B.S. Physics (General Physics Concentration) and (2) B.S. Physics (Leading to Alternate Career Choice Option). Physics courses prepare students with good mathematical and analytical skills. The B.S. in Earth System Science is the only degree program of its kind in Mississippi and the adjacent states. This degree program prepares students to attack problems that are related to the Earth and its environment and resources.

In every skilled profession, such as engineering, medicine, management, teaching, etc., analytical expertise, gained through mathematics and physics courses, will provide an added opportunity/tool to choose and succeed in that profession. A thorough study of mechanics, statistical physics, modern physics, electromagnetic theory, and quantum mechanics, along with introductory physics courses and introductory math courses, enhances students' ability and updates modern technological innovations needed to succeed in alternate career choices. The curriculum gives the option to choose about six (6) courses in areas other than physics. This will keep students on track to go to graduate schools in physics. Additionally, the curriculum opens an avenue to choose other career options. Students take a set of guided optional courses to make themselves eligible for other careers adjacent to physics.

**Bachelor of Science: Physics Major
(General Physics Concentration)**

FRESHMAN YEAR		F	S
ENG 104,105	Composition	3	3
HIST 101,102	History of Civilization	3	3
MATH 231	Calculus I with Lab		4
BIO 111	General Biology	3	
BIOL 111	General Biology Lab	1	
CHEM 141,142	General Chemistry I and II	3	3
CHML 141,142	General Chemistry I and II Lab	1	1
CSC 117	FORTTRAN Programming		3
UNIV 100	University Success	2	
PHY 198,199	Physics Seminar	.5	.5
(Freshman Year Total: 34 Hours)		<u>16.5</u>	<u>17.5</u>

SOPHOMORE YEAR

ENG 205	World Literature	3	
ENG 206	Literature of Science		3
MATH 232	Calculus II with Lab	4	
MATH 233	Calculus III with Lab		4
PHY 205	Intro to Nanoscience	3	
PHY 211,212	General Physics I and II	4	4
PHYL 211,212	General Physics I and II Lab	1	1
PHY 298,299	Physics Seminar	.5	.5
(Sophomore Year Total: 31 Hours)		<u>15.5</u>	<u>15.5</u>

JUNIOR YEAR

FR, GR, CHI, or SP 101,102	Foreign Language Option	3	3
MUS 205 or ART 206	Music Appreciation or Art Appreciation	3	
PHY 311,312	Theoretical Mechanics I and II	3	3
PHY 411,412	Electromagnetic Theory	3	3
PHY 330W	Methods Experimental Physics I		3
PHY 361, 362	Math Methods in Physics and Chemistry I & II	3	3
PHY 398,399	Physics Seminar	.5	.5
(Junior Year Total: 31 Hours)		<u>15.5</u>	<u>15.5</u>

SENIOR YEAR

SS xxx	Social Science Option	3	
PHIL 301	Introduction to Philosophy	3	
ELEC xxx	Free Electives	3	3
PHY xxx	Physics Elective		3
HE 101	Concepts of Health		3
PHY 351	Thermal & Statistical Physics	3	
PHY 422	Quantum Mechanics	3	
PHY 431	Atomic Nuclear Physics		3
PHY 498S,499S	Physics Seminar	.5	.5
(Senior Year Total: 28 Hours)		<u>15.5</u>	<u>12.5</u>

TOTAL HOURS: 124

(Minimum Credit Hours required for the Degree: 122)

NOTE: Students must satisfactorily pass the English Proficiency Examination.

**Bachelor of Science: Physics Major
(Pre-Medicine Concentration—leading to an alternate
career choice option)**

FRESHMAN YEAR		F	S
ENG 104,105	Composition and Literature I and II	3	3

ACADEMIC PROGRAMS / 199

HIST 101,102	History of Civilization I and II	3	3
MATH 231	Calculus I with Lab		4
BIO 111	General Biology I	3	
BIOL 111	General Biology Lab	1	
CHEM 141,142	General Chemistry I and II	3	3
CHML 141,142	General Chemistry I and II Lab	1	1
HE 101	Concepts of Health		3
UNIV 100	University Success	2	
PHY 198,199	Physics Seminar	.5	.5

(Freshman Year Total: 34 Hours) 16.5 17.5

SOPHOMORE YEAR

ENG 205	World Literature	3	
ENG 206	Literature of Science		3
SPCH 201	Speech Arts		3
PHY 211,212	General Physics I and II	4	4
PHYL 211,212	General Physics I and II Lab 1	1	
MATH 232	Calculus II with Lab	4	
CSC 117	FORTAN Programming		3
*OPT 1	Career Option Course I	3	
*OPT 2	Career Option Course II		3
PHY 298,299	Physics Seminar	.5	.5

(Sophomore Year Total: 33 Hours) 15.5 17.5

JUNIOR YEAR

MUS 205 or ART 206	Music Appreciation or Art Appreciation		3
PHY 361	Math Methods in Physics and Chemistry I		3
FR, GR, CHI or SP 101,102	Foreign Language Option	3	3
PHY 311	Theoretical Mechanics I	3	
PHY 351	Thermal and Statistical Physics	3	
PHY 330W	Methods of Experimental Physics		3
PHIL 301	Introduction to Philosophy	3	
*OPT 3	Career Option Course III	3	
*OPT 4	Career Option Course IV		3
PHY 398S,399S	Physics Seminar	.5	.5

(Junior Year Total: 31 Hours) 15.5 15.5

SENIOR YEAR

PHY 411	Electromagnetic Theory I	3	
PHY 422	Quantum Mechanics	3	
PHY 431	Atomic and Nuclear Physics		3
SS/SOC xxx	Social Science Option		3
ELECT	Free Electives		4
ELECT	Physics Elective	3	
*OPT 5	Career Option Course V	3	
*OPT 6	Career Option Course VI		3
PHY 498S,499S	Physics Seminar	.5	.5

(Senior Year Total: 26 Hours) 12.5 13.5

TOTAL HOURS: 124

(Minimum Credit Hours required for degree: 122)

NOTE: Students must satisfactorily pass the English Proficiency Examination.

a. Students with "MEDICINE" as career choice:

Option:	Hours:
OPT 1 BIO 112 & BIOL 112 (General Biology II and Lab)	4
OPT 2 BIO 218 & BIOL 218 (Comparative Anatomy and Lab)	4
OPT 3 CHEM 241 & CHML 241 (Organic Chemistry I and Lab)	4
OPT 4 CHEM 242 & CHML 242 (Organic Chemistry II and Lab)	4
OPT 5 CHEM 431 & CHML 431 (Biochemistry and Lab)	4

b. Students with "CIVIL ENGINEERING" as career choice:

Option:	Hours:
OPT 1 EN 222 (Engineering Mechanics I)	3
OPT 2 EN 240 (Strength of Materials)	3
OPT 3 CIV 330 & CIVL 330 (Fluid Mechanics and Lab)	3
OPT 4	3
OPT 5	3
OPT 6	3

(Choice of three (3) courses from CIV 320, CIV 340 & Lab, CIV 370, CIV 380 & Lab, and CIV 390; Student, advisor, and chairs will participate in the discussion for choice. One 400-level CIV course may be chosen if it matches with student's interest and appropriate prerequisite is met.)

c. Student with "MBA/MANAGEMENT" as career choice:

Option:	Hours:
OPT 1 MNGT 330 (Management to Organizatns)	3
OPT 2 ECO 211 (Principles of Macroeconomics)	3
OPT 3 ECO 212 (Principles of Microeconomics)	3
OPT 4 MNGT 333 (Quantitative Bus. Analysis)	3
OPT 5 MNGT 350 (Data Base Mngmt Syst Appl)	3
OPT 6 MNGT 460 (Management Info Systems)	3

d. Students with "PHYSICS TEACHING IN HIGH SCHOOL" as career choice:

Option:	Hours:
OPT 1 EDCI 100 (Introduction to Education)	3
OPT 2 EDFL 203 (Foundations of Education)	3
OPT 3 GUID 215 (Human Development Lrng)	3
OPT 4 SCI 205 and SCIL 205	3

200 \ JACKSON STATE UNIVERSITY

	(Earth Science for Teachers and Lab)		
OPT 5	EDFL 367	3	
	(Assessment, Measurements & Evaluation)		
OPT 6	EDCI 401	3	
	(Research in Classroom Mngmnt)		
e.	Students with other career choices than mentioned above should consult with his/her advisor. Other possible career choice could be:		
	Atmospheric Physics		
	Medical Physics/Biophysics		
	Computational Sciences		
	Nano-Science and Technology		
	Earth and Space Science		
	Electrical Engineering		
	Computer Engineering		
	Materials Science and Engineering		

* OPT course will be sequenced following prerequisites and as courses offered by the respective departments.

Bachelor of Science: Meteorology Major

FRESHMAN YEAR		F	S
ENG 104,105	Composition and Literature I & II	3	3
HIST 101,102	History of Civilization I & II	3	3
UNIV 100	University Success	2	
MATH 231	Calculus I with Lab		4
CSC 117	FORTRAN		3
HE 101	Concepts of Health	3	
MET 200	Introduction to Meteorology	3	
MET 210	Climatology		3
MET 200L	Atmospheric Processes & Patterns	1	
MET 219L	Weat. Analysis/Forecasting Lab I		1
(Freshman Year Total: 32 Hours)		15	17

SOPHOMORE YEAR

MATH 232	Calculus II with Lab	4	
MATH 233	Calculus III with Lab		4
PHY 211,212	General Physics I and II	4	4
PHYL 211,212	General Physics I and II Lab	1	1
CHEM 141,142	General Chemistry I and II	3	3
CHML 141,142	General Chemistry I and II Lab	1	1
MET 303	Measurements and Observations	3	
MET 303L	Meas and Observations Lab	1	
MET 311	General Meteorology		3
MET 299L	Weat. Analysis/Forecasting Lab II		1
(Sophomore Year Total: 34 Hours)		17	17

JUNIOR YEAR

MATH 361	Differential Equations	3	
MET 321	Atmospheric Thermodynamics	3	
MET 341	Dynamic Meteorology		3
MET 399L	Weat. Analysis/Forecasting Lab III		1
SPCH 201	Speech Arts Option		3
FR, GR, CHI			
or SP 101,102	Foreign Language Option	3	3
ENG 213	Professional Writing	3	
ENG 205	World Literature		3
ELECT	Free Electives	3	3
(Junior Year Total: 31 Hours)		15	16

SENIOR YEAR

MATH 355	Statistics		3
SS/SOC	Social Science Option	3	
MET 411W	Physical Meteorology	3	
MET 421	Synoptic Meteorology	2	
MET 421L	Synoptic Meteorology Lab	2	
MET 472	Research Methods	1	
PHIL 301	Intro to Philosophy	3	
ELECT	Free Electives		3
MUS 205 or	Music Appreciation or		
ART 206	Art Appreciation		3
MET 431	Numerical Methods		3
MET 499S	Meteorology Seminar		1
(Senior Year Total: 27 Hours)		14	13

TOTAL HOURS: 124

(Minimum Credit Hours required for degree: 122)

NOTE: Students must satisfactorily pass the English Proficiency Examination.

Bachelor of Science: Earth System Science Major

FRESHMAN YEAR		F	S
ENG 104,105	Composition and Literature I & II	3	3
HIST 101,102	History of Civilization I & II	3	3
UNIV 100	University Success	2	
MATH 118	College Algebra & Trigonometry	3	
MATH 231	Calculus I with Lab		4
HE 101	Concepts of Health	3	
CHEM 141,142	General Chemistry I and II	3	3
CHML 141,142	General Chemistry I and II Lab	1	1
BIO 114	Marine Environments		3
(Freshman Year Total: 35 Hours)		18	17

SOPHOMORE YEAR

BIO 101	Introduction to Biology	3	
BIOL 101	Biology Lab	1	
MATH 232	Calculus II with Lab	4	
MET 200	Introduction to Meteorology	3	
PHY 211,212	General Physics I and II	3	3
PHYL 211,212	General Physics I and II Lab	1	1
SCI 205	Earth & Space Science	3	
SCIL 205	Earth & Space Science Lab	1	
CSC 118	Computer Programming	3	
SCI 215	Global Change	3	
SPCH 201	Speech Arts	3	
ENG 205	World Literature	3	
(Sophomore Year Total: 35 Hours)		18	17

JUNIOR YEAR

MET 210	Climatology	3	
SCI 310	Earth History	3	
SCIL 310	Earth History Lab	1	
FR, GR, CHI or SP 101,102	Foreign Language I & II	3	3
PHY 241	Introduction to Astronomy	3	
PHIL 301	Introduction to Philosophy	3	
GEOG 103	Physical Geography	3	
SCI 320	Sedimentary Environments	3	
SCI 325	Mineralogy - Petrology	3	
(Junior Year Total: 28 Hours)		13	15

SENIOR YEAR

SCI 410	Oceanography	3	
SCI 415	Geochemistry	2	
SCI 420	Structural Geology	3	
SCI 440	Environments of Africa	3	
SCI 430	Geographic Info. System/Remote Sensing (GIS/RS)	3	
MUS 205 or ART 206	Music or Art Appreciation	3	
SCI 425	Environmental Geology	2	
SCI 480	Earth Science Seminar	1	
SCI 441	Environmental Health in Africa	3	
SCI 432	Hydrology	3	
(Senior Year Total: 26 Hours)		14	12

TOTAL HOURS: 124

(Minimum Credit Hours required for degree: 122)

NOTE: Students must satisfactorily pass the English Proficiency Examination.

Details of Rationale and Course for Alternate Career Choice Options:Course options for students who wish to go to medical school:

BIO 112 & BIOL 112	General Biology II and Lab
BIO 218 & BIOL 218	Comparative Anatomy and Lab
CHEM 241 & CHML 241	Organic Chemistry I and Lab
CHEM 242 & CHML 242	Organic Chemistry II and Lab
CHEM 431 & CHML 431	Biochemistry

(NOTE: The five (5) courses—20 credit hours—will be recommended for students preparing themselves for medical school. They will take the courses in their junior and senior years. These five (5) courses along with physics and mathematics courses recommended in the curriculum will prepare them well for admission into medical schools in the United States of America.)

Course options for students wishing to keep Civil Engineering as alternate option: Students will take the following:

EN 222	Engineering Mechanics I
EN 240	Engineering, Strength of Materials
EN 330	Fluid Mechanics

They will also choose three (3) more courses for the civil engineering courses mentioned below. Student, advisor in the department, and chairs will discuss and decide the appropriate courses. The courses are as follows:

CIV 320	Structural Analysis
CIV 340 & CIVL 340	Intro to Environmental Engineering
CIV 370	Water Resources Engineering
CIV 380 & CIVL 380	Intro to Geotechnical Engineering
CIV 390	Intro to Transportation Engineering
CIV 4*** course may be taken if there is definite match in interest and prerequisite.	

Course options for students wishing to go to MBA/Management as alternate career option: Students will take the following:

MNGT 330	Management of Organization (during fall of junior year)
ECO 211	Macroeconomics (during spring of junior year)
ECO 212	Microeconomics (during senior year)
MNGT 333	Quantitative Business Analysis (during senior year)
MNGT 350	Data Base Management Systems Application (during senior year)
MNGT 460	Management Information Systems (during senior year)

These six (6) courses along with mathematics and physics courses will prepare them well for MBA degree and management positions in this complicated management and financial world.

202 \ JACKSON STATE UNIVERSITY

Course options for students wishing to go for Physics Teaching in High Schools:

Mississippi and the nation seriously lack physics teachers in high school systems. The education degree programs in universities do not prepare students to take a job as physics teachers in high schools. Mississippi State Department of Education has designed Alternate Route to secure license for teaching in high school. In this career choice option, courses are chosen to meet that requirement. Students will receive a B.S. degree in physics and they will be eligible to secure a teaching license while keeping the option for higher education in physics or in education. The in-depth knowledge that will be gained by the students through mathematics and physics courses in the curriculum will enable them to inspire high school students towards physics and engineering careers in the future. A sound understanding of physics will translate into an innovative and stimulating environment in physics classes in high schools (instead of offering a passive physics course in high schools) in Mississippi. Students will take the following as needed for the alternate route during their junior and senior year:

EDCI 100	Introduction to Education
EDFL 203	Foundation of Education
GUID 215	Human Development Learning
EDFL 367	Assessment, Measurement, and Evaluation
EDCI 401	Classroom Management

They may take SCI 205–Earth Science for Teachers—as their sixth (6th) course or may opt to take RE 455–Diagnostic Reading Instruction—or may opt for an internship during their final semester.

All courses listed for students opting for alternate career choices are offered by other departments at Jackson State University. There is no additional cost involved in this revised curriculum. This curriculum will increase bilateral communication between our department and other departments (from which our students will take upper level courses).

DEPARTMENT OF TECHNOLOGY

Dr. John Colonias, Professor and Interim Chair
OFFICE: J. Y. Woodard Building

FACULTY: Professors I. Omoregie, H. Shih, P. Yuan;
Associate Professor J. Ejiwale, F. Tuluri; Assistant
Professors M. Ali, J. Buck; Instructor S. Thallapally

OBJECTIVES

The objectives of the Department of Technology are as follows:

- To produce competent technologists with specialized educational experiences that will enable them to become capable of ascertaining managerial, supervisory and production positions in areas such as business, industry, and government.
- To produce students with the capability to perform quality research in the area of technology.
- To produce students with the ability to perform and take leadership roles in local, state, and national arenas.

Overall Degree Competencies

Upon the completion of the Industrial Technology program, the student will be able to perform the following overall competencies:

- Demonstrate a broad-based general education, with particular strengths in oral and written technical communications, science and math.
- Display knowledge and skills related to the contemporary technological systems of production and communications.
- Demonstrate knowledge and skills in entry-level technical management, with special emphasis on business organization and management, production planning, quality assurance, industrial organization and industrial safety.
- Exhibit competencies in applying and using technology within a selected technical specialization.
- Apply technological concepts and practices in solving problems related to industry, within both individual and cooperative team environments.
- Access, evaluate and manage technical and managerial information.
- Interpret the evolution of technology and assess its impacts on contemporary industry and society.

Technological Literacy Core Competencies

Upon the completion of the Industrial Technology program, the student will be able to perform the following technological literacy core competencies:

- Demonstrate a general understanding of technology-its structure, organization, systems, terminology, career opportunities and related professional organizations.
- Apply mathematics and science principles in production and communications systems.
- Describe typical applications and their impact on society of processes used in production and communications systems.
- Demonstrate knowledge of basic computer systems, including identity of typical microcomputer system components as well as potential applications, benefits and limitations.

- Communicate information electronically by encoding, transmitting, channeling, receiving and decoding processes.
- Design and produce effective two-dimensional and three-dimensional messages that use a variety of graphic reproduction processes.
- Perform safely common manufacturing techniques used to cast, form, separate, condition, assemble and finish a variety of production materials.

Technology Management Core Competencies

The technology management option is designed to provide students with both theoretical knowledge and practical skills in management that are essential in the 21st century. Courses included in this option provide experiences in plant layout and materials handling, quality control, motion and time study, inventory control, and labor relationships. Typical entry-level professions include production managers, technical managers, supervisors, and field service representatives.

Upon the completion of the technology management option, the students will be able to:

- Exhibit knowledge of federal and state safety legislation and identify the role of management in an industrial safety program.
- Recognize, evaluate and control varied industrial health and safety hazards.
- Demonstrate knowledge of traditional management functions and practices, including applications and limitations of various management schemes.
- Perform production scheduling, develop and monitor an inventory control system, utilize appropriate production planning techniques, and identify and exhibit key factors in project management.
- Solve problems in typical industrial organizations, work effectively in teams, and demonstrate knowledge of the managed area of an industrial enterprise.
- Use appropriate statistical techniques in variable and attribute control charts and in sampling tables for continuous improvement.
- Evaluate and/or implement total quality systems in industry.
- Apply business, marketing and economic principles to solve problems.
- Identify responsibility of supervision and management within various industries.
- Demonstrate communication skills, safe and efficient individual and group work habits, leadership within groups and an attitude of cooperation and tolerance.

Manufacturing & Design Technology Core Competencies

The manufacturing & design technology option is designed to provide students with both theoretical knowledge and practical

skills in manufacturing systems that are essential in the 21st century. Courses included in this option provide experiences in fundamentals of manufacturing, robotics, programmable logic control (PLC), statistical process control (SPC), and computer integrated manufacturing (CIM). Typical entry-level professions include plant managers, technical managers, supervisors, team leaders and field service representatives.

Upon the completion of the manufacturing & design technology option, the student will be able to:

- analyze, select and use industrial materials for production including polymers, ceramics, metals, woods and composites.
- demonstrate proficiency in the manufacturing processes of casting, forming, separating, conditioning, assembling and finishing.
- program and operate computer numerically controlled (CNC) machine tools that utilized appropriate statistical techniques in variable and attribute control charts with sampling tables.
- employ computer-aided design and computer-aided manufacturing (CAD/CAM) for the design, development and production of manufactured goods.
- demonstrate behavioral patterns that include communication skills, safe and efficient individual and group work habits, leadership within groups, and an attitude of cooperation and tolerance.
- recognize, evaluate and control varied industrial health and safety hazards.
- demonstrate knowledge of traditional management functions and practices, including applications and limitations of various management schemes.
- perform production scheduling, develop and monitor an inventory control system, utilize appropriate production planning techniques, and identify and exhibit key factors in project management.
- analyze, design and specify mechanical, hydraulic and pneumatic operations and their components for specific applications.
- describe the impact of various manufacturing systems on society today.

Electronics/Airway Systems Technology Core Competencies

The electronics/airway systems technology option is designed to provide students with both theoretical knowledge and practical skills in electronics/airway systems that are essential in the 21st century. Courses included in this option provide experiences in devices and circuits, digital logic, and regulations of the Federal Aviation Administration. Typical entry-level professions include air traffic controller, pilots, control systems designers, control/field technologists, electronics technologists, and traffic supervisors.

204 \ JACKSON STATE UNIVERSITY

Upon the completion of the electronics/airway systems option, the student will be able to:

- use a variety of electronic test equipment such as analog and digital meters, oscilloscopes, frequency counters, power supplies, logic pulsers and probes in order to verify proper circuit operation or to troubleshoot and solve electrical and electronic problems.
- demonstrate knowledge related to DC/AC, digital, power conversion and control, and microprocessor circuits.
- design, create and integrate programmed solutions via PLC and PC for problems associated with process control.
- utilize electromechanical and microprocessor-based systems in order to implement designed solutions associated with process control.
- retrieve and assess electronics and control information from journals, periodicals, technical manuals, component substitution manuals, Internet, and other technical sources.
- describe the impact of various electronic and control systems on society today.
- demonstrate the systematic research and development process in learning and applying current contemporary electronics and control systems technologies.
- understanding the basic principles of flight, the flight environment, meteorology, basic navigation, aviation physiology, radio navigation systems and the nature of space.
- understanding basic air traffic control operations and their relevance to the safe and orderly movement of aircraft in the National Aerospace System.
- successfully perform with minimum error, taxi, take-off and landing in the FRASCA 131 Simulator.

Computer Technology Core Competencies

The computer technology option is designed to provide students with both theoretical knowledge and practical skills in computer and information technologies. Courses included in this option provide experiences in computer components, networking systems, networking installation and troubleshooting, and operating systems software packages. Graduates of this option typically work as process/product analyst, application analyst, networkers, programmers, or managers of computer operations. Upon the completion of the computer technology option, the student will be able to:

- be familiar with hardware/software functions and troubleshooting.
- be familiar with network administration and the analysis and evaluation of system outputs.
- demonstrate safe and appropriate use of computer technology employed in the work environment.
- understand how a transformer is constructed and how it operates.
- understand the basic structure and characteristics of a capacitor and an inductor.

- apply knowledge of electrical circuits and concepts through testing, troubleshooting, experimentation and problem solving.
- analyze series, parallel and series-parallel RC circuits.
- analyze series, parallel and series-parallel RL circuits.
- analyze series, parallel and series-parallel RLC circuits.
- determine the bandwidth of resonant circuits.

Bachelor of Science: Industrial Technology Major (Electronics/Airway Systems Technology Concentration)

FRESHMAN YEAR		F	S
UNIV 100	University Success	2	
MATH 111	College Algebra	3	
CSC 115 (C)	Digital Computer Principles	3	
FLG 101,102	Foreign Language Options	3	3
HIST 101,102	History of Civilization	3	3
ENG 104,105	Composition	3	3
PE	Any 100 Level Activity Sport	1	1
MATH 112	Plane Trigonometry		3
CHEM 141	General Chemistry		3
CHML 141	General Chemistry Lab		1
(Freshman Year Total: 35 Hours)		18	17

SOPHOMORE YEAR

IT 100	Introduction to Technology	1	
ITE 111	Basic Electronics	3	
ITEL 111	Basic Electronics Lab	1	
ENG 205	World Literature	3	
SPCH 201	Speech Arts	3	
ITMA 105	Industrial Safety Management	3	
ITD 114	Computer Aided Design	3	
PHY 201	Basic Physics I		3
PHYL 201	Basic Physics I Lab		1
ENG 213	Professional Writing		3
MATH 221	Calculus I Industrial or Business		3
ITE 112	Intermediate Electronics		3
ITEL 112	Intermediate Electronics Lab		1
(Sophomore Year Total: 31 Hours)		17	14

JUNIOR YEAR

ITE 221	Devices and Circuits	3	
ITEL 221	Devices and Circuits Lab	1	
ITMA 325 (W)	Industrial Psychology	3	
ART 206	Art Appreciation	3	
MNGT 350	Business Computer Applications	3	
ECO 211	Principles of Macroeconomics	3	
ITE 338	Digital Logic		3

ACADEMIC PROGRAMS / 205

ITEL 338	Digital Logic Lab	1	
IT 300 (S)	Internship/Industrial Experience	3	
ITD 316	Electronics Design	3	
PHIL 301	Introduction to Philosophy	3	
ELEC	Electives	1	

(Junior Year Total: 30 Hours)		16	14
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SENIOR YEAR

ITE 438	PLC	3	
ITE 449	Network Theories	3	
ITEL 449	Network Lab	1	
ITE 452	Fiber Optics and Communications	3	
ITC 400 (W)	Technical Writing	3	
ITE 475	Microprocessor Software/Hardware	3	
ITMA 410	First Line Supervision	3	
ITE 450	Telecomm Systems	3	
ITMA 420 (W)	Labor & Industrial Relations	3	
IT 490 (S)	Senior capstone	3	

(Senior Year Total: 28 Hours)		16	12
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TOTAL HOURS: 124

Course options for students wishing to keep Airway Systems concentration: Students will take the following:

ITAS 204 (W)	Introduction to Aerospace	3	
ITAS 302	Navigation & Nat. Aerospace System	3	
ITAS 304	Aviation Laws and Regulations	3	
ITAS 370	Air Traffic Control	3	
ITAS 401	Flight Safety	3	

Bachelor of Science: Industrial Technology Major (Computer Technology Concentration)

FRESHMAN YEAR

		F	S
UNIV 100	University Success	2	
MATH 111	College Algebra	3	
CSC 115 (C)	Digital Computer Principles	3	
FLG 101,102	Foreign Language Options	3	3
HIST 101,102	History of Civilization	3	3
ENG 104,105	Composition	3	3
PE	Any 100 Level Activity Sport	1	1
MATH 112	Plane Trigonometry	3	
CHEM 141	General Chemistry	3	
CHML 141	General Chemistry Lab	1	

(Freshman Year Total: 35 Hours)		18	17
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SOPHOMORE YEAR

IT 100	Introduction to Technology	1	
ITE 111	Basic Electronics	3	
ITEL 111	Basic Electronics Lab	1	
ENG 205	World Literature	3	
SPCH 201	Speech Arts	3	
ITMA 105	Industrial Safety Management	3	
ITD 114	Computer Aided Design	3	
ITE 112	Intermediate Electronics	3	
ITEL 112	Intermediate Electronics Lab	1	
PHY 201	Basic Physics I	3	
PHYL 201	Basic Physics I Lab	1	
ENG 213	Professional Writing	3	
MATH 221	Calculus I Industrial or Business	3	

(Sophomore Year Total: 31 Hours)		17	14
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JUNIOR YEAR

ITE 221	Devices and Circuits	3	
ITEL 221	Devices and Circuits Lab	1	
ITMA 325 (W)	Industrial Psychology	3	
ART 206	Art Appreciation	3	
MNGT 350	Business Computer Applications	3	
ECO 211	Principles of Macroeconomics	3	
ITE 338	Digital Logic	3	
ITEL 338	Digital Logic Lab	1	
IT 300 (S)	Internship/Industrial Experience	3	
PHIL 301	Introduction to Philosophy	3	

(Junior Year Total: 26 Hours)		16	10
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SENIOR YEAR

ITE 449	Network Theories	3	
ITEL 449	Network Lab	1	
ITE 452	Fiber Optics and Communications	3	
ITE 465 (W)	Microprocessor and Application	3	
ITC 400 (W)	Technical Writing	3	
ITE 475	Microprocessor Software/Hardware	3	
ITE 466	Microprocessor and Troubleshooting	3	
ITE 476	Real Time System Design	3	
ITMA 410	First Line Supervision	3	
ITMA 420 (W)	Labor & Industrial Relations	3	
IT 490 (S)	Senior capstone	3	

(Senior Year Total: 31 Hours)		16	15
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TOTAL HOURS: 124

206 \ JACKSON STATE UNIVERSITY

Bachelor of Science: Industrial Technology Major (Manufacturing and Design Technology Concentration)

FRESHMAN YEAR		F	S
UNIV 100	University Success	2	
MATH 111	College Algebra	3	
CSC 115 (C)	Digital Computer Principles	3	
FLG 101,102	Foreign Language Options	3	3
HIST 101,102	History of Civilization	3	3
ENG 104,105	Composition	3	3
PE	Any 100 Level Activity Sport	1	1
MATH 112	Plane Trigonometry		3
CHEM 141	General Chemistry		3
CHML 141	General Chemistry Lab		1
(Freshman Year Total: 35 Hours)		18	17

SOPHOMORE YEAR

IT 100	Introduction to Technology	1	
ITD 114	Computer Aided Design	3	
ITMA 105	Industrial Safety Management	3	
ITMF 206	Intro. To Manufacturing Processes	3	
ENG 205	World Literature	3	
ELEC	Electives	3	
PHY 201	Basic Physics I		3
PHYL 201	Basic Physics I Lab		1
SPCH 201	Speech Arts		3
ITD 203	Adv. Computer-Aided Design		3
ENG 213	Professional Writing		3
MATH 221	Calculus I Industrial or Business		3
(Sophomore Year Total: 32 Hours)		16	16

JUNIOR YEAR

ITD 327	Machine Design	3	
ITMF 339	Materials Testing	3	
ITMA 325W	Industrial Psychology	3	
ART 206	Art Appreciation	3	
ECO 211	Principles of Macroeconomics	3	
MNGT 350	Business Computer Applications		3
ITMF 340	Hydraulics & Fluid Power Systems		3
IT 300 (S)	Internship/Industrial Experience		3
PHIL 301	Introduction to Philosophy		3
(Junior Year Total: 27 Hours)		15	12

SENIOR YEAR

ITMF 410	Computer Numerical Control	3	
ITC 400 (W)	Technical Writing	3	
ITMF 425	Robotics	3	

ETD 361	Statics	3	
ITMA 423	Motion and Time Study	3	
ITMA 410	First Line Supervision		3
ETD 362	Material Mechanics		3
ITMA 420 (W)	Labor & Industrial Relations		3
ITMA 425	Plant Layout		3
IT 490 (S)	Senior capstone		3
(Senior Year Total: 30 Hours)		15	15

TOTAL HOURS: 124

Recommended Electives:		Hours:	
ITD 411	Engineering Drawing		3
ITE 438	PLC		3
ITMF 420	Advanced Manufacturing Technology		3
ITMF 430	Factory Automation		3

Bachelor of Science: Industrial Technology Major (Technology Management Concentration)

FRESHMAN YEAR		F	S
UNIV 100	University Success	2	
MATH 111	College Algebra	3	
CSC 115 (C)	Digital Computer Principles	3	
FLG 101,102	Foreign Language Options	3	3
HIST 101,102	History of Civilization	3	3
ENG 104,105	Composition	3	3
PE	Any 100 Level Activity Sport	1	1
MATH 112	Plane Trigonometry		3
CHEM 141	General Chemistry		3
CHML 141	General Chemistry Lab		1
(Freshman Year Total: 35 Hours)		18	17

SOPHOMORE YEAR

IT 100	Introduction to Technology	1	
ITD 114	Computer Aided Design	3	
ITMA 105	Industrial Safety Management	3	
PHY 201	Basic Physics I	3	
PHYL 201	Basic Physics I Lab	1	
ITMF 206	Intro. To Manufacturing Processes	3	
ENG 205	World Literature	3	
SPCH 201	Speech Arts		3
MNGT 350	Business Computer Applications		3
ENG 213	Professional Writing		3
MATH 221	Calculus I Industrial or Business		3
ELEC	Electives		3
(Sophomore Year Total: 32 Hours)		17	15

JUNIOR YEAR

ITMA 328	American Industry	3	
ITMA 325W	Industrial Psychology	3	
ART 206	Art Appreciation	3	
ECO 211	Principles of Macroeconomics	3	
ITHM 300	Principles of Hazardous Mat. Mgnt	3	
ITHM 301	Regulatory Framework		3
ITHM 302	Tech. Treatment of Hazardous Matrl		3
IT 300 (S)	Internship/Industrial Experience		3
PHIL 301	Introduction to Philosophy		3

(Junior Year Total: 30 Hours)	15	12
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SENIOR YEAR

ITHM 402	Industrial Hygiene	3	
ITHM 405	Rick Assessment	3	
ITMA 411	Production & Inventory Managemnt	3	
ITC 400 (S)	Technical Writing	3	
ITMA 423	Motion and Time Study	3	
ITMA 410	First Line Supervision		3
ITMA 420 (W)	Labor & Industrial Relations		3
ITMA 424	Quality Control		3
ITMA 425	Plant Layout		3
IT 490 (S)	Senior capstone		3

(Senior Year Total: 30 Hours)	15	15
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TOTAL HOURS: 124

Recommended Electives:

GIS 200	Elementary Surveying & GIS	3
GIS 210	Digital Imaging & Orthography	3
GIS 300	Lidar Mapping	3
GIS 400	Global Positioning Systems	3



DESCRIPTION OF COURSES

INDEX OF COURSE PREFIXES

DESCRIPTION OF COURSES BY DISCIPLINE

INDEX OF COURSE PREFIXES

Prefix	Course Title	Page #
ACC	Accounting.	209
ARAB	Arabic.	244
ART	Art.	210
AS	Aerospace Science.. . . .	212
ASL	Aerospace Science Lab.. . . .	212
BIO	Biology.	214
BIOL	Biology Lab.. . . .	214
BPD	Business Professional Development.	213
CH	Chinese.	245
CHEM	Chemistry.	219
CHML	Chemistry Lab.. . . .	220
CIV	Civil Engineering.	235
CIVL	Civil Engineering Lab.. . . .	235
CJ	Criminal Justice.. . . .	222
CLL	College of Lifelong Learning.	223
CMD	Communicative Disorders.. . . .	225
CPE	Computer Engineering.	238
CPEL	Computer Engineering Lab.. . . .	238
CRR	Commercial Recreation and Resorts.. . . .	224
CS	Communication Skills.. . . .	226
CSC	Computer Science.. . . .	226
CSCL	Computer Science Lab.	227
DR	Drama.	229
DRL	Drama Lab.. . . .	229
ECO	Economics.. . . .	230
EDCI	Elementary Education.	231
EDFL	Educational Leadership.. . . .	233
EDSE	Secondary Education.. . . .	234
EN	Engineering (General).. . . .	234
ENL	Engineering (General) Lab.	234
ENG	English.	240
ENTR	Entrepreneurship.. . . .	213
ETD	Pre-Engineering.. . . .	242
ETEC	Education Technology.. . . .	234
FBL	Faith-Based Leadership.. . . .	224
FIN	Finance.	243
FLG	Foreign Languages.	244
FR	French.	245

GB	General Business.. . . .	243
GEOG	Geography.. . . .	246
GNST	General Studies.. . . .	247
GR	German.	248
GUID	Guidance.. . . .	248
HCA	Health Care Administration.. . . .	249
HE	Health.	251
HIST	History.. . . .	252
IT	Technology.	255
ITAS	Technology.	255
ITC	Technology.	256
ITD	Technology.	256
ITE	Technology.	257
ITEL	Technology Lab.. . . .	257
ITHM	Technology.	258
ITMA	Technology.	258
ITMF	Technology.	258
LS	Library Science.	259
LSED	Library Science Education.	259
MATH	Mathematics.	260
MC	Mass Communications.	263
MET	Meteorology.	266
MIS	Management Information Systems.	267
MKT	Marketing.	268
MNGT	Management.	266
MS	Military Science.	269
MUS	Music.. . . .	270
PE	Physical Education.	288
PHIL	Philosophy.. . . .	291
PHY	Physics.. . . .	292
PHYL	Physics Lab.. . . .	292
PS	Political Science.	294
PSY	Psychology.	297
RE	Reading.	298
REC	Recreation.	299
SCI	General Science.. . . .	300
SE	Drivers Education.	302
SOC	Sociology.. . . .	302
SP	Spanish.	245, 305
SPCH	Speech Communication.. . . .	306
SPED	Special Education.	307
SS	Social Science.. . . .	309
SW	Social Work.. . . .	310
TREC	Therapeutic Recreation.	313
UA	Urban Studies.	314
UNIV	University Success.	213, 225, 315

DESCRIPTION OF COURSES BY DISCIPLINE

ACCOUNTING

Department of Accounting
OFFICE: College of Business Building–Suite 462

ACC 211 (3) Principles of Financial Accounting. Prerequisite: Sophomore classification recommended. Accounting principles and concepts relative to general use of accounting information, double entry bookkeeping, and financial reporting. (F, S)

ACC 212 (3) Principles of Managerial Accounting. Prerequisite: ACC 211. Accounting principles and concepts as applied to managerial accounting. (F, S)

ACC 314 (3) Intermediate Accounting I. Prerequisite: ACC 212. A study of the functions of financial accounting, basic theory, asset and liability recognition and measurement. (F, S)

ACC 315 (3) Intermediate Accounting II. Prerequisite: ACC 314. A study of accounting theory and practice as applied to stockholders' equity, dilutive securities, investments, income measurement issues, and preparation and analysis of financial statements. (F, S)

ACC 321 (3) Cost Accounting I. Prerequisite: ACC 212. An introduction to the development and use of accounting information for internal decision making. Topics include: cost terminology and classifications, cost accumulation and analysis, CVP analysis, budgets and standard costs, inventory costing, and relevant costs for decision making. (F, S)

ACC 381 (3) Government and NFP Accounting. Prerequisite: ACC 212. A study of accounting practice and theory as it related to state and local governments, and other non-for-profit entities. (F, S)

ACC 423 (3) Income Tax Accounting. Prerequisite: ACC 212. An in-depth study of federal and state income tax laws, tax research methods, effects on the distribution of individual income. (F, S)

ACC 436 (3) Advanced and International Accounting. Prerequisite: ACC 315. Special accounting problems related to partnerships, consolidations, international operations, and International Financial Reporting Standards. (F, S)

Jackson State University
A Comprehensive/Urban University
Jackson, Mississippi

210 \ JACKSON STATE UNIVERSITY

ACC 455W (3) **Auditing.** Prerequisite: ACC 315. Analysis of the problems encountered by practicing public accountants as related to financial statements audits; preparation of working papers and reports; and professional ethics. This course has been designated as a "Writing Across the Curriculum" course. (F, S)

ACC 461 (3) **CPA Review I.** Prerequisite: ACC 315 and Senior standing. An intensive review of accounting for business enterprises, taxation, managerial, and governmental and not-for-profit accounting as tested on the CPA examination. (D)

ACC 473 (3) **Advanced Income Tax Accounting.** Prerequisite: ACC 423. A study of federal and state income tax laws for fiduciaries, partnerships, and corporations integrating recent technologies and research applications. (F, S)

ACC 492 (3) **Accounting Information Systems.** Prerequisite: ACC 314. A study of theory and practice as applied to accounting information systems. The course examines the process of purchasing or designing accounting systems and a variety of topics dealing with the role of technology in building, implementing, controlling, and auditing accounting information system. A secondary goal of the course is to help students become more comfortable using computer based tools including e-mail, accounting software and the World Wide Web. (F, S)

ACC 495 (3) **Special Topics in Accounting.** Prerequisite: ACC 212 and consent of department chair. Independent study of accounting topics. Credit granted for formalized research studies and/or accounting practicum (co-op). (F, S, Sum)

ART

Department of Art

OFFICE: Dollye M. E. Robinson Building, Room #455

ART 101 (3) **Art Fundamentals.** Designed for non-Art majors. Study and experimentation with art elements and art principles.

ART 102 (3) **Design I.** Exploration of processes and concepts of the visual arts and an introduction to design fundamentals.

ART 103 (3) **Introduction to Graphic Design.** Students are introduced to problem-solving strategies in graphic design.

ART 111 (3) **Drawing I.** Introduction to drawing with emphasis on the use of various media and techniques.

ART 112 (3) **Drawing II.** Prerequisite: ART 111. Representational drawing, concerned with space and volume relationships.

ART 201 (3) **Design II.** Introduction to two dimensional composition with emphasis on art elements and art principles.

ART 202 (3) **Design III.** Introduction to design in the third dimension with emphasis on art elements, art principles, and color theory.

ART 206 (3) **Art Appreciation.** Introduction to art and survey of architecture, painting, sculpture and related arts. Not required for art majors.

ART 211 (3) **Introduction to Ceramics.** Introduction and experimentation with various forming processes in ceramics; study of the nature and properties of clay; firing procedures; methods of glazing and decorating ceramic wares.

ART 216 (3) **Drawing III.** Prerequisites: ART 111, 112. Representational drawing from models.

ART 217 (3) **Drawing IV.** Prerequisite: ART 216. Figure drawing with emphasis on inventive lines and independent expression.

ART 221 (3) **Art History.** Survey of art history from prehistoric civilizations through the Renaissance.

ART 222 (3) **Art History.** Prerequisite: ART 221. Survey of art history from Baroque through contemporary movements.

ART 224 (3) **Introduction to Painting.** Prerequisite: ART 111, 112. Introduction to media and procedures in painting.

ART 232 (3) **Introduction to Sculpture.** Prerequisites: ART 111, 112, 201. Introduction to the media, tools, and procedures in sculpture.

ART 242 (3) **Introduction to Printmaking.** Prerequisites: ART 111, 112. Introduction to Printmaking processes.

ART 301 (3) **Art for Children.** Study and experimentation with art programming and art activities in the elementary school.

ART 302 (3) **Introduction to Computer Graphics.** Introduction to employment of the computer in graphic design.

ART 303 (3) **Advanced Computer Graphics.** Prerequisite: ART 302. Advanced problems in using Macintosh computers.

ART 310 (3) **Color Theory and Design.** Prerequisites: ART 201. Introduction to color theories in two-dimensional design.

DESCRIPTION OF COURSES / 211

ART 311 (3) **Lettering.** Prerequisite: Art 201. Introduction to the fundamentals, techniques, and basic principles of lettering.

ART 312 (3) **Ceramics.** Prerequisite: ART 211. Advanced clay forming. Introduction to wheel throwing, and ceramic decoration procedures.

ART 313 (3) **Ceramics.** Prerequisite: ART 312. Introduction to ceramic processes, mold making, slip casting and the hand jigger process.

ART 314 (3) **Ceramics.** Prerequisite: ART 313. Experimentation with ceramic materials, properties and classification and calculation, compounding of ceramic glazes and clay bodies.

ART 322 (3) **Painting.** Prerequisites: ART 201, 224. Special emphasis on composition utilizing the elements of design.

ART 323 (3) **Painting.** Prerequisite: ART 322. Figure painting.

ART 324 (3) **Painting.** Prerequisite: ART 323. Experimentation with a variety of subjects emphasizing procedures, style and composition.

ART 327 (3) **Advertising Art.** Prerequisites: ART 201, 311. Combination of research, design and expression in all phases of advertising with emphasis on layout.

ART 332 (3) **Sculpture.** Prerequisite: ART 232. Basic procedures in casting with varied media. Emphasis on piece molds and waste molds.

ART 333 (3) **Sculpture.** Prerequisite: ART 332. Experimentation with procedures in construction of sculpture, combining materials and exploring spatial relationships.

ART 334 (3) **Sculpture.** Prerequisite: ART 232, 333. Introduction to wood; exploring its possibilities as a sculpture medium, and independent research and experimentation.

ART 335 (3) **Introduction to Photography.** Introduction to basic camera operation and black and white darkroom procedures, with an emphasis on creative applications for photography.

ART 337 (3) **Non-Western Art.** Survey of Non-Western Art: The Art of Africa, India and China are discussed.

ART 338 (3) **African American Art.** A survey of African American Art from 1619 to the present.

ART 342 (3) **Printmaking.** Prerequisite: ART 242. Introduction to silk screen printing.

ART 343 (3) **Printmaking.** Prerequisite: ART 342. Independent study in Printmaking.

ART 349 (3) **Graphic Design.** Prerequisite: ART 201. Basic problems in advertisement with emphasis on illustration.

ART 351 (3) **Graphic Design.** Prerequisite: ART 349. Product advertisement with emphasis on illustration.

ART 403 (3) **Design.** Prerequisites: ART 201 and 202. Advanced problems in design.

ART 412 (3) **Painting.** Prerequisite: ART 324. Advanced problems in painting.

ART 413 (3) **Painting.** Prerequisite: ART 324. Advanced independent research and experimentation in painting.

ART 414 (3) **Ceramics.** Prerequisite: ART 314. Special problems in ceramic kiln design and construction.

ART 415 (3) **Ceramics.** Prerequisite: ART 414. Independent study and experimentation with ceramic sculpture and introduction to the history of ceramics.

ART 416 (3) **Sculpture.** Prerequisite: ART 331. Introduction to Lost Wax casting.

ART 417 (3) **Sculpture.** Prerequisite: ART 416. Special problems independent research and experimentation in sculpture.

ART 418 (3) **Display Design.** Developing designs for display purposes.

ART 420 (3) **Photography.** Introduction to camera operation, chemical solutions, negative development and contact printing.

ART 421 (3) **Photography.** Prerequisite: ART 420. Advanced problems in photography.

ART 430 (12) **Apprenticeship.** Training with professional designers of firms, eight hours per day for one semester. Students must have completed seven semesters in graphic design.

ART 441 (3) **Computer Aided Design.** Students are introduced to 3-D rendering of products.

ART 445 (3) **Printmaking.** Prerequisites: ART 342 and 343. Special problems in Printmaking.

ART 446 (3) **Printmaking.** Prerequisite: ART 443. Advanced independent research and experimentation in Printmaking.

212 \ JACKSON STATE UNIVERSITY

ART 451 (1) **Critique.** Weekly presentation of art works for critique and discussion.

ART 453 (2) **Seminar on Aesthetics.** Evaluation of current art ideologies, styles, techniques, media, and modern approaches in contemporary art. (Open to seniors only.)

ART 454 (1) **Professional Practices.** This course prepares students to meet the challenges of professional practice within the arts. Components of this class include building a resume, writing an artist's statement, portfolio development, and strategies for a web presence, grant funding, self-promotion, marketing strategies, presentation, and senior exhibition.

ART 455 (3) **African Art.** Study of the art of West and Central Africa.

ART 456 (3) **African American Art.** A study of the art of African Americans, showing its development in the Americas from 1600 to the present.

AEROSPACE STUDIES

Department of Aerospace Studies OFFICE: AFROTC Building

AS 101 (1) **The Foundation of the United States Air Force (General Military Course)** Corequisite: AF 101L. A survey course designed to introduce students to the United States Air Force and Air Force Reserve Officer Training Corps. Featured topics include: mission and organization of the Air Force, officership and professionalism, military customs and courtesies, Air Force officer opportunities, group leadership problems, and an introduction to communication skills. Leadership Laboratory is mandatory for Air Force ROTC cadets, and complements this course by providing cadets with followership experiences.

AS 102 (1) **The Foundation of the United States Air Force (General Military Course)** Corequisite: AF 102L. Continuation of AF 101. A weekly Leadership Laboratory is mandatory.

AS 101L/AF 102L (1) **Leadership Laboratory** Consists of Air Force customs, courtesies, health, mandatory physical fitness, field training orientation, drill and ceremonies. These courses are graded Pass/Fail.

AS 201 (1) **The Evolution of USAF Air and Space Power (General Military Course)** The AF 201 course is designed to examine the general aspects of air and space power through a historical perspective. Utilizing this perspective, the course covers a time period from the first balloons and dirigibles to the

space age global positioning systems of the Persian Gulf War. Historical examples are provided to extrapolate the development of Air Force capabilities (competencies), and missions (functions) to demonstrate the evolution of what has become today's USAF air and space power. Furthermore, the course examines several fundamental truths associated with war in the third dimension: e.g. Principles of War and Tenets of Air and Space Power. As a whole, this course provides the cadets with a knowledge level understanding for the general element and employment of air and space power, from an institutional, doctrinal and historical perspective. In addition, the students will continue to discuss the importance of the Air Force Core Values, through the use of operational examples and historical Air Force leaders, and will continue to develop their communication skills. Leadership Laboratory is mandatory for AFROTC cadets and complements this course by providing cadets with followership experiences.

AS 202 (1) **The Evolution of USAF Air and Space Power (General Military Course)** Corequisite: AF 202L. Continuation of AF 201. A weekly Leadership Laboratory is mandatory.

AS 201L/AF 202L (1) **Leadership Laboratory** Consists of Air Force customs, courtesies, health, mandatory physical fitness, drill, ceremonies, and field training orientation. These courses are graded Pass/Fail.

AS 301 (3) **Air Force Leadership Studies (Professional Officer Course)** A study of leadership, management fundamentals, professional knowledge, Air Force personnel evaluation systems, leadership ethics, and the communication skills required of an Air Force junior officer. Case studies are used to examine Air Force leadership and management situations as a means of demonstrating and exercising practical applications of the concepts being studied. A mandatory Leadership Laboratory complements this course by providing advanced leadership experience in officer-type activities, giving students the opportunity to apply the leadership and management principles of this course.

AS 302 (3) **Air Force Leadership Studies (Professional Officer Course)** Corequisite: AF 302L Continuation of AF 301. A weekly Leadership Laboratory is mandatory.

AS 301L/AF 302 (1) **Leadership Laboratory** Prerequisites: Completion of the General Military Course or Two-Year Program selection and/or approval of the Professor of Aerospace Studies. Provides advanced leadership experience in officer type activities, giving students the opportunity to apply leadership and management principles. Includes a mandatory physical fitness program. These courses are graded Pass/Fail.

AS 401 (3) **National Security Affairs and Preparation for Active Duty (Professional Officer Course)** Corequisite: AF

401L. Examines the national security process, regional studies, advanced leadership ethics, and Air Force doctrine. Special topics of interest focus on the military as a profession, officership, military justice, civilian control of the military, preparation for active duty, and current issues affecting military professionalism. Within this structure, continued emphasis is given to the refinement of communication skills. An additional Leadership Laboratory complements this course by providing advanced leadership management principles.

AS 402 (3) **National Security Affairs and Preparation for Active Duty (Professional Officer Course)** Corequisite: AF 402L. Continuation of AF 401. A weekly Leadership Laboratory is mandatory.

AS 401L/AF 402L (1) **Leadership Laboratory** Prerequisites: Completion of the General Military Course or Two- Year Program selection and/or approval of the Professor of Aerospace Studies. Provides advanced leadership experiences in officer type activities, giving students the opportunity to apply leadership and management principles. Includes a mandatory physical fitness program. These courses are graded Pass/Fail.

AS 403L/AF 404L (1) **Leadership Laboratory** Mandatory. Prerequisites: Completion of the POC. Provides advanced leadership experiences in officer-type activities. These courses are graded Pass/Fail.

ENTREPRENEURSHIP AND PROFESSIONAL DEVELOPMENT

**Department of Entrepreneurship and
Professional Development
OFFICE: College of Business Building–Suite 332**

University Success

UNIV 101 (2) **University Success for Business Majors.** This course is designed to assist the first year students in their adjustment to college life and in exploring career options. Emphases will be placed on self-assessment, image development, credit/money management, winning attitudes, goal setting, dressing for success, constructing personal web pages, action research, portfolio development, leadership skills, and library usage. Personal Development activities relative to the students' academic, social and professional success are reinforced through participation in enrichment workshops, seminars, student organizations, service learning, and mentoring. (F, S)

Business Professional Development

BPD 200 (3) **Introduction to Business.** Prerequisites: UNIV 101. This course is designed to introduce students to the basic concepts of business. Students receive instruction regarding the business environment, management of the enterprise, marketing management, accounting and financial management, and business careers. Professional dress is required. (F, S)

BPD 325W (3) **Business Communications.** Prerequisites: ENG 104, 105, 205, UNIV 101, BPD 200, and junior standing. This course is designed to merge written, oral and nonverbal communication theory and applications. Strong emphasis will be given to leadership theory and development content, organization, presentation, networking, problem-solving and decision-making. Students are provided opportunities to participate in mentoring activities. Mandatory attendance at executive lecture series and special writing/speaking clinics. Students must actively participate in at least one business student organization and complete the Business II and/or GMAT test preparation exercises. Professional dress is required. (F, S)

Entrepreneurship

ENTR 380 (3) **Foundations of Entrepreneurship.** An introductory course designed to familiarize students with the world of small business, and analyze the personal strengths and weaknesses of students relative to launching a career in entrepreneurship. Attention is given to planning, financing, starting, and managing a new business. Elective–open to all majors. (F, S, Sum)

ENTR 381 (3) **Entrepreneurship and Small Business Management.** Prerequisites: BPD 325W, MNGT 330, and Junior standing. This course is designed to prepare the entrepreneurship student for the general management role of the entrepreneur. Critical issues affecting entrepreneurship and small business management will be examined. The primary focus of the course will include small business planning, locating and using information, and the fundamentals of business planning. A comparative view of entrepreneurship and case analyses will be used. (F, S)

ENTR 382 (3) **Entrepreneurial Financing, Accounting, and Control.** Prerequisites: ENTR 381, FIN 320, and Junior standing. The course will focus on understanding and exploring the requirements, costs and benefits of various forms of financing options open to the entrepreneur. Special emphasis will be placed on finance issues of particular relevance to the minority entrepreneur, as well as on funding sources for capital and operating needs of minority

entrepreneurs. Methods of profit planning and cash flow management will be covered. Accounting for small business and internal controls will be stressed. (F)

ENTR 482 (3) Financing Entrepreneurship Ventures. Prerequisites: ENTR 381, 382, BPD 325W, and Senior standing. This course will explore financing entrepreneurial companies at various phases of the life cycle. Students will also gain an understanding of what is in the numbers and how they reflect a specific strategy. Other topics will include financing of start-up businesses, season business, acquisitions, and public offerings. Also emphasis will be placed on analyzing legal documents so that the student will have a practical experience in this critical aspect of financing entrepreneurial ventures. (S)

ENTR 483 (3) Marketing for Entrepreneurs. Prerequisites: MKT 351, MNGT 330, ENTR 381, 382, and Senior standing. This course is designed to introduce the new entrepreneur to the importance and role of marketing strategies in creating and organizing a new business, as well as in existing small businesses. The major emphasis will be on: ways to analyze and define the target market, evaluating competition, environmental trends, determining customer preference, and developing a marketing strategy for the start-up or existing business. (S)

ENTR 484 (3) Internship in Entrepreneurial Studies. Prerequisites: ENTR 381, 382, BPD 325W, Junior standing and departmental approval. Supervised work experience in simulated student-managed business enterprises and new or emerging small business ventures which focus on the creation of jobs. (F, S, Sum)

ENTR 485 (3) Entrepreneurship Senior Project. Prerequisites: Senior standing, ENTR 381, 382, 482, 483, BPD 325W, and departmental approval. This capstone course will focus on the development of a plan for a new business. Strategic planning for successful marketing and expansion will be stressed. Thorough planning of a venture will be required to include all components of a marketable business plan. Students will be expected to market the plan to actual sources of capital to secure potential financing for the venture. Students will be required to meet and work with successful entrepreneurs. (F)

ENTR 486 (3) Entrepreneurship and International Business. Prerequisite: Senior standing. This course will focus on marketing orientation of the political, social, legal, and economic environment of business. Student will study and develop marketing programs and how to incorporate these strategies to enhance a small business. Emphasis will also be placed on formulation of strategies for design, pricing, channels, and promotion of products/services. (F)

ENTR 487 (3) Family Business Management. Prerequisites: ENTR 382 and Junior standing. This course will explore the

unique challenges and opportunities present in managing a family business. Topics will include: the decision to join the family firm, establishing credibility as a son or daughter, the stages of family business growth, strategic planning in the family firm, dealing with non-family managers, and succession. (S)

ENTR 488 (3) Strategies in Entrepreneurship. Prerequisite: Senior standing. This course is designed to provide students an opportunity to study current and relevant issues pertinent to the operation of a business. Students will use the knowledge gained from research to determine how their ventures may be affected. Through this process, students will continue to learn how to assess their personal aptitude and potential for small business, find and evaluate business opportunities, secure essential funding, and organize and manage such functional business areas such as manufacturing, marketing, accounting and finance. (F)

BIOLOGY

Department of Biology OFFICE: John A. Peoples Science Building

BIO 101 (2) Introduction to Biology. Designed to acquaint the student with fundamental principles of biological science and their functional applications. This course is primarily for the general education program. (F, S, Sum)

BIOL 101 (1) Introduction to Biology Lab. Laboratory experience designed to re-enforce lecture materials in BIO 101. Primarily, the activities will involve the study of the basic principles in Biology including cell structures, metabolism, photosynthesis, genetics, etc. (F, S, Sum)

BIO 103 (3) Environmental Science. An introduction to the fundamental principles of ecology, biology, and chemistry for a better understanding of the interrelationships between man and his environment. (F, S, Sum)

BIOL 103 (1) Environmental Science Lab. Laboratories will consist of demonstrations of lecture materials as well as films and outside speakers relative to each week's topic. Field trips will be planned when appropriate. (F, S, Sum)

BIO 105 (2) Introduction to Botany. An introduction to the basic principles of botany especially those that have an impact on human affairs. Must be taken concurrently with BIOL 105. Designed for the general education requirement. (F, S, Sum)

BIOL 105 (1) Introduction to Botany Lab. The laboratory exercises will consist of studies pertaining to morphology,

DESCRIPTION OF COURSES / 215

physiology, and taxonomy of lower and higher plants. (F, S, Sum)

BIO 106 (2) Introduction to Marine Science. An introduction to the fundamental principles in key areas of marine science. Emphasis will be placed on marine and estuarine ecology, marine chemistry, diversity of marine flora and fauna, etc. Must be taken concurrently with BIOL 106. (F, S, Sum)

BIOL 106 (1) Introduction to Marine Science Lab. Laboratory exercises and field trips will provide students with practical experience in the basic biology using the marine environment as a model. (F, S, Sum)

BIO 107 (2) Introduction to Zoology. Prerequisite: BIO 101. Diversification of animal groups and adaptive changes pertinent to solving problems of survival. Designed for the general education program. (F, S, Sum)

BIOL 107 (1) Introduction to Zoology Lab. Laboratory exercises involving basic structure of protozoa through chordata. (F, S, Sum)

BIO 111 (3) General Biology. An introduction to the major unifying concepts among the biological sciences: metabolism, physiology, organization, genetics, evolution, and ecology. (F, S, Sum)

BIOL 111 (1) General Biology Lab. Prerequisite: Concurrent enrollment in BIO 111. Laboratory experiments designed to study the principles of metabolism, photosynthesis, genetics and other principles basic to biology. (F, S, Sum)

BIO 112 (3) General Biology. Prerequisite: BIO 111. An introduction to the major unifying concepts among the biological sciences: metabolism, physiology, organization, genetics, evolution, and ecology. (F, S, Sum)

BIOL 112 (1) General Biology Lab. Continuation of laboratory experiments begun in BIOL 111. Exercises will complement those topics covered in BIO 112. (F, S, Sum)

BIO 114 (2) Introduction to Marine/Environmental Sciences. An introduction to the fundamental principles of marine and environmental sciences. Emphasis will be placed on broad treatment of aquatic and terrestrial ecology, chemistry, pollution, and biodiversity for a better understanding of the interrelationships between man and his environment. (F, S)

BIO 115 (3) General Zoology. Study of the phyla protozoa through chordata. (F, S, Sum)

BIOL 115 (1) General Zoology Lab. Laboratory exercise involving the basic structure of protozoans through chordates. Laboratory must be taken with lecture (BIO 115). (F, S, Sum)

BIO 119 (3) General Botany. Prerequisite: BIO 111 and 112. Fundamentals of plant morphology, plant taxonomy and plant physiology are discussed in addition to the survey of lower and higher plants. (F, S, Sum)

BIOL 119 (1) General Botany Lab. Laboratory exercises pertaining to plant morphology, plant taxonomy, plant physiology, and lower and higher plants are conducted. Laboratory must be taken with the lecture. (F, S, Sum)

BIO 200 (3) Introduction to Cell Biology. Emphasis on the structure and function of cellular organelles. Introduction to bioenergetics and enzymes. Laboratory instruction for developing molecular biological techniques. (Sum)

BIO 201 (3) Introduction to Environmental Science. Basic environmental principles involved in natural environments will be addressed. Their relationships to human environmental functioning will be stressed. (S)

BIOL 201 (1) Introduction to Environmental Science Lab. Laboratory studies, field trips, and speakers will focus on pollution, environmental degradation and population problems relative to natural versus built environments. (S)

BIO 202 (3) Elementary Biostatistics. This course is designed as an applied introductory course for biology students. The students will be exposed to the basic concepts of biostatistics that will form the foundation for future admission to other schools that include biostatistics in their requirements. The Statistical Analysis System (SAS) computer software will be used to analyze and explain the various concepts. The course serves as a prerequisite for BIO 511. (F, S)

BIO 213 (3) Principles of Microbiology. Prerequisite: BIO 112. Cultural and immunological properties of medically important bacteria and viruses and their epidemiology. Concepts of pathogenicity, antibiotic action, and drug resistance. (F, S, Sum)

BIOL 213 (1) Principles of Microbiology Lab. Methods for isolating pathogenic bacteria and determining their significant properties. Laboratory must be taken with lecture. (F, S, Sum)

BIO 218 (3) Comparative Anatomy. Prerequisites: BIO 111 and 112. Comparative study of vertebrate organ systems. (F, S, Sum)

BIOL 218 (1) Comparative Anatomy Lab. Detailed dissection of the shark, cat, and other selected vertebrates. Must be taken with lecture. (F, S, Sum)

BIO 233 (3) Anatomy and Physiology. Prerequisite: BIO 112. The structure and function of the human body, tissues, skeletal,

216 \ JACKSON STATE UNIVERSITY

muscular, endocrine, circulatory, respiratory, reproductive and urinary systems. (F, S, Sum)

BIO 233 (1) Anatomy and Physiology Lab. Laboratory study of selected biological systems utilizing preserved specimens and models. Laboratory must be taken with lecture. (F, S, Sum)

BIO 234 (3) Human Anatomy and Physiology I. Prerequisites: BIO 111 and 112. A study of introductory biological principles and some of the structure, physiology, and disorders of the human body with emphasis on the various organs and systems. (F, S, Sum)

BIO 235 (3) Human Anatomy and Physiology II. Prerequisite: BIO 234. A study of the structure, physiology and disorders of the human body with emphasis on the various organs and systems. (F, S, Sum)

BIO 236 (3) Concepts of Public Health. This course provides an introduction to the concepts and practice of public health at the community, state, and national levels. It addresses the philosophy, purpose, history, organization, function, tools, activities, and result of public health practice. (F, S)

BIO 304 (2) Survey of Marine Sciences. Introduction to subject matter and scope of the various marine studies specialties with view to stimulating undergraduate interest in participating in marine sciences program. No formal laboratory. (F, S)

BIO 313 (3) Introduction to Microbiology. Prerequisites: BIO 112, 115, CHEM 141, 142, 241, and 242. The study of bacteria, molds, yeasts, and viruses. Structure, growth, and the significance of these organisms in medicine, industry, and environment. (F, S, Sum)

BIOL 313 (1) Introduction to Microbiology Lab. Laboratory designed to acquaint students with techniques for culturing and identifying bacteria and fungi. Must be taken with lecture. (F, S, Sum)

BIO 318 (3) Introductory Genetics. Prerequisites: BIO 112, 115 and 119; open for juniors and seniors only. An introductory study of the principles of heredity to include mechanisms of gene action and gene diversity. (F, S, Sum)

BIOL 318 (1) Introductory Genetics Lab. Prerequisites: BIO 111, 112, 115, and 119. Designed to illustrate genetic principles through laboratory experiences. Studies on *Drosophila* and plant genetics are utilized. Must be taken with lecture. (F, S, Sum)

BIO 324 (3) Vertebrate Embryology. Prerequisites: BIO 114, 115, and 218. Descriptive and comparative development of the amphibian, avian, and mammalian embryos. (S)

BIOL 324 (1) Vertebrate Embryology Lab. Prerequisite: Current enrollment in BIO 324. Laboratory studies of frog, chick and pig. (S)

BIO 332 (3) Parasitology. Prerequisites: BIO 110, 114, and 115. The basic principles of parasitology. Emphasis will be placed on classification, morphology, life-histories, host-parasite relationships, and ecology of the important parasites of man and other animals. (F, S)

BIOL 332 (1) Parasitology Lab. Prerequisite: Concurrent enrollment in BIO 332. Laboratory study of parasitic organisms with respect to morphology and physiology. (F, S)

BIO 380 (3) Modern Molecular Biology. Prerequisites: BIO 313, 318, CHEM 241, and 242. A study of the structure of biological molecules and how these molecules regulate the various metabolic processes of the cell, a study of genetics and cell biology at the molecular level. (S)

BIO 390 (1) Seminar in Biology. Prerequisite: Junior or senior standing. Student is provided with an opportunity to present an oral and written report on current scientific topics in an attempt to acquire the fundamentals of biological statistics and to evaluate critically scientific papers. (F, S, Sum)

BIO 391 (2) Introduction to Research. Basic research methodology in the biological sciences will be demonstrated. Faculty advisors will be assigned on the basis of the nature of the project. (F, S, Sum)

BIO 392 (2) Independent Study. Prerequisite: Junior or senior standing. Students will elect a specific topic that is not covered in other biology courses. The student, working independently will be required to submit a paper that includes an exhaustive review of literature. (F, S, Sum)

BIO 393 (3) Introduction to Medical Terminology. Prerequisites: Junior standing or consent of instructor. The etymology of Greek and Latin terms as it relates to the medical sciences. (F, S, Sum)

BIO 401S (1) Biology in Secondary School. Prerequisite: Senior level biology major. A study of objectives, procedures and trends in teaching high school biology. (F, S, Sum)

BIOL 401 (1) Laboratory Studies and Techniques in Biology. Skills and techniques for conducting laboratories and projects at the high school level. (F, S, Sum)

BIO 403 (3) Human Environments and Natural Systems. Prerequisite: Consent of instructor. Emphasis will be placed on the fundamental problems that confront man from day to day. Topics for discussion are: population, energy, food, transportation, land pollution, drugs, etc. (F, S)

DESCRIPTION OF COURSES / 217

BIOL 403 (1) Laboratory Studies in Human Environments and Natural Systems. Prerequisite: Consent of instructor. Laboratory associated with pollution, energy, transportation, drugs, etc. (F, S)

BIO 404 (3) Environmental Science. Prerequisites: BIO 115 and CHEM 142. An introduction to the fundamental principles of ecology, biology, and chemistry which are necessary for a better understanding of the interrelationships between man and his environment. (F, S)

BIOL 404 (1) Environmental Science Lab. Field trips and lab exercises with emphasis on air and water pollution, noise, population, and thermal pollution. (F, S)

BIO 409 (3) General Genetics. Prerequisite: BIO 318. Provides general considerations of the principal concepts of heredity and the application of classical and modern genetics. (F)

BIO 412 (3) Natural Resources and Conservation. Prerequisites: BIO 115 and CHEM 142. A study of our natural resources with emphasis on their origin, properties, use and misuse and good conservation practices. (S)

BIOL 412 (1) Natural Resources and Conservation Lab. Experiments and field exercises in natural resources studying soil profiles, erosion, deposition, and other parameters. (S)

BIO 413 (3) Principles of Human Nutrition. Prerequisites: BIO 218 or 234, CHEM 235 or 241. A course designed to study the sources, requirements and chemical composition of food constituents; a survey of human diseases resulting from malnutrition. (F, S)

BIOL 413 (1) Principles of Human Nutrition Lab. Laboratory activities to develop techniques for diet evaluation, qualitative and quantitative analyses of food for protein, carbohydrates, fat and mineral content. (F, S)

BIO 414 (3) Methods of Environmental Analysis. Prerequisites: BIO 115 and CHEM 142. The course offers theory, methods, and techniques for identifying and quantifying environmental contaminants. Sampling methods are discussed and some coverage is provided on methods for separation and concentration. (S)

BIOL 414 (1) Methods of Environmental Analysis Lab. Experimentation with the various tools and instruments in environmental science: atomic absorption, gas chromatography, and thin layer chromatography. (S)

BIO 421 (3) Plant Morphology. Prerequisite: BIO 119. Study of anatomical, reproductive, ontogenetic and phylogenetic aspects of vascular plants. (F, S)

BIOL 421 (1) Plant Morphology Lab. Study and dissection of selected plants, maceration and study of various plant vascular tissues. Must be taken with lecture. (F, S)

BIO 422 (3) Plant Taxonomy. Classification and nomenclature of flowering plants, introductory method of collection; laboratory and field studies of representative plant families. (S)

BIOL 422 (1) Plant Taxonomy Lab. Laboratory and field studies of representative plant families. Must be taken with BIO 422. (S)

BIO 423 (3) Ecology. Prerequisite: Senior standing and consent of instructor. A study of the trophic relationships and energy transfer in the ecosystem. (F, S)

BIOL 423 (1) Ecology Lab. Laboratory exercises on relationships among ecosystems. Must be taken with lecture. (F, S)

BIO 424 (3) Plant Physiology. Prerequisites: BIO 119 and CHEM 242. An introductory course dealing with principal physiological processes of plants including water relations, synthesis, and use of foods and growth phenomenon. (F, S)

BIOL 424 (1) Plant Physiology Lab. Experiments will be conducted to illustrate principles of plant physiology. (F, S)

BIO 425 (3) Introduction to Marine Biology. Prerequisites: BIO 114, 115, CHEM 142 and CHML 142. Life in the sea: an introduction to marine organisms, their position and function in the marine environment. Lecture and lab to be taken in the same semester. (F, S)

BIOL 425 (1) Introduction to Marine Biology Lab. Field trips, collection, preservation techniques, classification and identification of marine organisms with emphasis on structure of the marine environment. Must be taken with lecture. (F, S)

BIO 426 (3) Mycology. Prerequisite: BIO 119. A survey of the principal fungal classes, morphology and cytology of fungi and their relation to industry and agriculture. (F)

BIOL 426 (1) Mycology Lab. Laboratory observations and related exercises with each of the major classes of fungi. Laboratory must be taken with lecture. (F)

BIO 428 (3) Evolution. A study of the processes of organic change. Historical development of organisms. (F, S)

218 \ JACKSON STATE UNIVERSITY

BIO 430 (3) **Advanced Microbiology**. Prerequisite: BIO 313. Special methods for culturing microorganisms. Extensive consideration is given to some of the important microbes in medicine, industry, and public health. (F)

BIOL 430 (1) **Advanced Microbiology Lab**. The course gives the student practice in special methods of isolating and culturing microorganisms important in industry and medicine. Must be taken with BIO 430. (F)

BIO 431 (3) **Invertebrate Zoology**. Prerequisite: BIO 115, and CHEM 142. An extensive review of the principal types of invertebrates not studied in the introductory zoology course. (F, S, Sum)

BIOL 431 (1) **Invertebrate Zoology Lab**. A laboratory concerning the identification and morphology of various invertebrates in land and aquatic systems. (F, S, Sum)

BIO 433 (3) **Biology of Water Pollution**. Prerequisite: BIO 313. Biological approaches to water pollution problems are discussed. The effect of pollution on life in aquatic environments is emphasized. (S)

BIOL 433 (1) **Biology of Water Pollution Lab**. Selected laboratory exercises, instrument use, and field trips are designed to further enhance the student's awareness in water pollution effects, analysis and problem solving.

BIO 434 (3) **Marine Vertebrate Zoology**. Prerequisites: BIO 114, 115, or consent of instructor. Study of all vertebrate groups found in marine environment, emphasis on introduction to fishes. Lecture and lab to be taken during the same semester. (F, Sum)

BIOL 434 (1) **Marine Vertebrate Zoology Lab**. Collection of available marine vertebrate animals, preservation techniques, classification and identification, emphasis on fishes as the largest group. Must be taken with BIO 434. (F, Sum)

BIO 436 (3) **Marine Botany**. Survey of marine algae, phytoplankton and maritime vascular plants, treating structure, reproduction, life histories, distribution and ecology. (S)

BIO 437 (3) **Applied Ecology**. Prerequisite: Consent of instructor. A study of the effects of environments on plants and animals with emphasis on factors of environment and the interaction with different plant and animal groups.

BIOL 437 (1) **Applied Ecology Lab**. The classification of representative groups of organisms, demonstrations, field trips and preparation of term paper citing practical applications. (F)

BIO 438 (3) **Marine Invertebrate Zoology**. Prerequisites: BIO 114, 115, or consent of the instructor. Introduction to

invertebrate groups, emphasis on association of organisms in large categories and understanding function of each group in marine systems. Lecture and lab must be taken together. (F, S, Sum)

BIOL 438 (1) **Marine Invertebrate Zoology Lab**. Collection of available representatives of marine invertebrates, preservation, classification and identification; position in marine environment emphasized. Lecture and lab must be taken together. (F, S, Sum)

BIO 440 (3) **Cell Biology**. Prerequisites: BIO 111 and CHEM 242. Emphasis on the structure and function of cellular organelles; introduction to biochemical properties of proteins, carbohydrates, lipids, and nucleic acids; the genetic code and protein synthesis. (S)

BIOL 440 (1) **Cell Biology Lab**. Prerequisites: BIOL 111 and CHML 242. Experimentation to develop techniques for cell fractionation; introduction to spectrophotometry, electrophoresis and chromatography. (S)

BIO 441 (3) **Histology**. Prerequisites: BIO 115 and 218. Development and characteristics of cellular organization of tissues and organ systems. (F, Sum)

BIOL 441 (1) **Histology Lab**. Exercises studying the microanatomy of tissues and organ systems. Must be taken with BIO 441. (F, S, Sum)

BIO 443 (3) **Biotechnology**. Prerequisites: BIO 313, 318, and CHEM 241, 242. Emphasis on techniques in recombinant DNA technology; gene cloning, analysis and manipulation; understanding polymerase chain reactions and development of genetically engineered pharmaceuticals. (F)

BIOL 443 (1) **Biotechnology Lab**. Experimentation to develop techniques in recombinant DNA technology; gene cloning, analysis and manipulation; polymerase chain reactions and genetics engineering. Must be taken with BIO 443. (F)

BIO 444 (3) **Arthropod Diseases**. A study of the control and prevention of insect and other arthropod borne diseases. The physiology, taxonomy, life cycles and ecology of important vectors. (S)

BIOL 444 (3) **Arthropod Diseases Lab**. Study the external structure and make outline sketches to indicate the characteristics used in the classification of representative forms and unknown specimens of medical importance and to a limited extent veterinary important organisms. (S)

BIO 450 (3) **General Entomology**. An introductory course in entomology that covers diverse topics including insect structure and function, benefits and harm as related to humans.

DESCRIPTION OF COURSES / 219

Emphasis is given to insects of medical and agricultural importance. Use of insecticides to control harmful insects and the impacts of insecticides on the environment is also addressed. (F, S)

BIO 452 (3) Advanced Principles of Environmental Science. Prerequisites: BIO 115, and CHEM 142. A study of the various air pollution problems facing man in his environment, diseases related to pollution and other health hazards. (S)

BIOL 452 (1) Advanced Principles of Environmental Science Lab. The lab will involve the use of various types of air pollution analysis including the use of high volume air samplers, particulate and pollen samplers, and decibel meters. Must be taken with BIO 452. (S)

BIO 460 (3) Microzoological Techniques. Study of the principles involved in making simple and differential stains. (S)

BIOL 460 (1) Microzoological Techniques Lab. Development of skills and techniques in tissue and slide preparations. Must be taken concurrently with BIO 460. (S)

BIO 470 (3) Human Physiology. Study of normal physiological processes in mammals with reference to abnormal conditions. (F)

BIOL 470 (1) Human Physiology Lab. Use of instrumentation for diagnostic studies of normal physiological processes with reference to certain abnormal conditions. (F)

BIO 475 (3) Endocrinology. Prerequisites: BIO 114, 115, CHEM 141 and 142. An introduction to endocrine organs in animals, with major emphasis on roles of endocrine glands and their hormonal secretions in integration, control systems and metabolism. (S)

BIO 476 (3) Histopathology. Prerequisites: BIO 115, 218, and 441. A study of the principal concepts of tissue and cellular pathology, with emphasis on human tissue and pathology. (F, S)

BIOL 476 (1) Histopathology Lab. Exercises studying diseased tissues. Must be taken with BIO 476. (F, S)

BIO 480 (3) Limnology. Prerequisites: BIO 115, CHEM 142 or consent of the instructor. Physical and chemical factors affecting the biology of ponds, reservoirs, and streams. Includes the use of various instrumentation in biological monitoring. (F, Sum)

BIOL 480 (1) Limnology Lab. Chemical and biological monitoring of aquatic systems will be explored. Hack Kits, conductivity meters, oxygen meters, BOD, COD, and map survey will be taught. (F, Sum)

BIO 481 (3) Research in Environmental Science. Prerequisites: BIO 115, and CHEM 142. Theory in the use of various scientific instruments; automatic analyzers, spectrophotometers, Secchi Disk, and others. Writing techniques and procedures. Research by individual student on a research problem. (S, Sum)

BIOL 481 (1) Research in Environmental Science Lab. The lab will involve the various tools and instruments in Environmental Science; automatic analyzers. Surber samplers, collection of field data. (S, Sum)

BIO 490 (3) Reproductive Physiology. Prerequisites: BIO 115, 218, CHEM 142, 424 or may be waived with approval of instructor. The mammalian reproductive system is presented with emphasis on sex determination, species variations in the estrus cycle, and the endocrine factors controlling normal development and function. (S)

BIOL 490 (1) Reproductive Physiology Lab. Prerequisites: BIO 115, 218, CHEM 142 and 242. Experimental analyses of the mammalian reproductive system. Emphasis is placed on basic methodologies employed in anatomical and physiological studies of the reproductive system. Must be taken concurrently with BIO 490 or with consent of instructor. (S)

BIO 491 (3) Neurobiology. Introduction to the physical chemical properties of excitable cells, synaptic physiology and the logic circuits mediating behavior. Emphasis will be placed on the neuro-ethology of simple systems. (F)

BIOL 491 (1) Neurobiology Lab. Introduction to electrophysiology and various other laboratory techniques employed in neuroscience research. Each student will be expected to complete an approved project and submit a written report. (F)

CHEMISTRY

Department of Chemistry OFFICE: John A. Peoples Science Building

CHEM 131 (3) Introduction to Chemistry. Co-Requisite Mathematics 004 or higher. A study of scientific measurements, mathematic concepts, and basic principles of chemistry to prepare students for General Chemistry (CHEM 141) classes. (F, S, Sum)

CHEM 141 (3) General Chemistry I. Prerequisite: A score of 16 or above on the Chemistry Placement Test; MATH 111 or a higher level mathematics course. A study of the types and properties of matter, measurement, qualitative and quantitative

220 \ JACKSON STATE UNIVERSITY

descriptions of chemical reactions, atomic structure, bonding and thermochemistry. (F, S, Sum)

CHML 141 (1) **General Chemistry Lab.** Prerequisite or co-requisite: CHEM 141. Experiments in the areas covered in CHEM 141. (F, S, Sum)

CHEM 142 (3) **General Chemistry II.** Prerequisite: A passing grade in CHEM 141 and CHML 141. A study of solutions, chemical equilibria, kinetics, thermodynamics, descriptive chemistry. (F, S, Sum)

CHML 142 (1) **General Chemistry II Lab.** Prerequisite: CHML 141, co-requisite: CHEM 142. Laboratory experiments in the areas covered in CHEM 142. (F, S, Sum)

CHEM 241 (3) **Organic Chemistry I.** Prerequisite: CHEM 142 and CHML 142. Chemistry of carbon compounds, with emphasis on structure, stereochemistry, spectroscopy, and an introduction to synthesis. (F, S, Sum)

CHML 241 (1) **Organic Chemistry I Lab.** Prerequisites: CHEM 142, CHML 142. Co-requisite: CHEM 241. Laboratory experiments in the areas covered by CHEM 241. (F, S, Sum)

CHEM 242 (3) **Organic Chemistry II.** Prerequisite: CHEM 241, CHML 241. Chemistry of carbon compounds, with emphasis on synthesis, and an introduction to biochemistry. (F, S, Sum)

CHML 242 (1) **Organic Chemistry II Lab.** Prerequisites: CHEM 241, CHML 241. Co-requisite: CHEM 242. Laboratory experiments in the areas covered by CHEM 242. (F, S, Sum)

CHEM 243 (3) **Qualitative Organic Analysis.** Prerequisites: CHEM 241, CHML 241, Co-requisite: CHEM 242, CHML 242, 243. A lecture covering the structure identification of organic compounds by the spectroscopic methods. It includes the theory and the application of spectroscopies like NMR, IR, UV/Vis and Mass Spectroscopy. (S)

CHML 243 (1) **Qualitative Organic Analysis Lab.** Prerequisites: CHEM 241, CHML 241; Co-requisites: CHEM 242, 243, UV/Vis and mass Spectroscopy for the elucidation of structure of organic compounds by CHEM 243. (S)

CHEM 254 (3) **Elementary Quantitative Analysis.** Prerequisites: CHEM 142 and CHML 142. A study of the theory and applications of analytical chemistry. This is a lecture course primarily intended for students preparing for careers in the health sciences.

CHML 254 (1) **Quantitative Analysis Lab.** Co-requisite: CHEM 254. Laboratory experiments in the areas covered by CHEM 254.

CHEM 310 (2) **Introduction to Scientific Research.** Prerequisite: Consent by advisors. The course serves as an introduction to scientific research for chemistry students and it is especially important for students entering graduate studies. The course covers scientific literature, scientific writing, scientific presentation, research ethics, and introduction to federal agencies (NSF, NIH, DoD, etc.) and their research focuses, trends, and funding opportunities.

CHEM 320 (3) **Analytical Chemistry.** Prerequisite: CHEM 142, CHML 142, and CHEM 242. A quantitative study of the equilibrium in aqueous and non-aqueous systems and the application to analytical methods. The application of modern instrumentals techniques is emphasized. (F)

CHML 320 (1) **Analytical Chemistry Lab.** Co-requisite: CHEM 320. Laboratory experiments in the areas covered by CHEM 320.

CHEM 331 (3) **Introduction to Biochemistry.** Prerequisite: CHEM 241 and 242. A survey of the chemical composition of living matter and the chemical reactions of living cells. (F)

CHEM 340 (2) **Inorganic Chemistry I.** Prerequisites: CHEM 142 and CHML 142. This course is the first part of a series of two courses. Basic principles, such as chemical equilibrium and reaction kinetics, of inorganic reactions are emphasized in this course. The construction and application of the periodic table of the elements will be discussed. A descriptive discussion of the chemistry of elements will also be included in this course. (S)

CHEM 341 (3) **Physical Chemistry I.** Prerequisite: MATH 231, 232; corequisite prerequisite: PHY 201 or 211. A study of fundamental concepts; includes structure, properties of gases and thermodynamics. (F)

CHML 341 (1) **Physical Chemistry I Lab.** Co-requisite: CHEM 341. Laboratory experiments on physical chemistry phenomena. (F)

CHEM 342 (3) **Physical Chemistry II.** Prerequisite: CHEM 341, and CHML 341. A study of physical chemistry, theory and practice; includes structure of matter, quantum mechanics, electrochemistry and kinetics., (S)

CHML 342 (1) **Physical Chemistry II Lab.** Prerequisite: CHEM 341; Co-requisite: CHEM 342. Laboratory experiments on Physical Chemistry phenomena. (S)

DESCRIPTION OF COURSES / 221

CHEM 350 (Variable 1-3) **Special Topics.** Prerequisite: Permission of instructor. A specialized topic course covering recent developments in chemistry selected on the basis of faculty and student interest and needs. (F)

CHEM 371 (3) **Forensic Chemistry.** This course covers the major forensic sub-disciplines such as firearms and tool mark examination, forensic biology, arson and explosives, questioned documents, and trace evidence. Evidence categories include glass, soil, hairs, fibers, paint (surface coating), and impressions resulting from friction ridge skin, tools, foot wear, etc. (S)

CHML 371 (1) **Forensic Chemistry Lab.** This course covers the theory and practice of techniques commonly used in forensic science including examination of biological evidence (DNA fingerprinting, bloodstains, etc.), fingerprinting, and impressions resulting from friction ridge skin, tools, foot wear, etc. (S)

CHEM 380 (Variable 1-6) **Independent Study.** Prerequisite: Permission of instructor. Laboratory investigation on literature research of a topic selected by the student in consultation with the staff. (F, S, Sum)

CHEM 381, 382, 481, 482 (.5, .5, .5, .5) **Chemistry Seminar.** Prerequisite: Permission of instructor. Presentation and discussion of current chemical topics and research by students, faculty and visiting speakers. (F, S)

CHEM 401 (3) **Chemistry in the Secondary School.** A course designed to treat the principles, problems, and materials involved in teaching chemistry on the secondary level. (F)

CHEM 410 (3) **Environmental Chemistry.** Prerequisite: CHEM 320. Environmental Chemistry is to study of the sources, reactions, transport, effects, and fates of chemical species in water, soil, air, and living environments, and the effects of technology thereon. This course will cover three major areas of environmental chemistry: aquatic chemistry, atmospheric chemistry, and geochemistry. Each one includes organic, inorganic, analytical chemistry and biochemistry for pollutants in the environment, their fates, and analysis. The objectives in the course are to understand how environmental system will behave for the chemical species and to learn how to analyze the pollutants in the system. (F)

CHML 410 (1) **Environmental Chemistry Laboratory.** Prerequisites: CHEM 242 and CHML 242 Corequisite: CHEM 410 This course is the laboratory course of CHEM 410 Environmental Chemistry. Laboratory experiments are designed to illustrate the topics in the lecture and acquaint students with laboratory techniques in environmental chemistry. (F)

CHEM 421 (3) **Instrumentation.** Prerequisite: CHEM 320, CHML 320 or permission of the instructor. A lecture course

covering the theory and applications of spectroscopic chromatographic and electroanalytical methods. (S)

CHML 421 (1) **Instrumentation Lab.** Prerequisite: CHEM 320, CHML 320; co-requisite: CHEM 421. A laboratory course covering the use of spectroscopic, chromatographic and electrochemical instrumentation for the analysis of materials.

CHEM 431 (3) **Biochemistry I.** Prerequisite: CHEM 242. A study of the chemical composition of living matter and the chemical mechanics of life processes. (S)

CHML 431 (1) **Biochemistry I Lab.** Co-requisite: CHEM 431. Basic purification and characterization techniques in biochemistry. (S)

CHEM 432 (3) **Biochemistry II.** Prerequisite: CHEM 431. A study of the chemical composition of living matter and the chemical mechanics of life processes. (F)

CHML 432 (1) **Biochemistry II Lab.** Co-requisite: CHEM 432. Basic purification and characterization techniques in biochemistry. (F)

CHEM 436 (3) **Physical Organic Chemistry.** Prerequisite: CHEM 342. Structure, bonding, and properties of organic compounds.

CHEM 437 (2) **Organic Synthesis.** Prerequisite: CHEM 242. The use of practical organic research techniques in the preparation of organic compounds. (S)

CHEM 441 (3) **Inorganic Chemistry II.** Prerequisite: CHEM 341. This course is a continuation of the first part of the series. With the knowledge introduced in CHEM 341, a thorough discussion of the atomic properties, the nature of chemical bonds and the symmetry properties of compounds will be included in this course. The chemistry and application of transition metals will be the main theme of this course. The mechanisms of catalysis processes will also be covered. In addition, the function of inorganic elements in living systems will be briefly introduced to keep students updated to the current trends in inorganic research. (F)

CHML 441 (1) **Advanced Inorganic Lab.** Co-requisite: CHEM 441. Theoretical principles and laboratory techniques involved in the preparation and the characterization of inorganic compounds. (F)

CHEM 451 (3) **Chemical Application of Group Theory.** Prerequisite: CHEM 341. A course which places emphasis on the application of group theory to interpretation of the electronic and molecular spectra of molecules. An elementary treatment of abstract mathematical group theory is presented to

222 \ JACKSON STATE UNIVERSITY

serve as an introduction to the symmetry of point groups to which most molecular systems belongs. (S)

CHEM 452 (3) **Atomic and Molecular Structure.** Prerequisite: CHEM 342. An introduction to the concepts and methods of modern molecular spectroscopy. (S)

CHEM 453 (3) **Thermodynamics.** Prerequisite: CHEM 342. Principles of thermodynamics and their application to chemical and phase equilibria. (S)

CHEM 458 (3) **Quantum Mechanics.** Prerequisite: CHEM 342. Principles and applications of quantum theory. (F)

CHEM 471 (3) **Forensic Toxicology.** Pre-Requisites: CHEM 320 and CHEM 371. This course covers the major concepts of toxicology that include drug or toxin absorption, distribution, and excretion as well as binding to receptors. The processes and reactions, which transform a drug or toxin into a water soluble substance, also will be discussed. (S)

CHEM 475 (3) **Forensic Practicum.** Prerequisite: Departmental approval and CHEM 371 and CHML 371. Students will have an internship at a local or regional crime laboratory to satisfy the practice component of the program and spend a minimum of 8 hours per week at the laboratory for 14 weeks. (S)

CRIMINAL JUSTICE PROGRAM

Department of Criminal Justice and Sociology
OFFICE: Dollye M.E. Robinson Building, Room #358

CJ 100 (3) **Introduction to Criminal Justice.** The student of the major components or sub-systems of criminal justice systems in America. Special consideration will be devoted to analyzing Law Enforcement, Law Adjudication and Correction from a functional as well as an administrative perspectives. (F, S, Sum)

CJ 200 (3) **Introduction to Law Enforcement.** Prerequisite: CJ 100. Principles of organization and administration in law enforcement; functions and activities; planning and research; community relations; personnel and training; inspection and control; policy formulation. (S)

CJ 210 (3) **Introduction to Correctional Services.** Principles of formal control devices, with emphasis on legal systems, philosophical background of criminal justice systems and Anglo-Afro experience. Introduction to criminal jurisprudence and a descriptive overview of present criminal justice components. (F)

CJ 212 (3) **Criminal Law.** Prerequisite: CJ 210 or consent of instructor. Examination of precedent setting cases of procedural criminal law in the United States and their application to American governance in producing a formal social control mechanism. Cases which develop the rights of the individual in a changing legal order. (S)

CJ 220 (3) **Corrections and Rehabilitation.** Prerequisite: CJ 210. This course provides an overview of the rights of the convicted in the United States. Topics covered include: Conviction, adjudication and their consequences, attacks upon validity of a conviction—past conviction, legal rights of probationers, prisoners, and parolees—an overview; and state and federal remedies for enforcement of prisoners' rights. (F)

CJ 304 (3) **Juvenile Justice.** Prerequisite: CJ 100. An overview of the Juvenile Justice System in the United States and a case law approach to the topics of jurisdiction, adjudication, arrest search and seizure, preliminary procedures, initiation of proceedings, and the judicial process. (F)

CJ 310 (3) **Women in the Criminal Justice System.** Prerequisite: CJ 100. A critical analysis of women and crime. Includes theories about crime causation, the women's liberation movement and crime and women in prison.. (D)

CJ 326 (3) **Issues and Procedures of Criminal Justice Research.** Prerequisite: CJ 100. Acquaints the student with the procedures and techniques employed in criminal justice research. Emphasis is on the scientific processes of social research, problem development, the role of theory in research, research design, sampling, data collection, statistical analysis, table construction and interpretation. (F, S, D)

CJ 328 (3) **Offender's Rights.** Prerequisite: CJ 100. Legal problems from conviction to release; presentence investigations, sentencing, probation and parole; incarceration, loss and restoration of civil rights. (Emphasis on practical SOC 102 legal problems confronting the probation and parole officer and the correctional administrator.) (D)

CJ 330 (3) **Community Corrections.** Prerequisite: CJ 100. Techniques and procedures utilized in the supervision of adult and juvenile probationers and parolees. Preparation of social history, pre-hearing; and pre-sentence investigation reports. Emphasis on practical problems confronting the probation and parole officer. (D)

CJ/SOC 333 (3) Criminology. Prerequisites: CJ 100 or SOC 214. Theories of the genesis of criminal behavior in terms of the person and the group; theories of crime and punishment. (F)

CJ 399 (3) **Introduction to Corporate Security.** Prerequisite: CJ 100. This is a special workshop which informs students, practitioners, and citizens of the historical developments of

DESCRIPTION OF COURSES / 223

security and the role of technology in recent developments. Focuses on loss prevention, risk management and safety for personnel in security. (D)

CJ 440 (3) Comparative Study of Criminal Systems. Prerequisite: Prerequisite: CJ 100 and seven hours of senior standing. Comparison of American Criminal Justice System with that of other federated nations. (S)

CJ 443 (3) Foundation of Criminal Investigation. Prerequisites: Prerequisite: CJ 100, six hours of senior standing. Physical evidence, people, and documents; their pertinence to criminal investigation. Ethical problems; impact of legal systems on investigative process; elements of effective testimony. Lectures and case materials. (F)

CJ 445 (3) Introduction to Criminalistics. Prerequisites: Prerequisite: CJ 100 and six hours of senior standing. Role of criminalistics as a forensic science. Investigative and probative values of clue materials such as fingerprints, blood, firearms, shoe impressions, tool imprints, and glass. Advantages and limitations of instrumental analysis; nature of expert testimony. (S)

CJ 447 (3) Financial Investigations. Prerequisites: CJ 100, ACC 314 and CJ 443. Methods of tracing funds, recordkeeping, interviewing for detecting and resolving crimes, theoretical principles and applications of techniques. (D)

CJ 460 (3) Law Enforcement and Societal Responses. Prerequisite: CJ 100 and seven hours senior standing. Consideration of realistic approaches to selected law enforcement problems. Emphasis on establishment of beneficial relationship between law enforcement agencies and subculture group. (F)

CJ 464 (3) Seminar in Court Procedures and Family Law. Prerequisite: CJ 100. Philosophy and procedures of the juvenile court, dependency and delinquency; evaluations of juvenile court practices. Family law. (F)

CJ 470 (3) Directed Study in Criminal Justice. Designed for academic flexibility. Take the semester prior to graduation. (D)

CJ 471 (3) Correctional Counseling. Prerequisite: CJ 100. Counseling psychology with emphasis on principles and procedures; the theoretical foundations of counseling; casework techniques; therapeutic techniques and processes. (S)

CJ 482 (3) Field Work. Prerequisite: CJ 100, junior/senior standing with a minimum 3.00 GPA or permission of the internship coordinator. In-service students will have to do a minimum of eighteen weeks (one semester). Non-in-service students will be placed in agencies dealing with some aspects of

Law Enforcement and Corrections to fulfill the three-hour requirement. (D)

CJ 483 (3) Seminar. Prerequisite: CJ 100. This course will examine contemporary issues in crime and criminal justice. Topics will vary each semester and the course may be repeated for up to nine hours of credit. (F, D)

PROFESSIONAL INTERDISCIPLINARY STUDIES

College of Lifelong Learning OFFICE: E.E. Thrash Universities Center

CLL 301 (3) Principled-Centered Leadership. The objective of this course is to help each participant increase proactive behavior, become more opportunity minded, increase self-esteem and build on mission and values. This course will empower people and organizations to significantly enhance their performance capability, both personally and professionally.

CLL 400 (3) Leadership Seminar. Examines various theories and models of leadership and their practical application in commercial recreation, resort operational settings and faith-based organizations. The course addresses the structure of commercial recreation organizations and styles of effective leadership in different situations within this venue. Students learn practical skills such as group process, problem solving, conflict resolution and negotiation, team building, and effective presentation skills. Students engage in resort management activities in a leadership role designed to provide leadership practice and develop confidence. This course provides the critical elements of analytical and intellectual examination and reflection of certain core issues in the practice of leadership in commercial recreation.

CLL 480 (1-3) Independent Study. This course provides students with the skills needed to conduct research and write substantive reports in both academia and practical work situations. Students are provided an opportunity to explore topics through interdisciplinary studies that they cannot adequately pursue in a traditional degree program. Students will engage in research which results in case or observation studies, research studies, research reports, or literature reviews/abstracts.

CLL 481 (1-3) Specialized Professional Training. This course is designed to support students in their efforts to complete quality research projects in their prospective field. Students will select a topic, design studies, select appropriate permission, conduct projects, analyze results and prepare written reports. Students will also be required to present their findings to their fellow students. Extra credit will be given to students that present their research findings at professional

conferences. Students will also be highly encouraged to submit their findings in article format to professional journals for possible publication.

CLL 482 (1-3) Internship. This course provides valuable work-learn experience in a professional environment outside of the classroom. Students will be able to explore many different career areas, gain practical skills, and make industry contacts. A minimum of 150 clock hours of on-site training with a relevant agency is required for successful completion of this course.

CLL 483 (2) Special Field Research Project. This course is designed to support students in their efforts to complete quality research projects in their prospective field. Students will select a topic, design studies, select appropriate permission, conduct projects, analyze results and prepare written reports. Students will also be required to present their findings to their fellow students. Extra credit will be given to students that present their research findings at professional conferences. Students will also be highly encouraged to submit their findings in article format to professional journals for possible publication.

Commercial Recreation and Resorts:

CRR 410 (3) Administration of Commercial Recreation. This course will focus on administrative functions required of the recreation professional. Course topics will include: organization structures, standards of service, staffing issues, accounting procedures, communication processes within organizations, and labor management relations.

CRR 411 (3) Leisure Services and Facilities Marketing. This course allows students to study marketing principles, theories and concepts and the use of management principles (control to maximize marketing effectiveness of leisure services). A variety of case studies from the tourism, sport, entertainment, leisure, and hospitality industry will be discussed.

CRR 412 (3) Law, Legal Issues, and Risk Management. Topics to be discussed will include liability and risk, jurisdiction, legal apparatus, and decision-making in commercial recreation and resort management. This course focuses on financial decision-making and the management of risk by commercial recreation corporations, recognizing the relationship between risk management and the overall goals of the organization. Emphasis is placed upon the identification, evaluation and management of commercial recreation organizational risks, which are broadly defined as encompassing operating and strategic as well as financial risks. This course will also acquaint participants with relevant case law and legal issues that pertain to risk assessment and management in the commercial recreation sector.

CRR 421 (3) Foundations of Commercial Recreation. This course introduces the commercial recreation and tourism industry including history, definitions, and trends associated with the growth and development of commercial recreation and resorts. This course also examines the status, operations, and trends in specific types of commercial recreation industries.

CRR 422 (3) Introduction to the Gaming Industry. Topics to be discussed will include casino history, regulations and modern operations, and the relationship between gaming and the hospitality industry. This course will provide students with an orientation to the historical background, terminology and regulatory aspects of the gaming industry. The course will explore all facets of the gaming operation, including food and beverage, cage operations, auditing, marketing and reporting. Students will examine the mathematics and utility analysis of gaming, including all newly introduced technologies and related practices for gaming operations.

CRR 423 (3) Commercial Recreation and Resort Programs. This course focuses on the resort segment of the hotel industry, its history, planning, operations, and special considerations. Emphasis is placed on the study of recreational activities as they relate to the operations of a resort. Additional topics will include the analysis of commercial recreation, including design, development, and programming.

CRR 424 (3) Special Events Planning and Development. This course provides students with an introductory approach to planning special events and conferences for various occasions. The course provides students with information on every aspect of organizing and managing special events, such as preparing and managing the budget, scheduling, coordinating food and beverages, selecting décor and themes, entertainment, promotions, marketing, and staffing.

CRR 425 (3) Customer Relations. This course helps students to understand customers' needs and behaviors in the commercial recreation and resort environments. Students will learn to address challenges that arise from the needs and behaviors of the customer service situation. This class will also help students learn to develop and implement effective service standards, create service plans and to develop and monitor a customer service situation. Finally, students will develop the skills needed to effectively relate to customers and exceed their expectations. At the conclusion of this course, students will be able to effectively relate to both internal and external customers and plan for their total satisfaction.

Faith-Based Leaders:

FBL 406 (3) Faith-Based Leaders: Mentoring the Next Generation. In this course, students will have the opportunity to learn about and begin implementing the approaches to mentoring in their personal and professional lives. Students

will examine and analyze the mentoring process as a means of training others in the practice of leadership of faith-based organizations. This course will help students develop a mentoring plan for equipping new leaders who can effectively lead and subsequently mentor others.

FBL 407 (3) Development and Operation of Family Life Centers and Programs. This course will provide students with information on how to develop and operate family life centers and programs. Students will be exposed to a variety of educational programs, information on assessing the needs and resources within the community, preparing a budget, and establishing policies and procedures for a family life center. In addition, students will be exposed to information on dealing with the challenges and concerns of family living.

FBL 408 (3) Community Relations for Faith-Based Organizations. This course will provide information on helping communities build their own capacity for improving the quality of life for people in the community. Also, the course will explore plans to develop media relations and programs to enhance their communities. This course will explore strategies for building strong relationships in the communities that serve faith-based organizations.

FBL 409 (3) Managing Faith-Based Personnel and Volunteers. In this course, students will learn how to better organize their efforts to manage faith-based personnel and volunteers. It will provide clear definitions of paid personnel and volunteers as well as eliminate the legitimate and mythical staff fears associated with these populations. Additionally, students will gain information on motivating and supervising diverse types of people.

FBL 418 (3) Organizational Leadership for Faith-Based Leaders. This course is designed to familiarize learners with various elements of leadership in community development activities and social service programs. These elements are goal setting, strategic planning, delegation, team building, and training. This course will focus upon updating and developing essential leadership skills for leaders in faith-based organizations.

FBL 419 (3) Communication Skills for Faith-Based Leaders. This class will focus on the development and practice of organizational and interpersonal communication skills (oral and written), with some emphasis on conflict management. Students will learn communication styles and the strengths and weaknesses inherent in each. Emphases will include communicative needs of faith-based organizations. Students will learn to assess and improve themselves as well as assist their peers to become better communicators.

FBL 420 (3) Financial Management for Faith-Based Leaders. This course will teach students how faith-based organizations can adopt successful financial practices by

exploring all aspects of income and expenditures within faith-based environments. Additionally, this course examines ways to balance organizational missions with financial stability. Students will learn how to manage financial resources such as accounting and financial reporting, budgeting, collecting account receivable, risk management, and insurance.

University Success–Lifelong Learning:

UNIV 105 (2) University Success for Adult Learners. This course is designed to assist adult learners in maximizing their potential to achieve academic success by providing a general orientation to the functions and resources of the University. The course is designed to help each student establish personal and professional goals and assess barriers to personal, academic and career goals. In addition, the course is designed to provide students with positive learning experiences utilizing instructional methods of lectures, demonstrations, small and large group discussions, consultants and technology. The course will provide students with information on how to apply skills needed to take notes, communicate effectively, and develop good study skills to be successful college students. Students will have the opportunity to engage students in action research, leadership skills, library initiatives, and enrichment workshops/seminars activities relative to their academic, social and professional success.

COMMUNICATIVE DISORDERS

**Department of Communicative Disorders
OFFICE: 3825 Ridgewood Road, Suite 8**

CMD 211 (3) Introduction to Communicative Disorders. Describes normal speech, language, and cognitive development. The nature, symptoms, and etiology relating to articulation, voice, fluency, motor disorders, impaired hearing, delayed language, and acquired neurological language disorders are discussed. Open to Juniors and Seniors in other departments.

CMD 219 (3) Phonetics. Provide general knowledge about the nature of speech sounds, how they are formulated, vocalized, and visually symbolized. Auditory recognition and discrimination between phonemes are stressed. The dynamics of speech sounds are considered in relation to pronunciation, phonetic change, and dialectal variation. Open to Juniors and Seniors in other departments.

CMD 310 (1) Introduction to Clinical Practicum. Prerequisite: CMD 211, 219, 312, 316, and 321. An introduction to clinical methods and procedures. The student will earn twenty-five (25) clock hours in observation that are needed for ASHA 's Certificate of Clinical Competence. The

226 \ JACKSON STATE UNIVERSITY

student must have earned a GPA of at least 2.5 (on a 4-point scale). Restricted to majors only.

CMD 312 (3) Anatomy and Physiology of the Speech Mechanism. Basic course designed for an in-depth study of the anatomical structures of the head, neck, and trunk. The physiology of these structures will be related to the process of normal breathing and verbal speech production.

CMD 316 (3) Speech and Hearing Science. An introductory course in psychological measures of speech production, speech perception, and speech acoustics. Students will be introduced to basic elements of the physics of sound and acoustic cues relevant to the perception of speech and non-speech auditory stimuli. Open to Juniors and Seniors in other departments.

CMD 321 (3) Language Development. Study of acquisition and development of child language. Emphasis is placed on structural aspects of language and language-learning. Open to Juniors and Seniors in other departments.

CMD 322 (3) Articulation Disorders. Prerequisites: CMD 211, 312, 316, and 321. Study of the etiology, assessment, and management of disorders of articulation and phonology.

CMD 324 (3) Fluency Disorders. Prerequisites: CMD 211, 312, 316, and 321. Study of the etiology, assessment, and management of disorders fluency.

CMD 325 (3) Language and Cognitive Disorders in Children. Prerequisite: CMD 211, 219, 312, 316, and 321. Study of the assessment and management of children with developmental and acquired language and cognitive disorders.

CMD 344 (3) Assessment of Children. Prerequisite: 21 semester hours in basic and advanced speech pathology courses. A study of the methods and procedures employed in testing and evaluating speech and language disorders in children.

CMD 423 (3) Introduction to Audiology. Prerequisites: CMD 312, 316, 321, 322, and 325. Study of the physics of sound, the anatomy and physiology of the ear, hearing loss, and basic audiological assessment.

CMD 450 (3) Speech-Language Pathology Services in Schools. Prerequisite: CMD 322, 324, and 325. Study ethics, case load selection, disability criteria, behavior management, as well as the administration and organization of speech-language programs in schools.

CMD 480 (3) Clinical Practicum in Speech-Language Pathology I. Prerequisites: CMD 310, 322, 324, 325, and 344. Supervised clinical experiences in speech, language, and hearing disorders.

CMD 486 (3) Clinical Practicum in Speech-Language Pathology II. CMD 310, 322, 324, 325, 344, and 480. Supervised clinical experience in speech, language, and hearing disorders.

CMD 495 (3) Senior Project. Prerequisite: Senior status in the major. A research project will be undertaken on a topic in communicative sciences/disorders selected in consultation with and supervised by a faculty member within the Department.

COMMUNICATION SKILLS

Department of English and Modern Foreign Languages OFFICE: Dollye M.E. Robinson Building

CS 102 (3) Communication Skills. This course is designed to give intensive practice in the fundamentals of grammar, usage, sentence structure, mechanics, diction and paragraph writing.

CS 103 (3) Functional Writing. Functional writing is designed to help the student gain proficiency in thinking logically, writing intelligently and writing effectively about when he means.

COMPUTER SCIENCE

Department of Computer Science OFFICE: John A. Peoples Science Building

CSC 115 (3) Digital Computer Principles. An introduction to the study of computer science. Subject matter consists of word processing, spreadsheet, database, graphics, computing, data processing, the organization of a computer, input and output devices, number systems, internal data representation and an introduction to a high-level programming language. (F, S, Sum)

CSC 117 (3) FORTRAN. Prerequisite: CSC 115 or equivalent. Topics include definition of language syntax and semantics, structured programming, sub-programs and basic algorithm design. Students are required to write several programs and to achieve successful computer execution of them. Credit not allowed as a Computer Science Elective for the Computer Science Degree. (S)

CSC 118 (3) Programming Fundamentals. Prerequisites: MATH 118 or equivalent, CSC 115 or equivalent; co-requisite: CSCL 118. This is the first course in the computer science programming sequence and is required of all computer science majors. Course objectives include: introduction to problem solving methods and algorithm development; definition of

DESCRIPTION OF COURSES / 227

language syntax and semantics of a high level programming language; and developing the ability to design, code, debug, document, and successfully execute programs. Topics include objects and classes, data types, applets and graphics, decision statements, iteration, methods, testing and debugging, arrays, sorting and searching, inheritance, interfaces and polymorphism. (F, S)

CSCL 118 (1) **Programming Fundamentals Lab.**

Prerequisites: MATH 118 or equivalent, CSC 115 or equivalent; co-requisite CSC 118; this lab is to be taken with the course CSC 118. The objective of the lab is to give the students hands-on experience on the topics covered in the CSC 118 class. Students will learn to use a text editor to write their programs and how to compile and run them. Students will be required to develop programs applying learned concepts such as object-oriented design, data types, decision-making, iteration, arrays, methods, inheritance and interfaces. (F, S)

CSC 119 (3) **Object-Oriented Programming.** Prerequisites: CSC 118, CSCL 118; co-requisite: CSCL 119. This course is the follow-up of CSC 118. Additional topics in Object-Oriented Programming are covered in this course. Then the emphasis shifts to object-oriented analysis and design. This course covers I/O streams, exception handling, threads, reflection, UML, object-oriented analysis and design, object-oriented graphical user interfaces, design patterns, and refactoring. (F, S)

CSCL 119 (1) **Object-Oriented Programming Lab.**

Prerequisites: CSC 118, CSCL 118; co-requisite: CSC 119. Students explore, design, program, and analyze laboratory exercises of object oriented programming in a supervised setting. Laboratory submissions include not only software and data, but also short reports that are graded both for technical content and writing mechanics. (F, S)

CSC 204 (3) **COBOL.** Prerequisites: CSC 115, 117 or equivalent. A study of the COBOL programming language and its applications. Students are required to write/modify several programs applying structured programming techniques and to achieve successful computer execution. Credit not allowed as a Computer Science Elective for the Computer Science Degree.

CSC 209 (3) **Programming in C/UNIX.** Prerequisites: CSC 119, CSCL 119. Problem-solving methods, algorithm development, debugging and documentation in the C programming language with emphasis on the UNIX operating system environment. Topics include: pointers, strings, structures, unions, linked lists, UNIX process management, and UNIX shell programming. (F)

CSC 211 (3) **Object-Oriented Programming in C++.** Prerequisites: CSC 119, CSCL 119. Problem-solving methods, algorithm development, debugging and documentation in the C++ programming language. Topics include: classes, operator

overloading, inheritance, polymorphism, stream input/output, exception handling, and file processing. (S)

CSC 212 (3) **Advanced Programming in Java.** Prerequisites: CSC 119, CSCL 119. This course covers advanced topics for Java programmers. These topics include multithreading, collections, networking, advanced GUIs, database connectivity and JavaBeans. Students will be required to work on a project involving advanced Java programming.

CSC 214 (3) **Programming for the Web.** Prerequisites: CSC 119, CSCL 119. This course is designed for students who have computer programming experience and who want to write Web applications. Students will learn the basic programming skills and languages that are needed to implement distributed Web applications. Topics include client-side programming techniques including HTML, Dynamic HTML and JavaScript; server-side programming techniques including CGI programming using Perl; and Web architectures and servers. (S)

CSC 216 (3) **Computer Architecture and Organization.**

Prerequisites: CSC 119, 225, CSCL 119, EN 212, ENL 212; co-requisite: CSCL 216. Students will learn functional behaviors and structural organizations of a computer. Topics include machine level representations of data, computer arithmetic, instruction set architecture and assembly language, datapath and control, memory system and bus architectures and I/O devices. Also, the compilation and the assembly processes, and linking and loading are covered. (F, S)

CSCL 216 (1) **Computer Architecture and Organization Lab.**

Prerequisites: CSC 119, 225, CSCL 119, EN 212, ENL 212; co-requisite: CSC 216. Students will learn MIPS computer organization, MIPS assembly language, and the SPIM simulator, and carry out MIPS assembly programming assignments, which will cover the following subjects: system I/O, arithmetic, logic, shift and rotation operations, control flow structures, addressing modes, stacks and procedures, memory-mapped I/O, expectations and interrupts, and pipelined implementation. (F, S)

CSC 225 (3) **Discrete Structures for Computer Science.**

Prerequisites: CSC 118, CSCL 118, MATH 118 or Higher. Introduces the foundations of discrete mathematics as they apply to computer science, focusing on providing a solid theoretical foundation for further work. Topics include basic logic, proof techniques, sets, bags, ordered structures, graphs, trees, facts and properties of functions, and construction techniques. (F, S)

CSC 228 (3) **Data Structures and Algorithms.**

Prerequisites: CSC 119, 225, CSCL 119; co-requisite: CSCL 228. The concepts of data abstraction and data structures are developed. For the basic data structures of linked lists, stacks, queues, hash tables, graphs, and trees, associated algorithms are described

228 \ JACKSON STATE UNIVERSITY

and analyzed. The course also treats recursion, sorting, fundamentals of software engineering, and the philosophy of object-orientation. (F, S)

CSCL 228 (1) **Data Structures and Algorithms Lab.**

Prerequisites: CSC 119, 225, CSCL 119; co-requisite: CSC 228. Students explore, design, program, and analyze implementations of data structures and algorithms in a supervised setting. Laboratory submissions include not only software and data, but also short reports that are graded both for technical content and writing mechanics. (F, S)

CSC 312 (3) **Advanced Computer Architecture.**

Prerequisites: CSC 216, CSCL 216. Uniprocessor computer architectures are reviewed. Quantitative approaches of computer designs are emphasized. Performance enhancements to the uniprocessor architecture model, including pipelining and superscalar architectures, techniques to reduce instruction pipeline stalls, and memory organization techniques are studied. Advanced computer organizations, performance evaluation, and programming of vector processors, array processors, and multi processors are also covered. (F, S)

CSC 321 (3) **Logic.** Prerequisites: CSC 118, CSCL 118.

Topics include: Number bases, 2's and 1's complements, set theory, Venn diagrams, Boolean logic, DeMorgan's Rules, Propositional Calculus, Finite Calculus, introduction to the Predicate Calculus, combinatorics, gcd, modular arithmetic, introduction to the theory of computation and Turing Machines.

CSC 323 (3) **Algorithm Design and Analysis.** Prerequisites:

CSC 228, CSCL 228. Introduces students to various techniques to design and analyze algorithms. Topics include examples of computational problems, basic issues related to algorithms, efficiency comparison, and the design and analysis of brute force, divide-and-conquer, decrease-and-conquer, and transform-and-conquer algorithm design strategies. (F, S)

CSC 325 (3) **Operating Systems.** Prerequisites: CSC 216, 228

and CSCL 216, 228. This course introduces the major concepts of process communication and synchronization, protection, performance measurement, and causes and evaluations of the problems associated with mutual exclusions and process synchronization among concurrent processes. This course introduces and analyzes various operating systems in terms of processor management, memory management, device management, information management, and distributed systems management. (F, S)

CSC 330 (3) **Database Systems.** Prerequisites: CSC 228 and

CSCL 228. This course is designed to introduce students to the concepts and theories of database systems. Topics include: information models and systems; the database environment; data modeling; conceptual modeling using the entity-relationship approach and mapping to relational tables; the

relational model including the relational data structure, integrity rules, relational algebra and relational calculus; normalization; data definition and data manipulation in SQL; conceptual, logical, and physical database design; security; transaction management; query processing; and advanced topics in database systems. (F, S)

CSC 332 (3) **Compiler Construction.** Prerequisites: CSC 216,

CSCL 216. This course presents a general model of compilers, then uses this model to demonstrate the implementation of advanced features. Topics to be covered are logical analysis, syntax, and storage allocation.

CSC 350 (3) **Organization of Programming Languages.**

Prerequisites: CSC 216, 228, CSCL 216, 228. Study of the organization and specification of programming languages. Topics include an overview of programming languages; issues in language design, including typing regimens, data structure models, control structure models, and abstraction; virtual machines; language translation; interpreters; compiler design; lexical analysis; parsing; symbol tables; declaration and storage management; code generation; and optimization techniques. (F, S)

CSC 403 (3) **Computer Science Seminar.** Prerequisites:

Senior level with 15 hours of 300-level courses. Discussion on trends in computer science. Students are required to prepare a paper and present it to their peers. Students who have participated in a Co-op Program will conduct a seminar discussing their work assignments.

CSC 435 (3) **Computer Networks.** Prerequisites: CSC 323

and 325. This course presents the history of networking and the Internet, protocol concepts, TCP/IP, multimedia and wireless, distributed computing, network security and Web technologies. (F, S)

CSC 441 (3) **Computers and Society.** Prerequisites: CSC 325

and 330. This course presents concepts of computer moral and legal issues, describes the impact of computers on society and presents techniques which are applicable in addressing problems posed by the social impact of computers. As a Service Learning Course, students will be able to help agencies and businesses in educating them on the most recent Anti-virus software available, viruses, e-mail scams, privacy issues, intellectual property rights, and computer crimes. (F, S)

CSC 450 (3) **Senior Project.** Prerequisites: CSC 325 and CSC

475. Students will design, code, test, implement and document a large and complex application program. (F, S)

CSC 452 (3) **System Simulation.** Prerequisites: MATH 355,

CSC 228, CSCL 228. Introduction to simulation models, writing programs to generate random numbers from various

DESCRIPTION OF COURSES / 229

probability distributions. Simulation models using GPSS/H language for problem solving.

CSC 456 (3) Automata, Computability and Formal Languages. Prerequisites: CSC 350 and a knowledge of discrete structures. An introduction to formal models of computation. Assignments will develop students skills in understanding vigorous definitions in computing environments and in determining their logical consequences.

CSC 460 (3) Introduction to Artificial Intelligence. Prerequisite: CSC 323. An introduction to the theory, research paradigms, implementation techniques, and philosophies of artificial intelligence. Introduction to Prolog, Lisp and expert system-shell programming.

CSC 470 (3) Computer Graphics. Prerequisites: CSC 216, 228 and CSCL 216, 228. Introduction to Graphics Hardware and software, Display Architecture, User-Computer interface design, 2D and 3D Transformation, Projections, Clipping, and Raster Graphics Algorithms.

CSC 475 (3) Software Engineering. Prerequisite: CSC 330. Introduction to software engineering, software design, APIs, software tools and environments, software development processes, software requirements and specifications, software verification and validation, software implementation, software evolution, and software project management. (F)

CSC 485 (3) Digital Image Processing. Prerequisites: CSC 312 and 323. Introduction to Digital Image Processing and its Applications, where the emphasis is on earth resources analysis. Subject matter consists of Hardware and Software Requirements, Transformations, Registration, Encoding, Enhancement and Restoration, and Image Databases.

CSC 499 (3) Special Topics. Prerequisite: Approval of instructor. Advanced, specialized topics selected on the basis of mutual interest of the student and the instructor.

THEATRE

Department of Speech Communication and Theatre OFFICE: Rose Embly McCoy Auditorium

DR 101, 102, 103, 104, 105, 106 (1) (1) (1) (1) (1) (1) Production Laboratory. Practical application in at least one departmental production activity. Required of freshman and sophomore majors. Open to non-majors. Repeatable to a maximum of six (6) credit hours.

DR 201 (3) Introduction to Theatre. A survey of drama and theater history examining historical practices used in the

modern theater. Attendance at theater performances and the reading of the representative plays are required open to all students.

DR 202 (3) Fundamentals of Acting. Basic training in voice, movement, and improvisation to enhance the beginning actor's understanding and artistic growth. Open to all students.

DR 204 (3) Introduction to Technical Production. Prerequisite: DR 201, co-requisite: DRL 204.. An overview of the theory and practices in implementation of set construction and related aspects of technical theatrical production.

DRL 204 (1) Introduction to Technical Production Lab. A laboratory course for practical application of theory in DR 204. Technical participation in departmental rehearsals and productions is required.

DR 205 (3) Advanced Acting. Prerequisite: DR 201, 202 and 204. Study and practice of the art and craft of acting. Selected readings, discussion, laboratory exercises.

DR 306 (3) Introduction to Science Design. Prerequisites: DR 201 and 204. This course acquaints the student with artistic elements and practical techniques of scene design. Laboratory work consists of several scene designs in different styles. Each design includes ground plans, perspective drawings and frontal evaluations.

DR 310 (3) Development of Dramatic Art I. Prerequisite: DR 201. The history of the physical theater, drama, and the participants from Egyptian origin of theater ritual through the Greek classical theater to Elizabethan England.

DR 311 (3) Development of Dramatic Art II. Prerequisite: DR 201. The history of the physical theater, drama, and the participants from Elizabethan England to the development of the modern theater.

DR 313 (3) Survey of Black Drama and Theater. Prerequisite: DR 201. A study of Black drama and theater in America, treating the contributions and involvement of Black artists in the drama and theater in this country from 1553 to the present.

DR 314 (3) Fundamentals of Playwriting. A lecture-laboratory course in the fundamentals of playwriting. Laboratory work consists of exercise in exposition, traditional scenes, builds, crisis, resolution, etc. Lectures include script analysis, discussion of certain avant-garde plays and the works of the individual playwright. A scenario will be written.

DR 356 (3) Reader's Theatre. A course designed for the oral study of dramatic literature through analysis and group performance.

230 \ JACKSON STATE UNIVERSITY

DR 410 (3) **Theories and Techniques of Directing.**

Prerequisites: DR 201, 310 and 311. The director's initial approach to the play, research, research, textual study, and formal analysis. Demonstrations and directorial skills in composition, movement, and business.

DR 414 (3) **Stage Lighting.** Prerequisite: DR 204. Work in lighting design plots for different modes of staging. The study of lighting control principles, color theory, and design theory in practical application.

DR 415 (3) **Advanced Playwriting.** Prerequisite: DR 314. A course designed to give the student further experience in concepts and techniques of playwriting. Each student is required to write a one-act play or scenario.

DR 416 (3) **Costuming and Make-up.** Discussion of basic elements of design for costumes and make-up. Overview of historical dress and accessories. Practical experience in make-up application. Open to all students.

DR 419 (3) **Dramatic Criticism.** Prerequisites: DR 310 and 311. An in-depth study of the principles of dramatic criticism from Aristotle to modern period. Particular reference is given to the influence of the theory of the church, state and press in evaluating drama.

DR 421 (3) **Creative Dramatics.** Prerequisite: a lecture-laboratory course acquainting the student with the acting and directing techniques of children's theater. Emphasis is on improvisational acting. Some attention is devoted to production techniques.

DR 422 (3) **Children's Theatre: Production and Directing.** Prerequisite: DR 421. Study the principles and techniques of acting, and staging for children's theatre. Practical application through laboratory, assignments, and participation in production projects.

DR 425 (6) **Play Production.** Prerequisite: Reserved for senior Drama majors only. Full directing responsibility for the production of a one-act play or approved activity.

DR 426 (3) **Independent Study.** Prerequisite: Drama majors only; requires Coordinator approval and Departmental approval necessary. Directed research or project work for the superior student of drama.

ECONOMICS

Department of Economics, Finance and General Business OFFICE: College of Business Building

ECO 211 (3) **Principles of Macroeconomics.** This course will provide an overview of macroeconomic issues: the determination of output, employment, unemployment, interest rates, and inflation. Monetary and fiscal policies are discussed, as are the public debt and international economic issues. We introduce basic models of macroeconomics. (F, S, Sum)

ECO 212 (3) **Principles of Microeconomics.** This course will provide an overview of microeconomic issues: price determination, supply, and demand. Of primary importance are the behavior of individuals/households and firms, and their impact on prices, and the supply and demand for goods and services. We introduce basic models of microeconomics. (F, S, Sum)

ECO 311 (3) **Intermediate Macroeconomic Theory.** Prerequisites: ECO 211 and 212. This course develops a general equilibrium theory of the economy at the intermediate level. Topics include the aggregate demand and supply model, the IS-LM model, unemployment, international trade, economic growth, and monetary and fiscal policies. We further build upon models introduced in ECO 211. (F)

ECO 312 (3) **Intermediate Microeconomic Theory.** Prerequisites: ECO 211 and 212. This class presents microeconomic theory and applications of consumer and producer behavior at an intermediate level. This course focuses on the following topics: basic theory of consumer behavior; production and costs; partial equilibrium analysis of pricing in competitive and monopolistic markets; general equilibrium; welfare economics; and externalities. We further build upon models introduced in ECO 212. (S)

ECO 313 (3) **Labor Economics.** Prerequisites: ECO 211 and 212. This course is an introduction to the field of Labor Economics. We expect that this course will enable students to think critically about research and public policy issues. The emphasis is on applied microeconomics and empirical analysis. Topics to be covered include: labor supply and demand, taxes and transfer, human capital, minimum wages, income distribution, unions and strikes, immigration, incentives, discrimination, unemployment and unemployment insurance. (D)

ECO 325 (3) **Economic Development.** Prerequisites: ECO 211 and 212. This class introduces both theoretical and empirical approaches to analyzing economic growth and development. Accordingly, the role of labor, capital, and technological progress are investigated. Additionally, cultural/social institutions, income demographics, social/class conflicts,

DESCRIPTION OF COURSES / 231

political/economic factors, macro/trade policies, financial sector development, etc., may be covered. In this class, basic growth models will be introduced. (F)

ECO 359 (3) Business Statistics. Prerequisites: MATH 111, ECO 211 and 212. This course covers basic concepts of statistics: methods of describing numerical data; probability in business decisions; random variables; sampling distributions, estimation, and hypothesis testing; and correlation and regression. Use of statistical software is required. (F, S, Sum)

ECO 360 (3) Mathematics for Economics and Finance. Prerequisite: MATH 221. This course introduces students to a sample of the mathematical techniques that are used in economics and finance. Additionally, the course is designed to help students acquire the mathematical skills needed to understand the less technical economic and finance literature. In general, it should foster a solid mathematical intuition. (S)

ECO 416 (3) History of Economic Thought. Prerequisites: ECO 211 and 212. This course focuses on an historical examination of the development of economic analysis and reasoning. Several schools of thought are examined. These include but are not limited to the following schools of thought: mercantilist, physiocratic, classical, institutionalist, Keynesian, and neo-classical. (F)

ECO 442 (3) Money and Banking. Prerequisites: ECO 211 and 212. This course analyzes banking and currency in the United States. Also, the impact of policies regulating banks and non-bank financial institutions are covered. Central to this coverage is a review of the role of the central bank, money supply and demand, monetary policy, and interest rates. Particular attention is paid to the effects these items have on the economy. (F, S)

ECO 444 (3) Public Economics. Prerequisites: ECO 211 and 212. This course examines the role of the public sector in the economy. The aim of the course is to provide an understanding of the reasons for government intervention in the economy, the extent of that intervention, and the response of private agents to the government's actions. (F)

ECO 445 (3) Comparative Economic Systems. Prerequisites: ECO 211 and 212. This course examines the major economic systems of the world, in both theory and practice. The approach will generally focus on encouraging a general understanding of how economic systems work and how economic theory interacts with government policy, history, and culture to explain economic performance. Economies examined can be divided into three basic types. These types are: traditional economic systems, market economic systems, and command economic systems. (F)

ECO 446 (3) International Trade. Prerequisites: ECO 211 and 212. This course focuses on determinates of the flow of goods and services across international boundaries or territories. The subject is one of the oldest fields in economics; however, its economic, social, and political importance has been on the rise. With the ongoing debate on globalization, free trade agreements, and the call for a new global financial architecture, interest in the subject should continue to rise. In this course, both basic theories and some current topics will be covered. (S)

ECO 456 (3) Urban Economics. Prerequisites: ECO 211 and 212. This course exposes students to the branch of microeconomics concerned with spatial relationships underlying the formation, the functioning, and development of cities. Cities are currently facing severe challenges, and in this course, urban problems contributing to these problems will be analyzed from an economic perspective. This will lay the foundation for discussions about policy alternatives aimed at addressing these problems. Emphasis is placed on the spatial characteristics of the urban economy as well as on market failures arising from the presence of externalities. (S)

ECO 460 (3) Introduction to Econometrics. Prerequisite: ECO 359. This course covers the statistical tools needed to understand empirical economic research and to plan and execute independent research projects. Strong emphasis is placed on applications. Mathematical models of economic behavior are tested using various inferential statistical methods. In general, this course should foster a solid mathematical intuition and a fundamental understanding of economic analysis. (S)

ECO 470W (3) Economics Seminar. Prerequisites: ECO 211 and 212. This course pivots around individual research projects. The topics researched reinforce the students' mastery of basic economics and econometrics. (S)

ELEMENTARY EDUCATION

Department of Elementary and Early Childhood Education OFFICE: Joseph H. Jackson Building

EDCI 100 (3) Introduction to Education. Prerequisite to all other education courses for prospective teachers and is to be taken during the Freshman year by students seeking careers in Teacher Education. It is a multipurpose foundation course designed to give an overview of teaching and learning. Requires 10 clock hours of field-based activity.

EDCI 120 (3) Practical Child Care Experiences. Designed to introduce the students to a variety of personnel certification programs and to assist in the preparation for assessment when appropriate (i.e., Child Development Associate [CDA] and

232 \ JACKSON STATE UNIVERSITY

National Association of Education for Young Children's Validation [NAEYC]). Includes an in-depth review of the functional areas providing the basis for competency goals as designated by validating agencies. (D)

EDCI 121 (3) **Innovations, Problems, and Issues in Child Care.** A comprehensive study of the growth and development of the infant and toddler—including physical environment, care and handling, immunizations and health care, toilet training, developmentally appropriate activities, and the special needs of infants and toddlers. (D)

EDCI 122 (3) **Family Dynamics and Interpersonal Relations.** Discuss the development of family structures and the various types and functions of families. Emphasizes basic communication skills and their application within the family; family values; and the caregiver's role in the family. (D)

EDCI 204 (3) **Career Education for Prospective Teachers.** This course is designed to give teachers and prospective teachers an orientation to career education and to prepare them to integrate career education into the school's curriculum and evaluate the effectiveness of their efforts. (D)

EDCI 208 (3) **Materials and Methods of Early Childhood Education.** This course is designed to investigate curricula methods and materials for teaching nursery, kindergarten and primary children. This includes preparation, executive, and evaluation of materials and methods within the subject matter areas of mathematics, science, social science, music, art, and language arts. (F, S)

EDCI 220 (3) **Teaching and Learning Styles of Young Children.** Prerequisite: EDCI 120, 121, 122, or special permission by the department Chair prior to enrollment. Instructional strategies of content and materials, and evaluation of child care procedures in programs designed for infants, toddlers, and pre-school children. (D)

EDCI 221 (3) **Administration of child Care Services.** Leadership styles, director-staff relationships, staff training, and goal setting are explored within the framework of developing lessons with appropriate developmental activities for young children. Construction of lesson plans, integration of yearly curriculum goals with weekly plans and evaluation of curriculum should be included. (D)

EDCI 301 (3) **Communicative Arts for the Elementary Teacher.** This course will provide comprehensive information of instructional strategies needed to provide the learner with a compendium of competencies in the communicative arts. Emphasis will be stressed in the communicative areas to enhance responsible, receptive and expressive language skills.

EDCI 302 (6) **Natural and Social Sciences for the Elementary Teacher.** Instructional strategies, selection of content and materials, and evaluation procedures for teaching social studies, math and science, and health for the elementary education level will be provided.

EDCI 303 (3) **Parent, Child and Teacher Interactions.** This course examines the importance of developing good relationships between parent, children and teachers during the early childhood and elementary years. The goal is to assist students to delineate nonblaming environments where dialogue and mutual planning can take place between families and school personnel.

EDCI 304 (6) **Movement and the Arts for the Elementary Teacher.** This course will provide students with adequate competencies in the areas of physical development, motor skills, drama and forms of the arts to implement classroom experiences for young children.

EDCI 305 (3) **Studies in Child Guidance.** This course is designed to provide comprehensive information on the nature and need of infants, toddlers, and pre-school children. Emphasis is placed on psychological, sociological, and physiological development and growth.

EDCI 310 (3) **Curriculum Development and Techniques of Teaching in the Elementary School.** This course is designed to provide opportunities for students to (1) become knowledgeable about elementary curriculum development and content, and (2) review, investigate and evaluate elementary education curricula materials and methods. (F, S)

EDCI 320 (3 - 8) **Field Experiences in Child Care.** Prerequisites: EDCI 120, 121, 122, 220, or special permission by the department Chair prior to enrollment. This course is of the practical learning experiences engaged in a more intensified and concrete manner. These experiences occur in off-campus, school, and community situations where opportunity is given to the student to test theories of teaching and learning, to initiate and test ideas with children. With guidance and supervision, the student is also given the opportunity to develop the ability, initiative, and responsibility for planning, guiding, and evaluating the total child care program. (D)

EDCI 400 (3) **Theories and Principles of Early Childhood.** This course is concerned with the basic history, philosophy, theories, and principles underlying early childhood education. (D)

EDCI 401A, B (3) **Research, Classroom Management, and Clinical Practice.** (A—Elementary Schools, B—Secondary Schools). This course is designed to integrate the research on effective teaching and learning with theory and practice. Students will engage in micro-teaching and will be expected to

demonstrate mastery of the fourteen competencies measured by the Mississippi Teacher Assessment Instrument. Students will also be introduced to classroom management strategies for effective classroom discipline and teaching routines. The Clinical practice will be a field based activity.

EDCI 402 A, B (12) **Clinical Internship in Student Training.** (A–Elementary Education, B–Secondary Education). This course is a continuation of the practical learning experiences engaged in during the 401C course, but in a more intensified and concrete manner. These experiences occur in an off-campus school and community situations for twelve weeks where opportunity is given to the student teacher to test theories of teaching and learning, to initiate and test ideas with children. With guidance and supervision, the student teacher is also given the opportunity to develop the ability, initiative and responsibility for planning, guiding and evaluating the total program of the children with whom he/she is working.

EDUCATIONAL LEADERSHIP

Department of Educational Leadership OFFICE: Joseph H. Jackson Building

EDFL 203 (3) **Historical and Cultural Foundations of Education.** Prerequisite: EDSE 200. This course is concerned primarily with selected historical facts and philosophical ideas which have influenced the development of modern education. (F, S, Sum)

EDFL 231 (3) **Utilization of Audio-Visual Materials.** This course includes the study of principles involved in the selection and utilization of major types of audio-visual material. (F, S)

EDCI 234 (3) **Preparation of Inexpensive Instructional Materials.** The purpose of this course is to give the student experience in developing a basic pattern of the preparation of a wide variety of visual materials. (F, S)

EDCI 335 (3) **Basic Photography.** This course is concerned with lighting, camera and darkroom techniques; taking and developing pictures; evaluation and use of pictures in the educational process. (F, S)

EDFL 336 (3) **An Introduction to Media for the Classroom.** Required professional course for teaching majors; service elective for people in advertising, public relations, business management, and similar fields. A survey of the psychological basis for nonverbal communication, and an intensive study of effective ways to use the nine commonest kinds of media and equipment. (F, S, Sum)

EDFL 367 (3) **Introduction to Assessment, Measurement, and Evaluation.** This course is designed to teach prospective teachers how to determine and report the academic achievement performance and basic proficiency levels of their students. Emphasis will be placed upon delineating functional educational program objective; test construction and administration; and student evaluation. It will be research based and employ modern technology (computer) for statistical data analysis. A further consideration will be familiarize the prospective teachers with basic test taking strategies, especially how to score acceptable on standardized tests such as the National Teacher Examinations. (F, S, Sum)

EDFL 431 (3) **Administration of Audio-Visual Programs.** This course considers such problems as the management of an integrated program, including production, selection, utilization and administration of audio and visual media. (D)

EDFL 434 (3) **Computers in Education.** This course is designed to cover theory, techniques, and practices of using computers and computer-assisted instruction (CAI) in education. No previous background in computers and programming is assumed. (F, S, Sum)

EDFL 466 (3) **Teaching in the Multi-Cultural Classroom.** This course will provide training in interaction analysis, communication skills, discipline in the classroom, behavior modification and competency based education. The participants will be introduced to concepts through role playing, confrontations and simulations exercises and through the use of outside consultants. (D)

EDFL 468 (3) **Curriculum Methods.** This course is designed to provide school teachers with a comprehensive understanding of curriculum methods. Special emphasis will be placed on the philosophical and historical antecedents of the various curricula in practice at the present time and possible future curriculum developments are related to specific disciplines. (F, S, Sum)

EDFL 496 (1 - 6) **Special Topics in Education.** This course is designed to meet the needs of teachers, students, administrators, community leaders and other personnel who have special needs and interests in selected areas of education. Content will be developed around assessed needs, interests, and goals or objectives of the group(s) involved. This course will deal with special topics which may be treated more effectively as a mini-course, institute, seminar or as a workshop instead of a regular scheduled course. (D)

EDFL 498 (3) **Law and the Public School Teacher.** This course focuses on legislative and case law as it applies to the role of the teacher in the public school systems of Mississippi. (D)

EDFL 499 (3) **Urban Education.** This course is concerned with factors that contributed to the present crisis in urban life and the status of urban schools. Attention is given to public school support, school organizational patterns, teaching personnel and staff, students, curriculum designs, discipline, instruction and physical facilities. (D)

EDSE 434 (3) **Computers in Education.** This course is designed to cover theory, techniques and practices of using computer labs and computer-assisted instruction (CAI) in education.

ETEC 212 (3) **Utilization of Computer application Package and Lab.** Introduction to the management and application of technology programs in business, educational agencies, and the world of work.

ETEC 337 (3) **Technology Selection, Maintenance, Management and Support.** Students will gain selecting skills in the management of networked and support services.

ETEC 368 (3) **Distance Learning.** An introduction to procedures and applications involved in the delivery of distance learning.

ETEC 377, L377 (3) **Multimedial Development and Computer Assisted Instruction and Lab.** Planning producing, and disseminating technology based instruction with authority systems composed of integrated text, audio, video, graphics, and electronic dissemination.

ETEC 378 (3) **Adult Education and Technology Life Learning and Training.** Student will gain principles of workforce education and lifelong learning.

ETEC 435, L435 (3) **Emerging Technology and Lab.** Student will gain a variety of skills and knowledge of Modern Technology appropriate to business, industry and schools.

ETEC 438, L438 (3) **Introduction to the Internet.** Students will gain skills in utilizing and managing the world wide web via Internet.

ETEC 439 (3) **Topics in Education Technology.** Selected problems in Educational Technology.

ETEC 451 (9) **Internship in Educational Technology.** A well planned exercise of supervised, on the field, concentrated experiences. Location for internship may include business, industry, banks, hospitals, agencies, and other appropriate entities.

ETEC 496 (3) **Special Topics in Educational Technology.** This course is designed to meet the special needs and interests of students in selected areas of educational technology.

ENGINEERING

General Engineering Courses OFFICE: School of Engineering Building

EN 105 (3) **Programming for Engineers.** Prerequisite: MATH 111 or equivalent. The course introduces C/C++ programming concepts to engineering students. Its emphasis is on acquiring fundamental programming skills, and learning appropriate syntax. Topics include variables, data types, expressions and statements, input/output formatting, modularization and subroutines, arrays, pointers and strings, and use of library functions. Course projects include program development for various engineering applications.

EN 201 (2) **Engineering Graphics.** Prerequisite: MATH 112 or 118 or equivalent. Develop skills to visualize and represent three-dimensional objects graphically, orthographic projection, pictorial drawings, graphics and charts, principles of computer-aided drafting and design (CADD) including substantial use of the AutoCAD software or equivalent, two and three-dimensional drafting and pictorial drawings using a CADD system, applications in various engineering disciplines and systems approach.

EN 212 (3) **Digital Logic.** Prerequisite: MATH 111 or equivalent. This is an introductory course to digital design. Topics include number systems, binary logic, Boolean algebra, truth tables, minimization of Boolean functions. K-maps, and Flip-Flops, Designs include combinational circuits, counters, and sequential circuits.

ENL 212 (1) **Digital Logic Lab.** Co-requisite: EN 212. This laboratory course enables students to validate the major concepts covered in ENG 212, digital Logic. Experiments include basic gates, adders, counters, and Flip-Flops.

EN 220 (3) **Circuit Theory.** Prerequisite: PHY 211; Co-requisite: MATH 232. This course introduces concepts and basic laws in the analysis of AC and DC linear electric circuits. Topics include mesh and nodal analysis. Thevenin's and Norton's theorems, superposition principle, transients in RLC circuits, phasor notation, and frequency response.

ENL 220 (1) **Circuit Theory Lab.** Co-requisite: EN 220. This laboratory enables students to validate the major concepts covered in EN220, Circuit Theory. Experiments include OHM's law, node voltage analysis, RC circuits, and RL circuits.

EN 222 (3) **Engineering Mechanics I.** Prerequisite: PHY 211. Calculus-based statics of particles and rigid bodies, equilibrium, distributed forces, centroids; structures, trusses, frame, machines; forces in beams and cables; friction; moments of

inertia, real life examples for engineering applications and systems approach.

EN 223 (3) Engineering Mechanics II. Prerequisites: EN 222 and MATH 232. Calculus-based kinematics and kinetics of a particle. Planar kinematics of a rigid body; planar kinetics of a rigid body including force and acceleration; work and energy; impulse and momentum; vibrations, real life examples and systems approach.

EN 230 (3) Engineering Thermodynamics. Prerequisites: PHY 21, PHY 211, and MATH 232. Concepts of engineering thermodynamics, properties, first law, flow equation, second law, entropy, availability analysis, power and refrigeration cycles, mixtures and gasses, and psychrometrics, real life problems, engineering applications and systems approach.

EN 240 (3) Strength of Materials. Prerequisite: EN 222. Forces and stresses, axial loading, torsion, pure bending, transverse loading, shear force and bending moment diagrams, transformation of stress and strain, design of beams and shafts, deflection of beams, statically indeterminate problems, energy methods, columns, real life examples and systems approach.

EN 252 (3) Engineering Analysis. Prerequisite: MATH 231. This course introduces the principles and applications of engineering mathematics, including linear algebra, Fourier analysis, and complex variable theory.

EN 350 (3) Engineering Systems Clinic. Prerequisites: EN 212, 240, and junior level standing. Analysis and design of multi-disciplinary systems; engineering specifications for quality design, analyze, evaluate, and synthesize multiple sources. Generate multiple engineering design solutions; critical thinking and judgement, ethical, societal, economical, and legal considerations; written and oral presentations.

EN 355 (3) Engineering Economy. Prerequisites: MATH 232, and junior standing. Introduction to economic principles, application of economic principles to multidisciplinary engineering problems; calculation of capitalized costs, present worth, prospective rates of return, and annual costs, economy of equipment replacement, market forces and firm analysis.

Civil Engineering Courses:

CIV 310 (2) Engineering Surveying. Prerequisite: PHY 211; Co-requisite: CIV 311. Plane surveying, measurement of distances and angles, differential leveling, traverse adjustment and area computations, topographic surveying and contours, horizontal and vertical curves, surveying computations, elements of site plan, professional ethics in surveying.

CIVL 310 (1) Engineering Surveying Lab. Prerequisite: PHY 211; Co-requisite: CIV 310. Field experience to measure surveying parameters including distances, angles, and elevations. Field notes, surveying equipment; critically analyze and interpret data, report writing.

CIV 320 (3) Structural Analysis. Prerequisite: EN 240. Analysis of statically determinate and indeterminate structures for fixed and moving loads. Equations of equilibrium and compatibility. Influence lines, and shear and moment envelopes. Analysis of forces and deflections in structures by methods of moment distribution, consistent deformation, and virtual work, computer analysis of structures, real life examples.

CIV 330 (2) Fluid Mechanics. Prerequisites: EN 223, 240, and MATH 368; Co-requisite: CIVL 330. Fluid properties and definition; fluid statics; fluid dynamics; Bernoulli equation and linear momentum; viscous flow; drag forces and boundary layer concepts; ideal flow; velocity potential and stream functions; dimensional analysis and dynamic similitude, real life problems.

CIVL 330 (1) Fluid Mechanics Lab. Co-requisite: CIV 330. Laboratory experience to measure fluid properties and apply principles for application in engineering design. The experiments will include pressure and velocity measurement, application of mass, energy, and momentum principles, energy losses, forces on immersed bodies, and flow measurement devices; critically analyze and interpret data, report writing.

CIV 340S (3) Introduction to Environmental Engineering. Prerequisites: CHEM 141; Co-requisite: CIVL 340, CIV 330, CIVL 330. Basic concepts of environmental engineering, local and global environmental issues, scientific, social, ethical, legal and political aspects of environmental issues; quantitative engineering analysis of sources, transformations, and effects of pollutants in water, air, and soil; introduction to water and wastewater treatment processes, air pollution control technologies, solid waste, and hazardous waste management. This course requires the completion of a service learning component in specific areas of environmental engineering.

CIVL 340 (1) Environmental Engineering Lab. Prerequisite: CHEM 141; Co-requisites: CIV 330, 340, CIVL 330. Experiments for the analysis of water, wastewater and certain solid wastes. Selected experiments may include determinations of water's or wastewater's pH, alkalinity, turbidity, hardness, and electric conductivity, solids, nitrogen species, dissolved oxygen, biochemical oxygen demand (BOD), chemical oxygen demand (COD), total organic carbon, and chlorinated compounds. Also included will be contaminant leaching test of some solid or hazardous wastes and absorption of contaminants by solid media. Critical analysis of experimental and interpretation of data and scientific presentation (reporting) of results are emphasized.

CIV 360 (2) Design of Steel Structures. Prerequisite: CIV 320. Engineering properties of steel, behavior and design of members subjected to fatigue, and combined loading and compression, plate girders composite beams, open-web joists and connections. Methods of allowable design stress, and load resistance factor design. Elements of plastic analysis and design. Framing systems and loads for industrial buildings and bridges, design constraints.

CIV 370 (3) Water Resources Engineering. Prerequisite: CIV 330 and CIVL 330. This course is designed to review the fundamentals and practices of water resources engineering. Students will explore water resources engineering processes in the theoretical and applied realm in the fields of closed conduit (pipe) flow, open channel flow, surface water hydrology, and groundwater flow. Application of probability and statistical concepts along with the legal, economic and environmental considerations to the analysis and design of complex hydraulic and hydrologic systems will prepare interested student for future careers in water supply, wastewater, flood plain, storm water, and groundwater management.

CIV 380 (3) Introduction to Geotechnical Engineering. Prerequisites: EN 240, and CIV 330. Co-requisite: CIVL 380. Engineering soil classification, flow of water in soils, soil permeability and seepage, concepts of effective stress, stress and compressibility of soils, primary and secondary consolidation settlement, time rate of settlement, soil compaction, soil shear strength, introduction to slope stability, critical thinking and engineering judgment.

CIVL 380 (1) Geotechnical Engineering Lab. Co-requisite: CIV 380. Laboratory experiments to be performed by students to obtain soil parameters for designed problems. Engineering classification of soils, grain size distribution, Atterberg limits, specific gravity, unconfined compression, compaction, in-situ field tests, consolidation, and shear strength determination, application to design problems, critically analyze and interpret data, report writing.

CIV 390 (3) Introduction to Transportation Engineering. Co-requisite: CIV 380. Introduction to planning practice and procedure, design, operation, management, and maintenance of transportation systems, with emphasis on urban issues. General characteristics of transportation engineering systems including streets, highways, transit, airways. Capacity considerations including time-space diagrams. Elementary dynamics of traffic and functional consideration of routes and terminals. Components of transportation engineering facility design including geometric design, earthwork, and pavements.

CIV 410 (3) Capstone Design I. Prerequisites: CIV 340, 360, 390, and senior standing in civil engineering. Group projects are introduced for senior students to work in teams to analyze and design civil engineering systems, and to consider various

factors for design. These projects are aimed at understanding multi-disciplinary systems, interaction between design and construction professionals, realistic design constraints, economical issues, professional practice issues including importance of professional licensure and continuing education, contemporary issues, procurement of work, bidding vs. quality based selection processes. Oral presentation and written report are required.

CIV 411W (3) Capstone Design II. Prerequisite or co-requisite: CIV 410. Continuation of Capstone Design I. Group projects for senior students to work in teams to design civil engineering systems. Understanding of multi-disciplinary systems, interaction between design and construction professionals, realistic design constraints, professional practice issues including importance of professional licensure and continuing education, procurement of work, bidding vs. quality based selection processes, engineering professionalism and ethics. Oral presentation and written report are required.

CIV 420 (2) Design of Concrete Structures. Prerequisite: CIV 320. Engineering properties of concrete for design, analysis and design of reinforced concrete beams, columns, one-way and two-way slabs, footings, retaining walls, and frames, design of multi-story buildings, design constraints, major design project, introduction to prestressed concrete.

CIV 421 (1) Structural Engineering and Materials Testing Lab. Prerequisite: EN 240. Engineering properties and behavior of concrete and other structural members. Test of small-scale model structures. Use of computer-based data acquisition and interpretation systems for comparison of experimental and theoretically predicted behavior; nondestructive testing, critically analyze and interpret data, report writing.

CIV 430 (3) Foundation Engineering. Prerequisite: CIV 380. Shallow foundation analysis and factors to consider for design, subsurface investigations for design, bearing capacity and settlement, mat foundations, piles, caissons, lateral earth pressures and retaining walls, site improvement techniques, design of sheet pile walls and support systems, critical thinking and engineering judgment, ethical considerations.

CIV 441 (3) Water and Wastewater Treatment Processes. Prerequisites: CHEM 141, CHML 141, CIV 340, and CIVL 340. Theories, engineering principles, and design of modern water supply and wastewater treatment processes. Physical-chemical process, including screening, sedimentation, aeration, coagulation, flocculation, filtration, absorption, softening, and disinfection. Biological processes including activated sludge process and anaerobic processes for wastewater and sludge digestion, with emphasis on urban issues. Completion of a design project.

CIV 451 (3) Computer Methods in Civil Engineering. Prerequisite: EN 105, MATH 368, and departmental approval. Fundamentals of analog and digital computers. Organization of problems for computational solution, flow charts, programming, simulation of nonlinear physical systems for application in engineering design, numerical methods in civil engineering. Case studies in civil engineering.

CIV 460 (3) Design of Environmental Engineering Facilities. Prerequisite: CIV 330, 340, and CIVL 340. Analysis and design considerations for environmental engineering facilities such as water and wastewater treatment plants; physical engineering management and solid and hazardous waste, design constraints, resources recovery; biological processes; economical, ethical, societal and other professional considerations, urban issues, completion of a major design project.

CIV 461 (1) Professional and Ethical Issues in Civil Engineering. Prerequisites: senior standing in civil engineering. The task of this course is to reflect on the professional and ethical responsibilities of engineers, which can sometimes conflict with technical responsibilities. This course will articulate an ethical framework for engineers by critically reflecting on engineering practice and examining the ethical challenges that confront engineers working within teams and organizations. The course covers issues such as the social responsibility of engineers, attitudes, truth-telling and disclosure, whistle-blowing, professionalism, contemporary issues, and risk-assessment.

CIV 465 (3) Advanced Water Resources Engineering. Prerequisite: CIV 370. Advanced engineering hydrology, advanced hydraulic structures, hydraulic similitude and modeling, wave action, flow over spillways, optimization of water resources systems, design constraints, introduction to GIS applications to water resources engineering, completion of a major design project.

CIV 466 (3) Advanced Design of Hydraulic Structures. Prerequisite: CIV 370. Analysis and characteristics of flow in open channels (natural and artificial); channel design considerations including uniform flow (rivers, sewers), flow measuring devices (weirs, flumes), gradually varied flow (backwater and other flow profiles, flood routing), rapidly varied flow (hydraulic jump, spillways), and channel design problems (geometric considerations, scour, channel stabilization, sediment transport); analysis and design of hydraulic structures such as dams, spillways, etc., based on economic, environmental, ethical, political, societal, health, urban issues, and safety considerations.

CIV 468 (3) Hazardous Waste Engineering. Prerequisite: CHEM 241, CHML 241, CIV 340, and CIVL 340. Comprehensive study of the complex, interdisciplinary engineering principles involved in hazardous waste handling,

collection, transportation, treatment, and disposal. Also covered are waste minimization, site re-mediation, and regulations important for engineering applications. Design constraints, engineering judgment, and ethical responsibility are covered. Contemporary hazardous waste issues and urban issues are also addressed.

CIV 470 (3) Urban Transportation Engineering System Design. Prerequisites: CIV 310, 390, and CIVL 310. Advanced design of highway systems, vehicle and driver characteristics, highway capacity, design of urban streets and expressways. Design constraints. Individual and team design projects oriented toward the solution of local urban transportation problems, societal and economical considerations.

CIV 471 (3) Principles of Geoenvironmental Engineering. Prerequisite: CIV 380. Topics in geoenvironmental engineering in an urban environment, landfill design and incineration options. Stability of landfills, liner systems. Waste characterization, minimization, collection, treatment, transport and disposal. Leachate characteristics and potential groundwater contamination, design constraints. Legal and ethical considerations.

CIV 472 (3) Applied Geotechnical Engineering Design. Prerequisite or co-requisite: CIV 430. Practical real life urban projects and advanced laboratory experience in geotechnical engineering, construction dewatering, construction issues, safety and economy, urban geotechnical engineering issues, preparation of subsurface investigation and geotechnical engineering reports, ethical considerations, oral presentation.

CIV 475 (3) Pavement Design. Prerequisite: CIV 380 and 390. Aggregate, binder systems. Theory and design of pavement structures, rigid and flexible pavement design, subgrade materials, pavement management, nondestructive testing, pavement maintenance, design constraints, infrastructure maintenance, major design project.

CIV 476 (3) Advanced Design of Steel Structures. Prerequisite: CIV 360. Behavior and design of members subjected to fatigue, dynamic, combined loading. Methods of allowable design stress, and load resistance factor design. Design of continuous beams, plate girders, composite beams, open-web joists, connections, torsion and plastic analysis and design. Framing systems and loads for industrial buildings and bridges, design constraints and a major design project.

CIV 477 (3) Advanced Design of Concrete Structures. Prerequisite: CIV 420. Theory and design of reinforced concrete continuous beams, slender columns, two-way slabs, footings, retaining walls, shear walls and multi-story buildings. Design for torsion and design constraints. Framing systems and loads for buildings and bridges, design constraints and a major design project.

CIV 478 (3) Design of Wood and Masonry Structures.

Prerequisite: CIV 420. Engineering properties and behavior of wood for analysis and design of wood beams, walls and diaphragms. Engineering properties and behavior of masonry for analysis and design of masonry walls, columns, and shear walls. Framing systems and loads of multi-story buildings, design constraints and a major design project.

CIV 479 (3) Evaluation, Maintenance, and Rehabilitation of Public Works Infrastructure.

Prerequisites: CIV 390 and 475. Evaluation, maintenance, and rehabilitation of deteriorated infrastructure systems by considering life cycle costs and long-term performance. Understanding rehabilitation alternatives in the practical field and designing rehabilitation schemes based on the non-destructive testing methods of economical considerations.

CIV 481 (3) Special Problems in Civil Engineering.

Prerequisite: departmental approval. Individual investigation in a recognized major area of civil engineering of particular interest to the students that are not normally covered in regular courses. May include a co-op project.

Computer Engineering Courses:

CPE 312 (3) Computer Organization and Design.

Prerequisite: EN 212 and CPEL 212. This course introduces the basic computer organization, which includes the Central Processing Unit (CPU) architecture, memory organization, and input/output subsystem. It covers instruction sets, addressing modes, hardwired control, and microprogrammed control. Projects emphasized simple CPU designs.

CPE 315 (3) Synthesis with Hardware Descriptive Language.

Prerequisites: EN 212, ENL 212, and CSC 118. This course provides an overview of digital logic design. It covers modeling and simulation of basic digital systems using a hardware descriptive language. Topics include behavioral, data flow, and structural modeling.

CPE 330 (3) Electronics. Prerequisite: EN 220. This course introduces fundamental concepts in electronics. Topics include diode, BJT, and FET circuits. It covers frequency response, biasing, current sources and mirrors, small-signal analysis, and design of operational amplifiers.

CPEL 330 (1) Electronics Lab. Co-requisite: CPE 330. Co-requisite: CPE 330. This laboratory course includes experiments that validate the concepts covered in CPE 330–Electronics. Experiments include diode circuits, BJT characteristics, FET characteristics, and MOSFET circuits.

CPE 345 (3) Electromagnetic Fields. Prerequisites: EN 252 and PHY 212. This course introduces fundamental concepts in

electromagnetics and photonics. Concepts include flux, potential, gradient, divergence, curl, and field intensity. Topics cover boundary conditions, solutions to Laplace and Poisson equations, capacitance and inductance calculations, conductors, insulators, and magnetic materials.

CPE 351 (3) Signals and Systems.

Prerequisites: EN 220 and EN 252. This course introduces theoretical analysis of signals and systems. Topics include time-domain response and convolution, Fourier transform, frequency-domain response using Fourier series, and Laplace transform, discrete Fourier series and transform, sampling, z-transform, and relationships between time and frequency descriptions.

CPE 355 (3) Control Systems.

Prerequisite: CPE 351. This course introduces fundamental principles of classical feedback control. Topics include state variable analysis of linear dynamic systems, stability of linear control systems, time-domain analysis and control of linear systems, root-locus analysis and design-pole-zero synthesis, and frequency domain techniques for analysis and design of control systems.

CPE 360 (3) Embedded Microprocessor Systems.

Prerequisite: CPE 312; Co-requisite: CPE 330. This course covers the architecture, operation, and applications of microprocessors. Topics include microprocessor programming, address decoding, interface to memory, interfacing to parallel and serial input/output, interrupts, and direct memory access. Course project is to design, build, and program a simple microprocessor-based system.

CPEL 360 (1) Microprocessor Laboratory.

Co-requisite: CPE 360. This laboratory course enables students to validate the major concepts covered in CPE 360–Embedded Microprocessor Systems. Experiments include building and/or interfacing a microprocessor system.

CPE 412 (3) Computer Architecture.

Prerequisite: CPE 312. This course covers computer architecture design issues. Topics include organization of CPU, processor systems design, computer arithmetic, memory system organization and architecture, interfacing and communication, performance, and multiprocessing.

CPE 430 (3) Digital VLSI Design.

Prerequisite: EN 212 and CPE 330. This course introduces principles of the design and layout of Very Large Scale Integrated (VLSI) circuits with concentrations on the Complementary Metal-Oxide-Semiconductor (CMOS) technology. Topics include MOS transistor theory and CMOS technology, characterization and performance estimation of CMOS gates. Course projects involve layout designs and simulations using computer-aided design tools.

CPE 431 (3) Digital System Testing and Design for Testability. Prerequisites: CPE 330 and EN 212. This course introduces fundamental techniques for detecting defects in VLSI circuits. Topics include fault models, fault detection, and schemes for designing systems to be easily testable and with self-test capability.

CPE 440 (3) Communication Systems. Prerequisites: CPE 351 and MATH 307. This course introduces students to analog and digital modulation techniques. Topics include random processes, power spectral density, effects of noise on, and bandwidth requirements of, different modulation schemes.

CPE 441 (3) Computer Networks. Prerequisite: CPE 312. This course introduces students to network protocols and network architectures. Topics include characteristics and principles related to Wide Area Network (WAN), and network devices and their relationship with network protocols and architectures. It also provides methods for characterizing and analyzing communications systems performance.

CPE 442 (3) Digital Communications. Prerequisite: CPE 440. This course introduces the principles of transmission and reception of digital signals, and the design and performance analysis of digital receivers. Topics covered include pulse code modulation (PCM), line coding, modulation schemes, digital multiplexing, optimum detection thresholds, and analysis of communications system in presence of noise, information theory, and error correcting codes.

CPEL 442 (1) Digital Communications Laboratory. Co-requisite: CPE 442. This laboratory course includes experiments that validate the concepts covered in CPE 442–Digital Communications. Experiments include modulation and demodulation of AM and FM signals, sampling, matched filtering, generation and detection of ASK, PSK, QPSK, and QAM signals, simulation, and analysis of a complete digital receiver.

CPE 445 (3) Applied Electromagnetics. Prerequisite: CPE 345. This course introduces to the analysis wave propagations over free space as well as over transmission lines. Furthermore, it discusses the principles of operation and performances of antennas. Topics covered include plane wave propagation, analysis of wave propagation over transmission lines and wave guides, radiation and antennas, introduction to fiber optical and satellite communications.

CPE 446 (3) Wireless Communications. Prerequisite: CPE 440. This course introduces students to signal transmission and reception in wireless communication systems. Topics include understanding of radio channel characteristics, cellular concept, multiple access methods, modulation techniques, diversity and error correcting codes for wireless systems and also wireless communication standards.

CPE 447 (3) Telecommunications Switching and Transmission. Prerequisite: CPE 440. The course introduces students to the telecommunications standards and infrastructure which includes both the switching and transmission components. Topics covered include public switching network hierarchy, various switching methods, the digital transmission hierarchy, transmission media characteristics and applications, and switching and transmission technologies and standards (ATM, ISDN, etc.).

CPE 451 (3) Digital Signal Processing. Prerequisite: CPE 351. This course introduces the theory and algorithms for processing deterministic and stochastic signals. Topics include discrete signals, linear filtering; Fast Fourier Transform, nonlinear filtering, spectrum estimation, linear prediction, adaptive filtering, and array signal processing.

CPE 490S (3) Senior Design Projects I. Prerequisite: Senior standing. This course is based on group design projects. Students work in teams to develop proposals for their selected projects. Topics include engineering professionalism, ethics, design methodology, project management, development of specifications, and evaluation of alternatives. Students make oral presentation and submit written reports on their proposed projects.

CPE 491W (3) Senior Design Projects II. Prerequisite: CPE 490. In this course students complete the design projects proposed in CPE 490–Capstone Design I. Students perform the design synthesis, analysis, construction, testing, and evaluation of their team projects. Topics include safety, engineering professionalism, ethics, safety. Students make oral presentation and submit final reports documenting their results.

CPE 492 (1 - 4) Special Studies in Computer Engineering. Prerequisites: Junior/Senior standing in Computer Engineering and consent of Chair. This course is based on individual projects and problems selected by instructors and individual students. It is open to juniors/seniors in computer engineering only. No more than four credit hours of CPE 492 can be applied towards the degree.

CPE 493 (1 - 4) Special Topics in Computer Engineering. Prerequisites: Junior/Senior standing in Computer Engineering and consent of Chair. This course includes lectures on recent topics of special interests to students in various areas of computer engineering. It is designed to test new experimental courses in computer engineering. No more than four credits of CPE 493 can be applied toward the degree.

DEVELOPMENTAL ENGLISH

Division of Undergraduate Studies OFFICE: Charles F. Moore Building, 1st Floor

ENG 001 (3) **Developmental English.** This course is designed to give intensive practice in the fundamental of grammar usage, sentence structure, mechanics and diction.

ENG 002 (3) **Intermediate English.** This course is designed to serve as a bridge course between ENG 001 and 104. Primary emphasis will be placed on paragraph writing.

ENG 399 (3) **Functional Writing.** This course is designed to help the student gain proficiency in thinking logically, writing intelligently and effectively. (For students who are not successful on the English Proficiency Examination.)

ENGLISH

Department of English and Modern Foreign Languages OFFICE: Dollye M. E. Robinson Building, 4th Floor

ENG 104 (3) **Composition I.** This course is the first part of the two-semester freshman composition program and is designed to give intensive study and practice in writing themes. Emphasis is placed on grammar and mechanics, the sentence, the paragraph, and the essay.

ENG 105 (3) **Composition II.** Prerequisite: ENG 104. ENG 105 is a continuation of ENG 104 with emphasis on critical thinking and writing essays; writing the research paper, business letters, and resumes.

ENG 111, 111X–Honors (3) **Composition for the Language Arts Major.** An intensive course in the principles of rhetoric and composition with emphasis on the structure, organization and style of the various types of discourse: exposition, description, narration, and argumentation.

ENG 112, 112X–Honors (3) **Composition for the Liberal Arts Major.** Prerequisite: ENG 111. A continuation of ENG 111, with emphasis on the styles and types of writing reflected in literary genres.

ENG 201 (3) **Humanities I.** Man's achievements in literature, art and music from prehistoric times to the middle ages are studied in this course. Both western and nonwestern cultures will be included.

ENG 202 (3) **Humanities II.** Man's achievements in literature, art and music from the middle ages to modern times are studied, with attention to the gradual unification of world culture.

ENG 205 (3) **World Literature I.** Prerequisites: ENG 104, 105, or ENG 111, 112. A one-semester survey of classical literary masterpieces representative of the Ancient, Medieval, and Renaissance and Modern Periods. The course will assist the student in reading literary works with increased perceptiveness and understanding of the complex resources available to the imaginative writer for the representation of human experience and reality.

ENG 206 (3) **The Literature of Science I.** A one-semester survey of literature by scientists or about science which conveys scientific and literary values.

ENG 207 (3) **Literature of Science II.** A continuation of Literature of Science I, which surveys additional works by scientists or about science having both literary and scientific value. A unit on the relationships between mathematics and the arts will be included.

ENG 208 (3) **The Law in Literature I: Humanities and Criminal Justice.** To gain knowledge of human applications of the law and their consequences through a study of fictional works from ancient times to the 20th Century.

ENG 209 (3) **The Law in Literature II: Humanities and Criminal Justice.** This course is a continuation of ENG 208.

ENG 211 (3) **Humanities for English and Mass Communication Majors.** A course that focuses on the ways in which human beings express their creativity through music, art, literature, dance, film, and other media. The student studies those expressions of man which best reveal how he has viewed himself over the centuries: his art, his music, his literature, ranging from social and political concepts to poetry and drama.

ENG 212 (3) **Humanities for English and Mass Communication Majors.** A continuation of ENG 211.

ENG 213 (3) **Professional Writing.** A course designed for those students of varied academic backgrounds and occupational interests whose jobs or careers will, or already do, require specific writing skills. Since many of the types of writing are not taught in basic composition courses, this course offers students opportunities to enhance these particular skills, thereby providing them with on the job experience that would not ordinarily be gained in regular composition courses offered at Jackson State University.

ENG 216 (3) **Survey of the Elements of Fiction.** A one semester course dealing with the elements of fiction with specific emphasis on the analysis of the elements.

ENG 218 (3) **Advanced Composition.** This course is designed to help students master the basic forms of writing appropriate to each level of discourse.

DESCRIPTION OF COURSES / 241

ENG 219 (3) **Classical Mythology.** A course designed to gain knowledge of Greek and Roman myths and what they symbolize in the contemporary world.

ENG 222 (3) **World Literature II.** A one-semester survey of literary masterpieces representative of the Enlightenment, Romantic, Realist, and Modernist traditions. The course is designed to serve as a direct although optional continuation of ENG 205.

ENG 223 (3) **Practical Rhetoric.** Practical Rhetoric is a course in effective writing the disciplines. While the course reinforces the writing skills students have already learned, it is concentrated largely on learning to apply the modes of discourse-exposition, description, narration, and persuasion—to issues, problems, and concerns related to one's discipline. Attention is also given to writing summaries, syntheses, and critiques.

ENG 228 (3) **English Word Power.** Building English vocabulary from a knowledge of Latin and Greek roots.

ENG 303 (3) **Grammar and Composition.** A study of the structural, functional, and rhetorical aspects of composition. Linguistic concepts will be discussed. Articles on applied linguistics will be reviewed, and language will be presented from an objective structural point of view.

ENG 313 (3) **Seminar on Learning Strategies.** A course designed to improve student's performance on standardized tests.

ENG 315 (3) **Women in Literature.** Women in Literature is a study of various portraits and delineations in literature showing both problems and progress of women. Male and female authors will be studied with particular emphasis given to a study of works by female writers. The course is multi-ethnic and multi-cultural in its approach. It is open to all students as an elective.

ENG 316 (3) **Adolescent and Young Adult Literature.** The course is designed to give students an overview of books and related materials suitable for adolescent and young adult readers. This course will investigate various issues in adolescent and young adult literature theory, teaching resources, and effective pedagogy.

ENG 319, 320 (3) (3) **Survey of English Literature.** A two-semester course designed to acquaint the student with the masterpieces of English Literature and with the various intellectual and literary movements (ENG 319–Beowulf to Pope; ENG 320–Johnson to contemporary writers).

ENG 321 (3) **Survey of American Literature (1600-1865).** Prerequisites: ENG 205, English Option. A general survey of American Literature and the Literary and intellectual

movements from Colonial days to the Civil War. Writers from Smith to Whitman are studied.

ENG 322 (3) **Survey of Recent American Literature (1865 to present).** A survey of American Literature from the Civil War to the present.

ENG 330 (3) **Syntax.** The study of principles by which words are combined to form grammatical sentences. Discussions of constituent structure, transformation, grammatical category, and lexicon.

ENG 331 (3) **Introduction to Linguistics.** An introduction to major linguistic theories, including the transformational-generative theory. Illustrations will be drawn from modern languages with their phonological, syntactic, and semantic components.

ENG 332 (3) **The English Language.** The origins and development of the English language, with stress on the problem of change. The relationship of English orthography to pronunciation will be discussed.

ENG 335, 336 (3) (3) **Creative Writing.** A laboratory of imaginative writing emphasizing composition for students interested and talented in creative writing. Hours and credits to be arranged by instructor.

ENG 401 (3) **Language Arts in Elementary School.** All phases of an effective language arts program in the elementary school curriculum are examined.

ENG 402 (3) **Language Arts in Secondary Schools.** This course examines exploratory and systematic approaches to teaching the language arts in the high school in order to give prospective teachers alternate approaches to teaching language arts.

ENG 403 (3) **Linguistics and the Teaching of English.** This course is designed to equip students with a general background of linguistic theory and orientate them to the most effective methods for teaching the expressive arts.

ENG 404 (3) **Richard Wright: Art and Protest in Twentieth Century Black Prose and Fiction.** A study of the major works of Richard Wright, his career as a bridge between the Harlem Renaissance and the Black Arts Movement, and as a major figure in literary criticism and art as protest.

ENG 405 (3) **Margaret Walker: Art and Protest in Twentieth Century Black Poetry and Fiction.** A study of the major works of Margaret Walker, her career as a bridge between the Harlem Renaissance and the Black Arts Movement, and as a major figure in literary criticism, humanism, and feminism.

242 \ JACKSON STATE UNIVERSITY

ENG 415 (3) **The English Novel.** The development of the novel from the works of Richardson to the present.

ENG 416 (3) **The American Novel.** Puritan, Romantic, Naturalistic, and Realistic traditions in the American novel from its origin to the present.

ENG 418, 419 (3) (3) **Survey of Black Authors.** A two-semester course that treats selected works by African American authors.

ENG 420 (3) **Medieval Literature.** A study of English Literature up to 1500, Beowulf, Sir Gawain and the Green Knight, the Pearl will be read in translation. The works of Malory and Chaucer will be read in the original Middle English.

ENG 421 (3) **Chaucer.** This course centers on Chaucer's Literary achievement and merit and on treatment of the Prologue to the Canterbury Tales, selected Tales, and selections from his shorter works.

ENG 422 (3) **Renaissance Literature.** English Literature from 1500 to 1649, excluding the works of Shakespeare and Milton.

ENG 423, 429 (3) (3) **Comedies and Tragedies of Shakespeare.** A study of the major comedies, histories, and tragedies. Tragedies and comedies alternate per semester. Comedies–Summer; Tragedies–Fall. Students can earn a total of six (6) hours of credit. (See ENG 429.)

ENG 424 (3) **Milton.** The major poetry and selected prose within the context of the historical and literary background of the period.

ENG 425 (3) **Restoration and Neo-Classic Literature.** A study of English Literature from 1660 to 1798 emphasizing the historical, rational, critical, and philosophical trends.

ENG 426 (3) **The English Romantic Movement.** Primarily the works of Blake, Wordsworth, Coleridge, Byron, Shelley, and Keats as they express the literary trends of the age.

ENG 427 (3) **Dramatic Literature of England (1581-1640).** A study of the drama of the period, exclusive of Shakespeare.

ENG 428 (3) **The Victorian Period.** An intensive survey of literature of the period, especially of the poets and essayists.

ENG 429 (3) **Tragedies of Shakespeare.** Study of the major tragedies, including historical tragedies of Shakespeare. Tragedies and comedies alternate per session: Comedies–Summer; Tragedies–Fall. Students can earn a total of six (6) hours of credit. (See ENG 423.)

ENG 430 (3) **Classical and World Literature.** Studies in translation of outstanding literary models throughout the world.

ENG 431 (3) **Modern and Contemporary World Literature.** The study of worldwide literature and literary trends in relationship to social aspects of today's world.

ENG 432 (3) **American Renaissance Literature.** Selected works of Emerson, Thoreau, Hawthorne, Melville, Poe, Whitman, and Dickinson.

ENG 433 (3) **American Drama.** The development of American theatrical writing since the First World War.

ENG 434 (3) **Twentieth-Century American Fiction.** Major writers of the period.

ENG 435 (3) **Twentieth-Century American Poetry.** The study of contemporary American poets.

ENG 436 (3) **Principles of Literary Criticism.** The study of basic principles of literary evaluation in the light of major critical theories from Plato to Deconstruction.

ENG 440 (3) **Independent Study (Honors Course).** Intense reading and writing of a long investigative paper in a specific area of American or English Literature under the direction of a specialist in that area, by permission of department head.

ENG 445 (3) **Sociolinguistics.** This course intends to promote awareness of various language patterns in the oral and written language of individuals from multi-ethnic backgrounds.

ENG 452 (3) **Comparative Literature.** Comparative studies of great authors, genres, and periods.

ENG 495 (3) **Senior Seminar in English.** A research course designed to have majors think through what they have learned in their discipline, to share their knowledge with one another and the faculty, and to expand their knowledge of the field both in depth and breadth.

PRE-ENGINEERING

Department of Technology OFFICE: J. Y. Woodard Building

ETD 361 (4) **Statics.** Prerequisite: MATH 112. Force systems, moments of force, couples, equilibrium, moments of area, load diagrams, graphic and analytical methods.

ETD 362 (4) **Material Mechanics.** Prerequisites: ETD 361, and MATH 232. Stress, strain, elastic constants, deflection, indeterminant loading, torsion, bending, instability and fatigue.

ETD 366 (4) **Pre-Engineering Statics.** Prerequisite: MATH 231. Concurrent force systems, moments of force, couples, equilibrium, moments of area, and load diagrams.

ETD 367 (4) **Pre-Engineering Material Mechanics.** Prerequisites: ETD 366, and MATH 232. Stress, strain, elastic constants, deflection, indeterminant loading, torsion, bending, instability.

ETD 368 (4) **Pre-Engineering Dynamics.** Prerequisites: ETD 366, and MATH 232. Kinematics and Kinetics of rigid body motion, graphic and analytic solutions, linkages, gears, cams.

FINANCE AND GENERAL BUSINESS

Department of Economics, Finance and General Business OFFICE: College of Business Building

Finance

FIN 317 (3) **Principles of Insurance.** Prerequisite: Junior classification. This course covers the theory of insurance and risks shifting, and current insurance practices. We also examine personal and business insurance coverage, and the significance or various insurance related contract clauses. (F, S)

FIN 320 (3) **Business Finance.** Prerequisite: ACC 212. This course acquaints students with business organizational forms, financial statement analysis, capital budgeting, time value of money, international finance, and ethics. (F, S, Sum)

FIN 443 (3) **Financial Management.** Prerequisites: FIN 320. This course is a study of capital budgeting, risk analysis and valuation, cost of capital, leasing, reorganization, capital structure, and dividend policy. (F, S)

FIN 446 (3) **Commercial Banking.** Prerequisites: FIN 320. This course considers the theory of commercial banking's affect on the money supply and national income. Emphasis is placed on the concept of asset management, the relationship of asset management to liquidity and profitability, and commercial banking and the nation's credit structure. (F, S)

FIN 447W (3) **Investments.** Prerequisite: FIN 320. This course covers alternative investment analysis, securities markets, valuation of securities, capital market theory, and aggregate stock market analysis. (F, S)

FIN 450 (3) **Financial Institutions.** Prerequisite: FIN 320. This course is a study of financial institutions and markets. Students will be exposed to historical factors that led to the development of major financial institutions and the impact of legislation on financial institutions. The importance of

intermediation will be stressed along with the theory of interest rates, and regulatory issues. (F, S)

FIN 451 (3) **Portfolio Theory.** Prerequisite: FIN 447. This course is a study of the theory underlying the management of portfolios consisting of securities and other assets, the measurement of risk and return, utility analysis, the construction of portfolios, and the evaluation of portfolio performance, international diversification, and the legal and ethical responsibilities of financial planners. (F, S)

FIN 452 (3) **International Finance.** Prerequisite: FIN 320. This course considers financial decision making involving the transfer of funds across national boundaries. A multi-dimensional approach is used in examining terms of trade, the international monetary system, foreign exchange markets, international financial markets and portfolio diversification, import and export financing, theory of comparative advantage, and global issues. (F)

General Business

GB 201 (3) **Introduction to the Legal Aspects of Business.** This course provides an overview of the legal foundations of American society, and its court system. Emphasis is placed on examining the application of laws to the business community, the legal structure and operation of business organizations, and the affect of government regulations on business activity. Business ethics is also covered. (F, S, Sum)

GB 302 (3) **Business Law.** Prerequisite: GB 201. This course is an in-depth review of the law of contracts, i.e., formation, operation, discharge, and legal and equitable remedies. It examines Articles 2, 3, 4, and 9 of the Uniform Commercial Code (UCC): Sales Contracts, Negotiable Instruments, Bank/Customer Relations and Electronic Funds Transfers. It also covers a review of individual and business organizations bankruptcy relief. (F, S, Sum)

GB 318 (3) **Principles of Real Estate.** This course surveys the rights and duties involved with real property ownership. The class is divided into three components: fundamental concepts of property rights and the law; principles of real estate and business practices involved in real estate transactions and finance; and third, the professional duties and responsibilities of the real estate brokerage profession. (F, S)

GB 350 (3) **Real Estate Sales.** This course covers the theoretical and practical guidelines in selling real estate through advertising, personal contact and sales techniques. A combination of theory and practical application are used to enhance the student's ability to successfully compete in real estate sales without a long period of on-the-job training. (D)

GB 418 (3) Introduction to Commercial/Industrial Real Estate. Prerequisite: FIN 318. This course is designed to acquaint the student with all types of commercial and industrial real estate from raw, undeveloped land to multi-story office buildings. The effect of zoning and other regulations, utilities, location and function are analyzed along with design and aesthetic qualities. (D)

GB 440 (3) Business Research. Prerequisite: ECO 359. This course considers research design and methodologies applicable to business problems. The class also focuses on the analytical and mathematical foundation to methodologies covered. Use of statistical software is required. (D)

GB 448 (3) The Influence of Government on Business. Prerequisite: GB 301. This course focuses the relationship between the governmental sector and non-governmental sectors of the economy. Topics covered typically pertain to the legal environment, legislation, and/or regulations governing business organizations. (D)

GB 453 (3) Real Estate Appraisal. This course examines the nature of real property value and the functions and methods of estimating value with emphasis on residential market value, and covers the Uniform Standards of Professional Appraisal Practices. (D)

GB 455 (3) Real Estate Property Management. This course involves practical training for real estate salespersons, brokers and others in the management of income-producing real property in organizations, leases, contracts, merchandising, tenant selection, relations with owners and tenants, collections maintenance, accounting ethics, and legal and professional relationships. (D)

GB 456 (3) Real Estate Brokerage Management. This course covers the organizing, planning, and running of a real estate office (sales) and is designed for the person who wants to open his/her own office or become a real estate sales manager. Human relationships and organizational theory involved with motivational techniques are examined. (D)

GB 457 (3) Real Estate Law. This course is a study of the principles of laws governing real estate including acquisitions, encumbrances, transfer rights and obligations of parties and state and federal regulations thereof. (D)

GB 458 (3) Real Estate Financing. This course is a study of the institutions involved in real estate financing; and the procedures and techniques requisite to the analysis of risks involved in financing real estate transactions, and an examination of the terminology and instruments used in financing and taxing real property. (D)

GB 459 (3) Real Estate Investment Analysis. This course covers the financial measures of return used to average income-producing real estate including cash-on-cash return, total return on equity, gross rent multipliers and internal rate of return. Theories of depreciation and real estate taxation are studied so that the total investment analysis process is covered. (D)

GB 460 (3) Co-op/Independent Study. Prerequisite: Junior standing and the permission of the department chair. This course is designed for the student who desires work experience to relate to his conceptual background in business theories or for the student who wishes to research a topic that is not currently being offered in the curriculum. (D)

GB 461 (3) Co-op/Independent Study. Prerequisite: GB 460, senior standing, and the permission of the department chair. This course is a follow-up to GB 460 for the student who desires additional work experience or for the student who wishes to research a second topic that is not currently being offered in the curriculum. (D)

FOREIGN LANGUAGES

Department of English and Modern Foreign Languages OFFICE: Dolye M. E. Robinson Building

FLG 455 (3-6) Travel/Study Course in Languages and Culture. Supervised travel to a foreign country prepared for with the completion of an independent study reading list. The student will enroll in this course the semester before the two-week period scheduled for the trip, and at that time the student will be given a reading list from which he/she will prepare for an examination. A total of six credits will be received for passing the examination and taking the trip; three credits for passing the examination.

FLG 460 (1-6) Special Studies in Modern Foreign Languages. A course designed to adapt to almost any problem posed by a student whose needs cannot be filled by the existing arrangement of course titles and credit hours. Subjects can include study of language, literature, or culture with emphasis on either oral, reading, or written aspects. Senior standing preferred.

ARAB 101-102 (3-3) Elementary Modern Arabic. An introduction to Arabic. Essentials of the language. Training in the four skills of listening, speaking, reading and writing in the Arabic language. May not be taken by native speakers.

FR 252 (1) French for Scientists/Technologies. (Mini-course). Condensed study of linguistic structures. Exercises and reading of selections in: mechanical, electrical, and civil

engineering; chemistry, biology; physics; health-related sciences. Designed principally for the community.

FR 254 (1) **French for Business Careers.** (Mini-course). Vocabulary, phraseology and sentence structure of business organization; transactions; money and legal matters; business letters; inquiry and information; application and references. Exercises and readings. Designed principally for the community.

SP 250W (1) **Spanish for Travelers.** (Mini-course). A course tailored to the needs of those Mississippians who plan to travel to Spain and/or Latin America. Emphasis will be given to expressions and vocabulary necessary for passing through customs, registering in a hotel, ordering meals, and asking directions. Designed for the community.

SP 254W (1) **Spanish for Businessmen.** To acquaint businessmen with the vocabulary, office procedures, and customs of the Spanish-speaking business world. Proper pronunciation will be stressed to facilitate communication. Designed for the community.

SP 256W (1) **Spanish for Industry.** This course is designed to acquaint the trained technologist with the possible uses of the many technical manuals available in Spanish. Stress will be placed on developing facility in the use of these manuals to promote communication with industrialists and technologists of the Spanish-speaking world. Designed for the community.

SP 258W (1) **Spanish for Health-related Professions.** To acquaint the professional in the areas related to health with various manuals available to communicate with the Spanish-speaking patient. Proper pronunciation of the materials in these manuals will be stressed so that communication with the patient will not be impeded. Designed for the community.

CHINESE

Department of English and Modern Foreign Languages OFFICE: Dollye M. E. Robinson Building

CH 101, 102 (3) (3) **Elementary Mandarin Chinese.** An introduction to the essentials of the language. Training in the four skills of listening, speaking, reading, and writing in the Mandarin Chinese language. May not be taken by native speakers.

FRENCH

Department of English and Modern Foreign Languages OFFICE: Dollye M. E. Robinson Building

FR 101, 102 (3) (3) **Elementary French.** An introduction to French. Essentials of the language. Training in the four skills of listening, speaking, reading, and writing in the French language. May not be taken by native speakers.

FR 201 (3) **Intermediate French.** Prerequisites: FR 101, 102 or equivalent. Review of essentials. Reading of appropriate texts and analysis and discussion emphasizing content and grammar. Conducted mainly in French. May not be taken by native speakers. May be used to satisfy 3rd or 4th semester departmental requirement.

FR 202 (3) **Intermediate French.** Prerequisites: FR 101, 102, 201 or equivalent. Continuation of FR 201. May not be taken by native speakers. May be used to satisfy the 4th semester departmental requirement.

FR 213 (3) **French Phonetic and Reading.** Prerequisites: Intermediate option, FR 201 or equivalent. Scientific study of the sounds and pronunciation of the French language using the International Phonetics Alphabet (IPA) as a foundation.

FR 230, 231 (3) (3) **French Civilization Studies.** Emphasis on French history, philosophy, sociology, politics, cultural and social institutions, and, to a limited degree, literature. Taught in English and open to the general study body.

FR 311 (3) **Survey of French Literature.** Prerequisites: FR 201 and 202. A general outline course in the history of French literature from the Middle Ages to the end of the 18th Century.

FR 312 (3) **Survey of French Literature.** Prerequisites: FR 201 and 202. A general outline course in the history of French literature from the beginning of the 19th Century to the present.

FR 321 (3) **Composition and Conversation.** Prerequisites: Any 6 hours of Intermediate options or equivalent. Exercises in speaking, comprehension, and composition. May not be taken by native speakers.

FR 322 (3) **Composition and Conversation.** Prerequisite: FR 321. A continuation of FR 321. May not be taken by native speakers.

FR 401 (3) **Methods of Teaching Modern Foreign Languages.** A course designed to treat the principles, problems and materials involved in the teaching of French and other foreign languages on the secondary level. Required of foreign language majors with senior standing who follow teaching program.

246 \ JACKSON STATE UNIVERSITY

FR 421, 422 (3) (3) **Advanced Topics for Conversation.**
Prerequisite: FR 321, 322 or equivalent. Intensive practice in oral French using topics of culture, civilization, politics, and economics of the French-speaking world. May not be taken by native speakers.

FR 425, 426 (3) (3) **French Structural Review I and II.**
Prerequisites: Any 6 hours of intermediate options. Development of written skills through grammatical and stylistic drills; guided and original compositions. Individual corrections.

FR 430, 431 (3) (3) **Advanced French Civilizational Studies.**
Prerequisites: FR 230 and 231. Advanced studies of the political, cultural, social, literary, and philosophical background of French Civilization. Taught in French with emphasis on in-depth study and research. Course countries may be adapted to student needs and interests.

FR 441 (3) **Medieval and Renaissance French Literature.**
Prerequisites: FR 230 and 231. Study of the origins of French literature, from courtly romances through lyric poetry, culminating with an examination of the humanistic literature of the French Renaissance. Discussions, reports, tests, papers.

FR 443 (3) **Seventeenth-Century French Literature.**
Prerequisites: FR 230 and 231. An examination of artistic and social writings, of baroque and classical literary figures such as Comeille, Moliere, Racine, La Fontaine, Descartes, Pascal, Mme de LaFayette, La Bruyere, and La Rochefoucauld. Discussions, reports, tests, papers.

FR 444 (3) **The Classic Theater.** Prerequisites: FR 230 and 231. A study of representative plays of Corneille, Racine, and Moliere. Discussions, reports, tests, papers.

FR 445 (3) **Eighteenth-Century French Literature.**
Prerequisites: FR 230 and 231. Representative works of Montesquieu, Voltaire, Diderot, and Rousseau. Discussions, reports, tests, papers.

FR 447 (3) **Nineteenth-Century French Literature.**
Prerequisites: FR 230 and 231. Selected works of prose, poetry, and drama from the writers of the first half of the 19th Century. Discussions, reports, tests, papers.

FR 448 (3) **Nineteenth-Century French Literature.**
Prerequisites: FR 230 and 231. Selected works of poetry and drama from the writers of the second half of the 19th Century. Discussions, reports, tests, papers.

FR 449 (3) **Twentieth-Century French Literature.**
Prerequisites: FR 230 and 231. A study of the writers and dominant literary currents from 1900 to the 1950s. Discussions, reports, tests, papers.

FR 450 (3) **Twentieth-Century French Literature.**
Prerequisites: FR 230 and 231. A continuation of FR 449, covering literary works during and after the 1950s. Discussions, reports, tests, papers.

FR 451 (3) **The Negritude Literary Movement.** Prerequisites: Any 6 hours of Intermediate options. An introductory seminar on Black Authors of French Expression from French-speaking Africa, Haiti, the Antillean Islands and the Malagasy Republic. Discussions, reports, tests, papers.

FR 452 (3) **The Novel in Afro-French Literature.**
Prerequisites: Any 6 hours of Intermediate options. An examination of novels written in French by Black authors from Africa, Haiti, the Antillean Islands, and the Malagasy Republic. Discussions, reports, test, papers.

FR 453 (3) **The Theater of Afro-French Literature.**
Prerequisites: Any 6 hours of Intermediate options. An examination of theatrical works, including films, written in French by Black authors from Africa, Haiti, the Antillean Islands and the Malagasy Republic. Discussions, reports, test, papers.

FR 454 (3) **Poetry in Afro-French Literature.** Prerequisites: Any 6 hours of Intermediate options. An examination of the poetry written in French by Black authors from Africa, Haiti, the Antillean Islands, and the Malagasy Republic. Discussions, reports, test, papers.

FR 464, 465 (3) (3) **Honors Course in French.** Prerequisites: Departmental approval and a 3.00 average in French. Topics vary yearly, depending on needs and desires of students.

FR 480 (3) **Independent Study.** Prerequisite: Departmental approval. Special reading assignments, investigative paper, or research project in a specific area of French literature, philosophy or culture directed by a specialist in that area.

FR 499 (3) **Senior Seminar.** Prerequisites: Departmental approval and senior status. The primary purpose of this course is to interrelate all areas covered in French during the first three years of study of the language, literature and culture.

GEOGRAPHY

Department of History and Philosophy
OFFICE: Dollye M. E. Robinson Building, Room #358

GEOG 103 (3) **Introduction to Physical Geography.**
Knowledge of basic concepts and techniques in studying the physical features of the earth.

DESCRIPTION OF COURSES / 247

GEOG 105 (3) Introduction to Cultural Geography. Knowledge of the basic concepts characterizing each culture with emphasis on past population and global problems; patterns and spatial aspects of fertility and mortality; migration; social customs on the landscape; and urban patterns. Students are required to do two cultural field based projects.

GEOG 209 (3) World Regional Geography. Study of the different geographical regions of the world consisting of early settlement; people and economic development; physical environment; resources; and future. This class is a lecture-lab. Students are required to do lab activities in class, the library, and community field based as well.

GEOG 210 (3) Economic Geography. Analysis of the interrelationship of economics and geography, with emphasis on international economic activity.

GEOG 211 (3) Population Geography. Analysis of population trends and the geographical conditions necessary to support certain types of populations.

GEOG 212 (3) Transportation Geography. Analysis of the role of geography in the volume and types of transportation characteristics of certain areas.

GEOG 224 (3) Aerial Photo Interpretation. An introduction to the techniques of interpreting data from aerial photographs and other remotely sensed media of geographic information.

GEOG 227 (3) Quantitative Methods in Geography. An introduction to the methods and techniques of data collection, geographic sampling and data analysis in geography.

GEOG 251 (3) Climatology. An introductory study of the characteristics and causes of climatic conditions and changes.

GEOG 315 (3) Conservation of Natural Resources. Exploration of ways to conserve natural resources as well as the need for such.

GEOG 321 (3) Field Methods in Geography. Acquaintance with techniques utilized by geographers in field study.

GEOG 322 (3) Social Geography. The study of the geographic factors and characteristics that affect the spatial distribution of various social groups with emphasis on North America.

GEOG 323 (3) Introduction to Geographic Research. Introduction to the essential methods and processes involved in geographic research.

GEOG 324 (3) Introduction to Cartography. Introduction to the essential methods and processes involved in geographic research.

GEOG 325 (3) Political Geography. Analysis of the interrelationship of politics and geography, with emphasis on political nation-states, as affected by geography.

GEOG 326 (3) Urban Geography. Examination of the role that geography plays in helping one understand the nature and development of urban areas.

GEOG 391 (3) Geography of Anglo America. Study of the characteristics of Anglo-America and its geographic development.

GEOG 396 (3) Geography of the South. Study of the physical and political characteristics of the South.

GEOG 421 (3) Remote Sensing Applications. Deals with techniques for measuring the earth's physical, biological, and cultural resources from a few feet to thousands of miles.

GEOG 425 (3) Geography of Africa. Study of the human, biotic, and physical elements of Africa.

GEOG 433 (3) Geography of Latin America. Examination of the geographical characteristics of Latin America.

GEOG 449 (3) Geography of Asia. Exploration of the continent of Asia as a geographical region.

GEOG 452 (3) History and Development of Geographical Thought. Traces the development of geographical thought and the discipline from Ancient Egypt to the present.

GENERAL STUDIES

Division of Undergraduate Studies OFFICE: Charles F. Moore Building, 1st Floor

GNST 100 Learning Skills Lab. This course is designed for students enrolled in the Summer Developmental Program. Emphasis is placed on English, math and reading skills along with study skills and other academic and social activities at the university.

GNST 101 Academic Support I. This course is designed to assist conditionally admitted, as well as other volunteer students with their freshman courses. The goal of this course is to provide individualized support for "marginally" prepared students in regular academic credit courses.

GNST 102 Academic Support II. This course is the second part of the year-long academic program which is designed to continue to offer individualized support for "marginally"

prepared students in regular academic credit courses. Emphasis is placed on study skills, learning to learn strategies and lifelong skills.

GNST 103 (1) First-Year Writing Seminar. This seminar focuses on the academic strategies, resource knowledge, and social networking necessary for freshmen to make a successful transition to college life., this course is taken in conjunction with Intermediate English 002. In this course, students practice processes appropriate for college writing and reading, identifying rhetorical contexts (audiences and purposes) common in academic discourse and writing about personal experiences as well as academic readings. By writing and revising several essays, students refine their pre-writing, drafting and revising strategies to produce focused and detailed papers.

GNST 104 (1) First-Year Reading Seminar. This seminar focuses on topics and strategies in reading comprehension designed for first-time freshmen on the university level. The seminar in reading plays a central role in the development of the learning communities and meets the requirements of the Freshman First-Year Program. The seminar is designed to assist students in enhancing various intellectual skills necessary for a successful first-year program at Jackson State University.

GNST 105 (1) First-Year Mathematics Seminar. This seminar is designed to show the undergraduate community at Jackson State University some fascinating and exciting sides of mathematics. The seminar is taught by faculty members and support staff who have an interest in freshman education. The seminar does not follow a structured classroom format, but it will provide an opportunity for students to become involved in experiences that broaden the subject of mathematics.

GNST 200 (2) Learning to Learn. This course is designed to give students a chance to put failure in perspective and take charge of their future. It will assist students in determining what obstacles are interfering with their learning, in overcoming their problems and in gaining self-confidence and self-determination. (For students on probation.)

GERMAN

Department of English and Modern Foreign Languages OFFICE: Dollye M. E. Robinson Building

GR 101, 102 (3) (3) Elementary German. An introduction to German. Essentials of the language. Training in the four skills of listening, speaking, reading, and writing in the German language. May not be taken by native speakers.

GR 201 (3) Intermediate German. Prerequisites: GR 101, 102 or equivalent. Review of essentials. Reading of

appropriate texts and analysis and discussion emphasizing content and grammar. Conducted mainly in German. May not be taken by native speakers. May be used to satisfy 3rd or 4th semester departmental requirement.

GR 202 (3) Intermediate German. Prerequisites: GR 101, 102, 201, or equivalent. Continuation of GR 201. May not be taken by native speakers. May be used to satisfy 4th semester departmental requirement.

GR 203 (3) Scientific German. Prerequisites: GR 101, 102, or equivalent. Open only to students concentrating or preparing to concentrate in one of the natural sciences. Selected readings in scientific German designed to develop a technical vocabulary facility for reading materials in various sciences. May satisfy 3 hours of a Natural Science departmental requirement.

GR 204 (3) Intermediate German Conversation. Prerequisites: GR 101, 102 or equivalent. Emphasis on the spoken aspects of German. May not be taken by native speakers. May be used to satisfy 3rd or 4th semester departmental requirements.

GR 205 (3) Intermediate German: Culture and Civilization. Prerequisites: GR 101, 102 or equivalent. Emphasis on cultural highlights of Germany. Readings, discussions, slides, media presentations. May not be taken by native speakers. May be used to satisfy 3rd or 4th semester departmental requirements.

GUIDANCE AND COUNSELING

Department of School, Community and Rehabilitation Counseling OFFICE: Joseph H. Jackson Building

GUID 100 (2) Concepts for Success in College. A course designed to assist freshmen in their adjustment to college life and in exploring career options.

GUID 215 (3) Human Growth and Development. This course is designed to provide pre-service education majors with a broad overview of processes, patterns, and influences on human development and learning from birth through adolescence. Special emphasis will be placed on (1) cognitive, social-emotional and physical development during the early childhood, middle childhood and adolescent years; and (2) cultural and ecological influences on the developing child such as the family, the school, and the peer group. Particular emphasis will be placed on the role of learning throughout the developmental process. (F, S, Sum)

HEALTHCARE ADMINISTRATION

**Department of Health Policy and Management
OFFICE: Jackson Medical Mall**

HCA 300 (3) Healthcare Administration Practicum. The first in a series of two that allows students to apply learned theories and concepts in a work situation. Sites to be considered for placement will include, but not limited to hospitals, long-term care facilities, ambulatory centers, managed care organizations, mental health centers, community health centers, medical group practice, health insurance companies, rehabilitation centers, and government health agencies.

HCA 301 (3) Introduction to Healthcare Organizations. An overview of the healthcare delivery systems in the United States. It is designed to familiarize beginning healthcare administration students with social, political, economic, demographic, cultural, financial, and technological forces that shape the organization, structure, and operation of the United States healthcare system.

HCA 303 (3) Medical and Administrative Terminology. This course is designed to study the basic and administrative medical language skills and essential concepts of management science applied in healthcare organizations.

HCA 310 (3) Health Economics and Payer Systems. This course is designed to acquaint students with the application of micro-economics to the health sector. Topics covered will include concepts and measures of health, markets for medical and hospital care, health insurance, financing of healthcare, demands for healthcare, physician supply, cost efficiency, cost effectiveness, and cost benefit analysis.

HCA 311 (3) Public Health and Epidemiology. This course is concerned with the modern organization, philosophy and objectives of public health policies and practices. This course examines methods, information, and determinants of health status involved in applications of epidemiology to control the health problems of community populations.

HCA 320 (3) Healthcare services Management. This course introduces students to modern management concepts, tools, and techniques in healthcare administration, and to practical applications of management theory in health services organizations. Topics covered will include: (a) the ethical, legal and technological aspects of healthcare administration; (b) motivational theories and leadership and managerial styles; (c) strategic planning and marketing; (d) problem-solving, decision-making, and conflict resolution strategies; (e) organizational communication; (f) human resources management; and (g) labor relations.

HCA 334 (3) Organization and Personal Health Behavior. This course studies human health behavior from the interrelated perspective of individuals who need and seek medical attention and the professionals who provide these services in healthcare settings. The patient focus concerns the social determinants of health status and personal management of risks affecting it, while professional considerations examine the behavioral roles and relationships that contribute to managing organizational performance, culture, conflict, design and change.

HCA 340 (3) Healthcare Administration of Ambulatory Services. This course examines the organizational characteristics and management requirements of the diverse range of ambulatory healthcare setting, including emergency departments, primary care centers, attached and free-standing outpatient service units, physician office practices, and other such non-inpatient diagnostics, surgical, and rehabilitation facilities. Of special interest is the exploration of both general and distinct administrative competencies and practices that are essential for professional managers of these ambulatory-based services.

HCA 352 (3) Human Resource Management in Healthcare. Human resources are the most valuable elements of any organization, especially in the healthcare industry. It is management's responsibility to implement and coordinate a total human resource system—composed of work force planning, recruitment and selection, placement, and retention—to ensure that the health service organization is properly staffed.

HCA 365 (3) Hospital Acute Care Administration. Major teaching hospitals (academic medical centers), short-term general community hospitals, community hospitals, long-term care hospitals, rehabilitation hospitals, military and Veteran Administration hospitals, psychiatric hospitals, and women and children's hospitals, are all licensed as institutions offering acute medical care. Among these various types of facilities are vast differences in their characteristics and the different needs of people served. This course explores these various institutional distinctions of organizational design, service goals, and professional cultures.

HCA 380 (3) Statistics for Health Services. This course studies basic biomedical public health and administrative statistical measurement techniques to test hypotheses, confirm correlations and interpret health information for management, clinical, and organization decision purposes.

HCA 381 (3) Long-term and Mental Healthcare Administration. This course is designed to provide students with a basic overview of the long-term care continuum, including nursing homes, mental health systems, and non-instructional alternatives such as home health agencies, adult day care centers, and retirement homes. The long-term care

needs of the elderly and the mentally ill concomitantly with the public policy responses to their needs will be examined.

HCA 384 (3) Healthcare Policy and Politics. This course is an overview of healthcare policy in the United States. It is designed along four major themes: (1) a historical and socio-political analysis of the relationship of government and health; (2) an exploration of health policy and the political structure; (3) an examination of the role of interest groups and public opinion in health policy; and (4) health policy and the political process.

HCA 400 (3) Healthcare Administration Internship. The second in a two-sequence series of administrative internships for healthcare administration students. The course is designed to allow students to apply learned theories and concepts in a work situation. Placement sites will include, but not be limited to, hospitals, long-term care facilities, ambulatory care centers, managed care organizations, mental health centers, community health centers, medical group practice, health insurance companies, rehabilitation centers, and public health agencies.

HCA 402 (3) Healthcare Planning and Marketing. This course is designed to provide students with an overview of the strategic planning processes used by healthcare organizations. Methods and practices of determining market demands and resource requirements for health services development are explained.

HCA 410 (3) Integrated Seminar for Strategic Management. Prerequisite: All other courses. A senior culminating seminar provides a comprehensive “capstone” or integrative study for students concluding the HCA curriculum. It is intended to draw upon all dimensions of course work to review and apply the learning derived from previous studies towards solutions and reforms in contemporary health issues, policy questions, professional practices and administrative challenges. Case and literature studies, guest seminar leaders, internship reports and experiences, and individual student problem-solving applications provide the focus of weekly topics investigated.

HCA 420 (3) Administrative Law and Ethics in Healthcare. This course is an exploration of the legal issues and professional management ethics related to providers and consumers of health services. Emphasis is placed on application of legal doctrines in the healthcare settings and the administrative implications of health related legislation and programs. Study topics include negligence, liability, medical malpractice, labor law, informed consent, and related patient care protective rights.

HCA 431 (3) Health Professional Career Development Seminar. This is a professional development course designed to socialize and familiarize the student with the historical background and trends in the field of healthcare administration.

The social, political, economic, and technological factors influencing the development and growth of the healthcare administration profession will be explored. Additionally, students will be introduced to the job search process and the process of applying for admission to professional schools. Students will learn how to: (a) write a cover letter and resume, (b) write a job search plan, (c) apply interviewing techniques, (d) dress professionally, and (e) develop networking skills.

HCA 440 (3) Health Management Information Systems. The analysis, design and installation of management of information systems in healthcare organizations are studied, including their application to data processing, inventory control, resource allocations, space utilization, work flow and job design and analysis, quality improvement, reengineering, and change management.

HCA 450 (3) Financial Management of Health Services. This course teaches students the fundamental concepts and principles of financial medical services in health businesses. Topics include financial management systems, breakeven analysis, cost-benefit ratios, rate-setting, working capital, cash flow, and asset-budget planning for financial control.

HCA 470 (3) Healthcare Research and Evaluation. This is an introductory examination of the theories, methods and approaches in research and evaluation of healthcare problems. Students are taught how to design scientific investigations of problems affecting personal health status and the organizations providing health services. The classroom learning concludes with student applications of research designs and proposals to formulate selected health problems.

HCA 480 (3) Applied Research/Management Project. Prerequisite: All other courses. Students conclude their curricular studies by independently designed and implementing either research or administrative projects that address positive advances for health service problems through scientific management solutions. The research option uses small-scale studies of specific organizational or personal health problems. The management project similarly expects students to design and complete an operational problem or change in some healthcare setting by applying administrative practices. Each project option requires a proposal and final report approved by the faculty advisors that students select for supervision.

HCA 482 (3) Managed Care and Integrated Systems. This course offers students a descriptive survey and assessment of the trends, concepts, policies and practices in the managed care industry (MCO). Emphasis is on how administrative personnel fulfill the MCO mission and dynamic development. Students review the different models of these networks and organizations together with the impact of regulation, subscriber rights, risk management, physician relationships, and other challenges to manager care. National healthcare reform via private markets

and MCO's versus public system interventions is also considered within the vexing dilemma of benchmark social change in American health policy.

HCA 498 (3) Contemporary Issues in Health Care Administration. This course is designed to teach the participants ways to abstract research journals on issues prevalent to the course. It focuses on areas of Healthcare Agencies that contribute to the Academic growth of the students. A variety of readings are required and oral presentation given to improve their communication skills. Visitations to these agencies are highly recommended.

HCA 499 (3) Independent Study. This course is intended to provide to students, especially graduating seniors, the opportunity to acquire an in-depth and specialized knowledge of one or more of the myriad issues in the healthcare system. It calls for an individualized and independent investigation and study of a healthcare or public health issue or problem. Under the guidance of an instructor of similar interest in the issue problem, the student develops and implements a conceptual framework that undergirds the study. Pedagogy is expressed through the use and application of management science theories.

HEALTH

Department of Health, Physical Education and Recreation OFFICE: T. B. Ellis Physical Education Complex

HE 101 (3) Concepts of Health. This course is designed to give students a basic knowledge in the areas of drugs, alcohol, sexually transmitted diseases, ecology, chronic diseases, nutrition and physical fitness enabling them to make wise decisions concerning their life and health. (F, S, Sum)

HE 113 (3) First Aid. Designed to acquaint students with the skills needed to provide immediate aid to persons who suffer sudden injury or illness. This course also services as a preparatory course for certification as an instructor. (F, S, Sum)

HE 122 (3) Foundations of Health. This course is designed to provide an understanding of the historical background, principles, philosophy and contemporary problems in the field of health. (S)

HE 201 (3) Concepts of Health for Teachers. This course is designed to give prospective health teachers a comprehensive body of knowledge in the areas of mental and emotional health, alcohol and drugs, nutrition, physical fitness, infectious diseases, chronic diseases, STD's and AIDS. (F, S, Sum)

HE 206 (3) Organization and Administration of School and Community Health. This course is designed to provide information on the organizational structures of the various community health and related agencies and the public school system. Emphasis is placed on the functions of each entity and how they coordinate activities with other agencies and the public schools. (F, S)

HE 208 (3) Epidemiology of Diseases. This course is a survey of selected communicable and noncommunicable diseases of man. An in-depth study of pathogenic and non-pathogenic disease theories will be examined as well as sign symptoms of these selected conditions. (F, S)

HE 311 (3) First Aid, Prevention, and Care of Injuries. This course provides for an integrated interpretation of the principles of anatomy, physiology and kinesiology as related to the prevention and care of injuries. (F, S)

HE 333 (3) Methods and Materials in Teaching Health. This course provides for instruction in the significant aspects related to integration and coordination of health methods, materials and techniques of teaching health. (F, S)

HE 399, 399H (Honors) (3) Human Sexuality. This course provides the student with a basic orientation to the varied dimensions of sexuality. This orientation includes information on historical perspectives on sexual customs and behavior, methods in sex research, anatomy and physiology of the reproductive systems, reproduction, birth control, STDs, and emphasis on sexual responsibility. (F, S)

HE 401 (3) Research, Classroom Management, and Clinical Practice (A–Elementary Schools, B–Secondary Schools). This course is designed to integrate the research of effective teaching and learning with theory and practice. Students will engage in micro-teaching and will be expected to demonstrate mastery of fourteen competencies measured by the Mississippi Teacher Assessment Instrument. Students will also be introduced to classroom management strategies for effective classroom discipline and teaching routines. The clinical practice will be a field based activity.

HE 402 (12) Clinical Internship in Student Training (A–Elementary Schools, B–Secondary Schools). This course is a continuation of the practical learning experiences engaged in during the 401 course, but in off-campus school and community situations for two twelve weeks where opportunity is given to the student teacher to test theories of teaching and learning, to initiate ideas with children. With guidance and supervision, the student teacher is also given the opportunity to develop the ability, initiative and responsibility for planning, guiding and evaluating the total program of the children with whom he/she is working.

HE 403 (3) **Consumer Health and Safety Education.** This course is designed to present a body of information to aid the consumer in making wise decisions about purchasing and using a variety of health products and services. Special emphasis is placed on the health care team, allied health professionals and questionable medical practices. (F)

HE 404 (2) **Family Living Education.** This course is designed to provide basic information in the physio-socio-cultural aspects of sex education and family living. Critical issues in sex will be vied including sex as it affects the Black American. (F)

HE 495 (3) **Problems and Issues in Health.** This course is an investigation of special health problems with emphasis on possible prevention of such problems. Directed individual study of selected problems in drug abuse, alcoholism, venereal disease, cancer and heart disease will be conducted. (F)

HE 498 (3) **Introduction to Alcohol and Drug Education.** This course provides an overview of the world of drugs—drug abuse, drug dependence, drug-using behavior, and examining the use, effects, and potential for abuse of the major psychoactive drugs. (F, Sum)

HISTORY

Department of History and Philosophy OFFICE: Dollye M. E. Robinson Building

HIST 101 (3) **History of Civilization I.** A global survey and study of the histories of major geographical regions and populations between humans' prehistory beginnings and their civilizational, societal, and cultural developments by the 15th century. Additionally, the course provides and promotes student learning outcomes that include content literacy about the human historical experience and the honing of specific skill sets—i.e., reading comprehension, critical, and analytical thinking as well as effective written and oral communication.

HIST 102 (3) **History of Civilization II.** A global survey and study of the histories of population groups, their regional geographics and their civilizational and cultural developments from the 15th and the 21st century. The course emphasizes both content literacy and enrichment as well as the honing of skill sets, especially students' reading comprehension, analytical and critical thinking, problem solving and effective oral and written communication.

HIST 111 (3) **History of Civilization I.** The course is specifically designed for freshmen history majors to begin their subject literacy in prehistory, early civilizational, ancient, and medieval history. Provided to majors as well is the opportunity

to realize proficiency in the required academic skills of the discipline, especially the requisite competencies in research, critical and analytical thinking and effective written and verbal communication.

HIST 112 (3) **History of Civilization II.** A study of global regions, populations and cultures commencing with the 15th century technological advances in European maritime travel and reconnaissance, the resulting foreign exploration, colonization, revolutions, and rise in nation states, the emergent economic and military alliances, the world wars, the Cold War, the decolonization of Africa and Asia, and the emergence of the post-colonial world in the latter 20th and beginning of the 21st century. The designed course of study is for freshmen history majors affording them continued historical literacy and the further honing of the skill sets of research, proficient written, and verbal expression as well as critical, creative, and analytical thinking.

HIST 201 (3) **United States History I.** A survey of American society from the Colonial period to Reconstruction that emphasizes its political, cultural, social, and economic developments.

HIST 202 (3) **United States History II.** A survey of American society since Reconstruction that emphasizes its political, cultural, social, and economic developments.

HIST 205 (3) **Topics in History.** A study of historical problems and issues in American, African, Latin American, Asian, and European History using comparative analysis to promote intense topical reading, research, and critical writing exercises.

HIST 211 (3) **Survey of Europe I.** A study of the origins of European institutions and the rise of the nation state from the Middle Ages to 1715.

HIST 212 (3) **Survey of Europe II.** A study of European national cultures, conflicts, imperialism, and industrialization.

HIST 300 (3) **Oral History Methodology.** An introduction to the application of oral history techniques and methodology.

HIST 301 (3) **Advanced Projects in Oral History.** Prerequisite: HIST 300. Designed to engage students in field projects on and off campus while using the techniques, methodology, and machinery of oral history.

HIST 302 (3) **Local History.** Survey of techniques and methodology of researching and writing local history.

HIST 308 (3) **American Military History.** Survey of the American war experience from the colonial period to the Vietnam War.

HIST 310X (3) **The Twentieth Century World (Honors).** An honor's seminar examining the history of the world from 1900 to the present concentrating on imperialism and resistance to it.

HIST 311 (3) **Ancient History.** A study of the society of Greece, Rome, and the Middle East to 476 A.D.

HIST 317 (3) **History of England I.** A survey from the Celts to the Glorious Revolution concentrating on the evolution of English government from kingship to constitutional monarchy.

HIST 318 (3) **History of England II.** A survey from 1688 to the present, tracing development from an aristocratic to a democratic form of government.

HIST 320 (3) **colonial United States to 1763.** A detailed study of the colonial structure emphasizing the nature of government, politics, economics, and culture.

HIST 321 (3) **American Revolution and the Federalist Period.** A detailed study of the forces which produced the struggle for independence and the subsequent political, economic, social, cultural, and military structures in the United States.

HIST 322 (3) **The Age of Jefferson and Jackson.** A detailed study of society with emphasis on the awakening of American national life and the problems that accompanied it. Investigates the search for social order and justice focusing on the slavery controversy, reform movements, social experiments, etc.

HIST 323 (3) **Civil War and Reconstruction.** Provides for the study of America between 1861 and 1877 with emphasis on the cause(s) of the Civil War, the emancipation of slaves, their transition from slavery to freedom, and the interpretations of Reconstruction.

HIST 325 (3) **History of Mississippi.** A survey of the political, economic, social, and cultural development of Mississippi with special emphasis on late nineteenth and twentieth centuries.

HIST 327 (3) **History of Latin America I.** A study of the pre-Columbian natives, the Spanish and Portuguese colonial administration, its effect on the native population, and the independence movement.

HIST 328 (3) **History of Latin America II.** A study of the independent Latin American countries with emphasis on culture, politics, and economic problems, particularly in contemporary society.

HIST 329 (3) **History of the Caribbean.** A study of the economic, political, social, and cultural life, of the people of the Caribbean area and their relationship with the United States.

HIST 330 (3) **Indians in North America.** An examination of the various Indian cultures of the United States, and the study of Indian-White relations.

HIST 331 (3) **Renaissance and Reformation.** The antecedents and development of the Renaissance in Italy, its spread into the rest of Europe, and the resultant revolution in religious and political thought.

HIST 334 (3) **Eighteenth Century Europe, 1715-1815.** A study of the social, political, economic, and ideological movements and their conflict during the French Revolution.

HIST 335 (3) **Nineteenth Century Europe.** A study of reaction, middle class revolution, industrialization and social adjustment to economic change and urbanization.

HIST 344 (3) **Historiography.** Designed to study the problems encountered in studying, interpreting and writing history. Majors will also be introduced to schools and theories of historical interpretation in American, Asian, European, and African historiography.

HIST 345 (3) **Seminar in Public Institutions: A Reflection of American Society.** Research and study at designated public or private institutions. Students must provide travel funds.

HIST 346 (3) **South Asia.** A general study of the history of South Asian countries to the present.

HIST 352 (3) **China I.** In-depth study of the history of some important Chinese dynasties to 1644.

HIST 353 (3) **China II.** In-depth study of China since the seventeenth century.

HIST 354 (3) **Southeast Asia.** A general description of the history of Southeast Asia to the present, then of the individual countries playing a role in world politics, including analysis of the Vietnam War.

HIST 360 (3) **Blacks in American History I.** An analysis and interpretation of the involvement of Black people in the economic, social, political, and cultural developments of the United States to 1877.

HIST 361 (3) **Blacks in American History II.** A continuation of HIST 360 from 1877 to the present.

HIST 370 (3) **Historical Archaeology.** Introduction to archaeology with an emphasis on historical and material culture.

254 \ JACKSON STATE UNIVERSITY

HIST 372 (3) Survey of Arts and Architecture. Survey of American art and architecture with an emphasis on the evolution of the American house.

HIST 380 (3) History of the Frontier. Designed to study the westward movement of the United States. Emphasis will be placed on the relationship of the movement to political, economic, and land policies and on relations with the Native American population.

HIST 381 (3) History of the Old South. A survey of southern society from the Colonial period through the Civil War. The unique southern character and institutions are explored.

HIST 382 (3) History of the New South. A survey of the development of economic, cultural, political and social institutions in the South since Reconstruction. An analysis is made of the forces that have shaped the lives of southerners in the post-Reconstruction era.

HIST 383 (3) Women in America. Designed to examine the role of women in the development of America. Emphasis will be on reform, resistance to their movements, their role in politics and their impact on society.

HIST 385 (3) Black Women in Southern Culture. A seminar which examines the roles of Black women in the development of Southern and American Culture. Emphasis will be on problems encountered, reforms, roles in politics, the work force, religion and their general impact on society.

HIST 402 (3) History of the Middle East. The rise of Islam and its expansion to 1900.

HIST 403 (3) Contemporary Middle East. 1900 to Present. Dissolution of the Ottoman Empire, rise of Zionism and Arab Nationalism, the conflict of Palestine, the establishment of the state of Israel in 1948, the Egyptian Revolution.

HIST 405 (3) African History I. A critical study based on selected readings of North and West Africa from the earliest beginning to current times with primary emphasis on the impact of Islam and the Atlantic slave trade.

HIST 406 (3) African History II. A critical study based on selected reading of Southern Africa covering the land between the Congo and Zambezi Rivers to the southern tip of the continent. The course will emphasize the Bantu migration, the ethnic and cultural diversity of the region, the impact of European colonialism, and the current state of affairs in the region, especially the influences of the Republic of South Africa.

HIST 407 (3) African History III. A critical study based on selected readings of East Africa from Somalia to the Zambezi and all lands featuring the Great Rift Valley. The course will

emphasize the birthplace of early man in this region, the ethnic and cultural diversity of the area, the Arab and European influence in East Africa, and post-independence developments in the region.

HIST 410 (3) Constitutional History of the United States I. A historical study of the origin and development of political parties as agencies of popular government, the growth of the judicial system, nationalism and states rights, leading constitutional problems to the Compromise of 1877.

HIST 411 (3) Constitutional History of the United States II. An analysis of major developments in American constitutional history from the Civil War to the present. Special attention is devoted to the expansion of national government powers.

HIST 412 (3) European Imperialism. An analysis and interpretation of the circumstances that enabled Europeans and their descendants to explore, settle, conquer, control, and dominate two-thirds of the world's peoples.

HIST 414 (3) History of Russia I. A survey of Russian history from her most ancient kingdoms through the imperial period of the early twentieth century.

HIST 415 (3) History of Russia II. A critical study of modern day Russia beginning with the Bolshevik Revolution and the formation of the Union of Soviet Socialist Republics. Emphasis is placed on the socialist model of revolution as a competitor of the democratic model in world politics.

HIST 417 (3) Emergence of Modern America, 1875-1917. An analysis of American society emphasizing political, economic, and social changes between the end of Reconstruction and our entry into World War I.

HIST 418 (3) War, Depression, and Recovery, 1917-1941. An analysis of American history during World War I, the turbulent 1920's, the Great Depression, and the New Deal Years.

HIST 419 (3) Contemporary United States, 1941 to the Present. A study of the social, political, and economic history of the United States.

HIST 420 (3) English Legal and Constitutional History. A study of the origin and development of the common law and parliamentary government.

HIST 424 (3) French Revolution and Napoleon. A study of the causes, nature and course of the French Revolution and its impact on Europe.

HIST 430 (3) Diplomatic History of the United States. Survey of American foreign policy since the Colonial Period including a review of current issues.

DESCRIPTION OF COURSES / 255

HIST 440 (3) **The History of World War II.** The course will survey the events of the war from its origins in the policy of appeasement through the dropping of the atomic bomb. The resulting shifts in global power caused by the war will be addressed as well.

HIST 441 (3) **Twentieth Century Europe, 1900-1939.** A study of the world wars, the impact of the first world war, and the revolutionary movements which produced nazism, fascism and appeasement.

HIST 442 (3) **Twentieth Century Europe, 1939 to Present.** A study of the second world war, European recovery, the victory of socialist governments, and the development of the common market.

HIST 447 (3) **Research Seminar.** Prerequisite: HIST 344. For senior History majors with emphasis on completion of a major historical research paper.

HIST 448 (1 - 6) **Independent Study and/or Directed Readings.** Prerequisite: Consent of instructor. Intensive study in research materials or reading directed toward a specified topic or project.

HIST 449 (3) **Black Americans in the South.** A study of the development of the Black Southerners culturally and institutionally between the Civil War and 1915.

HIST 450 (3) **Black Political and Social History.** A seminar which critically analyzes black social and political leaders, their philosophies, roles, and strategies employed to resolve societal problems facing African Americans.

HIST 452 (3) **Introduction to Public Historical Studies.** Introduction to the areas, issues, techniques, literature and current draft of public and applied history.

HIST 460 (3) **History of Science and Society I.** Study of scientific theories, experimentations, and personalities from an historical perspective with an emphasis on the influence of science on society and culture.

HIST 460 (3) **History of Science and Society II.** Study of scientific theories, experimentations, and personalities from an historical perspective with an emphasis on the influence of science on society and culture.

HIST 470 (3) **Restoration Technology.** Introduction to the techniques and methodology of historic restoration of material culture.

HIST 473 (3) **Introduction to Museums.** Survey of the history of American museums and principles of museum management.

HIST 476 (3) **Archives and Records Management.** Survey of the principles of archive and resource management with an emphasis on material culture.

HIST 479 (3) **Computers and Quantitative Methods.** Introduction to the use of computer programming and quantitative techniques in historical research.

HIST 482 (3) **Introduction to the History of City and Regional Planning.** History of selected features of the physical environment of urban America with an emphasis on the processes of design and change in cities and urban regions.

HIST 498 (3) **Historic Preservation Methodology.** Introduction to the principles of historic preservation with an emphasis on the preservation movement in the United States and some attention to preservation methodology.

HIST 499 (3) **History Internship.** History majors relate their academic education to on-the-job training situations in public and private programs, organizations, and agencies.

TECHNOLOGY

Department of Technology OFFICE: J. Y. Woodard Building

IT 100 (1) **Introduction to Industrial Technology.** A survey of the technology field as it relates to the academic background and opportunities for industrial technology graduates. (F, S)

IT 300 (3) **Internship/Industrial Experience.** Prerequisite: Junior standing or approval of academic advisor. This course provides a supervised practical work experience with an approved industrial enterprise, coordinated by employer, faculty, and student. (F, S, Sum)

IT 490 (3) **Capstone Course.** Prerequisite: Senior standing. This course is designed to give student experience in real work applications through project in business and industry that will encompass all the different subject areas covered in an area related to the student's concentration. (F, S)

ITAS 204 (3) **Introduction to Aerospace.** History of aviation and aerospace, opportunities in the field, fundamentals of flight, navigation, meteorology, and Federal Aviation Regulations.

ITAS 302 (3) **Navigation and the National Aerospace System.** Prerequisite: ITAS 204. Introduction to mapmaking, map reading, deductive reasoning, pilotage, electronic and satellite navigation progressing into the development and use of the National Aerospace System covering space allocations,

256 \ JACKSON STATE UNIVERSITY

legality, new proposals and developments and the resulting economical, social and political implications.

ITAS 304 (3) Aviation Laws and Regulations. Prerequisite: ITAS 204. A study of the development of specifications and regulations governing aircraft manufacturing, maintenance and flight. U.S. Constitutional foundation for the types of laws that govern the aircraft industry, flight operations, contracts, insurance and liabilities. Case studies of prominent cases.

ITAS 401 (3) Flight Safety. Prerequisites: ITAS 204 and 302. A study of the development of specifications and regulations governing aircraft manufacturing, maintenance and flight. The transition from a regulatory flight safety system to the combined regulatory, educational and motivational system incorporating renewed emphasis on the human element. Techniques of establishing, maintaining and perpetuating a safety program, types of safety programs and the demographics of a safety specialist.

ITAS 402 (3) Air Transportation. Prerequisites: ITAS 204 and 302. This course is the study of historical development of the air traffic control systems, present status of air transportation facilities, state and federal regulations, problems and services of commercial air transportation.

ITAS 470 (3) Air Traffic Control. Prerequisites: ITAS 204, 302 or instructor's permission. Designed to provide the student with sufficient knowledge of facilities, management, navigational aids, ATC communications, radar and operating procedures, aircraft separation, aviation weather and Federal Aviation Regulations. Patterned closely after USAF Air Traffic Control School, using same block and end of course tests.

ITC 205 (3) Materials, Construction Procedures, and Practices. A study of the materials, building codes, techniques and procedures employed in building construction. (F, S, D)

ITC 317 (3) Estimating and Scheduling. Prerequisite: ITC 205. The methods of preparing labor and material quantity estimates. (F, S, D)

ITC 319 (3) Structural Design. Structural design procedures with concrete reinforced concrete and steel. (F, D)

ITC 324 (3) Site Planning and Development. The influence of climate, geography topography, and geology on the design of a building site and the different uses of the transit in squaring up forms. (F, D)

ITC 400 (3) Technical Seminar. Prerequisite: Senior standing. An inter-departmental course where application of technical and occupational skills and knowledge are emphasized. Experience in using a variety of techniques at various levels and areas of supervision both on and off campus. (F, S)

ITC 410 (3) Contracts, Specifications and Law. Prerequisite: ITC 205. The preparation of contract specifications and conditions which form the contractual relationship between owner and builder. (F, S)

ITD 114 (3) Computer-Aided Design. The fundamentals of planning and drawing, orthographic projections, graphical and technical analysis, visualization, delineation and communication of special problems. Computer-aided drafting (CAD) will be used as a tool to solve the various problems. (F, S)

ITD 203 (3) Advanced Computer-Aided Design. Prerequisite: ITD 114. Instruction includes drafting and design aids in AUTOCAD and MICROCAD with emphasis on architectural and engineering drafting. (S)

ITD 204 (3) Architectural Design. Prerequisite: ITD 114. The principles and practices of designing, planning, drawing residential plans, and writing Specifications. (F, S)

ITD 316 (3) Electrical and Electronic Design. Prerequisite: ITD 114. A study of the types of electrical and electronic drawings and their uses. Topics include: building, wiring diagrams, electronics wiring diagrams, pictorial drawings, graphs and charts. (F, S)

ITD 319 (3) Graphical Analysis and Design. Prerequisite: ITD 114. The analysis of graphical techniques, procedures and devices used for measurement and computation in the solution of mathematical problems and the presentations of facts for the design of consumer products. (S)

ITD 326 (3) Descriptive Geometry. Prerequisite: ITD 114. The fundamental theories underlying the description in geometrical terms of the shape, size, space, location and space relationship of geometrical magnitudes. (F, S, D)

ITD 327 (3) Machine Drawing and Design. Prerequisite: ITD 203. Pattern drafting, machine drawing and design tolerance and fabrication drawings. (F, S)

ITD 335 (3) Architectural Detail Design. Prerequisite: ITD 204. Research carried out by the student in major areas of drafting. Presentation of ideas in the form of drawings, models, and other media as needed. (F)

ITD 356 (3) Structural Design. Prerequisite: ITD 204. Instruction in basic principles and procedures of structural features such as building bridges, and highway construction, and structural steel. (F, S)

ITD 405 (3) Pipe Design. Basic skills and techniques of pipe drafting, including pipe fitting, valve, symbols, and schematic drawing problems. (F)

DESCRIPTION OF COURSES / 257

ITD 409 (3) **Map Design.** An introductory course to the techniques of map compilation and many usages. (S)

ITD 411 (3) **Engineering Design.** Prerequisite: ITD 114. A study of the engineering profession and specialized areas of engineering drafting. (F, D)

ITE 111 (3) **Basic Electronics.** Prerequisite: MATH 111. An introductory study of laws, theorems, concepts, and principles of electricity and electronics. (F, S)

ITEL 111 (1) **Basic Electronics Lab.** A laboratory course which covers the basic electric quantities, Ohms law, power, resistors, series and parallel circuits, current and voltage divider, voltage and current sources, power measurement, internal resistance and maximum power transfer. (F, S)

ITE 112 (3) **Intermediate Electronics.** Prerequisite: ITE 111. A study of DC/AC current, resistance, magnetism, inductance, capacitance, transformers, etc. (F, S)

ITEL 112 (1) **Intermediate Electronics Lab.** Prerequisite: ITEL 111. A laboratory course which covers network analysis, measurement of DC and AC current and voltage, power in AC circuits, resonance, RL circuits, RC circuits, and RLC circuits. (F, S)

ITE 221 (3) **Device and Circuits.** Prerequisite: ITE 111 & 112. Current flow in doped semiconductors, PN junctions, bipolar junction transistors, and single-staged amplifiers. Emphasis is placed on current control with PN Junction, and on recognition of and characteristic of the three basic amplifier configurations. (F)

ITEL 221 (1) **Device and Circuits Lab.** Prerequisite: ITE 111 & 112. A laboratory course which studies oscilloscope operation, oscilloscope voltage calibration and frequency measurements, characteristics of an inductance, characteristics of a series RC circuits, RC time constants, characteristics of a capacitor, characteristics of a series RLC circuit, RF signal generator, parallel resonant circuit, diodes, and characteristics of amplifiers. (F)

ITE 338 (3) **Digital Logic.** Prerequisite: ITE 111 & 112. A study of single source transistor biasing, differential amplifier, diode-resistor gate, flip-flops, logic AND gate of AND & OR gates,, binary number encoders and decoders, R-s, T-D flip flops, ripple counters, programming a ripple counter, etc. (S)

ITEL 338 (1) **Digital Logic Lab.** Prerequisite: ITE 111 & 112. A laboratory course which covers logic OR gate, logic NOT, AND gate, integrated circuit gates, half-adder circuit full-adder circuit, colpitt: Oscillator, and Karnaugh map, and triggered monostable multivibrator. (S)

ITE 438 (3) **Programmable Logic Controller (PLC).** Prerequisite: ITE 338 or Instructor's permission. This course provides practical experience on PLC's through its operation, programming, and uses in the control of production, manufacturing, industrial, and other processes. (F)

ITE 449 (3) **Network Theories.** Prerequisite: ITE 338. A study of electric networks and analysis of the behavior of networks in terms of natural modes, or the natural frequencies of response due to arbitrary excitation. (F, S)

ITEL 449 (1) **Network Lab.** Prerequisite: ITEL 338. This course provides practical instruction on the networks connection and trouble shooting. Students will be introduced to telecommunications cabling technology and learn the systems used for distribution of data, voice, and video communications. This course will cover identification and application of appropriate connectors, cable types, safety concerns, and testing of systems. (F, S)

ITE 450 (3) **Analog Communication System.** Prerequisites: ITE 221, MATH 221. Study of complete communications systems selected from broadcast radio, broadcast television, closed circuit television or radar, AM, FM and phase-shift modulation and demodulation techniques. (S)

ITE 452 (3) **Fiber Optics & Communications.** Prerequisites: ITE 221, 338, and MATH 221. This course prepares students to understand the principles of fiber optics, practical experience on the troubleshooting of the fiber-optic communication networks and systems, system components, applications of fiber optics in data and network communication systems. (F, S)

ITE 465 (3) **Microprocessor and Application.** Prerequisites: ITE 221, 338. Logical organization of single-chip microprocessors, their timing and interface requirements. Applications in the control of external devices. (F)

ITE 466 (3) **Microprocessor Troubleshooting.** Prerequisites: ITE 221, 338. This course is designed for senior standing students to study professional techniques in microprocessor troubleshooting. Students will learn how to write sample programs for use in troubleshooting, troubleshoot bus, processor, and I/O failures by analyzing signals, and design testable microcomputer. (S)

ITE 475 (3) **Microprocessor Software/Hardware Interfacing.** Prerequisites: ITE 221, 338. This course is designed for senior standing students with an overview of microcomputer systems in software, hardware and interface. Basic microcomputer hardware design at chip level, software programming at the machine language level, and interface to sensors, actuators, and external devices will be introduced. (S)

ITE 476 (3) **Real Time System Design.** Prerequisites: ITE 221, ITE 338, ITE 465, CSC 215. The topics of this course include the general concepts of real-time systems, design and implementation techniques and specific examples. The instruction is divided into three parts. The first introduces the general concepts of real-time systems, the design and implementation process, with emphasis on the techniques useful for real-time applications. The third part is a detailed examination of specific system organization and their appropriate implementation techniques. (S)

ITHM 300 (3) **Principles of Hazardous Materials Management.** Prerequisite: CHEM 141. An introductory survey course for the hazardous materials management program. Provides firm foundation on basic hazardous materials management principles. Topics include definitions of hazardous materials, regulatory overview, technology for storage and disposing hazardous materials, air and water quality Issues Industrial hygiene and hazardous waster management. (F)

ITHM 301 (3). **Regulatory Framework for Toxic and Hazardous Substances.** Prerequisites: ITHM 300, CHEM 141. A study of legislation and regulations surrounding hazardous materials and toxic waste. A study of major legislative/regulatory areas which include: RCRA, TSCA, OSHA, HMTA, CERCLA, and EPA. (S)

ITHM 302 (3) **Technologies for Storage, Treatment and Disposal of Hazardous Materials.** Prerequisites: ITHM 300, CHEM 141. A study of basic principles of hazardous waste management. Methods of treatment and disposal. A comprehensive look at the technologies and related issues in hazardous waste management. (S)

ITHM 402 (3) **Industrial Hygiene.** Prerequisites: ITHM 300, CHEM 141. An overview of occupational health hazards, their recognition, evaluation, and control. Emphasis on how industries are regulated and how occupational health standards are promulgated. (F, S)

ITHM 405 (3) **Risk Assessment in Hazardous Materials Management.** Prerequisites: ITHM 300, CHEM 141. Examines the risk assessment process and its application in various situations, ranging from setting hazardous facilities to regulation and control of toxic substances in the environment. Risk analysis methods and their interaction with social economic and political factors. (F, S)

ITMA 105 (3). **Industrial Safety and Management.** Designed to emphasize the importance of safety in an industrial community. (F, S)

ITMA 325 (3) **Industrial Psychology.** Prerequisite: PSY 201. Designed to acquaint students with the study of human behavior

as it relates to production of goods and services of our society. A study of psychology as it relates to the employees of American industries. (F, S)

ITMA 328 (3) **American Industry.** This course presents practical and successful strategies for implementing the new system, procedures, practices, and cultural attitudes essential for becoming world-class competitive. (S)

ITMA 410 (3) **First-Line Supervision and Foremanship.** A management development course for business, industrial, and institutional supervisors. The topics covered include motivation, leadership, decision-making and supervisory skills. (F, S)

ITMA 411 (3) **Production and Inventory Management.** Deals primarily with inventory classifications, inventory control, optimum inventory, and feature trends in inventory management. (F, S)

ITMA 420 (3) **Labor and Industrial Relations.** Prerequisite: ITMA 325. Discussions of who individuals, groups, and organizations in unions, management, and government act as they do in industrial relations with emphasis on psychological and sociological factors. (S)

ITMA 423 (3) **Motion and Time Study.** Prerequisite: MNGT 250 (school of business). Methods, materials, tools, and equipment of industry for purposes of improvement and standardization. (F)

ITMA 424 (3) **Quality Control.** Prerequisite: MNGT 250 (school of business). The problem associated with improving design, specifications, and control of product quality. (S)

ITMA 425 (3). **Plant Layout and Material Handling.** Prerequisite: ITD 114. The fundamental theories, practices, and methods for the design of manufacturing facilities; materials handling equipment and services. (S)

ITMF 206 (3) **Introduction to Manufacturing Processes.** An introductory study of manufacturing processes. It includes lectures, discussions, labs, and educational tours to local manufacturing industries. (F)

ITMF 339 (3) **Materials Testing.** Prerequisite: ITMF 206. Principles of tensile, compressive, hardness and impact testing of metals and other engineering materials. (F)

ITMF 340 (3) **Hydraulics and Fluid Systems.** Prerequisites: ITMF 206 and 207. This course involves the study of the principles and applications of hydraulics and pneumatics in manufacturing, and the design, construction and maintenance of fluid power systems. (S)

ITMF 410 (3) **CNC-Robotics.** Prerequisites: ITD 114, 203. To study the basic principles of computer numerical control and robotics, and to develop competencies in the use of microcomputer hardware and software in programming for manufacturing applications. (F)

ITMF 420 (3) **Advanced Manufacturing Technology.** Prerequisites: ITD 114, 203, ITMF 340, 206. This course involves the study of the techniques used to control and program machines tools and robots, and the basic principles of computer aided design and computer aided manufacturing (CAD/CAM). (S)

ITMF 425 (3) **Robotics.** This course prepares students to understand the principles and techniques of control systems and programming languages related to robots, programmable controllers, and automated systems used for transportation control. Mechanical, electrical, and fluid control systems used for automated control will be emphasized. (F)

ITMF 430 (3) **Factory Automation.** Prerequisites: ITMF 410, ITE 438. This course prepares students to understand the principles and techniques in the application of automation and control technologies, manufacturing systems, and manufacturing support systems. (F, S, D)

LIBRARY SCIENCE

Department of Educational Leadership OFFICE: Joseph H. Jackson Building

LS 101 (1) **Introduction to Library Resources.** An introduction to the organization and use of the University Library, and to the use of selected reference materials. (F)

LS 231 (3) **Utilization of Audio-Visual Materials.** This course includes the study of principles involved in the selection and utilization of major types of audio-visual materials. (F, S)

LS 234 (3) **Preparation of Inexpensive Instructional Materials.** The purpose of this course is to give the student experience in developing a basic pattern for the preparation of a wide variety of visual materials. (F, S)

LS 301 (3) **Literature for Children.** A survey of library media appropriate for children at the pre-school through the primary grades with emphasis on selection and use. (NOTE: LS 301 is the same as LA 301 and EDCI 308). (F, S)

LS 404 (3) **Principles of Media Selection.** Principles of material selection; policies governing the building and maintenance of collections; evaluation of selection media;

reviews and other sources of information of the book trade; and problems of censorship. (F, D)

LS 405 (3) **Cataloging and Classification.** Basic principles of classification, and cataloging emphasizing the use of the Dewey Decimal Classification System. Sear's List of Subject Headings, and Anglo-American Cataloging Rules. (S, D)

LS 407 (3) **Literature for Adolescents.** Reading and appraisal of literature appropriate to the needs, interests and abilities, of adolescents. Includes the selection and evaluation of materials and methods for stimulating their use. (S)

LS 408 (3) **Basic Reference Sources.** An introduction to reference techniques, and to the basic reference works common to all types of libraries. (D)

LS 409 (3) **Multi-Media Resources.** A study of the functions and characteristics of non-book media including acquisitions, organizational procedures, and effective use. (D)

LS 425 (3) **Administration of School Media Centers.** Includes the study of administrative problems and procedures of the multi-media library in relation to modern philosophies and the prevailing standards of school media service. (D)

LS 426 (3) **Organization of School Media Center.** Emphasis is placed upon the organizational procedures and problems related to the selection, acquisition, preparation, use and maintenance of materials in the school media service. (D)

LS 429 (3) **Library Practice.** Upon completion of at least 18 semester hours in Library Science, students will spend three hours daily in an approved school media center or library to satisfy the practice component of the program. (D)

LS 435 (3) **Individualized Instructional Systems.** A survey of rationale, techniques, and the available software for individualized instructional programs, including an assessment of the effectiveness of individualized systems in achieving educational goals. (D)

LS 460 (1 - 6) **Special Topics in Library Science.** Special topics which may be treated more effectively in institutes, workshops, or mini-courses than as regular courses will be offered. For each different program offered, a distinguishing alphabet will be added to the number, e.g., LS 460-C. (NOTE: LS 231 and 234 are the same as EDFL 231 and 234. (D)

LSED 423 (3) **Computers in Education.** This course is designed to cover theory, techniques, and practices of using computers and computer-assisted instruction (CAI) in education. No previous background in computers and programming is assumed. (F, S, Sum)

LSED 431 (3) Instructional Television and Film Production.

Introduction to the uses and limitations of instructional television, films, and video. Simple production practice; the integrated of video projects into school, library, and training applications. (D)

LSED 460 (1 - 6) Special Topics in Educational Technology.

Special topics which may be treated more effectively in institutes, workshops, or mini-courses than as regular courses will be offered, a distinguishing alphabet will be added to the number, e.g., LSED 460-C. (D)

DEVELOPMENTAL MATH

Division of Undergraduate Studies
OFFICE: Charles F. Moore Building, 1st Floor

MATH 001 (3) Developmental Mathematics. This course is designed to improve the students' mastery of the fundamental operations of arithmetic, including whole numbers, fractions, decimals, mixed numbers and percentages. Emphasis is placed on number manipulation and applications relating to process.

MATH 004 (3) Intermediate Algebra. This course covers the Real Number system, linear equations and inequalities, graphing and linear systems, exponents and polynomials, factoring, rational expressions, roots and radicals, more quadratic equations, and all applications.

MATHEMATICS

Department of Mathematics
OFFICE: Just Hall of Science Building

MATH 111 (3) College Algebra. Prerequisite: MATH 004 with a grade of "C" or better or the equivalent and Test Standing. The function concepts, solving quadratic equations, graphing the quadratic function, inequalities, absolute value, absolute inequalities, Fundamentals theorem of Algebra, roots, factors, systems of equations and matrices, math induction and Binomial Theorem, arithmetic and geometric progressions, logarithms, complex numbers, partial fractions, and applications of all topics.

MATH 112 (3) Plane Trigonometry. Prerequisite: MATH 111 with a grade of "C" or better. Right and oblique triangular solutions, identities, trigonometric equations, systems of angular measurements, and applications.

MATH 118 (5) College Algebra and Trigonometry. Prerequisite: Test Standing, MATH 004 or equivalent.

Polynomial equations, exponents and radicals, logarithms, quadratic equations, inequalities, complex numbers, permutations and combinations, probability, determinants, simultaneous linear equations, induction, binomial theorem, progressions and series, triangular solutions, identities, trigonometric equations, systems of angular measurement applications.

MATH 215 (3) Mathematics of Finance. Prerequisite: Department approval. Simple and compound interest, simple and compound discount, annuities, amortization, sinking funds, valuation of bonds, depreciation, life annuities, life insurance and reserves.

MATH 217 (3) Introduction Finite Mathematics (Education). Prerequisite: MATH 111. Introductory ideas for students of education, compound statements, sets and subsets, partitions and counting, elementary probability theory.

MATH 221 (3) Calculus Industrial or Business. Prerequisite: MATH 111. Functions, limits, continuity, differentiation, applications, basic analytic geometry, algebraic, exponential and logarithmic functions, integration, applications, series and sequences, improper integral. Specific applications.

MATH 226 (3) Concepts and Structures of Mathematics I. Prerequisite: MATH 111 with a grade of "C" or better. Study of various numeration systems, rational and real numbers, fraction and decimal algorithms, ratios, percentages, consumer mathematics, introduction to problem-solving and logic, use of patterns and Venn diagrams.

MATH 227 (3) Concepts and Structures of Mathematics II. Prerequisite: MATH 226. Statistical graphs, measures of central tendencies, variations, odds and probability, conditional probabilities, expected values, use and abuse of statistics. Introduction to geometry and concepts of measurements.

MATH 231 (4) Calculus I with Laboratory. Prerequisite: MATH 112 or MATH 118. Functions, limits, continuity, differentiation, limiting forms, applications, properties of continuous functions, analytic geometry and integration. The Laboratory component is designed to reinforce the lecture component with activities requiring the use of technology in the form of computers with selective software and graphing utilities.

MATH 232 (4) Calculus II with Laboratory. Prerequisite: MATH 231. Applications of the definite integral, logarithmic exponential and inverse trigonometric functions. Techniques and further application of the definite integral, parametric equations and polar coordinates. The laboratory component is designed to reinforce the lecture component with activities requiring the use of technology in the form of computers with selective software and graphing utilities.

DESCRIPTION OF COURSES / 261

MATH 233 (4) Calculus III with Laboratory. Prerequisite: MATH 232. Infinite sequences and series, differential calculus of functions of several variables, multiple integrals. The laboratory component is designed to reinforce the lecture component with activities requiring the use of technology in the form of computers with selective software and graphing utilities.

MATH 251 (3) Finite Mathematics. Prerequisite: MATH 111 or Department approval. Compound statements, sets and functions, probability theory, elementary linear algebra, convex sets, finite Markov chains, continuous probability theory.

MATH 271 (3) Elementary Statistics. Prerequisite: MATH 112. Introduction, frequency distributions, location measures, variation, symmetry, skewness, peakedness, index numbers, probability, theoretical distributions, sampling, estimation, tests of hypotheses, non-parametric tests, linear regression, coefficient of correlation, time series analysis.

MATH 301 (3) Elementary School Mathematics. Prerequisite: MATH 111. Counting and numerical concepts, problem solving, equipment, achievement, examinations, present issues.

MATH 302 (3) Junior High Mathematics. Prerequisite: Department approval. Aims and problems of teaching, techniques of teaching, arousing and maintaining interest, aids and trends, tests and measurements, organization and treatment of subject matter, organization and duties of teachers of junior high competence.

MATH 303W (3) Introductory Set Theory and Logic. Prerequisite: MATH 231, with a grade of "C" or better. Sets and relations, natural number sequence, extension of natural number to reals, logic, informal axiomatics, Boolean algebra, interval and set theory, algebraic theories, first order theories.

MATH 306 (3) Elementary Concepts of Geometry. Prerequisite: Department approval. Basic notions of lines, angles, triangles, circles and proofs. Stress is placed on synthetic methodology and reasoning.

MATH 307 (3) Probability and Statistics for Engineers. Prerequisite: MATH 232. Introduction to concepts of probability and statistics required to solve problems in various disciplines; mathematical basis for probability and statistics includes axioms of probability, continuous sampling distributions, and discrete probability, hypothesis testing, confidence intervals, probability estimations for risk assessment, data processing and statistical inference, statistical techniques of data analysis, simple and multiple regression model development; stochastic processes, emphasis is on the application of probability, statistics and reliability to rational

decision making, data analysis and model estimation in engineering context.

MATH 311W (3) Abstract Algebra I. Prerequisite: MATH 303. Basic concepts of modern algebra, preliminaries, elementary ideas of groups, rings, integral domains and fields.

MATH 315 (3) Senior High Mathematics. Prerequisite: Department approval. Aims and problems techniques, arousing and maintaining interest, aids and trends, tests and measurements, traditional and non-traditional courses, operations, number systems, professional duties, supervision and improvement of instruction, geometry.

MATH 321W (3) Introduction to Modern Geometry. Prerequisite: MATH 232. Euclidean, non-Euclidean, projective and affine geometries with emphasis on the appropriate postulates and the postulational method. Transformation theory.

MATH 331 (3) Linear Algebra and Matrix Theory. Prerequisite: MATH 303. A theoretical study of equations, matrices, vector spaces, inner product spaces linear transformations bilinear and quadratic forms, and eigenvalues.

MATH 332 (3) Linear Algebra and Matrix Theory with Applications. Prerequisite: MATH 331. Numerical methods of linear algebra, Fourier Series, vector and tensor analysis, orthogonality, unitary, normal, and Hermitian operators, applications to differential equations, physics and engineering, special theory and infinite dimensional linear spaces.

MATH 335 (3) Logic. Prerequisite: MATH 303. Symbolic logic, statement calculus, monies, axiomatic treatments, predicate calculus, equality, relations and functions, cardinals and ordinals, counting, the axiom of choice.

MATH 341 (3) Introduction to Number Theory. Prerequisite: MATH 233. Multiplicativity and divisibility, congruences, arithmetic functions, primes, quadratic residues, addibility, generating functions, partitions, geometric number theory, ruler and compass constructions, and special topics.

MATH 351 (3) Advanced Calculus. Prerequisite: MATH 233. Sets and functions, continuity, integration, convergence, differentiation, and applications to geometry and analysis, differential geometry, and vector calculus.

MATH 355 (3) Introduction to Probability and Statistics. Prerequisite: MATH 233. Random variables, conditional probability and stochastic independence, special distributions.

MATH 356 (3) Introduction to Mathematical Statistics. Prerequisite: MATH 355. Estimations, order statistics, limiting distributions, statistical hypotheses, variance, normal

distribution theory, point and interval estimation, sampling, regression and correlation.

MATH 368 (3) Ordinary Differential Equations.

Prerequisite: MATH 233. Introduction to differential equations, first-order differential equations, higher-order differential equations, series solutions of linear equations, the Laplace transform and systems of linear first-order differential equations.

MATH 369 (3) Introduction to Dynamical Systems.

Prerequisite: MATH 368. Introduction, linear systems, fixed points, Lyapunov function, Lyapunov's method, periodicity and chaos, the Poincare-Bendixon theorem, the Hopf bifurcation, fractals and Cantor set.

MATH 371 (3) Vector and Tensor Analysis.

Prerequisite: MATH 233. Algebra of vectors, differential vector calculus, differential geometry, integration, static and dynamic applications, tensor analysis. Riemannian geometry, applications of tensor analysis.

MATH 381 (3) Projective Geometry.

Prerequisite: MATH 233. Basic notions, triangles and quadrangles, duality principle, fundamental theorem and theorem of Pappus, Desarguesian figures, projectives, polarities, conics, finite planes, parallelism, coordinates. (A general sequence of synthetic and analytic projective geometry.)

MATH 385 (3) Numerical Analysis.

Prerequisite: MATH 233. Summation of series, evaluation of expressions, equation solvability, systems of linear equations, interpolation, numerical integration and differentiation, ordinary differential equations, matrix algebra, eigenvalues and eigenvectors, partial differential equations.

MATH 401W (3) Arithmetic for Children.

Prerequisite: Departmental approval. A study of recent curricular changes of interest to the prospective teacher, special problems including lessons and teachable units will be emphasized in three major areas: teaching the number system, teaching algebraic principles, and teaching geometry in the grades.

MATH 402W (3) Mathematics in the Secondary School.

Prerequisite: Department approval. Materials and sources of value to prospective teachers of high school, middle school and junior high school mathematics, reports, current articles, state-adopted textbooks, yearbooks and histories, special problems in teaching geometry and algebra.

MATH 403S (3) Seminar in Mathematics.

Prerequisite: Department approval. The provisions to the student of an opportunity to discuss pertinent trends and ideas in mathematics, and to evaluate the experience he has had through

study and practice during his previous years of training in mathematics.

MATH 404 (3) Number Theory and Cryptography.

Prerequisite: MATH 331 or department approval. Topics in elementary number theory, finite fields, and quadratic residues. Cryptography public key, primality and factoring, elliptic curves.

MATH 411 (3) Abstract Algebra II.

Prerequisite: MATH 311. Groups rings, integral domains, modules, vector spaces, fields, linear transformations, special topics in group, ring, and field theory.

MATH 415 (3) Partial Differential Equations I.

Prerequisite: MATH 368. Heat equations, Laplace's equation, Fourier series, wave equation, Sturm-Liouville eigenvalue problems, nonhomogeneous problems, method of Green's functions, infinite domain problems and the methods of characteristics for wave equations.

MATH 416 (3) Partial Differential Equations II.

Prerequisite: MATH 415. First order partial differential equations and applications, multidimensional partial differential equations, existence and uniqueness, methods of variations, finite difference and finite element numerical methods, use of MatLab in solving partial differential equations.

MATH 421 (3) Modern Geometry.

Prerequisite: MATH 321. Modern elementary geometry, transformations, constructions, projective geometry, non-Euclidean geometries, foundations, analyticity, groups, complex numbers and limit operations, differential geometry, combinatorial topology, n-dimensional geometry and abstract spaces.

MATH 425 (3) Topics and Issues in Secondary Mathematics.

Prerequisite: Department approval. Forces shaping today's mathematics programs, teaching for special outcomes, classroom applications.

MATH 430 (3) Mathematical Modeling.

Prerequisite: MATH 221 or 231. Discrete models, graphs, digraphs, games, Markov chains, recursion, differential equations, probability and statistics, linear algebra, strange attractors, basic applications, computer graphics, optimization, experimental modeling, dimensional analysis and similitude, dynamic systems (chaotic), model fitting, control system, and applications using advanced mathematics.

MATH 431 (3) Real Analysis.

Prerequisite: MATH 233. Real number system, basics, numerical sequences and series, continuity, differentiation, Riemann-Stieltjes integral, sequences and series of functions, special series, functions of several variables, the Lebesgue theory.

MATH 435 (3) The Teaching of Mathematics. Prerequisite: Department approval. Theory of arithmetical meanings, learning and rational, applied meanings, current trends.

MATH 437 (3) Fourier Series. Prerequisite: MATH 368. Linear spaces, orthogonal functions. Fourier series. Legendre polynomials and Bessel functions, applications.

MATH 441 (3) Complex Analysis. Prerequisite: MATH 233. Complex numbers and representations, point sets, sequences, functions, analytic functions of one complex variable, elementary functions, integration, power series, calculus of residues, conformal representation, applications.

MATH 447 (3) Sampling Methods. Prerequisite: MATH 271 or MATH 356. Simple random sampling, sampling for proportions and percentages, estimation of sample size, stratified random sampling, ratio estimates.

MATH 451 (3) General Topology. Prerequisite: MATH 303. Elementary set theory, ordinals and cardinals, topological spaces, cartesian products, connectedness, special topologies, separation and covering axioms, metric spaces, convergence, compactness, function spaces, complete spaces, elementary homotopy and homology theory.

MATH 455 (3) Experimental Design. Prerequisite: MATH 447. Completely randomize design, randomize block designs, factorial experiments, split plot design, confounding.

MATH 461 (3) Mathematical Statistics. Prerequisite: MATH 356. Random variables and probability distributions, statistical inference, estimation, testing of hypotheses, analysis of variance, least squares.

MATH 466W (3) Operation Research. Prerequisite: MATH 355. Learning programming, network analysis, PERT-CPM, dynamic programming, queuing theory and decision analysis.

MATH 471 (3) Approximation and Interpolation. Prerequisite: MATH 385. Preliminaries, interpolation, remainder theory, convergence theorems, infinite interpolation, uniform, best and least square approximations, spaces, polynomials and functions, closure and completeness, expansion theorems, degree of approximation, approximation of linear functions.

MATH 485 (3) Number Theory. Prerequisite: MATH 341. Congruencies, representation of numbers by decomposable forms, divisibility, local methods, analytic methods, algebraic topics.

MATH 491 (3) History of Mathematics Education. Prerequisite: Department approval. Introduction, mathematics in schools, forces and issues related to Elementary and Early

Childhood Education (K-6, 7-12), education of teachers of mathematics, school mathematics in Canada, future outlook.

MATH 493 (3) Historical Topics in Mathematics Classrooms. Prerequisite: Department approval. Historical development of numbers and numerals, computation, geometry, algebra, trigonometry, calculus, modern mathematics.

MASS COMMUNICATIONS

Department of Mass Communications
OFFICE: 100 Mississippi e-Center
1230 Raymond Road, Jackson, MS

W = Writing Intensive

S = Service Learning Component

MC 150 (3) (S) Urban Media Literacy. Designed to teach students to critically examine media industries and the messages they produce and disseminate. The course gives particular focus to media images of urban life. The course also explores the underlying power relationships in media, the construction of media messages, and the influences of those images on urban culture and media audiences.

MC 200 (3) Introduction to Mass Communications. Prerequisites: ENG 104, 105 or ENG 111, and 112. Survey of the development and operation of print and electronic media. An overview of the basic theoretical perspectives of the media and a synopsis of the various mass communications professions. This course also introduces to practitioners in the field of mass communications.

MC 201 (3) (W) Introduction to Media Writing. Prerequisites: ENG 104, 105 or 111, and 112, and MC 200 recommended. Acquaints students to the various forms of writing required in the journalism and mass communications professions. Students work in laboratory settings utilizing current computer systems and software.

MC 301 (3) (W) Introduction to News Reporting. Prerequisites: MC 200, and MC 201. Helps students learn how to develop meaningful new story ideas, conduct thorough interviews, report accurately, and write news stories that adhere to Associated Press style.

MC 303 (3) (W) Broadcast Writing. Prerequisites: MC 200 and MC 201. Developing and writing scripts, rewriting wire service materials for broadcast journalism. Students will also use CNN news source video and scripts. The course is coordinated with closed-circuit campus channel JSU 22.

MC 305 (3) (W) Copy Editing. Prerequisites: MC 200, MC 201, and MC 301. Editing of stories, writing headlines, developing skills for the use of desktop publishing, and print media design and layout.

MC 306 (3) (W) Advanced Copy Editing Layout and Design. Prerequisites: MC 200, MC 201, MC 301, and MC 305. An advanced, computer-assisted course in copy editing, page layout, and graphics for newspapers and magazines.

MC 307 (3) Photojournalism. Prerequisites: MC 200 and MC 201. Introduction to the principles and techniques of photojournalism. Course involves the study and practice of using still photography to cover news, feature stories, sports, and social and cultural issues for publication. Students will learn the fundamentals of photography, and will be introduced to digital imaging, photo editing, page layout design, and multimedia journalism. The course also covers the history of photojournalism and documentary photography, as well as the ethical and legal issues related to the field.

MC 310 (3) Introduction to Media Production. Prerequisites: MC 200 and MC 201. Introduction to the digital audio and video production techniques within studio and field environments. Skills to be covered include camera operation, audio and visual editing, set and message design, planning, directing and managing productions.

MC 315 (3) Digital Editing. Prerequisites: MC 200, MC 201, and MC 310. Students will develop skills in editing video and sound for multimedia productions. This is an advanced course emphasizing non-linear video editing, audio editing, motion graphics, and DVD development using the Final Cut Pro Suite, Adobe After Effects, DVD Studio Pro and/or other software.

MC 320 (3) (W) Online Journalism. Prerequisites: MC 200, MC 201, and MC 301. Students are exposed to the unique skill sets needed for online news storytelling that often integrate a rich repertoire of headlines, text, pictures, audio, video, slideshows, animation, and/or interactive features on a news website.

MC 323 (3) (S) Advanced Media Production. Prerequisites: MC 200, MC 201, and MC 310. This course is a continuation of MC 310 whereby students study and gain hands-on experiences in the practical aspects of media design and production. Students write, design, direct, and produce quality productions. Students apply and refine skills in both multi-camera studio and field productions. The course is coordinated with JSU's TV 23 and its program productions.

MC 330 (3) Introduction to Integrated Marketing Communications. Prerequisites: MC 200 and MC 201. An overview of integrated marketing communications (IMC) and the ways in which IMC is used in strategic marketing

communication efforts. The course also explores: 1) concepts, theories, principles, and processes of IMC planning; 2) how all elements of the promotional mix (advertising, personal selling, public relations, direct marketing, and sales promotion) can work together to achieve overall marketing objectives; 3) how to use coordinated messages in convergent media and non-media platforms to build and sustain consumer interest and product message response, and the use of lectures and industry case studies to provide analytical and competency skills in the design and integration of theories, concepts and principles of IMC campaigns.

MC 336 (3) Advertising Copy Layout and Design. Prerequisites: MC 200, MC 201, MC 330 or consent of instructor. An overview of the origin and development of advertising and public relations; how a firm or institution relates to its audience and develops campaigns. An overview of the skills and strategies involved in print, TV, and radio advertising with specific focus on visualizing layouts, conceiving radio and TV commercials, target marketing, conducting an ad campaign, and understanding legal and ethical constraints. The role of the advertising agencies and other marketing organizations, and changes in ethnic and minority advertising will also be examined.

MC 400 (3) (W) Media Law. Prerequisites: MC 200, MC 201, and three (3) courses in the concentration. A study of the laws governing print and electronic media. The course explores the evolution of media laws in areas such as First Amendment rights and protection, slander, libel, and rights to privacy. The course will familiarize students with the function and rulings of the courts and of the Federal Communications Commission.

MC 401 (3) (W) Research Methods in Mass Communications. Prerequisites: MC 200, MC 201 and three (3) concentration courses. Analysis of research in mass communications, including survey research, content analysis, basic statistics, rating research, and focus group methodology.

MC 402 (3) (W) Advanced Reporting. Prerequisites: MC 200, MC 201, and MC 301. An extensive course in news writing that emphasizes investigative reporting. Contemporary issues, events, and problems are given major attention. Students will also access various databases.

MC 404 (3) (W) Feature Writing. Prerequisites: MC 200, MC 201, and MC 301. This course requires substantial research for the writing of feature length articles. The market for features is analyzed and selling strategies are pursued.

MC 405 (3) (W) Media Ethics. Prerequisites: MC 200, MC 201 and MC 400. Course examining the ethical aspects of communications media. It also explores various ethical theories and perspectives, while introducing students to models of moral

DESCRIPTION OF COURSES / 265

reasoning for ethical decision-making. Students complete case studies in ethics.

MC 406 (3) (W, S) Urban Affairs Reporting. Prerequisites: MC 200, MC 201, and MC 301. This course prepares the student to work the various beats of an urban affairs reporter.

MC 409 (3) (W, S) Multimedia Reporting. Prerequisites: MC 200, MC 201, MC 303, MC 310, and MC 320 suggested. Prepares students for the news work of multimedia newsgathering. Students enter the course with basic news writing and reporting skills and will apply “cross-platform” reporting techniques in developing story ideas that take advantage of the interactivity, non-linear, user-driven environment of the Internet.

MC 411 (3) (W) Scriptwriting. Prerequisites: MC 200 and MC 201. Course will emphasize writing fiction scripts and developing narrative-based media. It will provide a detailed study and application of scriptwriting for television dramas and narrative films. It will also provide skills in directing and producing narrative media for television and film.

MC 423 (3) Advertising Media and Selection. Prerequisites: MC 200, MC 201, MC 330 or consent of instructor. Acquaint students with advanced concepts in marketing strategies and marketing objectives with specific emphasis on the successful selection of the appropriate media to use when initiating an ad campaign, the use of market surveys to test the success of the ad campaign, and application of these skills in the actual simulation of a model ad campaign.

MC 425 (3) (W, S) Advertising and Marketing. Prerequisites: MC 200, MC 201, MC 330, or consent of instructor. Acquaint the student with the psychology of advertising sales along with the basic techniques and procedures involved in selling copy to the various media. Develops skills specifically related to actual sales. The student must learn the business aspects of planning the sale, processing the sale, and evaluating the effectiveness of the transaction in regard to the increase or decrease in sales of the said product.

MC 426 (3) (W) Broadcast Documentary. Prerequisites: MC 200, MC 201, MC 303, MC 310, MC 323, and MC 409 suggested. Writing, producing, and taping radio and television documentaries. Exposes students to a variety of documentaries that serve as style and content models for student projects.

MC 430 (3) Management of New Technologies. Prerequisites: MC 200, MC 201, and three (3) concentration courses. Examines the practical management of media properties with emphasis on new and emerging technologies. This course discusses management style and the evolution of those styles.

MC 432 (3) International Journalism. Prerequisites: MC 200, MC 201, and MC 402. A comparative study of print and electronic journalism in the world media; influence and government restraints upon media, and other international problems.

MC 440 (3) Media Programming. Prerequisites: MC 200, MC 201, and MC 310. This course introduces students to the fundamental concepts and strategies of media programming. This course will include discussions of radio, television, and cable programming methodology. It will emphasize the television stations as a business; exposing students to concerns of distribution, scheduling, designing formats, and targeting audiences. This course will be coordinated with the closed-circuit campus channel JSU 22.

MC 450 (3) (S) Special Projects in Mass Communications. Prerequisite: MC 200, MC 201 and two (2) courses in the concentration. Students develop and complete projects related to the concentration areas. This project may take the form of a research paper or a production.

MC 452 (3) (W) Sales Promotions Management. Prerequisites: MC 200, MC 201, and MC 330. This course introduces students to the concepts, theories, and principles of sales promotions. Major emphasis is on how to plan and use promotional techniques including joint promotions, price promotions, and on-the-shelf promotions; how to develop and implement integrated marketing communication strategy; and how to achieve and maintain creative comparative advantage in sales promotions strategy and execution. The course also examines current trends in and redefining the role of sales promotions.

MC 470 (3) (W, S) Writing for Public Relations. Prerequisites: MC 200, MC 201 and MC 330. Helps students learn how to write and develop a portfolio of specialized public relations material such as press releases, public service announcements, brochures, newsletters, letters, memos, reports, media kits, and speeches.

MC 471 (3) (W, S) Public Relations Practice. Prerequisites: MC 200, MC 201, MC 330, and MC 470. Help students learn how to create a public relations campaign using the case-study approach.

MC 472 (3) Corporate Communications. Prerequisites: MC 200, MC 201, MC 470, and MC 471. Emphasis is on the way in which corporations and business communicate with internal and external publics to transmit mediated messages.

MC 473 (3) (W, S) IMC Campaigns. Prerequisites: MC 200, MC 201, MC 330, and MC 423. Developing the IMC campaign from concept through development, production, and final evaluation.

MC 475 (3) Special Topics in Mass Communications. Prerequisites: MC 200, MC 201, and two (2) courses in the concentration. This course will deal with various topics in Multimedia Journalism, Integrated Marketing Communications, and Media Production on a rotating basis. The course is designed to explore current, relevant topics in the field of mass communications.

MC 486 (3) Practicum. Prerequisite: MC 200, MC 201, and two (2) courses in the concentration. Students will apply skills and theories learned in the classroom and gain practical work experience at an on-campus media outlet.

MC 489 (3) Internship in Mass Communications. Prerequisites: MC 200, MC 201, three (3) courses in the concentration, and a minimum 2.50 GPA. Students may also be eligible for an Internship based on the decision of the Internship Review Board. Internship is open to advanced students in each concentration on the basis of written application submitted one semester in advance. Students apply skills and theories learned in the classroom to gain real world on-the-job experience at an off-campus site. Internships are with television and radio stations, newspaper, public relations, and advertising agencies, media and online organizations, and also with businesses, non-profit groups, and government agencies.

METEOROLOGY

Department of Physics, Atmospheric and General Science
OFFICE: Just Hall of Science Building

MET 199-499 (4) Seminar in Atmospheric Science. Various topics will be discussed and presented by students, faculty, and visitors. All meteorology majors are expected to enroll in the appropriate course numbers as assigned by their advisors.

MET 200 (3) Introduction to Meteorology. Non-mathematical treatment of the fundamentals of meteorology, effects of weather and climate on man and his activities.

MET 202 (3) Meteorological Measurements. Prerequisite: MET 200. Theory, techniques and use of conventional meteorological instruments.

MET 209 (1) Introduction to Professional Meteorology. Pre- or Co-requisite: MET 200. A seminar course in which a variety of professional specialties within the area of the atmospheric sciences will be explored by the students. Wherever possible, visiting professionals will be invited to present materials about their specialty in the meteorology curriculum.

MET 303 (3) Weather Observation. Prerequisite: MET 200. Practical experiences in weather observing, gathering and coding meteorological data.

MET 311 (3) General Meteorology. Pre- or Co-requisite: MATH 231. Terrestrial energy budget; general circulation; atmospheric motion, fronts and cyclones, mesoscale dynamics, application to weather forecasting and modifications.

MET 321 (3) Atmospheric Thermodynamics. Prerequisite: MET 311. Thermodynamic properties of the atmosphere, hydrostatic equilibrium and stability.

MET 341 (3) Dynamic Meteorology. Prerequisites: MET 311, 321, and MATH 232. Physical and Mathematical models of atmospheric motion are developed from the basic equations of motion.

MET 411 (3) Physical Meteorology. Prerequisites: MET 311, and 321. Transmission of electromagnetic and sound waves in the atmosphere; the physics of clouds and precipitation; electrical properties of the atmosphere.

MET 422 (3) Introduction to Synoptic Meteorology. Prerequisites: MET 311, and 341. Composition of and physical processes in the atmosphere; weather elements and their spatial distribution; air masses, fronts, and weather forecasting.

MET 423 (3) Synoptic Meteorology Laboratory. Prerequisite: MET 422. Techniques of analyzing typical weather situations; practice weather forecasting. (F, S)

MET 472 (1 - 3) Special Problems. Prerequisite: Consent of department. Special problems in meteorology based on research or literature survey terminating with a comprehensive written report. (D)

MET 487 (3) Physical and Dynamic Climatology. Prerequisites: MET 341, and 411. Physical principles underlying the variations and changes in climate; climate controls—elements of microclimatology; interpretation of selected regional climates. (D)

MET 492 (1 - 3) Seminar in Meteorology. Prerequisite: Consent of department. Meetings for presentation and discussion of topics in meteorology by staff members and students of recent contributions published in current periodicals and of original research. (D)

MANAGEMENT

Department of Management and Marketing
OFFICE: College of Business Building

MNGT 330 (3) Management to Organizations. A foundation course in management focusing on the principle functions and practices of management. Course focuses on most of the sub-disciplines of management. (F, S, Sum)

MNGT 333 (3) Quantitative Business Analysis. Prerequisites: MNGT 330 and ECO 357. This course is designed to introduce students to the quantitative approaches to management. Use of management science techniques—forecasting, decision making, inventory management, linear programming, network models and simulation—is emphasized to solve problems in all functional areas of business. (F, S)

MNGT 350 (3) Business Computer Applications. An introduction to computers as a tool for information processing and hands-on experience with the PC utilizing business application of word processing and presentation software. Business Computer Applications will emphasize database management applications as well as the use of electronic spreadsheets as practical tools for solving problems. (F, S, Sum)

MNGT 353 (3) Production and Operations Management. Prerequisite: MNGT 333. This course introduces concepts related to production and operations management. Specifically, the course covers product and service design, location, planning, process selection and capacity planning, facilities layout, design of work systems, material requirement planning, just-in-time systems, scheduling, and product management. (S)

MNGT 416 (3) Organizational Behavior. Prerequisites: MNGT 330 and junior classification. Organization theory and investigation of the impact that individuals, groups, and structure have on behavior within organizations. (F)

MNGT 452 (3) Human Resource/Personnel Management. Prerequisites: MNGT 330 and junior classification. The administration of the human resource in organizations, including recruitment, selection, placement, training, motivation, performance appraisal, and compensation. Discussion of laws pertinent to managing personnel in organizations. (F)

MNGT 458W (3) Strategic Management. Prerequisites: ACC 212, MNGT 330, ECO 212, FNGB 320, MKT 351, and senior classification. Expressed and implied guides to behavior and action within the framework of the business organization including managerial implementation of policies and the appropriate enforcement of those guidelines. (F, S, Sum)

MNGT 460 (3) Management Information Systems. Prerequisite: MNGT 350. Covers the information system development life cycle. Use of data flow diagrams and structure charts; database design, and program development. Utilizes a relational database management system to illustrate system development techniques. (F)

MNGT 462 (3) International Business. Prerequisite: MNGT 330. A study of the problems facing business organizations in the international setting. (S)

MNGT 468 (3) Collective Bargaining. Prerequisites: MNGT 330 and senior classification. The study of labor movements,

strikes, and arbitration of strikes and labor disputes. An historical perspective tied in with contemporary labor issues. (S)

MNGT 472 (3) Managerial Leadership. Prerequisites: MNGT 330 and senior classification. This course focuses on the influencing function of management and draws heavily on behavioral science research and theories; how to motivate, help, guide, and coach employees for maximum performance; how to handle conflict situations; and how to effectively lead a multicultural workforce will be explored. (S)

MNGT 482W (3) Business Ethics. Prerequisites: MNGT 330, and FNGB 201. In-depth examination of the impact of business ethics on corporate decision making. The course will focus on the relationship between ethics and corporate governance. Students will examine ethical dilemmas in the workplace and the actions of corporations. (S)

MANAGEMENT INFORMATION SYSTEMS

Department of Management and Marketing OFFICE: College of Business Building

MIS 320 (3) Introduction to Software Design. This course is designed to the concepts of modern software design. Students will develop skills in the design of algorithms. Based on common business information processing problems, students will learn to develop software using structured techniques. Real life problems will be used to enhance the student's ability to solve business problems. (F)

MIS 325 (3) Introduction to Data Communication. Prerequisites: MATH 111 and MIS 250C. This course covers the following topics in data communications: transmission sources, transmission receivers, and transmission mediums through which digitized data, voice, and images are transmitted within and between computer systems. The course will provide students with a detailed literacy overview of hardware, software, communication protocols, facilities, carriers, regulations and management information systems as related to the transfer of digitized information. Computer simulation projects will be conducted. (F)

MIS 377 (3) Structured Programming (Visual Basic). Prerequisites: MATH 111, and MIS 320. Data validation, multilevel control break processing, sequential update, internal sort, and table handling are covered in detail. Programming development focuses on program structure, program logic, program style, and the programming process. One-level tables and multiple-level tables are covered extensively. Processing with sequential files and indexed sequential are covered extensively. Processing with sequential files and indexed files are discussed. Structured programming and modular programming techniques will be stressed to develop

programming skills that will allow students to build workable business-oriented COBOL programs. (F)

MIS 417 (3) Systems Simulation and Information Processing. Prerequisites: MATH 111, 221, and MIS 320. The course objectives are to familiarize students with modeling and introduce simulation languages to support the models. Real-life examples and a considerable amount of business fundamentals will be discussed and explored. Simulation languages include GPSS, SIMSCRIPT, and GPLAN; their use of these systems in business problem solving will be emphasized. Program development using simulation language is emphasized. (F)

MIS 427 (3) System Analysis and Design. Prerequisites: MATH 111, 221, MNGT 250C, and MIS 320. A systematic approach to problem formulation and solving, introduction of systems development life cycle, use of prototyping tools, and utilization of case tools emphasized. Students will gain experience in using data flow diagramming tools in the analysis phase. A practical dimension will be emphasized through real-world systems analysis and design project based upon business processes. (S)

MIS 450 (3) Information Structures. Prerequisites: MATH 111, 221, MNGT 250, and MIS 320. This course is designed to introduce students to the concepts of modern data structures. Students will develop skills in the design of data structures, using common business information processing problems. Students will learn to develop data types using software with structured techniques. Real life problems will be used to enhance the student's ability to solve business problems. Using Pascal or algol W, fundamental data structures and algorithms for manipulating data within them are discussed in class. (S)

MIS 455 (3) Operating Systems. Prerequisites: MATH 111, MIS 320 and 460. Introduction to components of operating systems and features of operating systems (OS) used to implement information systems. Coverage includes nucleus, memory manager, file manager, I/O systems, bath subsystems, command line interpreter, and system generation. Several OS are considered. (S)

MIS 460 (3) Management Information System. Prerequisite: MNGT 350. This course covers the information system development life cycle. Use of data flow diagrams and structure charts, database design, and program development. The course utilizes a relational database management system to illustrate system development techniques. (F)

MIS 472W (3) Seminar in Management Information Systems. Prerequisites: MATH 111, 221, MIS 320 and 427. Investigation of topics of current interest in computer based management information systems. Artificial intelligence, decision support systems, and object oriented systems development are introduced. Seminar course with lectures, will

explore the theoretical aspects of management information systems to develop understanding of these technologies. Theory will be reinforced with discussion of articles from literature and student analysis of cases. (S)

MIS 477 (3) Advanced Structured Programming. Prerequisites: MATH 111, MIS 320, 377, and 450. Advanced structured ANSI COBOL subprogram, report writer, indexed sequential processing, and relative file processing are covered in this course. This course is a continuation of MIS 377-Structured COBOL Programming. The main objective is further development of programming and problem-solving skills with particular emphasis on some of the more advanced topics in business file processing. (S)

MARKETING

Department of Management and Marketing OFFICE: College of Business Building

MKT 351 (3) Marketing Management. Prerequisite: ECO 211. Analytical survey of problems encountered by business people in distributing goods and services to markets. Takes a marketing-management approach in solving problems related to product planning, channels of distribution, pricing/advertising, and personal selling. Emphasizes role of consumers in the marketing process. (F, S, Sum)

MKT 432 (3) Advertising. Prerequisite: MKT 351. Advertising as a communications tool in marketing management. Develop an understanding of the role of advertising under diverse marketing conditions. Emphasis will focus on problems of integrated advertising strategy in the firm's marketing program pertaining to media-selection, budgeting, production and layout, and measurement of effectiveness. Attention will also be given to the social and economic aspects of advertising. (F, S)

MKT 436 (3) Retail Management. Prerequisite: MKT 351. Profit planning and business control; buying, stock control, pricing, promotion; store location/layout organization, policies, systems; coordination of store activities. (F)

MKT 438 (3) Marketing Research. Prerequisites: MKT 351, ECO 357 and 358, or equivalent statistics courses. Study of the role of research in marketing decision-making, the research process, including research designs, measurements, data analysis and interpretation. (F)

MKT 440 (3) Consumer Behavior. Prerequisite: MKT 351. Survey of noteworthy contributions of the behavioral sciences to the understanding and prediction of consumer behavior. Contributions of various research techniques in the social

sciences to the understanding of consumer purchasing and decision making processes, with particular attention to formal and informal influence patterns. Application of concepts to management of advertising, personal selling, pricing, and channels of distribution. (F)

MKT 446 (3) Marketing to Organizations. Prerequisite: MKT 351. Major activities involved in marketing of industrial goods. Analysis of industrial market structures; habits and motives of industrial purchasers; types of industrial products; pricing problems; distribution channels. Problems in selling to agencies of government. (S)

MKT 448 (3) Marketing Channels. Prerequisite: MKT 351. This course deals with the development of channels / functional and behavioral dimensions, environmental forces, power, conflict, and communication within the channels. Current and future trends in the development and management of channels are also treated. (S)

MKT 450 (3) Personal Selling. Prerequisites: MKT 351 and senior classification. Personal Selling will recognize that today's salesperson faces a skeptical, well educated and sophisticated buyer, and that the professional sales person must be far more than a mere purveyor of goods and services. Professional selling will attempt to harmonize techniques and strategies with personality development, so that sales students might move toward their full potential in selling. (F)

MKT 462W (3) Marketing Policies and Strategies. Prerequisites: MKT 351 and nine (9) hours of additional marketing courses, and senior classification. Detailed consideration of process of formulating and implementing marketing policies. Major emphasis on markets, distribution channels, and product analysis. Problem approach utilized to develop student's analytical ability and to integrate all major areas of marketing. (S)

MKT 466 (3) International Marketing. Prerequisite: MKT 351. Institutions, functions, policies, and practices in international marketing. Relates marketing activities to market and marketing environment. (S)

MKT 468 (3) Services Marketing. Prerequisites: MKT 351, junior or senior classification. An analysis of the benefits offered to customers and the costs that they will incur in return. A study of the problems associated with the marketing of services and an exploration of alternative strategies to resolve the problems and improve service marketing effectiveness. (S)

MILITARY SCIENCE

Department of Military Science OFFICE: Old Faculty Apartment Building

MS 101 (1) Foundations of Officership. Co-requisite: MS 103. Introduction to officership with emphasis on military customs and traditions, time management, stress management, and physical fitness. Introduction to principles of leadership with emphasis on character and competence, values and ethics, and values of the U.S. Army.

MS 102 (1) Basic Leadership. Co-requisite: MS 104. Builds upon leadership principles emphasizing oral and written communications, the problem-solving process, goal setting, active listening, assertiveness skills, counseling methods and nutrition. Builds upon principles of officership with emphasis on life the U.S. Army.

MS 103 (1) Leadership Lab.

MS 104 (1) Leadership Lab.

MS 201 (2) Individual Leadership Studies. Co-requisite: MS 203. Building on leadership principles with emphasis on communication, personal development, physical well-being, team building, problem solving, and reasoning. Introduction to the ROTC Distance Learning Enhancement Skills Training Program with special emphasis on math, English, and reading skills.

MS 201 (3) Individual Leadership Studies (Compression Course). Co-requisite: MS 203. May substitute for MS 101 and 201 by compressing them together. Course is designed for sophomore student who have not had previous military science classes, basic training, or high school JROTC.

MS 202 (2) Leadership and Teamwork. Co-requisite: MS 204. Building of leadership principles with emphasis on communication, personal development, physical well-being, team building, problem solving, and reasoning. Continued development of oral and written communication skills.

MS 202 (3) Leadership and Teamwork (Compression Course). Co-requisite: MS 204. May substitute for MS 102 and 202 by compressing them together. Course is designed for sophomore student who have not had previous military science classes, basic training, or high school JROTC.

MS 203 (1) Leadership Lab.

MS 204 (1) Leadership Lab.

MS 300 (2) Leadership Training Camp. Prerequisites: Students must have minimum of 2 years of college remaining. ROTC Basic Camp is a six-week summer training and evaluation class conducted on an active Army base. Students

270 \ JACKSON STATE UNIVERSITY

learn fundamental military skills and develop the ability to lead others. Students earn approximately \$761 while learning fundamental leadership skills with hundreds of other college students from universities throughout the United States and Puerto Rico. This is a substitute course for MS 100 and 200 level courses. Qualifies students for MS 300 level courses.

MS 301 (3) Leadership and Problem Solving. Co-requisite: MS 303. Introduction to the Leadership Development Program and Self Assessment. Builds upon leadership principles with emphasis on physical fitness, wellness, nutrition, and training a team. Develops officership focusing on tactics, the principles of war, and offensive and defensive operations utilizing tactical analysis case studies. Develops officership with emphasis on the problem solving process utilizing the Troop Leading Procedures, officer duties, the role and organization of the Army values, spiritual needs, consideration of others, and ethical decision making. Qualified cadets may receive up to \$3,600 stipend annually. Course includes mandatory field training exercises.

MS 303 (1) Leadership Lab.

MS 304 (1) Leadership Lab.

MS 400 (3) Leadership Development and Assessment Camp. Prerequisites: MS 301 and 302. **LDAC** is a six-week summer training and evaluation class conducted on an Active Army base. Cadets must attend **LDAC** during the summer upon completion of MS 302. Students are placed in leadership positions and evaluated on their ability to plan, direct, and execute tasks while operating in challenging and stressful environments. Student will earn approximately \$800 for attendance at **LDAC**.

MS 401 (3) Adaptive Leadership. Co-requisite: MS 403. Prepares cadet for commissioning as Second Lieutenant in the U.S. Army by focusing on career choices, life in the Army, training the force, mission-essential task list development, training execution and assessment, active listening and feedback, personal and developmental counseling, stress management, social exchange theory, expectancy theory, organizational systems and culture, and organizational change culminating in a leadership simulation practical exercise. Qualified cadets may receive up to **\$4,000** stipend annually. Course includes mandatory field training exercises.

MS 402 (3) Officership. Co-requisite: MS 404. Comprehensive senior leadership project that focuses on values and ethics emphasizing assessment, establishment, and improvement of the ethical climate, the foundation, regulations, and codes of military law, and the law of war, the tactical, operational, and strategic levels of war, military operations other than war, personnel administration, maintenance and supply management, financial planning, counseling practicum, leadership lessons and developing a Leadership Vision.

Qualified cadets may receive up to **\$4,000** stipend annually. Course includes mandatory field training exercises.

MS 403 (1) Leadership Lab.

MS 404 (1) Leadership Lab.

MUSIC

Department of Music
OFFICE: Frederick D. Hall Music Center

Music Theory:

MUS 011 (2) Introduction to Music Theory. Special study for students who plan to major in music and do not meet standards for MUS 111. Designed to strengthen basic musicianship areas as needed.

MUS 111 (2) Music Theory. Prerequisite: Theory Placement Examination. Functional study of basic music theory including notation, rhythm, scales, modes, intervals, sight-singing, diction, part-writing, composition and performance style practices, and development of basic aural skills. Laboratory experience required.

MUSY 111 (1) Sight Singing and Ear Training. Development of basic skills in music reading and aural perception. Laboratory experience required.

MUSY 112 (1) Sight Singing and Ear Training. Prerequisite: MUSY 111. Continuation of the development of basic skills in music reading and aural perception. Laboratory experience required.

MUS 112 (2) Music Theory. Prerequisite: MUS 111. Continuation of MUS 111 with emphasis on the application of common elements of music to rhythmic, melodic and harmonic diction, three and four part writing, aural and visual analysis. Laboratory experience required.

MUS 113 (2) Music Theory. Prerequisite: MUS 112. Elective course in basic musicianship designed to provide additional study in stylistic analysis of diatonic structures and experimentation with four voice homophonic writing.

MUS 201 (3) Fundamentals of Music. Study of the basic elements of music needed by Elementary and Special Education majors as a prerequisite to MUS 203. Elective for other non-music majors.

MUS 211 (2) Music Theory. Prerequisite: MUS 112. More advanced study in basic musicianship including altered chords, modulation to near-related keys, part-writing, development of aural skills, stylistic analysis and compositional techniques. Laboratory experience required.

DESCRIPTION OF COURSES / 271

MUSY 211 (1) **Sight Singing and Ear Training.** Prerequisite: MUS 112. More advanced studies in the development of music reading and aural perception skills. Laboratory experience required.

MUSY 212 (1) **Sight Singing and Ear Training.** Prerequisite: MUS 211. More advanced studies in the development of music reading and aural perception skills. Laboratory experience required.

MUS 212 (2) **Music Theory.** Prerequisite: MUS 211. Advanced study in basic musicianship including ninth, eleventh and thirteenth chords, modulation to distant keys, and continued development of aural skills, stylistic analysis and compositional techniques. Laboratory experience required.

MUS 213 (2) **Music Theory.** Prerequisite: MUS 212. Elective with emphasis on twentieth century techniques.

MUS 226 (3) **Introduction to Music Technology.** A survey of computer hardware, software, and other electronic devices as they relate to computer generated music. Topics include computer basics, MIDI sequencing, music notation, database building, and internet resources for musicians.

MUS 311 (3) **Form and Analysis.** Prerequisite: MUS 212. Analysis of forms and styles representative of works from the Renaissance period to the present.

MUS 411 (2) **Vocal Arranging.** Prerequisite: MUS 311 or equivalent. Arranging and adapting scores for small and unusual groups of vocal combinations.

MUSY 411 (2) **Instrumental Arranging.** Prerequisites: MUS 311, and 331-332. Fundamental techniques of arranging and transcribing music for varied instrumental ensembles.

MUS 412 (3) **Orchestration.** Prerequisites: MUS 311, 332, and 222. Practical study in the art of scoring for various sections of the orchestra, singly and in combination. Elective.

MUS 437 (3) **Seminar in Church Music.** The course will enable participants (1) to become aware of how to intelligently use instruments in the worship service; (2) to understand and be able to plan a comprehensive church music program; (3) to understand when to use the hymn, anthem, spiritual, response or gospel selection in worship; and (4) to become cognizant of appropriate materials and techniques for use in developing choirs of varying age groups.

MUS 451 (3) **Counterpoint.** Prerequisite: MUS 311. Study of model, eighteenth century and contemporary counterpoint with

experiences in writing. Required for Bachelor of Music students, elective for others.

MUS 452, 453 (3) (3) **Composition I and II.** Prerequisite: MUS 311. Exploration and understanding methods by which music is composed, study of traditional musical styles, experiences in improvisation and manipulating common elements in traditional and nontraditional ways. Original compositions required. Elective.

MUS 461 (2) **Special Studies in Theory I.** Prerequisite: Consent of instructor. Creative or research projects in music theory on an individual basis. Elective.

MUS 462 (3) **Special Studies in Theory II.** Prerequisite: Consent of instructor. More advanced creative or research projects in music theory on an individual basis. Elective.

Music History and Literature:

MUS 205 (3) **Music Appreciation.** Study of music designed to provide the general student with knowledge and understanding of the history, structure, and style of various types of music literature and development of listening skills.

MUS 206 (3) **Elementary School Music Appreciation.** Prerequisite: Mus 203. Student of classical, romantic, and contemporary music with emphasis on its use in elementary schools. For Elementary and Special Education majors concentrating in music, elective for others.

MUS 217 (1) **Jazz History.** Study of the development of jazz from its African origins to its present status as an organized art form, contributions of selected jazz musicians, relationship to rock, pop, and European music.

MUS 219 (1) **Introduction to Organ.** Student of organ literature, style analysis, historical and practical organ design. Comparison of electronic, computerized and pipe organs.

MUS 319 (3) **Chamber Music.** Prerequisite: MUS 322. Study of the historical background, literature, media, forms and styles of ensemble music, including small group rehearsals for instrumentalists, vocalists, and pianists.

MUS 321 (3) **Music History.** Prerequisite: MUS 112. A chronological and comparative study of the historical development of musical practices, forms and styles from Antiquity to the Baroque era.

MUS 322 (3) **Music History.** Prerequisite: MUS 321. Continuation of MUS 321 with emphasis on the literature,

272 \ JACKSON STATE UNIVERSITY

forms, styles and practices of music in the Baroque era to the present time.

MUS 323 (3) Music History. Elective course designed to study the various forms, styles, media and techniques utilized in music on the present time.

MUS 350 (3) Roots of Music Springing from Africa. The study of music from its beginning with emphasis on African cultures that contributed to its development. Elective, may be substituted for MUS 205.

MUS 351 (3) Contributions of Black Americans to Western Music: The Influence of Africa. The influence of Africa on American music and the contributions of Black Americans to its development. Elective, may be substituted for MUS 205.

MUS 352 (3) Folk Music of Black People in the United States, Latin America, South America and the Caribbean. The contribution of Black People to the development of Folk Music. Elective.

MUS 431 (3) Symphonic Literature. Prerequisite: MUS 322. Study of symphonic literature of various periods with emphasis on listening, score reading, style and analysis, historical practices and procedures, and technical problems of performance.

MUS 432 (3) Keyboard Literature I. Prerequisite: MUS 322. Study of literature for keyboard instruments from earliest periods to the present. Performance, listening sessions and discussion of aesthetic value, structure and style.

MUS 433 (3) Song Literature. Prerequisite: MUS 322. A chronological survey of song literature with emphasis on principal types, forms, composers, stylistic features, trends and influences in representative style periods.

MUS 434 (3) Keyboard Literature II. Prerequisite: MUS 432. Concentrated study of selected topics in keyboard literature. Correlation of art, music and literature; performance, listening and discussion of aesthetic values, structure and style.

MUS 435 (3) Song Literature II. Prerequisite: MUSV 433. An advanced survey of literature for solo voice(s) from the English Lutenists to literature of the 21st century. A study of interpretation both practical and within historical context and program building are included, along with a review of song study techniques.

Music Education:

MUS 104, 105 (1) (1) Voice Class. Artistic singing, diction, phrasing, breath support and control, methods and materials

applicable to elementary school students in grade 1 - 6. Elementary and Special Education majors only.

MUS 117 (1) Voice Class. Essential elements of artistic singing, including effective methods of breath control, formation and color of vowels, resonance, phrasing, diction, and development of effective singing techniques.

MUS 118 (1) Voice Class. Voice diagnosis; consideration of the fundamentals of vocal production as related to each individual; study of breath control, resonance and diction; application of fundamentals to song material. Elective.

MUS 203 (3) Music for Children. Prerequisite: MUS 201. Study of philosophy, aims, appropriate musical experiences, materials and methods; application of skills and techniques of teaching music to elementary school children. For prospective elementary school teachers.

MUS 221, 222 (1) (1) String Class. The study of application of fundamentals of playing and teaching string instruments including correct tone production, bowing techniques and care of the instruments. Laboratory experience required.

MUS 223 (1) String Class. Prerequisite: MUS 222 or equivalent. More advanced study and application of essential playing and teaching techniques for string instruments. Elective.

MUS 230, 231 (1) (1) Jazz/Commercial Keyboard Skills. Prerequisite: MUSD 115. Basic jazz keyboard skills. Keyboard realization of jazz harmony with typical idiomatic voicing.

MUS 301 (3) Principles and Practice of Music for Children. Prerequisites: MUS 201 and 203. Historical, philosophical, psychological, social and aesthetic foundations of music for children. Emphasis on effective organization and implementation of musical experiences for children.

MUS 302 (3) Music in the Elementary School. Prerequisites: MUS 212, and PRAXIS I. Philosophy, aims, and principles of music teaching and learning; content, methods and materials for music teaching; creative approaches to the development of musical concepts in elementary school children.

MUS 303 (3) Music in the Secondary School. Prerequisite: MUS 302. Philosophy, basic concepts and principles of music teaching and learning in the secondary school. Emphasis on content, techniques and materials for effective program building and implementation.

MUS 304 (3) Recreation Music. An introduction to innovative ways in which music may be applied to recreation and leisure. For Elementary and Special Education majors concentrating in music. Elective for others.

DESCRIPTION OF COURSES / 273

MUS 333 (2) **Conducting.** Prerequisite: Junior standing or consent of instructor. Elements and techniques of conducting; stylistic interpretation; choral, band and orchestral score reading; rehearsal techniques, individual practice in conducting performance groups.

MUS 334 (2) **Conducting.** Prerequisite: MUS 333. More advanced study in the fundamentals of conducting both choral and instrumental groups. Elective.

MUS 337 (1) **Brasswind Class.** Prerequisite: Junior standing or consent of instructor. Study of the origin and development of brasswind instruments and development of fundamental performance proficiency on one or more brass instruments.

MUS 338 (1) **Woodwind Class.** Study of the origin and development of woodwind instruments and development of fundamental proficiency on one or more woodwind instruments.

MUS 339 (1) **Percussion Class.** Study of the origin and development of percussion instruments and development of fundamental performance proficiency on basic percussion instruments.

MUS 341 (3) **Advanced String Class.** Prerequisite: MUS 222 or consent of instructor. More advanced study of the content, methods, techniques and materials useful for effective teaching of string instruments in schools, individually and in groups. Elective.

MUS 407 (3) **Instrumental Pedagogy.** Prerequisite: MUS 315. Students will master objectives, methods and materials applied to instrumental teaching. This course is designed to teach the student skills for studio instruction from various stages for the beginning, intermediate, and advanced student.

MUS 410 (3) **Advanced Band Instrument Class.** Prerequisite: MUS 332 or equivalent. More advanced study of the content, methods, techniques and materials useful for effective teaching of band instruments in schools, individually or in groups. Elective.

MUS 420 (3) **Jazz Pedagogy/Methods.** Prerequisite: MUS 311. Techniques for the effective organization, administration and implementation of the jazz studies program in the school and private studio.

MUS 421 (3) **Piano Methods and Materials.** Prerequisite: MUS 315. Techniques needed to understand teaching private piano and piano classes; pedagogical methods, content and literature. This course combines historical, theoretical and educational strategies into an effective teaching method in compliance with music education standards.

MUSQ 421 (3) **Choral Methods and Materials.** Prerequisites: MUS 303 and 315. Techniques of organizing and developing choral groups in schools; study and evaluation of choral methods, content and literature.

MUSM 421 (3) **Instrumental Methods and Materials.** Prerequisites: MUS 315. Techniques of organizing and developing instrumental groups; musical content, pedagogical practices, procedures, methods and materials for developing bands, orchestras, ensembles and solo performances.

MUS 422 (3) **Church Music.** Basic objectives, organizational procedures, administration, and literature of modern liturgical music. Elective.

MUS 423 (3) **Art of Accompanying.** Prerequisite: MUS 215. Practical training for music majors in coaching and playing choral, vocal, dance and instrumental accompaniments. Elective.

MUS 425 (3) **Administration of School Music.** Study of administrative considerations basic to essential facets of school music programs, K-12, including objectives, organization, staffing, financing, equipment, facilities, scheduling, public relations and instruction. Elective.

MUS 426 (3) **Voice Pedagogy.** Prerequisite: MUS 215 or 225. Objectives, methods and materials applied to vocal teaching. Procedures in voice production, respiration, phonation, articulation, resonance; voice classification, quality, diction, support and control. Elective.

MUS 427 (3) **Music Seminar.** Prerequisite: Senior standing. Integrative analysis, review and assimilation of basic concepts in the development of musicianship as related to contemporary needs and uses. Elective.

MUS 428 (3) **Hymnology.** This course studies the development of hymnology from the early church to the present. Additional attention is given to the historical performance practice unique to the respective periods.

MUS 429 (3) **The Church and Music Education.** A comprehensive program constructed to enable the church musician to study materials, methods, and activities and to present programs specifically designed to educate the taste of various congregations.

MUS 436 (2) **Introduction to Church Music.** Prerequisite: MUS 212. Rehearsal procedures, reviewing literature of the past and present, philosophies of church music, as well as liturgies will be studied. Planning of a church music program that is flexible and dynamic, as well as contemporary; contemporary trends will be covered.

Supportive Music Courses:

MUS 100 (2) **Careers in Music.** A study of alternative careers to teaching in the field of music. Current needs, future trends, economic considerations, preparation of courses of study, geographical advantages, special characteristics and preparation required.

MUS 207 (3) **Keyboard Skill.** Prerequisite: MUS 212. Applied experience for music communication skills: sight-reading scores, improvisation, accompanying, transposing and ensemble playing. Additional master class laboratory required.

MUS 408 (3) **Piano Pedagogy I.** Prerequisite: MUS 325. Designed to teach the student technical skills needed for piano studio instruction and to examine teaching materials from various periods for the beginning, intermediate and advanced piano student.

MUS 409 (3) **Piano Pedagogy II.** Prerequisite: MUS 408. Practical teaching of beginning intermediate and advanced pupils in piano. Application of technical skills and materials studied in MUS 408 and 409 to instruction of piano students.

MUS 498 (2) **Independent Study.** Prerequisites: MUS 315 or 325. Intensive study of a subject selected in accordance with student needs, under the direction of the faculty. Written report required.

MUS 499 (2) **Independent Study.** Prerequisite: Senior standing. Individual program of study in major area of interest, under the direction of the faculty. Opportunities to broaden knowledge and develop further skills in special areas of music.

Basic Applied:

MUS 001, 002 (1) (1) **Basic Applied.** Private instruction in the basic concepts of piano, vocal, or instrumental performance. For students who need to be strengthened in the fundamental principles and techniques of their applied major.

Piano:

MUS 101, 102 (1) (1) **Basic Keyboard.** Beginning class piano instruction. Principal chords in all keys; ear training, rhythm, harmonization and transposition of melodies suitable for grades K - 6.

MUS 114, 115 (2) (2) **Applied Piano.** Prerequisite: Freshman standing on piano auditions. All major and minor scales and arpeggios, technical exercises, selections from Mikrokosmos and selected repertoire from Baroque, Classical, Romantic and Contemporary periods.

MUSD 114, 115 (1) (1) **Applied Secondary Piano.** For all vocal and instrumental students. Emphasis on scales, chords, sight-reading, improvised accompaniments to melodies and transposition. Must be enrolled in MUS 111.

MUSD 116 (1) **Applied Secondary Piano.** Continued development of basic keyboard skills in scales, techniques, sight-reading, and easy ensemble compositions. Elective.

MUS 214, 215 (2) (2) **Applied Piano.** Prerequisite: MUS 115. All scales, 3rds, 6ths, 10ths, dominant 7th and diminished 7th arpeggios; advanced studies including Mikrokosmos; advanced repertoire including suites, sonatas and preludes from all major historical periods.

MUSD 214, 215 (1) (1) **Applied Secondary Piano.** Prerequisite: MUSD 115. For vocal and instrumental students. Sight-reading and performance and materials suitable for school and community use. Harmonizations, transpositions, accompaniments and moderately easy compositions. Piano proficiency required in MUS 215.

MUSD 216 (1) **Applied Secondary Piano.** Prerequisite: MUSD 215 or consent of instructor. Continuation of development of basic keyboard skills including sight-reading, harmonization and transposition of simple melodies. Elective.

MUS 314, 315 (2) (2) **Applied Piano.** Prerequisite: MUS 215. Advanced technical studies; detailed study of Bach or Handel Suites, compositions by Schubert, Chopin, Brahms, Mendelssohn or Liszt and representative 20th century repertoire. Junior recital at 315B level.

MUSD 314 (1) **Applied Secondary Piano.** Development of piano skills to enable students to sight-read moderately easy compositions including jazz idioms, emphasis on community songs and choral accompaniments. Elective.

MUSD 315 (1) **Applied Secondary Piano.** Continuation of MUSD 314 with the same types of materials on a moderately difficult level. Elective.

MUSD 316 (1) **Applied Secondary Piano.** Continuation of MUSD 315 with emphasis on piano literature of a more difficult level. Elective.

MUS 414 (2) **Applied Major Piano.** Prerequisite: MUS 315. Preparation for and presentation of senior recital. Selection of compositions from Baroque to Twentieth Century forming a well-balanced program.

MUS 415 (3) **Applied Piano.** Prerequisite: MUS 414. Advanced piano study beyond the senior recital level. Elective.

Organ:

MUSO 114, 115 (2) (2) **Applied Organ.** Prerequisite: Audition and consent of instructor. Easy to moderately difficult literature of all periods and natural schools. Selected materials; The Church Organist by Andrews and Riddle, J. S. Bach's Eight Preludes and Fugues. The Little Organ Book, hymn playing.

MUSO 214, 215 (2) (2) **Applied Organ.** Prerequisite: MUSO 115. Continuation of MUSO 115. More advanced literature of all periods and further instruction in hymn playing.

MUSO 314, 315 (2) (2) **Applied Organ.** Prerequisite: MUSO 215. Advanced literature including specific types of accompaniments. Reduction of orchestral accompaniments to choral works.

Voice:

MUSV 114, 115 (2) (2) **Applied Voice.** Prerequisite: Freshman standing on voice audition. Vocalization for development of tone quality, diction, range, breathing and correct singing posture. Individualized basic musicianship and technical studies. Repertoire Requirements; Eight songs. Four songs per semester. Four Italian and Four English songs from the 17th and 18th centuries. At least three songs are to be memorized per semester.

MUSL 114, 115 (1) (1) **Applied Secondary Voice.** Prerequisite: Audition. For students other than voice majors. Emphasis on the essentials and elements of artistic singing and reading skills. Songs in English and Italian.

MUSL 116 (1) **Applied Secondary Voice.** For students other than voice majors. Emphasis on the essentials and elements of artistic singing and music reading skills. Repertoire requirements; One song in English and One song in Italian. Both songs are to be memorized.

MUSV 214, 215 (2) (2) **Applied Voice.** Prerequisite: MUSV 115. A continuation of basic musicianship and technical studies. Repertoire requirements. Five songs per semester; two selected from the Oratorio repertoire, Two French chanson, Two German lieder, Two American art songs or sacred songs, Two Operatic arias. At least four are to be memorized per semester.

MUSL 214, 215 (1) (1) **Applied Secondary Voice.** Prerequisite: MUSL 115. Continuation of voice 115. Development of sufficient vocal skills to assure effective use of the voice in demonstrations. Experience in solo vocal performance. Songs in English and Italian.

MUSL 216 (1) **Applied Secondary Voice.** Prerequisite: MUSL 116 or consent of constructor. More advanced elective course with emphasis on development of increased technical and technical skills. Repertoire requirements: Two American art songs or sacred songs and one Italian art song. At least two songs are to be memorized.

MUSL 314, 315 (1) (1) **Applied Secondary Voice.** Prerequisite: Audition. Elective courses for continued development of musicianship with the emphasis on stylistic interpretation through the use of vocal literature and technical studies. Songs in English, Italian, Spanish or French.

MUSV 314, 315 (2) (2) **Applied Voice.** Prerequisite: MUSV 215. Continuation of technical studies with more emphasis on musical style, interpretation and performance practice. Repertoire requirements: Twelve new songs. Six new songs each semester. Three American art songs, Three German lieder, Three French chanson, Two oratorio or cantata arias, and one operatic aria. At least five are to be memorized per semester. Junior Recital at the 315 level.

MUSL 316 (1) **Applied Secondary Voice.** Prerequisite: MUSL 216 or consent of instructor. Continuation of vocal technique and interpretive skills. More advanced repertoire. Repertoire Requirements: Four songs. Two American art songs or sacred songs, one operatic aria and one oratorio or cantata aria. At least three songs are to be memorized.

MUSV 414 (2) **Applied Voice.** Prerequisite: MUSV 315. Advanced vocal technique and literature. Greater emphasis on performance practice and communicative skills. Repertoire requirements: Twelve new songs. Six new songs per semester. One song cycle or chamber work. Three French chanson, Three German lieder, Three American art songs or sacred songs. At least five songs are to be memorized per semester. Preparation and presentation of senior recital.

Violin:

MUSN 114, 115 (2) (2) **Applied Violin.** Prerequisite: Freshman standing on violin audition. Private instruction on developing fundamental techniques of violin playing. Scales, arpeggios, sight-reading, technical studies, solo and ensemble literature.

MUSN 214, 215 (2) (2) **Applied Violin.** Prerequisite: MUSN 115. Application of technique to performance. Elements of position, tone production, bow management, finger placement covering entire and tonal range in all positions. Standard orchestral bowings, technical studies, solo and ensemble literature.

276 \ JACKSON STATE UNIVERSITY

MUSN 314, 315 (2) (2) **Applied Violin.** Prerequisite: MUSN 215. Continuation of technical studies, expansion of repertoire and development of performance skills. Junior recital at 315 level.

MUSN 316 (2) **Applied Violin.** Prerequisite: Consent of instructor. Elective course in more advanced development of technique, repertoire and performance skills.

MUSN 414 (2) **Applied Violin.** Prerequisite: MUSN 315. Advanced technical study, continued development of repertoire, stylistic interpretation and performance skills. Preparation and presentation of senior recital.

Viola:

MUSA 114, 115 (2) (2) **Applied Viola.** Prerequisite: Freshman standing on viola audition. Private instruction on developing fundamental techniques of viola playing. Scales, arpeggios, sight-reading, technical studies, solo and ensemble literature.

MUSA 214, 215 (2) (2) **Applied Viola.** Prerequisite: MUSA 115. Application of technique to performance up to fifth position with standard orchestral bowings; harmonics, double stops and chords in first three positions. Scales, arpeggios, technical studies; solo, ensemble, orchestral literature.

MUSA 314, 315 (2) (2) **Applied Viola.** Prerequisite: MUSA 215. Continuation of technical study, development of basic musicianship applied to performance skills. Stylistic interpretation, repertoire development; selected literature in preparation for junior recital at 315 level.

MUSA 316 (2) **Applied Viola.** Prerequisite: MUSA 315 or equivalent. Elective course in more advanced development of techniques, repertoire and performance skills.

MUSA 414 (2) **Applied Viola.** Prerequisite: MUSA 315 or equivalent. Advanced technical study; continued development of repertoire, stylistic interpretation, understanding and application of musical concept to performance skills. Preparation and presentation of senior recital.

Violoncello:

MUSI 114, 115 (2) (2) **Applied Violoncello.** Prerequisite: Freshman standing on violoncello auditions. Study and review of basic left and right hand techniques, playing postures and sound production. Two octave scales, arpeggios, double-stops. Selected studies, etudes and solo pieces.

MUSI 214, 215 (2) (2) **Applied Violoncello.** Prerequisite: MUSI 115. Continuation of principles studied previous year with emphasis on bowings, thumb position, scales and

arpeggios in three octaves. Concentration on more challenging studies, etudes, ensemble and solo materials.

MUSI 314, 315 (2) (2) **Applied Violoncello.** Prerequisite: MUSI 215. Continuation of principles and materials studied previous year. Scales and arpeggios, four octaves; double-stops, three octaves; advanced technical etudes, problematical studies; selected standard solo-repertoire. Junior recital, 315 level.

MUSI 316 (2) **Applied Violoncello.** Prerequisite: MUSI 315. Advanced technical study, continued development of repertoire, stylistic interpretation and application of musical concepts to performance skills. Elective.

MUSI 414 (2) **Applied Violoncello.** Prerequisite: MUSI 315. Advanced technical study, continued development of repertoire, stylistic interpretation and application of musical concepts to performance skills. Preparation and presentation of senior recital.

String Bass:

MUSS 114, 115 (2) (2) **Applied String Bass.** Prerequisite: Freshman standing on string bass audition. Study and review of basic left and right hand techniques, playing postures and tone production. Scales and arpeggios in two octaves. Selected studies, etudes and short solo pieces.

MUSS 214, 215 (2) (2) **Applied String Bass.** Prerequisite: MUS 115. Continuation of principles studied previous year, emphasis on bowings and thumb position. Scales and arpeggios in three octaves; more progressive etudes, studies, and selected short solo materials.

MUSS 314, 315 (2) (2) **Applied String Bass.** Prerequisite: MUS 215. Continuation of principles and materials studied previous year. Advanced etudes, problematic exercises, passages from standard orchestral studies, selected solo works. Junior recital at 315 level.

MUSS 316 (2) **Applied String Bass.** Prerequisite: MUS 315 or equivalent. Elective course in more advanced development of musicianship, technique, repertoire and performance skills.

MUSS 414 (2) **Applied String Bass.** Prerequisite: MUS 315. Advanced technical study, continued development of repertoire, stylistic interpretation and application of musical concepts to performance skills. Preparation and presentation of senior recital.

Bassoon:

MUSB 114, 115 (2) (2) **Applied Bassoon.** Prerequisite: Freshman standing on bassoon audition. Basic musicianship and technical studies including major, minor and chromatic

scales and arpeggios. Embouchure development, tone production, reed making. Selected technical and solo material.

MUSB 214, 215 (2) (2) **Applied Bassoon.** Prerequisite: MUS 115. Continuation of principles and techniques studied previous year including all scales, intervals, arpeggios, characteristics tone production, articulations, rhythms, sight-reading, standard technical, solo and ensemble material, making and adjusting reeds.

MUSB 314, 315 (2) (2) **Applied Bassoon.** Prerequisite: MUS 215. More advanced technical study and repertoire development. Scales in thirds, fourths, and fifths, extended arpeggios, articulatory studies, range and dynamics development. Representation solo, ensemble and orchestral literature. Junior recital, 315 level.

MUSB 414 (2) **Applied Bassoon.** Prerequisite: MUS 315. Intensive study of bassoon literature, advanced technique, stylistic interpretation, and application of musical concepts to performance skills. Preparation and presentation of senior recital.

Clarinet:

MUSC 114, 115 (2) (2) **Applied Clarinet.** Prerequisite: Freshman standing on clarinet audition. Study of tone production, proper breath support, embouchure development, articulations, major and minor scales and arpeggios. Basic musicianship development; technical studies and selected solo literature.

MUSC 214, 215 (2) (2) **Applied Clarinet.** Prerequisite: MUSC 115. Continuation of basic musicianship principles and techniques. Major, minor and chromatic scales in third, skill in adjusting clarinet reeds, sight-reading and transposition and various articulations. Selected solo and ensemble material.

MUSC 314, 315 (2) (2) **Applied Clarinet.** Prerequisite: MUSC 215. Continuation of technical study and repertoire development. More advanced performance of scales, arpeggios, articulations, embellishments, sight-reading and transposition. Representative solo, ensemble and orchestral literature. Junior recital, 315 level.

MUSC 414 (2) **Applied Clarinet.** Prerequisite: MUSC 315. Advanced technical and repertoire study. Emphasis on stylistic interpretation of solo, ensemble and orchestral literature from principal historical periods. Preparation and presentation of senior recital.

Saxophone:

MUSX 114, 115 (2) (2) **Applied Saxophone.** Prerequisite: Freshman standing on saxophone audition. Study of correct tone production, embouchure development, breath support and elements of basic musicianship. Major, minor and chromatic scales and arpeggios, articulations, technical studies and selected solo materials.

MUSX 214, 215 (2) (2) **Applied Saxophone.** Prerequisite: MUSX 115. Continuation of basic musicianship, techniques and repertoire development. Scales, arpeggios, intervals, tonguing studies, sight-reading, transposition studies. Representative solo, ensemble and orchestral literature. Junior recital, 315 level.

MUSX 314, 315 (2) (2) **Applied Saxophone.** Prerequisite: MUSX 215. Advanced technical study, stylistic interpretation and repertoire development. More advanced scale, arpeggios, articulatory, sight-reading and transposition studies. Representative solo, ensemble and orchestral literature. Junior recital, 315 level.

MUSX 414 (2) **Applied Saxophone.** Prerequisite: MUSX 315. Advanced technical study. Intensive study of saxophone literature, original and transcribed, with emphasis on the stylistic interpretation of standard solo, ensemble and orchestral materials. Preparation and presentation of senior recital.

Flute:

MUSF 114, 115 (2) (2) **Applied Flute.** Prerequisite: Freshman standing on flute audition. Two octave major and minor scales and arpeggios; development of embouchure and tone quality, breath control and varying articulation with emphasis on basic musicianship. Selected technical studies and solo materials.

MUSF 214, 215 (2) (2) **Applied Flute.** Prerequisite: MUSF 115. Continued stress on basic musicianship, tone quality, technical development and repertoire. All major, minor and chromatic scales, arpeggios and embellishments. Standard solo, ensemble and technical material progressing in difficulty.

MUSF 314, 315 (2) (2) **Applied Flute.** Prerequisite: MUSF 215. Continued technical study, development of repertoire, stylistic interpretation and performance skills. Selected solo, ensemble and orchestral material from standard repertoire. Junior recital as 315 level.

MUSF 414 (2) **Applied Flute.** Prerequisite: MUSF 315. Advanced technical study. Special exercises with emphasis on stylistic interpretation of a well-balanced repertoire. Preparation and presentation of senior recital.

Oboe:

MUSZ 114, 115 (2) (2) **Applied Oboe.** Prerequisite: Freshman standing on auditions. Study of basic musicianship including scales and arpeggios in major and minor keys, embouchure development, tone production articulation, making and adjusting reeds. Selected technical and solo materials.

MUSZ 214, 215 (2) (2) **Applied Oboe.** Prerequisite: MUSZ 115. Continuation of basic musicianship principles and technical studies. Application of technique to performance skills, scales; intervals, arpeggios, articulations, technical studies, solo ensemble materials.

MUSZ 314, 315 (2) (2) **Applied Oboe.** Prerequisite: MUSZ 215. Continuation of technical studies, extension of repertoire and development of stylistic interpretation. Selected solo, ensemble and orchestral literature from standard repertoire of principal periods. Junior recital at 315 level.

MUSZ 414 (2) **Applied Oboe.** Prerequisite: MUSZ 315. Advanced technical study and development of performance skills with on stylistic interpretation of balanced repertoire from the principal historical periods. Preparation and presentation of senior recital.

Trumpet:

MUST 114, 115 (2) (2) **Applied Trumpet.** Prerequisite: Freshman standing on trumpet audition. Methods pertinent to development of good tone production, proper breath usage, embouchure formation, articulation and musical interpretation in correlation with basic elements of musicianship. Selected technical and solo materials.

MUST 214, 215 (2) (2) **Applied Trumpet.** Prerequisite: MUST 115. Continuation of the study of basic musicianship, embouchure development, intervals, scales and study of arpeggios. Articulations, transposition and selected technical studies. Standard orchestral, solo and ensemble literature.

MUST 314, 315 (2) (2) **Applied Trumpet.** Prerequisite: MUST 215. Continuation of previous studies. More intensive study of stylistic interpretation, technique, transposition, and standard solo, ensemble and orchestral literature for trumpet from principal historical periods. Junior recital, 315 level.

MUST 414 (2) **Applied Trumpet.** Prerequisite: MUST 315. Advanced technical study and repertory development. Representative literature from principal historical periods. Preparation and presentation of senior recital.

French Horn:

MUSH 114, 115 (2) (2) **Applied French Horn.** Prerequisite:

Freshman standing on French Horn audition. Methods pertinent to development of good tone production, proper breath techniques, articulation and musical interpretation in correlation with music fundamentals. Selected technical and solo materials.

MUSH 214, 215 (2) (2) **Applied French Horn.** Prerequisite: MUSH 115. Continuation on tone quality, breath control, two octave major and minor scales and arpeggios, register expansion, embouchure building and lip flexibility. Study of transposition, technical exercises, solo and ensemble materials.

MUSH 314, 315 (2) (2) **Applied French Horn.** Prerequisite: MUSH 215. Continuation of previous studies with emphasis on embouchure building, range and muting studies, trilling exercises, other technical considerations; transposition, stylistic interpretation and repertoire development. Junior recital, 315 level.

MUSH 414 (2) **Applied French Horn.** Prerequisite: MUSH 315. Advanced technical and repertoire development. Standard solo, ensemble and orchestral literature from principal historical periods. Preparation and presentation of senior recital.

Trombone:

MUSR 114, 115 (2) (2) **Applied Trombone.** Prerequisite: Freshman level on trombone auditions. Study of tone production, breath support, embouchure development, one octave major and minor scales and arpeggios and elements of basic musicianship. Selected technical studies and solo material.

MUSR 214, 215 (2) (2) **Applied Trombone.** Prerequisite: MUSR 115. Concentration on basic musicianship, technical studies, stylistic interpretation. Lip flexibility studies within one and a half octaves, increased tone, velocity and dynamic range. Selected technical, solo and ensemble literature.

MUSR 314, 315 (2) (2) **Applied Trombone.** Prerequisite: MUSR 215. Continuation of previous studies; emphasis on stylistic interpretation, rhythmic fluency, advanced lip and wrist flexibility exercises, phrasing and articulation, clef studies and repertoire development. Junior recital, 315 level.

MUSR 414 (2) **Applied Trombone.** Prerequisite: MUSR 315. Advanced technical study and extended repertoire development. Intensive study of trombone solo, ensemble, and technical materials. Preparation and presentation of senior recital.

Euphonium:

MUSE 114, 115 (2) (2) **Applied Euphonium.** Prerequisite: Freshman level on applied audition. Study of tone production, breath support, embouchure development, and elements of

musicianship. Major, minor scales and arpeggios, clef studies, and lip flexibility exercises. Selected technical studies and solo materials.

MUSE 214, 215 (2) (2) **Applied Euphonium**. Prerequisite: MUS 115. Continuation of previous studies with emphasis on basic musicianship, repertoire, and technical development. Major, minor, chromatic scales, arpeggios, sight-reading, transposition; technical exercises, solo and ensemble materials and stylistic interpretation.

MUSE 314, 315 (2) (2) **Applied Euphonium**. Prerequisite: MUS 215. Advanced technical study and repertoire development. Representative literature for solo and ensemble performance. Junior recital preparation and presentation at 315 level.

MUSE 414 (2) **Applied Euphonium**. Prerequisite: MUS 315. Continuation of advanced technical study and repertoire development. Intensive study of selected literature for Euphonium. Preparation and presentation of senior recital.

Tuba:

MUSU 114, 115 (2) (2) **Applied Tuba**. Prerequisite: Freshman level on applied audition. Fundamentals of good tone production, embouchure development, playing position, breath support and articulation. One octave major scales and arpeggios. Basic elements of musicianship and technical exercises. Selected studies and solos.

MUSU 214, 215 (2) (2) **Applied Tuba**. Prerequisite: MUS 115. Continuation of basic musicianship, technical development, and solo studies. Lip flexibility, articulation and rhythmic studies. Major, minor and chromatic scales, arpeggios, sight-reading, transposition, selected solo and technical material.

MUSU 314, 315 (2) (2) **Applied Tuba**. Prerequisite: MUS 215. Advanced technical study, repertoire development. Velocity and extended range studies; two octave major, minor, chromatic scales, stylistic interpretation; orchestral solo passages, solo and ensemble materials. Junior recital, 315 level.

MUSU 414 (2) **Applied Tuba**. Prerequisite: MUS 315. Advanced technical study, stylistic interpretation and repertoire development. Intensive study of representative literature for the tuba. Preparation and presentation of senior recital.

Percussion:

MUSP 114, 115 (2) (2) **Applied Percussion**. Prerequisite:

Freshman level on applied audition. Snare drum and timpani technique. Basic elements of musicianship applied to tone production, rhythm, dynamics, sight-reading, tuning, pedaling, intonation, sticking, rudiments and control. Standard technical studies and solos.

MUSP 214, 215 (2) (2) **Applied Percussion**. Prerequisite: MUS 115. Continuation of snare drum, timpani and basic musicianship studies. Study of xylophone, marimba, bass drum, cymbals, traps and other mallet instruments. Selected technical solo and ensemble literature.

MUSP 314, 315 (2) (2) **Applied Percussion**. Prerequisite: MUS 215. Continuation and expansion of prior technical studies, solos and ensemble literature to include more advanced studies, multi-percussion techniques and new notational system. Junior recital, 315 level.

MUSP 414 (2) **Applied Percussion**. Prerequisite: MUS 315. Continued development of technique and musicianship with application to expanded repertoire, stylistic interpretation, preparation and presentation of senior recital.

MUSIC PERFORMANCE

Piano Performance Concentration:

MUS 124, 125 (3) (3) **Applied Major Piano**. In-depth study of piano performance techniques, including all major/minor scales, arpeggios, chord progressions, and selected etudes. Detailed study of representative keyboard works all periods. Two one-hour lessons and nine hours minimum practice weekly. Audition required.

MUS 224, 225 (3) (3) **Applied Major Piano**. Prerequisite: MUS 125. Continued in-depth study of piano performance technique including all major/minor scales in various rhythms and touches, diminished 7th and dominant 7th arpeggios, chord progressions and selected Etudes. Continued detailed study of representative keyboard works of all periods. Two one-hour lessons and nine hours minimum practice weekly. Proficiency examination at end of Sophomore year.

MUS 324, 325 (3) (3) **Applied Major Piano**. Prerequisite: MUS 225. Advanced in-depth study of piano performance techniques and advanced Etudes. Continued detailed study of representative works of all periods and preparation for a Junior Recital. Two one-hour lessons and nine hours minimum practice weekly.

MUS 424 (3) **Applied Major Piano**. Prerequisite: MUS 325. Advanced piano literature of varying forms, styles, idioms and techniques.

MUS 428 (3) **Applied Piano-Recital.** Prerequisite: MUS 424. Advanced keyboard techniques, study of advanced Etudes and preparation of selected repertory for the Senior Recital. Public presentation of a Senior Recital.

Voice Performance Concentration:

MUSV 124, 125 (3) (3) **Applied Major Voice.** Prerequisite: Freshman standing on voice audition. Vocalization for development of tone quality, diction, range, breath management, and poetic interpretation and correct singing posture. Individualized technical studies. Repertoire requirement; Five songs per semester; Four English and Four Italian songs of the 17th and 18th centuries; and Two Twentieth Century American art songs. At least Four memorized per semester.

MUSV 208 (3) **Diction for Singers.** Prerequisite: Music majors only. This course is an introduction to the phonetic analysis, diction, and pronunciation skills for Italian, German, French, and English.

MUS 224, 225 (3) (3) **Applied Major Voice.** Prerequisite: MUSV 125. Continuation of basic musicianship and technical studies. Interpretation and Character analysis. Repertoire Requirements; Six songs per semester; Three French songs; Three German songs; and Three Twentieth Century American art songs. Two Oratorio arias and One Operatic aria. At least Five memorized per semester. Satisfactory on the Sophomore Proficiency is required.

MUSV 324, 325 (3) (3) **Applied Major Voice.** Prerequisite: MUS 225. Continuation of vocal technique with more emphasis on musical style and interpretation. Repertoire requirement; Eight songs per semester; Four French songs; Four German songs; Four American art songs; Two Oratorio or Cantata arias; and Two Operatic arias. At least Six memorized per semester. Preparation for junior recital. Junior Recital required at level 325.

MUSV 424, 428 (3) (3) **Applied Major Voice.** Prerequisite: MUSV 325. Advanced vocal technique and vocal literature. Greater emphasis on musical style, interpretation and performance practice. Repertoire Requirements: Eight songs per semester; (Must include one complete song cycle); Two Oratorio or Cantata Arias; Two Operatic arias; Three American art songs; Three French songs; Three German songs. At least Six memorized per semester. Preparation for senior recital. Senior recital performance required at level 428.

Supportive Courses:

Opera Workshop:

MUSV 121, 122 (1) (1) **Opera Workshop I.** Prerequisite: Sophomore voice major or minor. Offers talented singers the opportunity to perform a variety of opera and operetta music. Students will have the opportunity to perform in staged opera scenes. Proper vocal technique, musical styles and acting are the focal points that will provide young singers with the essential musical, artistic and vocal skills needed to begin a career in opera.

MUSV 131, 132 (1) (1) **Opera Workshop II.** Prerequisite: Junior voice major or minor.

MUSV 141, 142 (1) (1) **Opera Workshop III.** Prerequisite: Senior voice major or minor.

Bassoon Performance:

MUSB 124 (3) **Applied Major Bassoon.** Entrance by Audition. In-depth study of bassoon performance techniques, including all major/minor scales, arpeggios, and thirds, selected technical studies, etudes and standard repertoire. Recital performance required.

MUSB 125 (3) **Applied Major Bassoon.** Prerequisite: MUSB 124. Continuation of MUS 124. Recital performance required.

MUSB 224 (3) **Applied Major Bassoon.** Prerequisite: MUSB 125. Continued in-depth study of bassoon performance techniques, including all major/minor scales, diminished 7th and dominant 7th chords, technical studies, etudes and the standard repertoire. Recital performance required.

MUSB 225 (3) **Applied Major Bassoon.** Prerequisite: MUSB 224. Continuation of MUS 224. Recital performance required. Sophomore Proficiency required.

MUSB 324 (3) **Applied Major Bassoon.** Prerequisite: MUSB 225. Advanced in-depth study of bassoon performance techniques, technical studies, etudes, the standard repertoire, and the introduction to reed making and adjustment. Detailed study of representative works of all historical periods. Recital performance required.

MUSB 325 (3) **Applied Major Bassoon.** Prerequisite: MUSB 324. Continuation of MUS 324. Junior Recital performance required.

MUSB 424 (3) **Applied Major Bassoon.** Prerequisite: MUSB 325. Advanced study in 20th century bassoon literature and bassoon techniques, various forms and idioms. Recital performance required.

DESCRIPTION OF COURSES / 281

MUSB 428 (3) **Applied Major Bassoon.** Prerequisite: MUSB 424. Continued advanced study in 20th century bassoon literature and Bassoon techniques, various forms and idioms. Preparation of selected repertory for the Senior Recital. Senior Recital performance required.

Clarinet Performance:

MUSC 124 (3) **Applied Major Clarinet.** Entrance by Audition. In-depth study of clarinet performance techniques, including all major/minor scales, arpeggios, and thirds, selected technical studies, etudes and standard repertoire. Recital performance required.

MUSC 125 (3) **Applied Major Clarinet.** Prerequisite: MUSC 124. Continuation of MUS 124. Recital performance required.

MUSC 224 (3) **Applied Major Clarinet.** Prerequisite: MUSC 125. Continued in-depth study of clarinet performance techniques, including all major/minor scales, diminished 7th and dominant 7th chords, technical studies, etudes and the standard repertoire. Recital performance required.

MUSC 225 (3) **Applied Major Clarinet.** Prerequisite: MUSC 224. Continuation of MUS 224. Recital performance required. Sophomore Proficiency required.

MUSC 324 (3) **Applied Major Clarinet.** Prerequisite: MUSC 225. Advanced in-depth study of clarinet performance techniques, technical studies, etudes and the standard repertoire. Detailed study of representative works of all historical periods. Recital performance required.

MUSC 325 (3) **Applied Major Clarinet.** Prerequisite: MUSC 324. Continuation of MUS 324. Junior Recital performance required.

MUSC 424 (3) **Applied Major Clarinet.** Prerequisite: MUSC 325. Advanced study in 20th century clarinet literature and clarinet techniques, clarinet in A, various forms and idioms. Recital performance required.

MUSC 428 (3) **Applied Major Clarinet.** Prerequisite: MUSC 424. Continued advanced study in 20th century clarinet literature and clarinet techniques, clarinet in A, various forms and idioms. Preparation of selected repertory for the Senior Recital. Senior Recital performance required.

Euphonium Performance:

MUSE 124 (3) **Applied Major Euphonium.** Entrance by Audition. In-depth study of euphonium performance

techniques, including all major/minor scales, arpeggios, and thirds, selected technical studies, etudes and standard repertoire. Recital performance required.

MUSE 125 (3) **Applied Major Euphonium.** Prerequisite: MUSE 124. Continuation of MUS 124. Recital performance required.

MUSE 224 (3) **Applied Major Euphonium.** Prerequisite: MUSE 125. Continued in-depth study of euphonium performance techniques, including all major/minor scales, diminished 7th and dominant 7th chords, transposition, multiple tonguing, technical studies, etudes and the standard repertoire. Recital performance required

MUSE 225 (3) **Applied Major Euphonium.** Prerequisite: MUSE 224. Continuation of MUSE 224. Recital performance required. Sophomore Proficiency required.

MUSE 324 (3) **Applied Major Euphonium.** Prerequisite: MUSE 225. Advanced in-depth study of euphonium performance techniques, technical studies, etudes and the standard repertoire. Detailed study of representative works of all historical periods. Recital performance required.

MUSE 325 (3) **Applied Major Euphonium.** Prerequisite: MUSE 324. Continuation of MUS 324. Junior Recital performance required.

MUSE 424 (3) **Applied Major Euphonium.** Prerequisite: MUSE 325. Advanced study in 20th century euphonium literature and euphonium techniques, various forms and idioms. Recital performance required.

MUSE 428 (3) **Applied Major Euphonium.** Prerequisite: MUSE 424. Continued advanced study in 20th century euphonium literature and euphonium techniques, various forms and idioms. Preparation of selected repertory for the Senior Recital. Senior Recital performance required.

Flute Performance:

MUSF 124 (3) **Applied Major Flute.** Entrance by Audition. In-depth study of flute performance techniques, including all major/minor scales, arpeggios, and thirds, selected technical studies, etudes and standard repertoire. Recital performance required.

MUSF 125 (3) **Applied Major Flute.** Prerequisite: MUSF 124. Continuation of MUSF 124. Recital performance required.

MUSF 224 (3) **Applied Major Flute.** Prerequisite: MUSF 125. Continued in-depth study of flute performance techniques, including all major/minor scales, diminished 7th and dominant

282 \ JACKSON STATE UNIVERSITY

7th chords, technical studies, etudes and the standard repertoire. Recital performance required.

MUSF 225 (3) **Applied Major Flute.** Prerequisite: MUSF 224. Continuation of MUSF 224. Recital performance required. Sophomore Proficiency required.

MUSF 324 (3) **Applied Major Flute.** Prerequisite: MUSF 225. Advanced in-depth study of flute performance techniques, technical studies, etudes and the standard repertoire. Detailed study of representative works of all historical periods. Recital performance required.

MUSF 325 (3) **Applied Major Flute.** Prerequisite: MUSF 324. Continuation of MUS 324. Junior Recital performance required.

MUSF 424 (3) **Applied Major Flute.** Prerequisite: MUSF 325. Advanced study in 20th century flute literature and flute techniques, various forms and idioms. Recital performance required.

MUSF 428 (3) **Applied Major Flute.** Prerequisite: MUSF 424. Continued advanced study in 20th century flute literature and flute techniques, various forms and idioms. Preparation of selected repertory for the Senior Recital. Senior Recital performance required.

French Horn Performance:

MUSH 124 (3) **Applied Major French Horn.** Entrance by Audition. In-depth study of French horn performance techniques, including all major/minor scales, arpeggios, and thirds, selected technical studies, etudes and standard repertoire. Recital performance required.

MUSH 125 (3) **Applied Major French Horn.** Prerequisite: MUSH 124. Continuation of MUS 124. Recital performance required.

MUSH 224 (3) **Applied Major French Horn.** Prerequisite: MUSH 125. Continued in-depth study of French horn performance techniques, including all major/minor scales, diminished 7th and dominant 7th chords, transposition, multiple tonguing, technical studies, etudes and the standard repertoire. Recital performance required.

MUSH 225 (3) **Applied Major French Horn.** Prerequisite: MUSH 224. Continuation of MUS 224. Recital performance required. Sophomore Proficiency required.

MUSH 324 (3) **Applied Major French Horn.** Prerequisite: MUSH 225. Advanced in-depth study of French horn performance techniques, technical studies, etudes and the

standard repertoire. Detailed study of representative works of all historical periods. Recital performance required.

MUSH 325 (3) **Applied Major French Horn.** Prerequisite: MUSH 324. Continuation of MUS 324. Junior Recital performance required.

MUSH 424 (3) **Applied Major French Horn.** Prerequisite: MUSH 325. Advanced study in 20th century French horn literature and French horn techniques, various forms and idioms. Recital performance required.

MUSH 428 (3) **Applied Major French Horn.** Prerequisite: MUSH 424. Continued advanced study in 20th century French horn literature and French horn techniques, various forms and idioms. Preparation of selected repertory for the Senior Recital. Senior Recital performance required.

Oboe Performance:

MUSZ 124 (3) **Applied Major Oboe.** Entrance by Audition. In-depth study of oboe performance techniques, including all major/minor scales, arpeggios, and thirds, selected technical studies, etudes and standard repertoire. Recital performance required.

MUSZ 125 (3) **Applied Major Oboe.** Prerequisite: MUSZ 124. Continuation of MUS 124. Recital performance required. MUSZ 224 (3) **Applied Major Oboe.** Prerequisite: MUSZ 125. Continued in-depth study of oboe performance techniques, including all major/minor scales, diminished 7th and dominant 7th chords, technical studies, etudes and the standard repertoire. Recital performance required.

MUSZ 225 (3) **Applied Major Oboe.** Prerequisite: MUSZ 224. Continuation of MUSZ 224. Recital performance required. Sophomore Proficiency required.

MUSZ 324 (3) **Applied Major Oboe.** Prerequisite: MUSZ 225. Advanced in-depth study of oboe performance techniques, technical studies, etudes, the standard repertoire, and the introduction to reed making and adjustment. Detailed study of representative works of all historical periods. Recital performance required.

MUSZ 325 (3) **Applied Major Oboe.** Prerequisite: MUSZ 324. Continuation of MUSZ 324. Junior Recital performance required.

MUSZ 424 (3) **Applied Major Oboe.** Prerequisite: MUSZ 325. Advanced study in 20th century oboe literature and oboe techniques, various forms and idioms. Recital performance required.

MUSZ 428 (3) **Applied Major Oboe.** Prerequisite: MUSZ 424. Continued advanced study in 20th century oboe literature and oboe techniques, various forms and idioms. Preparation of selected repertory for the Senior Recital. Senior Recital performance required

Percussion Performance:

MUSP 124 (3) **Applied Major Percussion.** Entrance by Audition. Snare drum, xylophone, and timpani techniques. In-depth study of percussion performance techniques, including all major/minor scales, tone production, rhythm, dynamics, sight-reading, tuning, pedaling, intonation, sticking, rudiments, arpeggios, and thirds, selected technical studies, etudes and standard repertoire. Recital performance required.

MUSP 125 (3) **Applied Major Percussion.** Prerequisite: MUSP 124. Continuation of MUS 124. Recital performance required.

MUSP 224 (3) **Applied Major Percussion.** Prerequisite: MUSP 125. Study of xylophone, marimba, bass drum, cymbals, traps and other mallet instruments. Continued in-depth study of percussion performance techniques, including all major/minor scales, diminished 7th and dominant 7th chords, technical studies, etudes and the standard repertoire. Recital performance required.

MUSP 225 (3) **Applied Major Percussion.** Prerequisite: MUSP 224. Continuation of MUS 224. Recital performance required. Sophomore Proficiency required.

MUSP 324 (3) **Applied Major Percussion.** Prerequisite: MUSP 225. Continuation of prior percussion instruments studied with the addition of multi-percussion techniques and new notational system. Advanced in-depth study of percussion performance techniques, technical studies, etudes and the standard repertoire. Detailed study of representative works of all historical periods. Recital performance required.

MUSP 325 (3) **Applied Major Percussion.** Prerequisite: MUSP 324. Continuation of MUSP 324. Junior Recital performance required.

MUSP 424 (3) **Applied Major Percussion.** Prerequisite: MUSP 325. Advanced study in 20th century percussion literature and percussion techniques, various forms and idioms. Recital performance required.

MUSP 428 (3) **Applied Major Percussion.** Prerequisite: MUSP 424. Continued advanced study in 20th century percussion literature and percussion techniques, various forms

and idioms. Preparation of selected repertory for the Senior Recital. Senior Recital performance required.

String Bass Performance:

MUSS 124, 125 (3) (3) **Applied Major String Bass.** Entrance by audition. In-depth study of string bass performance techniques, including all major/minor scales and arpeggios, selected technical studies, clef studies, etudes and standard repertoire. Chamber ensemble and recital performance required.

MUSS 224, 225 (3) (3) **Applied Major String Bass.** Prerequisite: MUSS 125. Continued in-depth study of string bass performance techniques, including all major/minor scales, diminished 7th and dominant 7th chords, advanced clef studies, multiple tonguing, technical studies, etudes and standard repertoire. Chamber ensemble and recital performance required. Sophomore Proficiency required.

MUSS 324, 325 (3) (3) **Applied Major String Bass.** Prerequisite: MUSS 225 and passing score on the Sophomore Proficiency. Advanced in-depth study of string bass performance techniques, technical studies, etudes and standard repertoire. Detailed study of representative works from all historical periods. MUSS 325 Junior Recital performance required.

MUSS 424 (3) **Applied Major String Bass.** Prerequisite: MUSS 325. Advanced study in contemporary string bass literature and cello techniques. Chamber ensemble and recital performance required.

MUSS 428 (3) **Applied Major String Bass.** Prerequisite: MUSS 424. Advanced study in contemporary string bass literature and string bass techniques. Preparation of selected repertory for the Senior Recital. MUS 425 Senior Recital performance required.

Trombone Performance:

MUSR 124, 125 (3) (3) **Applied Major Trombone.** Entrance by audition. In-depth study of trombone performance techniques, including all major/minor scales and arpeggios, selected technical studies, clef studies, etudes and standard repertoire. Chamber ensemble and recital performance required.

MUSR 224, 225 (3) (3) **Applied Major Trombone.** Prerequisite: MUSR 125. Continued in-depth study of trombone performance techniques, including all major/minor scales, diminished 7th and dominant 7th chords, advanced clef studies, multiple tonguing, technical studies, etudes and standard repertoire. Chamber ensemble and recital performance required. Sophomore Proficiency required.

MUSR 324, 325 (3) (3) **Applied Major Trombone.** Prerequisite: MUSR 225 and passing score on the Sophomore Proficiency. Advanced in-depth study of trombone performance techniques, technical studies, etudes and standard repertoire. Detailed study of representative works from all historical periods. MUSR 325 Junior Recital performance required.

MUSR 424 (3) **Applied Major Trombone.** Prerequisite: MUSR 325. Advanced study in contemporary trombone literature and trombone techniques, including; alto trombone, improvisation, and computer assisted performance. Chamber ensemble and recital performance required.

MUSR 428 (3) **Applied Major Trombone.** Prerequisite: MUSR 424. Advanced study in contemporary trombone literature and trombone techniques, including; alto trombone, improvisation, and computer assisted performance. Preparation of selected repertory for the Senior Recital. MUS 425 Senior Recital performance required.

Trumpet Performance:

MUST 124 (3) **Applied Major Trumpet.** Entrance by Audition. In-depth study of trumpet performance techniques, including all major/minor scales, arpeggios, and thirds, selected technical studies, etudes and standard repertoire. Recital performance required.

MUST 125 (3) **Applied Major Trumpet.** Prerequisite: MUST 124. Continuation of MUST 124. Recital performance required.

MUST 224 (3) **Applied Major Trumpet.** Prerequisite: MUST 125. Continued in-depth study of trumpet performance techniques, including all major/minor scales, diminished 7th and dominant 7th chords, transposition, multiple tonguing, technical studies, etudes and the standard repertoire. Recital performance required

MUST 225 (3) **Applied Major Trumpet.** Prerequisite: MUST 224. Continuation of MUST 224. Recital performance required. Sophomore Proficiency required.

MUST 324 (3) **Applied Major Trumpet.** Prerequisite: MUST 225. Advanced in-depth study of trumpet performance techniques, technical studies, etudes and the standard repertoire. Detailed study of representative works of all historical periods. Recital performance required.

MUST 325 (3) **Applied Major Trumpet.** Prerequisite: MUST 324. Continuation of MUST 324. Junior Recital performance required.

MUST 424 (3) **Applied Major Trumpet.** Prerequisite: MUST 325. Advanced study in 20th century trumpet literature and trumpet techniques, trumpet in C, various forms and idioms. Recital performance required

MUST 428 (3) **Applied Major Trumpet.** Prerequisite: MUST 424. Continued advanced study in 20th century trumpet literature and trumpet techniques, trumpet in C, piccolo trumpet, various forms and idioms. Preparation of selected repertory for the Senior Recital. Senior Recital performance required.

Tuba Performance:

MUSU 124 (3) **Applied Major Tuba.** Entrance by Audition. In-depth study of tuba performance techniques, including all major/minor scales, arpeggios, and thirds, selected technical studies, etudes and standard repertoire. Recital performance required.

MUSU 125 (3) **Applied Major Tuba.** Prerequisite: MUSU 124. Continuation of MUSU 124. Recital performance required.

MUSU 224 (3) **Applied Major Tuba.** Prerequisite: MUSU 125. Continued in-depth study of tuba performance techniques, including all major/minor scales, diminished 7th and dominant 7th chords, transposition, multiple tonguing, technical studies, etudes and the standard repertoire. Recital performance required.

MUSU 225 (3) **Applied Major Tuba.** Prerequisite: MUSU 224. Continuation of MUSU 224. Recital performance required. Sophomore Proficiency required.

MUSU 324 (3) **Applied Major Tuba.** Prerequisite: MUSU 225. Advanced in-depth study of tuba performance techniques, technical studies, etudes and the standard repertoire. Detailed study of representative works of all historical periods. Recital performance required

MUSU 325 (3) **Applied Major Tuba.** Prerequisite: MUSU 324. Continuation of MUSU 324. Junior Recital performance required.

MUSU 424 (3) **Applied Major Tuba.** Prerequisite: MUSU 325. Advanced study in 20th century tuba literature and tuba techniques, various forms and idioms. Recital performance required. Prerequisite MUSU 325.

MUSU 428 (3) **Applied Major Tuba.** Prerequisite: MUSU 424. Continued advanced study in 20th century tuba literature and tuba techniques, various forms and idioms. Preparation of selected repertory for the Senior Recital. Senior Recital performance required

Violin Performance:

MUSN 124, 125 (3) (3) **Applied Major Violin.** Entrance by audition. In-depth study of Violin - Viola performance techniques, including all major/minor scales and arpeggios, selected technical studies, etudes and standard repertoire. Chamber ensemble and recital performance required.

MUSN 224, 225 (3) (3) **Applied Major Violin.** Prerequisite: MUSN 125. Continued in-depth study of Violin - Viola performance techniques, including all major/minor scales, major and minor 3 and 4 octave scales and arpeggios, technical studies, etudes and standard repertoire. Chamber ensemble and recital performance required. Sophomore Proficiency required.

MUSN 324, 325 (3) (3) **Applied Major Violin.** Prerequisite: MUSN 225 and passing score on the Sophomore Proficiency. Advanced in-depth study of Violin - Viola performance techniques, technical studies, etudes and standard repertoire. Detailed study of representative works from all historical periods. MUSN 325 Junior Recital performance required.

MUSN 424 (3) **Applied Major Violin.** Prerequisite: MUSN 325. Advanced study in contemporary Violin - Viola literature and Violin - Viola techniques. Chamber ensemble and recital performance required.

MUSN 428 (3) **Applied Major Violin.** Prerequisite: MUSN 424. Advanced study in contemporary Violin - Viola literature and Violin - Viola techniques. Preparation of selected repertoire for the Senior Recital. MUSN 425 Senior Recital performance required.

Viola Performance:

MUSA 124, 125 (3) (3) **Applied Major Viola.** Entrance by audition. In-depth study of Violin - Viola performance techniques, including all major/minor scales and arpeggios, selected technical studies, etudes and standard repertoire. Chamber ensemble and recital performance required.

MUSA 224, 225 (3) (3) **Applied Major Viola.** Prerequisite: MUSA 125. Continued in-depth study of Violin - Viola performance techniques, including all major/minor scales, major and minor 3 and 4 octave scales and arpeggios, technical studies, etudes and standard repertoire. Chamber ensemble and recital performance required. Sophomore Proficiency required.

MUSA 324, 325 (3) (3) **Applied Major Viola.** Prerequisite: MUSA 225 and passing score on the Sophomore Proficiency. Advanced in-depth study of Violin - Viola performance techniques, technical studies, etudes and standard repertoire. Detailed study of representative works from all historical periods. MUSA 325 Junior Recital performance required.

MUSA 424 (3) **Applied Major Viola.** Prerequisite: MUSA 325. Advanced study in contemporary Violin - Viola literature and Violin - Viola techniques. Chamber ensemble and recital performance required.

MUSA 428 (3) **Applied Major Viola.** Prerequisite: MUSA 424. Advanced study in contemporary Violin - Viola literature and Violin - Viola techniques. Preparation of selected repertoire for the Senior Recital. MUSA 425 Senior Recital performance required.

Violoncello Performance:

MUSI 124, 125 (3) (3) **Applied Major Violoncello.** Entrance by audition. In-depth study of cello performance techniques, including all major/minor scales and arpeggios, selected technical studies, clef studies, etudes and standard repertoire. Chamber ensemble and recital performance required.

MUSI 224, 225 (3) (3) **Applied Major Violoncello.** Prerequisite: MUSI 125. Continued in-depth study of cello performance techniques, including all major/minor scales, diminished 7th and dominant 7th chords, advanced clef studies, multiple tonguing, technical studies, etudes and standard repertoire. Chamber ensemble and recital performance required. Sophomore Proficiency required.

MUSI 324, 325 (3) (3) **Applied Major Violoncello.** Prerequisite: MUSI 225 and passing score on the Sophomore Proficiency. Advanced in-depth study of cello performance techniques, technical studies, etudes and standard repertoire. Detailed study of representative works from all historical periods. MUSI 325 Junior Recital performance required.

MUSI 424 (3) **Applied Major Violoncello.** Prerequisite: MUSI 325. Advanced study in contemporary cello literature and cello techniques. Chamber ensemble and recital performance required.

MUSI 428 (3) **Applied Major Violoncello.** Prerequisite: MUSI 424. Advanced study in contemporary cello literature and cello techniques. Preparation of selected repertoire for the Senior Recital. MUSI 425 Senior Recital performance required.

Jazz Studies Concentration:

MUJE 312 (3) **Jazz Theory.** Prerequisite: MUS 311 or permission of instructor. This course covers jazz notation, the basic harmonic vocabulary of jazz, chord progressions, chord voicings, voice-leading, harmonization of melodies, chord-scale theory, non-functional harmony, harmonic substitutions, jazz

286 \ JACKSON STATE UNIVERSITY

analysis, chord/scale-relationships, ear training in the jazz language, keyboard harmony, jazz rhythm, and jazz forms.

MUS 440 (3) Jazz Composition/Arranging I. Prerequisite: MUS 312 or permission of instructor. A study of jazz arranging and composition dealing with the basic and intermediate tools for creative writing in the jazz idiom as applied to small jazz ensembles (instrumental and vocal), 4-part writing, harmonics practices, philosophies, music preparation and computer notation.

MUS 441 (3) Jazz Composition/Arranging II. Prerequisite: MUS 440 or permission of instructor. A study in jazz arranging and composition dealing with the tools for creative writing in the jazz idiom as applied to large jazz ensembles (instrumental and vocal), harmonics practices, music preparation and computer notation.

MUS 190, MUS 191 (.5, .5) Jazz Combo I: A performance group class for the novice to the advanced jazz improviser. This class explores the repertoire for the jazz combo with emphasis placed on Jazz Standards. Jazz concepts studies include fundamentals, and the development of improvised melodies. Students are expected to have at least an intermediate level of skill on their instruments at the time they begin this course sequence. All combo assignments are made based on the student's level of proficiency, specifically the ability to improvise.

MUS 290, MUS 291 (.5, .5) Jazz Combo II. Prerequisites: MUS 190, MUS 191 or permission of instructor. This combo class explores the repertoire for the jazz combo with emphasis placed on the "Be-bop" jazz repertoire. Jazz concepts studies include advanced performance practices of the jazz idiom, correct interpretation of jazz rhythm and articulation, Be-bop improvisational fundamentals, and the development of Be-bop improvised melodies. Students are expected to have at least an intermediate to advanced level of skill on their instruments.

MUS 390, MUS 391 (.5, .5) Jazz Combo III. Prerequisite: MUS 290, MUS 291 or permission of instructor. This group explores the repertoire for the jazz combo with emphasis placed on Cool and Free Jazz. Jazz concepts studies include jazz fundamentals of the "Cool and Free Jazz" jazz idiom, correct interpretation of jazz rhythm and articulation, improvisational concepts and the development of improvised melodies. Students are expected to have at least an intermediate to advanced level of skill on their instruments.

MUS 415 (3) Senior Recital (Jazz). Prerequisite: MUS 414. Continued development of jazz technique and musicianship with application to expended jazz repertoire and jazz stylistic interpretations. Preparation and presentation of jazz senior recital.

MUS 490, MUS 491 (.5, .5) Jazz Combo IV. Prerequisite: MUS 390, MUS 391 or permission of instructor. This group explores the repertoire for the small group or combo, with emphasis placed on the portion of the jazz repertoire known as the advanced Jazz Standards and Original Jazz Repertoire. Jazz concepts studies include advanced concepts of the jazz idiom, advanced 12 bar blues progressions, rhythm changes, tritone substitutes, advanced improvisational techniques and composing original jazz head charts. Students are expected to have at least an intermediate to advanced level of skill on their instruments.

MUS 292 (2) Jazz Improvisation I. Prerequisite: MUS 112 or permission by the instructor. The study of basic theoretical improvisation elements and concepts of jazz improvisation. This will include the study of basic jazz scales and chords, jazz musical forms, jazz ear training, standard jazz literature that will enable the student to create an improvised solo based on chord changes in selected jazz literature.

MUS 293 (2) Jazz Improvisation II. Prerequisite: MUS 292 or permission of instructor. The study of jazz chord progressions, including the "blues," rhythm changes and jazz standards incorporating basic jazz voice leading techniques, non-harmonic tones, a jazz chord to scale applications, advanced jazz ear training and an introduction to transcribing jazz improvisational solos.

MUS 392 (2) Jazz Improvisation III. Prerequisite: MUS 293 or permission of instructor. The study of jazz improvisational techniques, concepts and practice methods used by jazz artists to gain improvisational skills techniques and how to apply these skills to performance on selected jazz repertoire. Also, develop advanced skills in transcribing jazz solos.

MUS 393 (2) Jazz Improvisation IV. Prerequisite: MUS 392 or permission of instructor. The study of advanced improvisational methods, jazz dramatic melodic devices and techniques, developing transposition skills, improvising in odd meters, performing free jazz and to acquire a basic repertoire of contemporary jazz standards.

MUS 119 (1) Jazz Vocal Techniques I. This course is dedicated to exploring the basic elements of vocal jazz techniques. This exploration will include correct vocal techniques, jazz standards in the vocal jazz repertory, jazz scatting and basic concepts of vocal jazz improvisation.

MUS 219 (1) Jazz Vocal Techniques II. Prerequisite: MUS 119 or permission of instructor. This course is a continuation of Jazz Vocal Techniques I dedicated to further exploring the advanced vocal jazz techniques. This exploration will include the study of vocal physiology, jazz diction, advanced jazz vocal productions, jazz scales, advanced jazz scat singing, advanced jazz repertoire and vocal jazz dramatic devices.

Music Technology Concentration:

MUS 280 (3) MIDI Basics. Prerequisites: Ability to read music, instrumental keyboard competency. Study of the essential components of MIDI (Musical Instrument Digital Interface) technology; synthesizer and sequencer capabilities; sequence recording and editing.

MUS 281 (3) Introduction to Music Sequencing. Prerequisites: MUS 280, ability to read music; instrumental keyboard competency. Study of the basic components of MIDI (Musical Instrumental Digital Interface) sequencing technology; synthesizer and sequencer capabilities; sequence recording and editing.

MUS 282 (3) Introduction to Music Notation. Prerequisites: MUS 280, ability to read music; instrumental keyboard competency. Introduction of the basic concepts of music notation using computer software focusing on the FINALE application from CODA Music Technology.

MUS 381 (3) Advanced Music Sequencing. Prerequisites: MUS 226, 280, 281, and 282. This course will center around the development of advanced sequencing projects using CAKEWALK'S SONOR and similar sequencing software programs. Projects will be based on knowledge learned in the Introduction to Music Sequencing course and will be major in scope.

MUS 382 (3) Advanced Music Notation. Prerequisite: MUS 282. This course is a practical study of music notation with an emphasis on the application of recent computer technology to traditional notational practice. Advanced concepts of music notation and using computer software will be explored in detail using FINALE and SIBELIUS notation software programs.

MUS 383 (3) Digital Audio and Video. Prerequisites: MUS 281 and 381. A comprehensive introduction to the techniques of generating and manipulating electronic imagery (video) by means of digital instrumentation. Study also includes digital video format standards, the principles of videotape recording, replay and editing, in addition to basics of sound including stereo and digital audio, and the synchronization of audio and video files.

MUS 480 (3) Introduction to Digital Media. Prerequisite: MUS 383. In this course students will learn the skills necessary to effectively create presentations in Multimedia formats such as Microsoft's Powerpoint. Students will learn how to create and edit bullet slides, use drawing tools, incorporate clip art and WordArt, create and enhance organizational charts, and create and edit charts using Microsoft Graph.

MUS 481 (3) Computer Applications in the Music Industry. Prerequisite: MUS 480. Students will understand how the

Internet can be used as an indispensable tool in many areas of the music industry with a focus on music merchandising, recording studio operation and artist promotion.

MUS 482 (3) Studio Recording Techniques. Prerequisite: MUS 480. This course is an examination of the art of audio recording. The curriculum will cover signal flow of the mixing console as it applied to both recording and sound reinforcement; microphones and techniques of application; use of sonic effects; recording devices (analog, digital, and hard disk); synchronization formats and wiring.

MUS 483 (3) Digital Senior Recital. Prerequisite: MUS 383. The digital senior recital represents the culmination of the student's tenure as a music technology major. The recital is a presentation of original works, a display of general knowledge related to the development of music technology, and the production of music using digital compositional tools available to today's musician.

MUS 484 (12) Music Technology Internship. Prerequisite: MUS 482. The Music Technology Internship program is designed to provide practical experience for advanced students in a professional recording industry setting. Student will develop professionalism in the field, reasoning ability, critical thinking, resourcefulness, and self-reliance. Students will establish contacts within the industry that may lead to entry level employment.

Performance Ensembles:

MUBE 171-472 (.5) Brasswind Ensemble I. Prerequisite: Music Major. This course is designed to develop technical and musical skills through the rehearsal and performance of traditional and contemporary brass quintet music.

MUSG 101-142 (.5) Choir. The course is designed to provide the student with knowledge and understanding of various styles of choral literature and development of listening skills with a large group. The University Choir performs on and off campus, and throughout the United States.

MUCH 171-472 (.5) Chorale. Prerequisite: By audition only. The Chorale is comprised of 40-50 students whose objective is to provide opportunities for music majors and other students to perform chorale music that includes the Renaissance through Contemporary periods. The Chorale is designed to achieve exemplary artistic levels while performing on and off campus at special events, touring, and interfacing with other professional organizations.

MUJE 171-472 (.5) Jazz Ensemble I. This is a music performance course. The purpose of this course is to provide a

comprehensive experience with regard to the common qualities of jazz, dances, and show band playing styles. Emphasis will be placed on the performance of various styles of jazz music for the large ensemble.

MUJE 171-472 (.5) **Jazz Ensemble II.** This is a music performance course. The purpose of this course is to provide a comprehensive experience with regard to the common qualities of jazz, dances, and show band playing styles. Emphasis will be placed on the performance of various styles of jazz music for the large ensemble.

MUSK 101-142 (.5) **Marching Band.** Prerequisite: Audition required. This course covers the fundamentals of marching technique, performing while moving, discipline, physical conditioning, school pride, commitment, as well as learning how to work as a group. The Marching Band performs at all football games, selected marching band festivals, and may be called upon to provide entertainment at various school and community functions. Attendance at rehearsals and performances is required. This course may be repeated for credit, but not for a grade change.

MUSK 101-142 (.5) **Symphonic Wind Ensemble.** Prerequisite: Audition required. This ensemble is the university's premier instrumental ensemble. Repertoire for the ensemble is chosen from the entire spectrum of wind ensemble and concert band literature and includes everything from new commissions to traditional literature to music of other cultures. The ensemble keeps an active rehearsal and travel schedule both regionally and nationally. Membership is by audition.

MUSK 101-142 (.5) **University Concert Band.** Prerequisite: Audition required. The University Concert Band performs literature from the concert band repertoire. Membership is open to all students, and adult community members. The group performs on-campus concerts.

MUPE 171-472 (.5) **Percussion Ensemble.** The student will study the classics of percussion literature, and contemporary percussion music through performance. Percussion Ensemble is a requirement of all Music Education percussion majors and those who are on scholarship with the band program.

MUTE 171-472 (.5) **String Ensemble.** The student will acquire a broad knowledge of technique and literature related to the performance and teaching of the String/Chamber Ensemble. Musical awareness and perceptions will be developed through the use of theoretical knowledge and skills while performing string ensemble literature.

MUJE 171-472 (.5) **Vocal Jazz Ensemble.** This course is designed to provide the student with the knowledge and understanding of various styles of vocal jazz literature and the development of listening and performance skills within a vocal

jazz ensemble. The Vocal Jazz Ensemble performs on and off campus, and throughout the United States.

MUWE 171-472 (.5) **Woodwind Ensemble.** The student will study the classics of woodwind ensemble literature, and contemporary woodwind ensemble music through performance. Woodwind Ensemble is a requirement of all those who are on scholarship with the band program.

PHYSICAL EDUCATION

Department of Health, Physical Education and Recreation OFFICE: T. B. Ellis Physical Education Complex

PE 101 (1) **Archery and Golf.** Emphasis is given to the fundamentals of archery and golf. The student is taught how to select, purchase, and maintain equipment. Development of fundamental skills in archery and golf is the basic concern of this course. The student will be given experiences in the use of the various clubs. The course includes actual course play generally culminating in a tournament. (F, S)

PE 102 (1) **Badminton and Tennis.** Emphasis is given to the fundamentals of badminton and tennis. This includes the basic strokes, serves, and court movements. The student will also receive instruction on selection, purchase and maintenance of equipment. (F, S)

PE 104 (1) **Bowling.** This course is designed for the beginner bowler. The main emphasis of this course is to acquaint the student with the fundamentals of bowling. (F, S)

PE 109 (1) **Beginning Swimming.** This course gives basic skills of swimming, including the adjustment to the water, breathing, floating, propulsion through the water by use of the elementary stroke, backstroke, front crawl, finning, sculling, and safety. (F, S, Sum)

PE 113 (1) **Beginning Modern Dance.** This course is designed to give the student a background in Modern Dance and its pioneers. It is designed to develop a movement vocabulary and instruction in organization of dance moves into finished compositions. (F)

PE 122 (1) **Freshman Seminar in Physical Education.** This is an orientation course that is designed to familiarize prospective PE Majors with the fundamental components of the department, the school, the community, and the discipline. Students will be given the opportunity to observe classes in physical education taught by master teachers. They will also be given a Physical Fitness Test battery to familiarize themselves with the components of Physical Fitness. (F)

PE 150 (1) **Basketball and Volleyball.** This course is designed to give the students richer background in the game of basketball and volleyball. Fundamentals and game strategies will be stressed. (F, S)

PE 208 (1) **Elementary and Secondary Modern Dance and Rhythms.** This course is designed for the development of a vocabulary of movement, and the application of movements as a means of expression. (F)

PE 209 (1) **Square and Social Dance.** This course gives instruction in the fundamentals of social and American square dancing, emphasizing the execution of basic movements, analyses and timing of movements. Emphasis will also be put on skills and techniques for dances suggested by students. (F, S)

PE 210 (1) **Modern Composition and Jazz Dance.** This course offers instruction in the organization of dance movements into finished and unfinished compositions including modern jazz techniques with the application of these techniques to composition. Students will have opportunities to analyze compositions originated in the classroom. (F, S)

PE 215 (2) **Tumbling and Apparatus.** This course covers basic knowledge, techniques and practice of fundamental skills of stunts, tumbling and apparatus work. (F, S)

PE 222 (3) **Introduction to Physical Education.** Prerequisite: PE 122. This course is a study of the purpose, history, requirements, and opportunities for a career in physical education. (S)

PE 231 (1) **Intermediate Swimming.** Prerequisite: PE 109 or Deep Water Proficiency. In this course emphasis is placed on improving skills in the standard swimming strokes particularly the American Crawl, side stroke, breast stroke, back crawl, and elementary backstroke. (F, S, Sum)

PE 250 (1) **Archery and Golf.** In this course emphasis is given to developing fundamentals for archery and golf. The student is taught how to select, purchase, maintain, and properly care for equipment and facilities involved in each activity. (F, S, Sum)

PE 253 (1) **Body Mechanics and Weight Control.** The basic intent of this course is to improve body carriage, posture, physical condition, and structure. The student will be exposed to a variety of exercises, weights, and machines. (F)

PE 254 (1) **Bowling.** This course is designed for the advanced bowler. The major concern of this course is to afford students opportunities to participate in tournaments and learn methods and techniques of teaching bowling. (F)

PE 258 (1) **Badminton and Tennis.** In this course emphasis is given to the fundamentals of tennis and badminton. This includes the basic strokes, serves, and court movements. The student is also taught rules, strategies, and skills of double and single matches. (F, S, Sum)

PE 259 (1) **Advanced Swimming.** Prerequisite: PE 231. In this course emphasis is placed on techniques of advanced strokes; spring board diving, and preparation for competition. (S, Sum)

PE 270 (1) **Basketball and Volleyball.** This course is designed to give the student a richer background in the games of basketball and volleyball. Fundamentals, skills, game strategy, and knowledge of rules will be emphasized. (F, S)

PE 272 (1) **Soccer and Touch Football.** The main purpose of this course is to acquaint the student with fundamentals, rules and regulations, and game strategy relative to the game of touch football and soccer. (F)

PE 276 (1) **Track and Field and Softball.** This course emphasizes advanced fundamentals of these activities as well as methods and techniques of teaching them. (S)

PE 300 (1) **Apprenticeship in Physical Education and Sports.** Prerequisite: PE 222. This is a field-based experience course designed to provide the junior level students with opportunities to observe and work under a master teacher. (F, S, Sum)

PE 309 (1) **Elementary and Secondary Folk and Ethnic and Rhythm Dance.** This course gives instruction in dances of a specific people, including related cultural readings. Emphasis will be placed on dances of American and Afro-American people. (F, S)

PE 319W (3) **Kinesiology.** Prerequisite: BIO 234 and BIOL 234. This course is a study of the mechanics of body movement including form and style in athletic performance, and an analysis of muscle coordination in sports, gymnastics and ordinary activities of daily life. (F)

PE 320 (3) **Adapted Physical Education.** This course is a study of procedures and practices for programs that meet the needs of those students who have various disabling conditions. (F, S)

PE 322 (2) **Motor Development and Movement Education.** Prerequisite: Anatomy and PE 319–Kinesiology. This course is designed to give students a broad and comprehensive view of the field of motor development and movement education. Students will study prenatal to neonatal development, early motor sequence, perceptual motor area, and competition and the pre-adolescent child. (S)

PE 323 (3) **Organization and Administration of Physical Education.** Prerequisite: PE 222. This course is a study of the physical education and athletic program including staffing, teaching load, time schedule, finance, public relations, school plant operation, legal implications, and maintenance. (F, S)

PE 350 (2) **Measurement, Evaluation, and Statistics in Physical Education.** This course is a study of the theory and methods of test administration, evaluation and interpretation of measurement data. The development of basic competencies in use of descriptive statistics and correlation and the evaluation and grading in the physical education program are emphasized. (F, S)

PE 360 (3) **Physiology of Muscular Activity.** Prerequisite: BIO 234, BIOL 234, and PE 319. This course is a study of the nature of body variation during and resulting from physical exertion. Laboratory experiences deal with physical work capacity, reaction time, cardiovascular stress and anthropometric measures and evaluation. (S)

PE 401 (3) **Research, Classroom Management, and Clinical Practice (A–Elementary Schools, B–Secondary Schools).** This course is designed to integrate the research on effective teaching and learning with theory and practice. Students will engage in micro-teaching and will be expected to demonstrate mastery of fourteen competencies measured by the Mississippi Teacher Assessment Instrument. Students will also be introduced to classroom management strategies for effective classroom discipline and teaching routines. The clinical practice will be a field based activity.

PE 402 (12) **Clinical Internship in Student Training (A–Elementary Schools, B–Secondary Schools).** This course is a continuation of the practical learning experiences engaged in during the 401 course, but in off-campus school and community situations for twelve weeks where opportunity is given to the student teacher to test theories of teaching and learning, to initiate ideas with children. With guidance and supervision, the student teacher is also given the opportunity to develop the ability, initiative and responsibility for planning, guiding and evaluating the total program of the children with whom he/she is working.

PE 406 (1) **Aerobic Dance.** This course is designed to enable participants to understand and develop skills necessary to improve cardiovascular fitness.

PE 411 (3) **Method and Practice in Physical Education.** This course in leadership, practices, and teaching physical education activities with adaptations to different age groups. Teaching methods are discussed in the classroom and provision is made for practice in classroom situations. (F, S)

PE 412 (1) **Techniques and Skills in Physical Education.** Prerequisite: PE 215. This course is designed to develop techniques of teaching skills for activities on mats, floors, uneven parallel bars, horizontal bar, side horse, long horse, vaulting box, trampoline, and still rings. (F, S, Sum)

PE 415 (2) **Individual and Team Sports.** In this course emphasis is given to teaching students the progressive skills involved in a variety of individual, dual and team sports. Selection of equipment, tournament planning as well as facilities are discussed. This course is also designed to give students the opportunity to participate and develop competencies in individual and team sports. It is further a purpose of this course that students learn teaching methodology in specific sports activities for elementary and secondary schools. (F)

PE 416W (3) **International Ballet Workshop.** A workshop designed to give enrichment experiences in ballet with leading ballet teachers of the world. Emphasis on American, Bournonville, Russian Technique. (Sum)

PE 417 (3) **Advanced Modern Dance Workshop.** The course is designed to enable participants to understand and be able to plan a comprehensive modern dance program, develop a knowledge of movement terminology, space and time principles, fundamentals of choreography, history of and personalities in modern dance; gain experience in roles of leader and follower, and develop enjoyment of life-time activity with tremendous carry-over value in all three domains: cognitive, psychomotor, and affective. (Sum)

PE 430 (1) **Coaching and Officiating.** Prerequisite: PE 415. This course is a study of theory, principles, and techniques of coaching and officiating sports. Sports reviewed are selected by students and instructors. Actual practice on the field/floor is required. (F, S, Sum)

PE 444 (2) **Seminar in Physical Education.** Prerequisite: PE 300. This course is a study of trends which have the greatest influence on programs, methods, and practices in physical education. The student will conduct an independent study on some aspect of physical education that interests him/her. (F, S, Sum)

PE 445 (3) **Physical Education in the Elementary School.** In this course emphasis is placed on methods and materials used in the effective teaching of physical education in the elementary school. Consideration is given to the integration of physical education with other subject matter areas. (F, S, Sum)

PE 489 (2) **Principles and Problems of Coaching.** This course is designed to deal with the recognition, discussion, and systematic analysis of controversial issues and problems in coaching and athletics. Topics studied are: psychological

sociological implications of athletics, crowd control, profiles of coaches, women and athletics, financial crisis in athletics, personality traits, structure of athletics, interscholastic athletics, competition below high school level, recruitment of minority athletes and financial aid. (Sum)

PE 490 (2) Theory and Practice of Coaching Football. Designed to give the student experiences in dealing with the football program from a scientific standpoint. The student will be exposed to experiences relative to the application of mechanical, physiological, and kinesiological laws to the football program. The student will complete the psychology of coaching as well as review some of the problems that are specifically related to football programs such as recruiting, theories of the game, organizing practice, sideline coaching, and the rules and regulations of various governing bodies. (S)

PE 491 (2) Theory and Practice of Coaching Basketball. Designed to give the student experiences in dealing with the basketball program from a scientific standpoint. The student will be exposed to experiences relative to the application of mechanical, physiological, and kinesiological laws to the basketball program. The student will explore the psychology of coaching as well as review some of the problems that are specifically related to the basketball program such as recruiting, theories of the game, organizing practice, sideline coaching, and the rules and regulations of various governing bodies. (S, Sum)

PE 492 (2) Theory and Practice of Coaching Baseball. Designed to give the student experiences in dealing with the basketball program from a scientific standpoint. The student will be exposed to experiences relative to the application of mechanical, physiological, and kinesiological laws to the baseball program. The student will explore the psychology of coaching as well as review some of the problems that are specifically related to the baseball program such as recruiting, theories of the game, organizing practice, sideline coaching, and the rules and regulations of various governing bodies. (F, Sum)

PE 493 (2) Theory and Practice of Coaching Track and Field. Designed to give the student experiences in dealing with the track program from a scientific point of view. The student will be exposed to experiences relative to the application of mechanical, physiological, and kinesiological laws to the track program. The student will explore the psychology of coaching track as well as review some of the problems that are specifically related to the track program such as recruiting, organizing practice, and the rules of the governing bodies. (Sum)

PHILOSOPHY

Department of History and Philosophy OFFICE: Dollye M.E. Robinson Building

PHIL 205 (3) Old Testament and Its World. Development of literary and doctrinal statements from primitive oral tradition of narrative and religious experience. Covenant election and views of history. Non-Hebraic influences on Old Testament doctrine and belief.

PHIL 207 (3) New Testament and Its World. Development of literary and doctrinal formulations from private oral tradition to current forms of gospel, epistle, and apocalypse. Influences of classical thought and literary styles.

PHIL 301 (3) Introduction to Philosophy. Four principal types: metaphysics, epistemology, logic, ethics. Illustrated from classical, medieval and modern philosophic systems.

PHIL 308 (3) Aesthetics. Nature of artistic perception. Major theorists from Greece to modern period. Socio-economic influences from larger cultural settings. Place of artist in society.

PHIL 309 (3) Ethics. Representative thinkers from the pre-Axial Age up to the modern period focusing on capacities for analysis and critical thinking.

PHIL 416 (3) Logic. Development of normative mental act in classical deductive and inductive forms, up to the syllogism. Relation of logical structure to effective communication.

PHIL 432 (3) Philosophy of Religion. Philosophical critique of representative religious experience and doctrine. Representative thinkers from various periods.

PHIL 433 (3) Far Eastern Religious. Islam, India, China, Japan. Major doctrinal developments. Influence of Western thought upon normative systems.

PHIL 434 (3) African Religions. Major deity-formulations as related to nature. Religious foundation of social structures. Influence of Western religions and socio-economic systems on African urban centers.

PHIL 436 (3) Black Church and Black Theology. Influence of slavery period on African religious origins and presentation of Christianity. Post Civil War growth of belief and institutions. Modern religious movement related to social change. "Liberation Theology."

PHIL 437 (3) History of Modern Philosophy. Philosophy from Renaissance to modern period. Related to contemporary cultural movement.

292 \ JACKSON STATE UNIVERSITY

PHIL 438 (3) **Ancient Philosophies.** Philosophy from Egypt to Rome and/or India and China.

PHYSICS

**Department of Physics, Atmospheric
Sciences, and General Science
OFFICE: Just Hall of Science Building**

PHY 151 (3) **Introduction to Physics.** An introduction to some of the basic concepts of physics, intended both for non-science majors seeking scientific literacy and also for students who desire some experience in physics before taking PHY 201 or 11. This course satisfies the Core II physical science requirement.

PHY 198, 199, 298, 299, 398, 399, 498, 499 (.5 each) **Physics Seminar.** Presentation and discussion of current physics topics and research by students, faculty and visiting speakers. All physics majors are expected to participate.

PHY 201 (3) **Basic Physics I.** Prerequisites: MATH 111 and 112, or MATH 118. Introduction to mechanics, wave motion, sound, and heat, for science majors whose curricula may not include calculus.

PHYL 201 (1) **Basic Physics Laboratory I.** Corequisite: PHY 201. Weekly laboratory experiments in the areas covered in PHY 201.

PHY 202 (3) **Basic Physics II.** Prerequisite: PHY 201. A continuation of PHY 201. Introduction to electricity, magnetism, optics, and modern physics.

PHYL 202 (1) **Basic Physics Laboratory II.** Prerequisite: PHYL 201. Corequisite: PHY 202. Weekly laboratory experiments in the areas covered in PHY 202.

PHY 211 (4) **General Physics I.** Prerequisite: MATH 231. Introduction to mechanics, wave motion, sound, and heat. Calculus-based and more intensive than PHY 201.

PHYL 211 (1) **General Physics Laboratory I.** Corequisite: PHY 211. Weekly laboratory experiments in the areas covered in PHY 211.

PHY 212 (4) **General Physics II.** Prerequisites: PHY 211, MATH 232. A calculus-based continuation of PHY 211.

Introduction to electricity, magnetism, optics, and modern physics.

PHYL 212 (1) **General Physics Laboratory II.** Prerequisite: PHYL 211. Corequisite: PHY 212. Weekly laboratory experiments in the areas covered in PHY 212.

PHY 216 (3) **Modern Physics.** Prerequisite: PHY 212. An introduction to relativity and quantum effects including atomic structure and spectra, nuclear structure and reactions, and high-energy physics.

PHY 241 (4) **Introduction to Astronomy.** An introductory survey of the solar system, stars, nebulae, and galaxies, with discussion of cosmology, life in the universe, and the space program. Includes weekly observatory sessions. This course satisfies the Core II physical science requirement.

PHY 242 (4) **Life in the Universe.** An examination of the conditions necessary for the existence of life in the universe and of the possibilities for the detection of such life and for communication with intelligent life. Relevant basic astronomy is included.

PHY 251 (4) **Cosmology for Non-Scientists.** A study of the structure, origin, and evolution of the universe. Includes relevant basic astronomy and discussion of fundamental observations.

PHY 261 (2) **Atrophotography.** An introduction to photographic principles and basic observational techniques in astronomy. Emphasis is on information for the amateur, but professional observations are also discussed.

PHY 311 (3) **Theoretical Mechanics I.** Prerequisites: PHY 211, and MATH 232. A modern treatment of classical mechanics including single-particle dynamics, oscillations, gravitation, the calculus of variations. Lagrangian and Hamiltonian dynamics, and central-force motion.

PHY 312 (3) **Theoretical Mechanics II.** Prerequisite: PHY 311. A continuation of PHY 311 including study of systems of particles, noninertial reference frames, rigid-body dynamics, coupled oscillations, continuous systems, the wave equation, and the special theory of relativity.

PHY 328 (4) **Digital Electronics for Scientists.** Prerequisite: PHY 212. An introduction to digital electronics and microcomputers including digital logic, programming and interfacing microcomputers, and applications of microcomputers to projects of interest to the physical scientist.

PHY 329 (4) **Analog Electronics for Scientists.** Prerequisite: PHY 212. An introduction to analog electronics including DC and AC circuit analysis, source transformations, semiconductor

devices, mathematical models of semiconductor devices, and a survey of the use of modern linear integrated circuits in applications of interest to the advanced physical science student.

PHY 330W (3) Methods of Experimental Physics I. Prerequisite or Corequisite: PHY 216. Primarily a laboratory course, comprised of lectures and advanced experiments in electronics, optics, modern physics, and astronomy. Satisfies writing across the curriculum requirements.

PHY 342 (3) Optics. Prerequisite: PHY 216. A lecture course in modern optics covering geometrical, wave, and quantum optics, and modern optical technology, with applications to atomic spectroscopy and lasers.

PHY 351 (3) Thermodynamics and Statistical Physics. Prerequisite: PHY 212. A study of equations of state, the laws of thermodynamics, thermodynamic potentials, statistical thermodynamics, kinetic theory, and elementary statistical mechanics.

PHY 361 (3) Mathematical Methods of Physics and Chemistry I. Prerequisite: PHY 212. An introduction to advanced techniques of applied mathematics used in physics and chemistry, including applied linear algebra, ordinary differential equations, and Laplace's equation.

PHY 362 (3) Mathematical Methods of Physics and Chemistry II. Prerequisite: PHY 361. A continuation of PHY 361, including vector calculus, Fourier series and orthogonal expansions, Fourier integrals, complex variables and conformal mappings, complex integration, and the heat and wave equations.

PHY 381 (1-6) Independent Study. Prerequisite: Approval of instructor. Investigation of a topic selected by the student in consultation with the faculty, this course may be repeated for credit.

PHY 401S (3) Physics for Secondary Teachers. Prerequisite: PHY 212. Examination of various text and laboratory materials which are available for high school physics courses. Discussion of the goals of the high school physics course and consideration of some of the difficulties which are likely to be encountered.

PHY 410 (3) History of Physics. Prerequisite: PHY 216. Survey of the historical development of physics based on the study of classical papers and scholarly works.

PHY 411 (3) Electromagnetic Theory I. Prerequisite: PHY 362. A study of static electric and magnetic fields including Gauss' Law, Ampere's Law, and the solution of Laplace's equation.

PHY 412 (3) Electromagnetic Theory II. Prerequisite: PHY 411. A continuation of PHY 411 including study of time-dependent fields, Maxwell's equations, electromagnetic wave and radiation.

PHY 422 (3) Quantum Mechanics. Prerequisites: PHY 216 and 362. An introduction to quantum mechanics wave functions, and the Schrodinger equation, including solution of the Schrodinger equation for a box, barrier, square well, harmonic oscillator, and the hydrogen atom.

PHY 430W (3) Methods of Experimental Physics II. Prerequisite: PHY 330. A continuation of PHY 330. Selected advanced experiments in electronics, optics, modern physical and astronomy. Satisfies writing across the curriculum requirement.

PHY 431 (3) Atomic and Nuclear Physics. Prerequisite: PHY 422. A lecture course comprising a study of the properties of atoms and nuclei, and review of classic experiments, and an investigation of related applications of quantum mechanics.

PHY 433 (3) Solid State Physics. Prerequisites: PHY 216 and 422. An introduction to solid state physics including crystal structures, electron and mechanical waves in crystals, semiconductors, electric and magnetic properties of solids, and point defects in crystals.

PHY 441 (4) Solar System Astronomy. Prerequisite: PHY 212. An introduction to the solar system intended for mathematics and science majors and including the physics and chemistry of the sun, planets, moons, comets, and the interplanetary medium, life on other planets and artificial satellites.

PHY 442 (4) Stellar and Galactic Astronomy. Prerequisite: PHY 212. An introduction to stellar and galactic astronomy intended for mathematics and science major and including the physics and chemistry of the stars and the interstellar medium, star and galaxy formation, and basic cosmology.

PHY 449 (3) Special Topics in Physics. Prerequisite: Approval of instructor. Advanced specialized topic courses selected on the basis of faculty and student interest. This course may be repeated for credit.

PHY 461 (3) Computational Physics. Prerequisite: PHY 362. A study of numerical and computational techniques for solving physical problems including using analytical and physical theory to simplify and approximate, writing algorithms and programs, and using commercial and other available software.

PHY 480 (1-6) Research Project. Prerequisite: Approval of instructor. Supervised original research by the individual student on a problem selected in consultation with the faculty. This course may be repeated for credit.

POLITICAL SCIENCE

Department of Political Science OFFICE: Dollye M.E. Robinson Building, 3rd Floor

PS 121 (3) **Arguing Political Rights.** This course is designed for first year students and political science majors. Advanced are the concepts, documents and argumentation needed to understand politics, political freedom and the evolution of modern citizenship.

PS 134 (3) **Introduction to Political Science.** An introduction to the discipline of political science, its concepts and methods of analysis.

PS 135 (3) **American Government.** Prerequisite: PS 134. Survey of the constitutional basis, organization, and functioning of the American national government; the principles underlying constitutional government, citizenship, civil rights, and political institutions.

PS 136 (3) **State and Local Government.** Prerequisite: PS 134. The role of the state and local governments in the federal system: political institutions, elections, the organization, functions, and problems of state and local government, with special emphasis on Mississippi Government.

PS 236 (3) **Political Statistics.** An examination of a set of techniques for describing groups of data and for making decisions related to the allocation of political resources.

PS 238 (3) **Introduction to Comparative Politics.** Prerequisite: PS 134. An introduction to the basic concepts and approaches in comparative politics and the application of these concepts and approaches to major regions of the world.

PS 320 (3) **Legal Research and Writing.** Introduction to the basic research and writing techniques in law. Special emphasis will be placed upon the use of legal reference materials such as reporters, legal encyclopedias, digests and Periodicals, and lexis.

PS 332 (3) **Asian Governments.** Prerequisite: PS 238. A study of the Asian political system with special emphasis on China and Japan.

PS 337 (3) **American Political Theory.** Prerequisite: PS 135. A background analysis of political ideas stemming from various

intellectuals who have contributed toward the development of American political ideas prior to the American Revolution through the American Civil War Period.

PS 338 (3) **American Political Theory.** Prerequisites: PS 134 and 135. An analysis of political ideas stemming from various intellectuals who have contributed toward the development of American political ideas from the Civil War to the present.

PS 339 (3) **Black Political Thought.** Prerequisite: PS 135. An analysis of Black political ideas in America on justice, freedom, equality, individuality, electoral politics, and other values and means utilized to strengthen Black political power in the United States.

PS 340 (3) **Comparative Government.** Prerequisite: PS 238. A critical analysis and evaluation of the institutions, functions and techniques with which modern governments face the social and economic problems of the contemporary period.

PS 341 (3) **Blacks and the American Political System.** Prerequisite: PS 135. A study of the role of black people in American political process. Consideration will be given to the impact of American institutions upon black people in America and the diaspora.

PS 342 (3) **Political Philosophy.** Prerequisite: PS 135. An introductory analysis of the major works in political thought from Plato to John Locke with special attention placed on relevance of the political tracts in examining recent political problems. Open to juniors and seniors only.

PS 343 (3) **Political Philosophy.** Prerequisite: PS 135. An introductory analysis of the major works in political thought from Montesquieu to Mao tse-tung, with special attention placed on the relevance of the political tracts in examining recent political problems. Open to juniors and seniors only.

PS 346 (3) **Civil Rights and Liberties.** Prerequisite: PS 135. A study of development in the field of civil rights under the Bill of Rights and the Fourteenth Amendment to the United States Constitution, and under federal and state legislation.

PS 347 (3) **Judicial Process.** Prerequisite: PS 135. An analysis of the structure and functions of judicial systems emphasizing the organization, administration and politics of judicial bureaucracies and roles of judges, juries, counsel, litigants, and interest groups in the adjudication process.

PS 348 (3) **Minority Group Politics.** Prerequisite: PS 135. Analysis of the directions, concerns, problems, and progress of African-Americans, Mexican-Americans, Oriental Americans, native Americans, and the rights of women; also analyzes the various methods and strategies employed by these groups to solve their problems.

DESCRIPTION OF COURSES / 295

PS 349 (3) **The Political Economic Relations of Asian Countries.** To examine the foreign and economic relations of major Asian countries vis-a-vis the western industrialized countries and global community developments.

PS 350 (3) **American Political Parties and Pressure Groups.** Prerequisite: PS 135. The nature and functions of political parties; nominations; elections and the role of interest groups in the political process.

PS 351 (3) **The American Presidency.** Prerequisite: PS 135. A consideration of the nature, powers, and functions of the American Presidency with emphasis on executive congressional relations and presidential leadership in foreign and domestic affairs.

PS 352 (3) **Modernization and Political Change.** Prerequisite: PS 238. An analysis of political and social problems associated with modernization in the non-western world. Empirical focus is placed on two or more developing regions.

PS 353 (3) **Government and Politics in Latin America.** Prerequisite: PS 238. An analysis of the political systems of contemporary Latin America, and an examination of the relationship of the political process to social structure and national diversity.

PS 354 (3) **Ethnicity, Ideology and Politics of the New Governments.** Prerequisite: PS 238. An examination of the critical roles of ethnicity and ideology in the politics of the new governments of Eastern European Countries since the collapse of the Soviet Union. The examination of their political process, constitution, and economic arrangements.

PS 355 (3) **Contemporary Eastern Europe.** Prerequisite: PS 135. Comparative analysis of the governments of Russia and the Eastern European Countries since the collapse of the Soviet Union. The examination of their political process, constitution, and economic arrangements.

PS 362 (3) **Politics of Russia.** Prerequisite: PS 235. An analysis of the major trends in Russian policy vis a vis the western industrialized nations, the democratization of the political and economic system.

PS 363 (3) **United States–Russia Relations.** An examination of the origins of the cold war, the struggle for influence in the Third World, efforts toward arms reduction, perestroika and the post cold war.

PS 366 (3) **Principles of Public Administration.** Prerequisite: PS 135. Theory and practice involved in executing and administering governmental policy of the different levels of

American government with special emphasis on the federal level.

PS 368 (3) **Public Personnel Administration.** Prerequisite: PS 371. The process of formulating and administering public personnel policies; concepts and principles utilized in selected governmental personnel systems.

PS 369 (3) **Personnel and Human Relations.** Prerequisite: PS 366. An analysis of the policies, processes, organizations, and interrelationships involved in administration of public service.

PS 370 (3) **Public Planning, Programming and Budgeting.** Prerequisite: PS 371. A survey of governmental financial procedures, including processes of current and capital budgeting, the administration of public borrowing, the techniques of public purchasing, and the machinery of control through pre audit and post audit.

PS 371 (3) **Introduction to Public Administration.** Prerequisite: PS 135. An analysis of the basic principles and practices of public administration in the United States. Problems of structure and organization, administrative powers, authority, status and leadership. Identification of major factors in the struggle to control the bureaucracy.

PS 372 (3) **State Administrative Systems.** Prerequisite: PS 371. An analysis of state administrative systems, their local sub-systems and their outputs.

PS 373 (3) **Municipal Administration.** Prerequisite: PS 366. Municipal administration in the United States; administrative organization, personnel problems, financial problems, financial problems, city planning and housing.

PS 374 (3) **Administration and National and International Agencies.** Prerequisite: PS 371. An examination of the administrative patterns and practices of the United Nations, agencies and overseas department programs, including distinctive characteristics of organization and management selection of personnel and methods of financing.

PS 375 (1-3) **Seminar in Practical Politics.** An analytical approach to the study of practical versus theoretical perspectives of politics emphasizing seminars on current issues and practical involvement in political activities.

PS 376 (3) **LSAT Survey.** An analysis and survey of the mechanics, techniques and content of the Law School Admissions Test.

PS 390 (3) **Internship in Political Science.** Prerequisite: PS 330. Supervised field work with public related agencies. Students receive three (3) semester hours for halftime work for one semester. No student may receive more than a total of

296 \ JACKSON STATE UNIVERSITY

fifteen (15) semester hours in political science from the internship program.

PS 400 (3) General Seminar in Urban Problems. Prerequisite: PS 135. An analysis of the major problems confronting urban centers including housing, crime, drugs, education, health, poverty and transportation.

PS 403 (3) The Middle East Politics. The Arab–Israeli conflict, the peace process and the U.S. role, the gulf war, Islamism and oil politics in the global system.

PS 409 (3) Public Opinion and Voting Behavior. Prerequisites: PS 135. This course will study attitude and opinion formation and the socialization processes in the American Electoral System.

PS 410 (3) Social Legislation (Political Science and Social Work). Prerequisite: PS 135. Description and analysis of laws and court decisions relating to social, economic and legal problems of the poor in American society; examines strategies for helping the poor to overcome poverty.

PS 411 (3) Politics and Education. Prerequisite: PS 135. This course will explicitly attempt to analyze the educational issues being debated within the framework of the American political system.

PS 415 (2) Consumer Law. Prerequisite: PS 431. A study of the law as it affects the rights of creditors and debtors with special emphasis on the problems of the poor.

PS 423 (3) Constitutional Law I. This is the first of a two semester course which will examine the philosophy and constitutional growth of Supreme Court decisions. Emphasis in this portion is on the limitations imposed upon governmental interferences with individual rights.

PS 424 (3) Constitutional Law II. This is the second part of a two semester course which examines the limitations placed upon the federal and state government.

PS 425 (3) Environmental Law. Prerequisite: PS 432. Primary emphasis upon the regulation of air and water pollution at the national, state, and regional levels and the political, social and economic considerations behind these laws.

PS 426 (3) Contemporary Topics. Prerequisites: PS 134 and 337. An in-depth examination of current topics in either law, politics, ethics and/or public policy.

PS 428 (3) Foreign Policy. Prerequisite: PS 135. The examination of the Foreign Policy of the major powers in the International Political System. The focus will be on the foreign

policy of the United States, Russia, China, Japan, and the major countries in Europe.

PS 429 (3) African Governments and Politics. Prerequisite: PS 238. This is a survey course. It will analyze African traditional political institutions, the causes of the demise of those institutions, colonialism, independence, and the past independent governments and politics of African countries.

PS 430 (3) African Political Thought. Prerequisite: PS 429. The role of African intellectuals and leaders in the movement for independence and in the politics and ideology of African states.

PS 431 (3) African in the Global Politics. This course is designed to study and analyze the role of African countries and organizations in the global political system.

PS 432 (3) Introduction to Law I. Prerequisite: PS 135. This is the first part of a two-semester courses which examines the role of law in society. Emphasis is on the nature of law and the variety of legal mechanisms that exist in society.

PS 433 (3) Introduction to Law II. Prerequisite: PS 135. This is the second part of a two-semester course which examines the processes of how law functions to meet the political, social and economic needs of society.

PS 437 (3) International Relations. Prerequisite: PS 428. Nature of international relations, problems of national power, the state system, diplomacy, war and peace.

PS 438 (3) International Organization. Prerequisite: PS 437. Growth of international organization and administration, analysis of the United Nations, with major emphasis on the latter.

PS 440 (3) International Law. Prerequisite: PS 437. Course covers: (1) fundamentals of international law relating to international organizations and international political process; (2) character and rule of international law in the world community, concept of international public interest as it relates to the international law.

PS 444 (3) Politics in Southern Africa. Prerequisite: PS 429. This course is designed to examine the post apartheid South Africa and the role of South Africa's race relations after apartheid. South Africa's relations with the neighboring states, other African countries, the United States and the global community will be analyzed.

PS 446 (3) Scope and Methods. Prerequisite: PS 236. This course is designed to introduce students of political science to critical epistemological and methodological issues, to the

DESCRIPTION OF COURSES / 297

philosophy of science and to the scientific and intellectual issues that characterize major trends in the discipline.

PS 447 (3) Senior Research Seminar in Political Science. Prerequisite: PS 446. This course is designed for students of Political Science. It is an attempt to integrate research methods with the substance of politics. Statistical techniques and illustrative application of the computer will be utilized focusing on political research.

PS 449 (3) Mississippi Legislative Internship Program. Prerequisites: PS 134 and 136. Students become acquainted with legislative functions by working as interns for a legislator during a regular legislative session. Students will observe, participate in the writing of bills, and perform other tasks germane to the operation of the legislature.

PS 450 (3) Urban Politics. This course will examine the concept of community and the political process in a variety of American localities. An examination of the black community with special emphasis upon political problems will be examined.

PS 451 (3) Administrative Law. Prerequisites: PS 423 and 424. This course is designed to examine the law governing the organization, powers, and procedures of administrative bodies. Emphasis is on state and municipal administrative agencies.

PS 453 (3) Independent Study and/or Directed Readings. Prerequisites: Senior standing, 2.00 grade point average in major courses, and consent of instructor (a specialist in the area of study).

PS 455 (3) Community Politics. Prerequisite: PS 400. A study of community politics and theories underlying effective delivery of community services for human welfare, neighborhood organizations and the principle involved in organizing active community groups.

PS 456 (3) Seminar on China. Prerequisite: PS 332. The current political situation in China will be the area of study in an effort to determine the views of the leadership and future probabilities following the change of command and assertion of new leadership.

PS 467 (3) Administration of Health Agencies. Prerequisite: PS 366. Administrative problems associated with the operation of health institutions and the administrator's relations with lay-boards, health specialists, and clientele in public and non-profit institutions.

PS 470 (3) Comparative Public Administration. Prerequisite: PS 371. An introduction to the study of governmental administrative systems viewed from the standpoint of comparative topologies and theoretical schemes useful in cross-

national comparisons and empirical studies of the politics of the administrative process in several nations.

PS 472 (3) Political Socialization. Prerequisites: PS 135 and 446. Study of the primary and secondary socialization of children and adults into political attitudes and roles; examines the hierarchical distribution of authority and channels of recruitment as a means of refining politics and of understanding social change.

PS 473 (3) The American Legislative Process. Prerequisites: PS 135 and 409. Analytical treatment of the law-making functions of the national and state legislatures and their place in the political system. Emphasis on such areas as patterns of recruitment, internal leadership structure and the role of parties.

PS 484 (3) Intergovernmental Relations. Prerequisite: PS 371. Evolution of the American Federal System; consideration of inter-unit cooperation and conflict; review of administrative issues like revenue sharing, federal grants and regulations.

PSYCHOLOGY

Department of Psychology OFFICE: Dollye M. E. Robinson Building

PSY 111 (3) Introduction to Psychology. Fundamental topics and methodology in the scientific study of behavior.

PSY 112 (3) Introduction to Psychology. Prerequisite: PSY 111 or equivalent. A continuation of PSY 111.

PSY 201 (3) General Psychology. A broad survey of the traditional topics in psychology. (Not for psychology majors.)

PSY 211 (3) Statistics I. Prerequisites: PSY 111 or equivalent, 112, and MATH 111 or equivalent. Collection and organization of data; central tendency, variability and correlation; elementary probability theory; basic inferential procedures, including large and small sample tests of differences between two groups and an introduction to the analysis of variance.

PSY 212 (3) Statistics II. Prerequisite: PSY 211. Analysis of variance; non-parametric techniques, selected advanced topics.

PSY 214 (3) Developmental Psychology. Prerequisite: PSY 111 or equivalent, and 112. Genetic background, prenatal development, infancy and childhood, early experience and personality development; adolescence and adulthood; conflicts, roles and adjustment mechanisms.

298 \ JACKSON STATE UNIVERSITY

PSY 216 (3) Abnormal Psychology. Prerequisites: PSY 111 or equivalent, 112, and 214. Historical overview of abnormal psychology; criteria of abnormal behavior; symptomatology and dynamics of psychological disorders; therapeutic considerations.

PSY 304 (3) Child Psychology. Prerequisite: PSY 201 or equivalent. The systematic study of the development and behavior of the human from conception to puberty. (Not for psychology majors.)

PSY 305 (3) Adolescent Psychology. Prerequisite: PSY 201 or equivalent. Influence on development and behavior of the human from puberty to adulthood. (Not for psychology majors.)

PSY 306 (3) Educational Psychology. Prerequisites: PSY 111 or equivalent, and 112. Application of psychological principles of student learning and achievement, teaching methods, and performance assessment.

PSY 307 (3) Measurement and Evaluation. Prerequisites: PSY 111 or equivalent, 112, and MATH 111 or equivalent. An introduction to classroom uses of statistical and testing methods, concentrating on the preparation of educational objectives and the construction and evaluation of teacher-made tests.

PSY 310W (3) Personality. Prerequisites: PSY 111 or equivalent, 112, 214, and junior standing. Biological, learning, social and psychometric-trait approaches with emphasis on methodology and the relation of research findings to theoretical perspectives.

PSY 312 (3) Psychology of Adjustment. Prerequisite: PSY 111 or equivalent, and 112. Socioemotional adjustment and personality; interpersonal and intrapersonal relationships; normal personality development and mechanisms of adjustment.

PSY 314W (3) Social Psychology. Prerequisites: PSY 111 or equivalent, 112, 214, and junior standing. A detailed examination of social behavior from various theoretical viewpoints, with an emphasis on possible causes of and solutions to contemporary social problems.

PSY 315 (3) Physiological Psychology I. Prerequisites: PSY 111 or equivalent, 112, 214; BIO 111, 112, or equivalent; BIOL 111, 112, or equivalent; and junior standing. Physiological mechanisms mediating behavior. The neural and endocrine systems in man and other animals are emphasized.

PSY 320 (3) Behavior Modification. Prerequisites: PSY 111 and 112. An in-depth analysis of principles and procedures use in modifying and controlling behavior.

PSY 411 (3) Learning. Prerequisites: PSY 111 or equivalent, 112, 214, and 315. Classical and instrumental conditioning; aversive control; discrimination and attention; cognitive processes; selected behavioral and neurophysiological models; recent theoretical developments.

PSY 415 (4) Experimental Psychology. Prerequisites: PSY 111 or equivalent, 112, 211, 212 and 214. An overview of experimental psychology emphasizing experimental design, methodology and the use of statistical software for data analysis. Lecture and laboratory.

PSY 416 (3) History and Systems. Prerequisites: PSY 111 or equivalent, 112, 214, and junior standing. A survey of the historical development of psychology, with emphasis on the major contemporary systems of psychology.

PSY 418 (3) Seminar. Prerequisite: Senior standing. Contemporary topics in psychology.

PSY 498 (3) Readings and Research. Prerequisites: PSY 211, 212, and 415C. A research project and/or intensive reading in an area of interest will be undertaken with the consent and supervision of the instructor. A written report will be required.

DEVELOPMENTAL READING

Division of Undergraduate Studies OFFICE: Charles F. Moore Building, First Floor

RE 001 (3) Developmental Reading I. An individualized course for meeting reading needs of students whose entrance scores indicate likelihood of difficulty in doing college work.

RE 002 (3) Developmental Reading II. An individualized course designed for any student deserving to increase speed of reading and to improve study skills.

READING

Department of Elementary and Early Childhood Education OFFICE: Joseph H. Jackson Building

RE 100 (1) Developmental Reading I. An individualized course for meeting reading needs of students whose entrance score indicate likelihood of difficulty in doing college work. (D)

RE 102 (2) Developmental Reading II. An individualized course designed for any student desiring to increase speed of reading and to improve study skills. (D)

RE 200 (2) **Analytical Reading.** Techniques for reading in the scientific areas with emphasis on data interpretation. (D)

RE 201 (1) **Basic Speed Reading.** An individualized course designed for students who desire to increase their speed of reading.

RE 204 (3) **Pre-Reading Skills for Preschoolers and Early Primary Grades.** Students will participate in situations involving reading readiness skills, oral language, concept development, early experiences with children's literature-creative storytelling and the study of management systems. (D)

RE 207 (3) **Basic Skills in Reading.** Designed as an indepth study of the major reading skills. It focuses on the techniques and activities essential in the teaching of these skills. (D)

RE 209 (3) **Introduction to Reading.** This course is designed to introduce factors related to word attack, word recognition, vocabulary development, comprehension skills, study skills and reading speed. Emphasis is placed on terminology that is basic to the understanding of the reading process. (D)

RE 210 (3) **Preparing Children for Formal Reading.** A study of language and cognitive development of the learner from K-grade three and identification of activities that will assist this development in preparing them for formal reading instruction. (F, S)

RE 211 (3) **Techniques and Strategies for Teaching Reading for Paraprofessionals.** Emphasis is placed on routine classroom tasks in the teaching, learning process, and readiness procedures for the elementary and secondary levels. (D)

RE 212 (3) **Using Literature to Teach Reading Skills.** A thorough study integrating the teaching of reading skills through literary selections. Special emphasis will be placed on vocabulary and comprehension skills and concepts that are applicable to the teaching and learning of literary content. (D)

RE 310 (3) **Teaching Reading in Content Areas.** A thorough study of techniques for promoting reading growth through teaching content materials. (F, S, Sum)

RE 311 (3) **Strategies and Techniques for Teaching Reading in the Elementary School.** This course is designed to introduce strategies and techniques for teaching reading in the elementary school, and to provide theoretical knowledge and principles appropriate to the teaching of reading. Special emphasis will be placed on suitable materials and equipment for enhancing reading skills. Focus will also be given to assessment, exceptionality and multi-cultural education relative to the teaching of reading.

RE 402 (3) **Workshop: Current Problems and Issues in Reading Instructions.** Designed to meet the needs of teachers, students, administrators, and community leaders who have special interests in selected areas of reading. Content developed around needs of specific groups. (D)

RE 455 (3) **Diagnostic Reading Instruction in the Secondary School.** This course is designed to assist students in utilizing a diagnostic/prescriptive model in determining the unique needs of students' specific teaching strategies and techniques, approaches, and materials useful in acquiring and/or maintaining essential reading skills needed for concept attainment in content areas in the secondary school classroom.

RECREATION

Department of Health, Physical Education and Recreation OFFICE: T.B. Ellis Physical Education Complex

REC 104 (3) **Introduction to Recreation.** This course presents an orientation to the field of organized recreation in terms of its history, philosophy, and development, and the contribution of organized recreation to the leisure and play movement, to the school and community. (F)

REC 205 (3) **Cultural and Recreation Program Planning.** The course is designed to provide students a variety of experiences in the development of cultural and recreational opportunities and events for a multicultural society. (F)

REC 218 (3) **History and Philosophy of Recreation.** This course provides a thorough investigation of the philosophical basis for recreation, history, events, landmark legislation and the formation of the profession.

REC 225 (1) **Practicum in Recreation Administration.** Recreation administration experiences will be obtained for students during the fall semester at local recreation administration agencies institutions. Students will have opportunities to gain experience as an observer in program planning principles and procedures. (F)

REC 305 (3) **Facilities, Design and Maintenance.** This course provides various learning experiences in facility, equipment, and areas designed uniquely for recreation. Consideration will be given to new trends in building and park designs. Equipment purchase and development will also be discussed. (S)

REC 307 (3) **Recreation Leadership.** The content of the course is designed to teach various methods and techniques utilized in developing competent recreation leaders. Students

300 \ JACKSON STATE UNIVERSITY

will have experiences in conducting recreational programs for all ages. (F)

REC 308 (3) Camp Counseling and Programming. The course is designed to offer experiences in organized camping techniques; individual and group counseling skills as well as programming procedures which include out-door cookery, camp, crafts, dramatics, nature study, and other camping activities. (S)

REC 317 (3) Urban and Community Recreation. This course is a study of the various aspects, problems and practices of recreational agencies in urban areas. Students will be afforded experiences in the organization of street groups, family projects, commercial groups, and neighborhood schools. (S)

REC 325 (1) Practicum in Recreation Administration. Experiences in recreation administration will be obtained by students at local recreation administration agencies that have viable programs. Students will gain experiences in initiating leadership and programming techniques. (S)

REC 350 (3) Introduction to Leisure Education. Introduces students to the concept of leisure, fundamental and critical trends, and future perspectives vital for growth and development of leisure attitudes.

REC 404 (3) Recreation Program Design. This course entails a study of various aspects, problems and practices of agencies, governmental, and private programs and their planning with particular emphasis on playground, community and teen center plans and procedures. (S)

REC 405 (2) Outdoor Recreation Programming. Emphasis of this course is placed on the philosophy, scope, and trends in outdoor recreation. It includes planning, administering, programming, and evaluating various outdoor recreation programs. (S)

REC 406 (3) Legal Issues in Recreation. This course provides a legal structure by which students can best learn liability, legal and risk management principles, and understand and develop professional ethics.

REC 415 (3) Current Issues and Trends in Recreation. This course focuses on critical issues and trends surrounding the professional practice of recreation, leisure, play, and recreation administration and the challenges for future growth and development. This course will also focus on leisure style development, resource allocation and decision making for a constantly changing society.

REC 418 (3) Principles, Practices, and Procedures in Recreation. This course provides an overview of service

delivery, practice, guidelines, theories, facilitation techniques and evaluation of the recreation and leisure process.

REC 421 (3) Management in Recreation. This course is a study of principles, methods, techniques, organizational patterns, personnel, public relations and administrative problems involved in the management of recreation, leisure and park programs. This course of study includes finance and budget, the art of human relations, communication, problem solving skills and techniques.

REC 423 (3) Research and Evaluation in Recreation. Emphasis is placed on the principles and techniques of research and evaluation in therapeutic recreation to the organization, administration, and objectives of viable therapeutic recreation programs. (Sum)

REC 424 (3) Seminar in Recreation Administration. This course will emphasize review of current recreation administrative literature; completing abstracts, budget planning, community relations and annotated bibliographies; role playing, situation resolution and site visits. Students will be expected to take a major leadership role in the course. (F, S)

REC 425 (9) Recreation Internship. Emphasis is placed on supervised leadership assignments in public or private agencies with emphasis on a variety of recreation leadership experiences common to such organization programs. Students will have the responsibility of planning, implementing and evaluating a special program during internship. (F, S)

GENERAL SCIENCE

Department of Physics, Atmospheric Sciences and Geoscience OFFICE: Just Hall of Science Building

SCI 201 (3) Physical Science. A study of the universe and natural events in the environment.

SCI 202 (3) Physical Science. A study of the changes in matter and energy which leads to the utilization of energy and material resources for man's benefit.

SCI 204 (3) General Science for Teachers. Topics in astronomy, biology, chemistry, geology and physics are studied. Laboratory work provides for experiments and projects.

SCI 205 (3) Earth and Space Science. A geophysical study of the earth with emphasis on the major scientific discoveries about the earth and its relation to the universe.

DESCRIPTION OF COURSES / 301

SCI 206 (3) Elementary Geology. The course is designed to give a basic understanding of the origin and classification of rocks and materials in the geologic process that alter the earth's surface.

SCI 215 (3) Global Change. This course introduces a new concept that views Earth as a synergistic physical system of interrelated phenomenon governed by complex processes involving the atmosphere, the hydrosphere, the biosphere, and the solid Earth. The course emphasizes that events which shape the physical, chemical, and biological processes of the Earth do not occur in isolation. Rather, there is a delicate relationship between events that occur in the ocean, atmosphere and the solid Earth. The course provides a multidimensional approach in solving scientific issues related to Earth-related sciences, namely geology, meteorology, oceanography, and ecology.

SCI 228 (3) Science Technology and Environment. An overview of contemporary topics in science technology and environment.

SCI 310 (3) Earth History. Prerequisite: SCI 205. This course covers major events that have shaped the Earth during the past 4.6 billion years. Physical, chemical, and biological characteristics of Precambrian, Paleozoic, Mesozoic, and Cenozoic intervals are discussed. Important topics include the evolution of continents, origin of mountain ranges, evolution of oceans, sea-level fluctuations, variation in seawater chemistry, evolution of atmospheric gases, and major deformation events. In the laboratory portion of the course, students are familiarized with major fossil groups and geological maps.

SCI 312 (3) Innovative Approaches in Science Teaching. This course is designed to introduce pre-service science teachers to new and alternative instructional materials for science teaching. Emphasis is placed on analyzing, comparing, and contrasting these materials with implications for science teaching.

SCI 320 (3) Sedimentary Environments. Prerequisites: SCI 205 and 310. Sedimentary environments are areas where sediments accumulate. These include deserts, lakes, rivers, deltas, marshes, beaches, lagoons, shallow sea, and deep sea. This course discusses sediment types, hydrodynamics, and stratal packages of each of these environments. Fundamental knowledge about physical processes that operate in these areas is conveyed. Special attention is paid to sedimentary rock types and structures. Students are expected to be able to recognize and interpret the record left behind by these environments in the geological record. In the laboratory portion of the course, students are familiarized with grain size analysis, sedimentary structures, stratigraphic analysis, and depositional environments.

SCI 325 (3) Mineralogy-Petrology. Prerequisites: SCI 205 and 310. This course is designed to familiarize students with characteristics of the Earth's materials. This is accomplished by a detailed analysis of minerals and rocks through microscopic examinations. The course begins with an overview of the nature of light. This is followed by a discussion of the response of minerals to the passage of light. Then, microscopic properties of major mineral groups are presented. After these, mineralogical and petrological characteristics of igneous rocks, sedimentary rocks, and metamorphic rocks are evaluated. In the lab segment of the course, students learn to examine microscopic properties of minerals and learn to identify major rock groups through petrographic examinations.

SCI 401S (3) Science in the Secondary School. Prerequisite: Junior standing. Consideration is given to helping the student organize curriculum materials and gain proficiency in presenting science to high school students.

SCI 403 (3) Seminar in Science. Prerequisite: Senior standing. Provides an opportunity for the student to discuss the most pertinent trends in the fields of science.

SCI 410 (3) Oceanography. Prerequisites: SCI 205, and 310. This course is designed to familiarize students with major characteristics of the oceans. Students learn about ocean physiography, seawater composition, ocean circulation, evolution of seawater through time, marine life, and ocean management. Particular emphasis is placed on major and rapid perturbation on the chemistry of seawater and ocean circulation. Additionally, ocean-atmospheric interactions are emphasized.

SCI 410E (3) Science for Children. Prerequisite: Junior standing. Designed to familiarize students with materials, techniques and unifying principles of science with laboratory exercises emphasized.

SCI 410S (3) Method and Curriculum Materials for the Science Classroom. Curriculum materials designed to train the students in the selection, preparation and use of curriculum materials in the teaching of science at the secondary level.

SCI 415 (2) Geochemistry. Prerequisites: CHEM 141, 142, and SCI 205. This course discusses basic geochemical principles as applied to Earth Science. First, an overview of thermodynamic principles is presented. Then, geochemical aspects of the most common reactions of the atmosphere, rivers, lakes, estuaries, and oceans are evaluated. Other important issues that are discussed include geochemical reactions which occur during weathering, early diagenesis, burial diagenesis, and formation ore deposits. A dedicated geochemical laboratory is also associated with the class where students learn to calculate mineral solubility and perform simple experiments.

SCI 420 (3) **Structural Geology**. Prerequisites: SCI 205, and 310. This course familiarizes students with changes that occur in Earth's materials collectively referred to as deformation. The course is designed to present deformation of rocks at a scale ranging from microscopic to continent-wide regions. The course begins with the introduction of stress, strain, force, and factors controlling rock behavior including an analysis of mechanical behavior of rocks. This is followed by a discussion of folds, normal faults, thrust faults, strike-slip faults, joints, lineation, and foliation. In the laboratory portion of the course, students learn basic elements of structural geology, work with Brunton compasses, prepare structural cross sections, and apply graphical solutions to solve structural problems.

SCI 425 (2) **Environmental Geology**. Prerequisites: SCI 205, and 310. The aim of this course is to provide basic and fundamental information about processes which affects the environment. The course begins with elementary background on some important concepts of Earth Science including overviews and rocks and minerals, global tectonics, earthquakes, and volcanoes. This is followed by discussions of environmental issues produced by flooding, hurricanes, groundwater pollution, waste management, fossil fuel, climate change, global warming, and sea-level change. In the lab section of this course, students conduct hands-on projects related to our environmental projects in an urban setting.

SCI 430 (3) **GIS/RS (Geographic Information Systems/Remote Sensing)**. Fundamental concepts of remote sensing, including airborne and spaceborne platforms for collecting data, analysis and integration into GIS, are introduced in this course. Techniques in remotely identifying various earth features and their changes are taught. Students are also introduced to digital manipulation and analysis techniques used by today's remote sensing technicians.

SCI 432 (3) **Hydrology**. Prerequisites: SCI 205, and 310. This course is designed to provide students fundamental information about fresh water on Earth. As the human population increases, so does our need for drinking water. The course provides an analysis of surface and groundwater reservoirs. An analysis of drainage basin characteristics is presented. Darcy's Law is presented in detail. Aquifer and aquitard characteristics are covered. Water chemistry, groundwater resource evaluation, and water quality are presented.

SCI 440 (3) **Environments of Africa**. Prerequisites: SCI 205, and SCIL 205. This course explores the interrelationships between geology, hydrology, and natural resources as they affect several areas of Africa. Focus is placed on supra-Saharan regions of the continent. Specific topics include the Nile River (i.e., sources of the Nile, effects of damming the Nile), the Sahara and Sahel regions (i.e., climate change, water resources), and the politics of water and petroleum resource exploration.

SCI 441 (3) **Environmental Health in Africa**. Prerequisite: SCI 205. This course investigates Africa's physical and natural environments. It promotes the concept that Africa's natural environments are connected with health issues across the continent. The term "health" refers to humans and/or ecosystems. Each topic begins with a scientific investigation into climate, water systems, and meteorological events. Discussions are held on physical conditions that may trigger environmental risks for humans and the environment.

SCI 480 (1) **Earth Science Seminar**. Prerequisites: SCI 205, 310, and 430. This course is designed to familiarize students with major topics in Earth Science. Students conduct research and prepare presentations. Topics covered include plate tectonics, mountain building, mass extinction, meteoric impact, carbon cycle, ocean circulation, ocean chemistry, climate change, global warming, coastal land loss, groundwater contamination, and major environmental issues.

DRIVERS EDUCATION

Department of Health, Physical Education and Recreation
OFFICE: T.B. Ellis Physical Education Complex

SE 300 (3) **Beginning Drivers Education**. This course is designed to develop students who have a working knowledge of motor vehicle operations and laws and to develop within each student a sense of personal responsibility for the safe operation of motor vehicles. (F, S, Sum)

SE 340 (3) **Introduction to Drivers Education**. This course emphasizes techniques and materials that are used in teaching the basic driving skills needed to use the highway systems. (F, Sum)

SE 410 (3) **Safety Education**. This course involves the study of objectives, policies, procedures, supervisory techniques, and accident prevention techniques. Laboratory assignments are given. (S)

SE 411 (3) **Methods in Driver and Safety Education**. Prerequisite: SE 340. This course is principally designed for organization, teaching, administration, and supervision of traffic safety programs. The place of simulators is discussed. (F)

SOCIOLOGY PROGRAM

Department of Criminal Justice and Sociology
OFFICE: Dollye M. E. Robinson Building, Room #313

DESCRIPTION OF COURSES / 303

SOC 214 (3) **Introduction to Sociology.** An introduction to the basic concepts and generalizations in the field of sociology and a descriptive study of culture, societal processes, social institutions, and the significance of group behavior. (F, S, Sum)

SOC 216 (3) **Modern Social Problems.** A brief survey of some of the social problems prevalent in contemporary America. Attention will be given to their nature, type, causes, and collective action toward them. (S, Sum)

SOC 301 (3) **Community Organization.** A study of the historical evaluation of community organizations, methods of securing community support, the ecological characteristics, the social processes and interactional patterns. Attention is given to agency organization and functions. Student participation in organizational practices and professional supervision. (D)

SOC 302 (3) **Basic Issues in Mental Health.** This course will examine basic issues in the mental health service delivery system. Emphasis will be placed upon clients rights, mental health laws, goals of mental health systems, and areas of specialization. Students will study selected interdisciplinary literature as related to: (a) the psychosocial and historical context of mental illness and community mental health services, (b) problems and needs of target populations, and (c) implications for health practice. (D)

SOC 310 (3) **Introduction to Alcohol and Drugs.** Encompasses factual and scientific information on alcohol and drug use, misuse and non-use. The physiological, psychological and social manifestations of the use of mind altering substances will be explored. (F)

SOC 318 (3) **Women in Contemporary American Society.** To examine the interrelationship of sex-role stereotypes and the translation of sex-roles into social institutions. It will provide a description and an analysis of the experiences of women in social and individual roles—the social structure and social institution which both serve and are served by the differential treatment of the female/male roles. (D)

SOC 320 (3) **Counseling the Chemically Dependent.** Explores the philosophy and principles of the helping relationship including the theoretical orientation to counseling, techniques of counseling, counseling approaches and overview of counseling theories and techniques. (D)

SOC 321 (3) **Personality and Culture.** This course is designed to study the role of culture in the development of personality and the range of personal adjustments in the light of cultural variability. (D)

SOC 322 (2) **Alcohol/Drug Seminar.** This course focuses attention on basic alcohol content and exposure to the state-of-the-art alcohol/drug research. (S)

SOC 323 (3) **Introduction to Anthropology.** An introduction to basic anthropological concepts and a descriptive and analytical study of selected cultural traits, patterns and themes found among contemporary preliterate culture groups, with emphasis focused on cultural similarities and differences. (D)

SOC 324 (3) **Social Psychology of Women.** Will be designed to offer insight into the socialization process of women. It is to pursue the process of adaptation, which starts at birth and continues for a considerable period in the life of the individuals. It will also focus on stress techniques used by women in every day life. (D)

SOC 325 (3) **Cultural Anthropology.** An introduction to basic anthropological concepts and a descriptive and analytical study of selected cultural traits, patterns and theme found among contemporary preliterate folk, and literate culture groups, with emphasis focused on cultural similarities and differences. (F)

SOC 326 (3) **Social Psychology.** A study of processes of interrelationships and of stimuli as they affect individual and group reactions and behavior such as fashions and social movements. (F, S)

SOC 327 (3) **Social Stratification.** An analysis of American social structure. Topics to be considered include criteria for differentiation, types of stratification, the composition of strata and status systems, mobility and consequences of stratification. (D)

SOC 328 (3) **Urban Sociology.** Special attention is given to types of cities. Consideration is given also to the rise of urbanism, suburbanism, the culture of cities, segregated ethnic areas, community and neighborhood organization and disorganization. (D)

SOC 329 (3) **Social Change.** Concern with the basic principles and theories of social change, trends in the major societal institutions, e.g., family, government, religion, economics, and education, special emphasis on the roles that technology and invention play as factors in social change. (F, S)

SOC 330 (3) **Urban and Rural Transportation Concepts.** Sociological implications of urban-rural transportation network systems interfacing with the ecological, social political and other established social institutions in America. (D)

SOC 331 (3) **Marriage and the Family.** Prerequisite: Junior standing. The marriage-family system, a critical approach to the study of courtship, marriage and the family modern functions, characteristics, and maladjustments. (F, S)

304 \ JACKSON STATE UNIVERSITY

SOC 332 (3) **Rural Sociology.** The characteristics of agricultural communities in the United States. A comparative analysis of rural America prior to World War I and World War II emphasizing specific problems of Black Americans. (D)

SOC 333 (3) **Criminology.** Prerequisite: Junior standing. Theories of the genesis of criminal behavior in terms of the person and the group; theories of crime and punishment. (F)

SOC 334 (3) **Sociology of Deviant Behavior.** Review of sociological perspective used in the study of deviance and deviants. Examines societal reactions to deviance and consequences for people defined as deviant. Analysis of selected forms of deviance, such as mental illness, eating disorders, drug and alcohol abuses and sex workers. (D)

SOC 420 (3) **Black Female and the Family.** To enhance the existing interrelated concepts of the family and women studies. It will offer a descriptive account of how women have, and still are, a significant force in implementing the major functions of the family which include: replacement of the species, e.g., nurturing its offsprings, initial status ascriptions tension management, household maintenance, cultural transmission, and informal education. Special attention will be given to black women heads of household with a relationship or the lack of a relationship to a "culture of poverty thesis." (S)

SOC 427 (3) **Urban Anthropology.** Prerequisite: Senior standing. Special focus on the problems of rural-urban migration of ethnic minority groups and subsequent adaptation of them within the United States explored in terms of methods and perspective of anthropology. (D)

SOC 428 (3) **Seminar in Urban Social Problems.** A critical examination of contemporary social issues which have produced unrest in the cities. Emphasis will be upon urban problems in Mississippi. The topics to be studied will include poverty, housing, racism, riots, power structure, educational problems, and the community organizing. (D)

SOC 430 (3) **Family Treatment.** This course will deal with the utilization of social work intervention techniques necessary in working with the family as a unit. Emphasis is placed on services to the family in crisis. (D)

SOC 433 (3) **Laboratory/Research Center-Based Internship.** During the three-month internship attention will be given to research conceptualization, implementation, design, data collection and analytical procedures. (D)

SOC 442 (3) **Collective Behavior and Social Movements.** Conditions giving rise to crowds, mobs, riots, and social unrest. Natural history of reform and revolutionary movements, referring to public opinion, propaganda, tactics, strategy, and

leadership. Sectarian movements, general social movements. Emergence of the mass society in the United States. (D)

SOC 443 (3) **Population and its Problems.** Prerequisite: Senior standing. A systematic investigation of the qualitative and mobile aspects of the human composition of the various nations. Special attention is given to the United States and those areas experiencing population pressure. (D)

SOC 445W (3) **Methods of Social Research.** Prerequisite: Junior standing. Consideration is given to the essential tools of sociological research; field work is given to the student to orient him/her in collecting, presenting, analyzing, and interpreting sociological data. (S)

SOC 446 (3) **Development of Social Theory.** Prerequisite: Senior standing. A comparative and historical survey of a basis concepts and theories in sociology, a critical analysis of trends in theory construction of early European and American pioneers in sociological theories from Comte through Weber. (S)

SOC 447 (3) **Sociology of the Family.** A sociological analysis of the development of the modern family, its structure, its interrelationships in society, and its sociological functions. (D)

SOC 448 (3) **Comparative Family Systems.** Prerequisite: Senior standing. A study of family structures, kinship patterns, social relationships, comparative functions and variations in the family organization in selected culture. (D)

SOC 451 (3) **Social Statistics.** Prerequisite: Senior standing. Basic methods of presenting, analyzing and interpreting social data through statistical methods with concentration on statistical series, frequency distributions, normal curve, measures of central tendency, dispersion, variability, correlation, and such analysis of variance as chi-square. (F, S)

SOC 453 (3) **Women and Employment: Selected Topics of Concern.** Will be both academic and research oriented. It will cover such issues as: how women combine the work role with other major roles, the matching of workers to jobs including both women's own career decision and organizational process of placement, and the problems and rewards associated with non-traditional occupations. (D)

SOC 455 (3) **Race and Ethnic Relations.** A description and analysis of the race and ethnic characteristics of groups within the United States, with special emphasis on patterns of racial and ethnic relationship and factors influencing them. (F, S)

SOC 458 (3) **Group Dynamics.** Emergence of social organization from unorganized collect behavior. Conditions giving rise to crowds, mobs, riots, panic, social unrest. Attention to dynamics of small group behavior, patterns of leadership, and formation of public opinion. (D)

SOC 460 (3) Honors Independent Reading and Research. Prerequisites: Cumulative grade point average of 3.0 and 3.3 in all sociological courses and permission of instructor. Emphasis will be focused on giving highly individualized guidance to the student interested in exploring in depth a selected independent reading or research area in sociology for either one or two semesters. (D)

SOC 470 (3) Seminar in Sociology. Prerequisites: Senior standing and completion all required sociology courses through the First Semester, Senior year with a minimum of 2.00 average and a grade of "C" or better in all sociology courses. Critical analysis of research papers presented by the students. Methods of finding and organizing source and secondary materials. (S)

SOC 490 (3) Special Topics in Sociology. Varying advanced topics selected by the instructor for study in depth. May be repeated for a maximum of nine hours provided registrations cover different topics, Topics announced in advance. (D)

SPANISH

Department of English and Modern Foreign Languages OFFICE: Dollye M. E. Robinson Building

SP 101-102 (3, 3) Elementary Spanish. An introduction of Spanish. Essentials of the language. Training in the four skills of listening, speaking, reading, and writing in the Spanish language. May not be taken by native speakers.

SP 201 (3) Intermediate Spanish. Prerequisites: SP 101, 102 or equivalent. Review of essentials. Reading of appropriate texts and analysis and discussion emphasizing content and grammar. Conducted mainly in Spanish. May not be taken by native speakers. May be used to satisfy 3rd or 4th semester department requirement.

SP 202 (3) Intermediate Spanish. Prerequisites: SP 101, 102, 201, or equivalent. Continuation of SP 201. May not be taken by native speakers. May be used to satisfy the 4th semester departmental requirement.

SP 230 (3) Spanish Civilization Studies. Emphasizes Spanish Peninsular History, Philosophy, Sociology, Politics, Cultural and Social Institutions, and to a limited degree, Literature. Taught in English and open to the general student body. Required of majors.

SP 231 (3) Spanish-American Civilizational Studies. Emphasizes Spanish American History, Philosophy, Sociology, Politics, Cultural and Social Institutions, and to a limited degree, Literature. Taught in English and open to the general student body. Required of majors.

SP 254 (3) Spanish for Businessmen.

SP 311 (3) Survey of Spanish Literature. Prerequisites: SP 201 and 202. A general outline course in the history of Spanish Literature up to the Seventeenth Century. Lectures, readings, oral and written reports.

SP 312 (3) Survey of Spanish Literature. Prerequisites: SP 201 and 202. A general outline of the history of the literature of the Eighteenth and Nineteenth Centuries and a study of the most significant aspects of modern and contemporary literature in Spain.

SP 313 (3) Landmarks of Peninsular Spanish Literature. Prerequisites: SP 230, 231 or the equivalent. A course in which peninsular Spanish masterpieces will be studied in order to familiarize the students with these works, plots, characters, and literary and cultural importance.

SP 315, 316 (3) (3) Introduction to Spanish-American Literature. Prerequisites: SP 230 and 231. A general survey of the main currents in Spanish-American Literature from the Colonial Period through the Contemporary Period.

SP 317 (3) Landmarks of Spanish American Literature. Prerequisites: SP 230, 231 or the equivalent. A course in which Spanish American masterpieces will be studied in order to familiarize the students with these works, plots, characters, and literary and cultural importance.

SP 321 (3) Conversation and Composition. Prerequisites: any 6 hours of Intermediate options or equivalents. Practice in idiomatic Spanish Composition, conversations and discussions on current events. May not be taken by native speakers.

SP 322 (3) Conversation and Composition. Prerequisite: SP 321. A continuation of SP 321. May not be taken by native speakers.

SP 401S (3) Methods of Teaching Modern Foreign Languages. A course designed to treat the principles, problems and materials involved in the teaching of Spanish and other modern languages on the secondary level. Required of foreign language majors with senior standing who follow the teaching program.

SP 421, 422 (3) (3) Advanced Topics for Conversation. Prerequisites: SP 321, 322 or equivalent. Intensive practice in oral Spanish using topics of culture, civilization, politics, and economics of the Spanish-speaking world. May not be taken by native speakers.

SP 425 (3) Advanced Spanish Grammar. Prerequisites: Any 6 hours of Intermediate options or equivalent. Special aspects and problems of Spanish grammar. Development of written

306 \ JACKSON STATE UNIVERSITY

skills through grammatical and stylistic drills; guided and original compositions. Individual corrections.

SP 430, 431 (3) (3) **History of Spanish Civilization.**

Prerequisites: SP 230 and 231. An outline study of the physical, racial, historical, and artistic influences which have molded the culture of Spain. Lectures, readings, oral and written reports.

SP 441 (3) **Siglo de Oro.** Prerequisites: SP 311 and 312. A detailed study of the Golden Age. Lectures, readings, oral and written reports.

SP 443 (3) **Cervantes.** Prerequisites: SP 311 and 312. A study of the life and works of Miguel de Cervantes, with special attention to "Don Quijote de la Mancha" as a masterpiece of world literature. Lectures, readings, oral and written reports.

SP 445 (3) **The Spanish Theater.** Prerequisites: 311 and 312. A study of the development of the theater in Spain. Lectures, readings, oral and written reports.

SP 447 (3) **The Regional Novel.** Prerequisite: SP 311 and 312. A study of the Spanish novel of the Nineteenth Century. Lectures, readings, oral and written reports.

SP 449 (3) **Twentieth Century Spanish Literature.** Prerequisites: SP 311 and 312. New currents in the prose and poetry of the Twentieth Century. Lectures, readings, oral and written reports.

SP 451 (3) **Spanish-American Novel.** Prerequisite: SP 231. A study of the contemporary Spanish-American Novel. Lectures, readings, oral and written reports.

SP 464, 465 (3) (3) **Honors Courses in Spanish.** Prerequisites: Departmental approval and a 3.00 average in Spanish. Topics vary yearly, depending on needs and desires of students.

SP 480 (3) **Independent Study.** Prerequisites: Departmental approval. Special reading assignments, investigative paper or research project in a specific area of Spanish-American literature, philosophy or culture directed by a specialist in that area.

SP 499 (3) **Senior Seminar.** Prerequisites: Departmental approval and senior status. The primary purpose of this course is to interrelate all areas covered in Spanish during the first three years of study of the language, literature and culture.

SPEECH COMMUNICATION STUDIES

Department of Speech Communication

OFFICE: Rose McCoy Auditorium

SPCH 201 (3) **Speech Arts.** A discussion, demonstration, and performance based course designed for the non-speech major. It aims to develop the student's ability to speak fluently with confidence and poise with another individual, in the group setting, and before an audience. A University core course.

SPCH 214 (3) **Interpersonal Communication.** A course designed to analyze communication from one to several persons. It offers opportunities to engage in face-to-face interactions through interviews, conversations, etc.

SPCH 215 (3) **Training the Speaking Voice.** A course designed to improve vocal conditions for speech purposes in general, and for the classroom teaching situation in particular. It deals primarily with the basic elements of voice and diction, articulation, pronunciation and development of vocal skills.

SPCH 216 (3) **Public Speaking.** An intensified study of and training in speech composition and techniques of delivery. Basic and special types of speeches are considered.

SPCH 217 (3) **Oral Interpretation.** A course designed to help students analyze, experience, and orally communicate various types of literature.

SPCH 300 (3) **Introduction to Organizational Communication.** A course designed to study the key variables influencing the communication behavior of people in organizations and those variables most affected by that behavior. The organization as a living open-system connected by the flow of information between and among people who occupy various roles and positions will be examined.

SPCH 334 (3) **Argumentation and Debate.** An application of logical principles to discourse in order to develop cogency and standards for criticism. Attention is given to analysis, evidence, straight thinking, methods of attack and defense, organization of ideas, preparation of briefs, and the techniques of delivery in debating.

SPCH 335 (3) **Persuasion.** A course designed to give both theoretical knowledge and practical skill in recognizing and applying the various techniques of influence.

SPCH 416 (3) **Rhetorical Criticism.** Prerequisite: SPCH 337 or consent of instructor. A examination of rhetorical methods and artifacts for the purpose of understanding various

DESCRIPTION OF COURSES / 307

communication situations and the rhetoric of social reality set forth by rhetors and rhetorical communities.

SPCH 430 (3) Small Group Discussion. A course designed to teach the student skills for effective communication in group settings such as panel, symposium, and forum. Deals specifically with group cohesion in topic understanding and problem solution.

SPCH 435 (3) Directing Forensics. A course designed to study the theories and techniques involved in organizing interscholastic and intrascholastic speech activities. Attention is given to the directing of debate, oral interpretation and oratory taught by teachers and coaches on the high school and/or college level.

SPCH 499 (3) Seminar in Communication. Prerequisites: Senior standing and consent of instructor. This course will provide the student in speech with intensive reading in and critical discussion of literature on advanced topics, with particular attention to interaction processes characterizing speech communication. The student will design, perform and report original research on speech communication variables.

Speech Communication Studies:

SPCH 218 (3) Listening. The course aims to explain causes and nature of poor listening; to foster self insight into personal listening habits and to initiate a method of training to improve listening behavior.

SPCH 337 (3) Communication Theory. A detailed analysis of the process of communication. Methods and models of communication will be studied in-depth to understand theories that guide criticism, interpretation and validation of the process and effects of communication, oral and written, in all sectors of life.

SPCH 338 (3) Nonverbal Communication. The course will explore the functions of communication in such areas as posture, gesture, facial expressions, voice, touching, clothing, proxemics and environment as they impact on the process of communication.

SPCH 339 (3) Intercultural Communication. A course designed to analyze the nature of intercultural communication and its importance to the survival of humanity and society.

SPCH 431 (3) Political Communication. This course focuses on the communication process in politics through political campaigning as a specialized approach to mass persuasion.

SPCH 496 (3) History and Development of Black Protest Oratory. Students will identify and analyze (1) the basic

historical periods in African-American history, (2) persuasive elements within selected protest orations, and (3) rhetorical strategies and tactics used to accomplish persuasive goals.

SPCH 497 (3) Communication Project. The student will design a research project as an outgrowth of knowledge learned or skills acquired. The nature of the project will vary depending upon student interest but may include attitudinal studies, program effectiveness studies, and student-teacher departmental relationships.

SPCH 498 (3) Communication Internship. The student will spend a semester in an actual job setting utilizing knowledge learned or skills acquired. The nature of the work may vary depending upon the particular placement, but may include speech writing, public relations, and research.

SPECIAL EDUCATION

Department of Special Education OFFICE: Joseph H. Jackson Building

SPED 304 (3) Organizational Procedures for Special Education. A study of organizational structures, programmatic procedures, policies, resources, and guidelines essential to the delivery of educational services for exceptional children.

SPED 306W (3) Introduction to Disabilities Studies. This course is a study of classifications, characteristics, and interactions of biological, emotional and social factors concerning the disabled. It will also emphasize programs and practices for the disabled in non-traditional settings.

SPED 307 (3) Behavioral Management for Exceptional Children. Emphasis will be placed on current techniques, educational strategies and tools that will aid the teacher in understanding and handling behavior problems in the classroom.

SPED 311 (3) Exceptional Children and Youth in the Schools. A study of definitions, classifications, characteristics, educational programs and problems of exceptional children.

SPED 315W (3) Assessment and Individualized Programming for 7-12. Introduction and orientation to the diagnosis, appraisal and programming of exceptional persons at the secondary level.

SPED 339 (3) Vocational/Career Planning for Exceptional Adolescents. This course is an investigation of strategies for developing vocational/career education and employment opportunities for students with disabilities.

308 \ JACKSON STATE UNIVERSITY

SPED 367 (3) Introduction to the Hearing Impaired. Focuses on causes of hearing impairment, educational facilities, the methods, controversy, and family adjustment which are necessary in order to fully understand the hearing impaired child.

SPED 368 (3) Family and Community Resources. An exploration of locating and utilizing community resources in helping persons with disabilities and their families.

SPED 369 (3) Strategies for Managing Violent and Aggressive Behaviors. This course emphasizes prevention and crisis management models, verbal interaction and personal safety skills applicable with verbally aggressive and physically violent behavior.

SPED 400 (3) Medical Aspects of Disabilities. This course is a study of definitions, classifications, characteristics, evaluations, diagnosis, and treatments of medical conditions of children or youth with exceptionalities.

SPED 402A (12) Clinical Internship in Student Teaching. This course is a continuation of the practical learning experiences engaged in during the EDCI 302 course, but in a more intensified and concrete manner. These experiences occur in an off-campus school and community situations for twelve weeks where opportunity is given to the student teacher to test theories of teaching and learning, to initiate and test idea with children. With guidance and supervision, the student teacher is also given the opportunity to develop the ability, initiative and responsibility for planning, guiding and evaluating the total program of the children with whom he/she is working.

SPED 402B (12) Clinical Internship in Disabilities Studies. Placement of Seniors who have completed SPED 306, 307, 339, 368, 369, 400, 403, 466, 467, 480W, 482, and 499, with agencies where they can get on-the-job experiences in non-teaching settings.

SPED 403 (3) Teaching the Severely and Profoundly Handicapped. Provides students with the skills and understanding needed to teach severely/profoundly handicapped students; program needs, services, and an overview of the role of severely and profoundly handicapped person within society.

SPED 420 (3) Introduction to Assistive Technology. This course provides hands-on demonstration of technology and software that facilitates new ways of teaching and learning for individuals with disabilities.

SPED 422 (3) Education and the Psychology of the Mildly/Moderately Handicapped. This course is an overview of the three traditional handicapped groups: learning disabled, mildly (educable) mentally retarded, and mildly behaviorally disordered.

SPED 428W (3) Educational Assessment. Investigation of instruments and procedures in assessing exceptional children; their interpretation, usefulness, and limitation in diagnosing problems and planning educational programs.

SPED 430 (3) Education and Psychology of the Mentally Retarded. Deals with the medical and behavioral classifications, characteristics, interaction of biological, emotional and social factors, educational philosophy, objectives and programs for the mentally retarded.

SPED 432 (3) Education and Psychology of the Learning Disabled. Survey of the historical development of learning disabilities, problems of definition and classification, screening and diagnosis, and instructional systems.

SPED 450 (3) Education and Psychology of Children With Behavioral Disorders. Characteristics, causes and problems of emotional disturbance in children and youth; diagnosis, and placement and in-depth study of educational programs.

SPED 466 (3) Introduction to Sign Language. Emphasizes fundamental skills of sign language used by deaf individuals in communicative process.

SPED 467 (3) Advanced Sign Language. Prerequisite: SPED 466A. Emphasizes the interpretation of English language into sign language and presents colloquialisms that are prevalent in informal conversational situations among deaf people.

SPED 468 (3) Introduction to Interpreting. Prerequisites: SPED 466A and 466B. Development of skills necessary for interpreting for deaf individuals in educational and other related settings. It also emphasizes the values and ethics of interpreting.

SPED 480 (3) Education and Psychology of the Physically Handicapped. Description of the various types of orthopedically and other health impaired children and youth; etiology, characteristics, medical aspects, and needs of each type.

SPED 498 (3) Seminar in the Hearing Impaired. Current problems, issues, and trends in the field of the hearing impaired.

SPED 499 (3) Seminar in the Mildly/Moderately Handicapped. Current problems, trends, and issues in the field of the mildly/moderately handicapped.

SOCIAL SCIENCE

**Department of Social and Cultural Studies
OFFICE: Joseph H. Jackson Building**

SS 101 (3) Introduction to the Social Sciences–Foundations. This course examines the basic definitions, concepts, generalizations, literature, values, valuing process, and evaluation techniques in the Social Sciences and Social Studies. (D)

SS 111 (3) Survey of Black Studies. This course examines the cultural traits of blacks, conflicts of blacks and whites, and the status of blacks in America. (F, S, Sum)

SS 201 (3) Social Institutions. The course examines the basic domestic, educational and religious institutions, relying heavily on the interdisciplinary approach. (F, S, Sum)

SS 202 (3) Economic Institutions. This course examines the basic economic institutions, relying heavily on the interdisciplinary approach. (F)

SS 203 (3) Historical and Cultural Foundations of Education. Prerequisite: EDCI 100. This course is concerned primarily with selected historical facts and philosophical ideas, which have influenced the development of modern education. (F, S, Sum)

SS 204 (3) Introduction to Social Science–Value and Valuing. Basic social values, the valuing process and the role of values in decision-making are explored. (D)

SS 205 (3) Introduction to Social Science–Inquiry. Explains the inquiry strategies and techniques used in concept formation and generalization discovery, as they pertain to the social science. (D)

SS 211 (3) Ethnic Studies Survey of Native and Hispanic Americans. This course examines cultural traits of Native Americans and Hispanic Americans, their conflicts with white people, and their status in the United States of America. (F, S, Sum)

SS 212 (3) Ethnic Studies Survey of Jewish and Asian Americans. This course examines the cultural traits of Jewish and Asian Americans, their conflicts with white people, and their status in the United States of America. (S)

SS 300 (3) Organization and Regulations for Social Studies Teachers. This course acquaints students with the legal and professional obligations and opportunities for social studies teachers. (D)

SS 301 (3) Teachers and the Law. This course examines laws and court decisions affecting the rights, responsibilities, conditions and expectations of public school teachers and the students and districts which they serve. (F, S)

SS 305 (3) African American Futures. The course is designed to involve Jackson State University in an examination and study of relevant futurist issues. The content for this course will be explored using an interdisciplinary approach. (F, S, Sum)

SS 311 (3) Ethnic Studies and Curriculum Development. Prerequisite: Completion of SS 111, 211 and 212. This course focuses on the evaluation and development of ethnic studies curriculum materials. (S)

SS 324 (3) Introduction to Cartography. This course introduces students to map projections, cartographic theory and practical experience in the collection, classification, and display of spatial data via mapping techniques, design and production, using pen and ink. (D)

SS 400S (3) Social Studies Equipment and Materials. Prerequisite: Junior standing. Students are acquainted with the selection and utilization of reading, audio, graphic, and visual materials and equipment designed for social studies. (D)

SS 401 (3) Applied Social Studies. Prerequisite: Junior standing and at least 15 hours of Social Sciences. Exposure to the methods of developing objectives, carrying out strategies and evaluating social studies teaching, learning and interactions are focuses of this course. (F, S)

SS 412 (9) Internship in Ethnic Studies. Prerequisite: Completion of SS 111, 211, and 212. In this course, students are placed with educational institutions where they practice what they have learned and get on-the-job experience. (S)

SS 443 (3) Seminar in Social Science. Prerequisite: Completion of all substantive courses in the social sciences. Contemporary issues and problems are analyzed by means of student research papers and project reports. Standardized examinations and job application techniques are also explored. (F)

SS 498 (3) Seminar in Job Acquisition. Students are given practical exercises in preparing for standardized examinations and in applying for jobs. (D)

SOCIAL WORK

Bachelor of Social Work Program OFFICE: Charles F. Moore Building

SW 200 (3) Introduction to Social Work. This course provides a broad survey of the social work profession, its history, and the values and ethics that are fundamental to this profession. An overview of social work theory, practice, policy, research, and the diversity of the societal population are integrated in exploring the knowledge, values, and skills base of the social work profession. Students are introduced to generalist social work practice and the use of critical thinking in the helping professions. Students in the course participate in twenty hours of service learning. (F, S)

SW 201 (3) Introduction to Social Welfare Policy and Services I. This course acquaints students with the historical development of social welfare; its philosophical and value base; and contemporary social welfare policies, programs and services in the United States. The course provides a multicultural perspective for understanding issues of discrimination and oppression in relation to social welfare systems. It provides students with a global perspective which enables them to better understand the social welfare system in this country. Finally, the course provides an understanding of key social welfare concepts. (F, S)

SW 210 (3) Social Work Values and Ethics. This course focuses on the values of the social work profession and the process of ethical decision making in the practice of professional social work. The intent of the course is to provide a foundation knowledge of professional values and ethics in order to develop sensitivity to ethical issues and dilemmas in social work and social welfare. The course concentrates on knowledge about the codes of ethics of the National Association of Social Workers and the National Association of Black Social Workers. Legal issues related to malpractice and liability and ethical issues related to at-risk populations are covered. The course examines personal values as well as societal values and analyzes the interaction and interrelationship of these values with the social work professional values. (F, S)

SW 250 (3) Theoretical Perspectives in Generalist Social Work. Prerequisites: SW 200, 210. This course outlines the historical development of social work theory. It equips students with a variety of perspectives in social work theories, while fostering a critical analysis in comparing and contrasting those theories and their applications. It provides opportunities for students to utilize theory to analyze different case scenarios working with individuals, families, groups, organizations, and communities in generalist social work practice. It orients students to the conceptual, ethical, and practical basis for analyzing social problems and issues and translating these

theoretical constructs into problem-solving methods in social work practice. (F, S)

SW 301 (3) Human Behavior and the Social Environment I. Prerequisites: BIO 101, HE 101, SOC 214, PSY 201, SW 200, 250; Corequisites: SW 210 and PSY 216. The first course in human behavior and the social environment orients students to theoretical perspectives regarding the person-in-environment focus upon which social work bases its practice. Systems theory and an ecological perspective with a life-span approach and situational context are utilized to explore the periods from conception through later adulthood to understand individuals as they develop and have membership in diverse families, groups, organizations, and communities. Knowledge of the theories about and the relationships among human biological, social, psychological, cultural, spiritual, and economic systems during these periods of life span development is included and assessed for use in problem-solving while working with individuals, families, groups, organizations, and communities in social work practice. (F, S)

SW 302 (3) Human Behavior and the Social Environment II. Prerequisites: SW 250, 301 and PSY 216. This second course in human behavior and the social environment expands students' knowledge of theoretical perspectives regarding the person-in-environment focus upon which social work bases its practice. Systems theory and an ecosystems perspective utilizing a situational context to understand individuals as members of social systems such as families, groups, organizations, and communities is offered as the organizing framework. A strengths perspective, empowerment, and resiliency are underlying themes. Knowledge of the theories about and the relationships among human biological, social, psychological, cultural, spiritual, and economic systems are included for use in understanding human behavior and in problem-solving while working with individuals, families, groups, organizations, and communities in social work practice. (F, S)

SW 305 (3) Human Diversity and Social Justice. Prerequisites: SOC 214, PSY 201, SW 200, SW 210; Co-requisites: PSY 216, SW 301. This course focuses on people from diverse backgrounds. It emphasizes populations that are at risk of discrimination and oppression, including the dynamics of these risks and strategies to promote social, economic, and political justice. (F, S)

SW 315 (3) Introduction to Computer Utilization for Social Work Practice and Research. (Restricted to majors only). This course focuses on developing computer literacy in applications that are relevant to social work practice and research. Computer applications include word processing, data management, and other uses relevant to monitoring direct practice and evaluating agency programs and services. A lab

DESCRIPTION OF COURSES / 311

component is offered to provide students with hands-on experience with computers. (D)

SW 330 (3) Child Welfare Services. The focus of this course is on social welfare programs and services, legislation and policies in child welfare as they relate to children with special needs and their families. (D)

SW 338 (3) Social Welfare Policy and Services II. Prerequisites: SW 200, 201, ECO 211, and PS 135. This course focuses on the policy formulation process and evaluates its components. The interaction and relationship between and among the pluralistic social, political, and economic systems and sub-systems of society are analyzed. Emphasis is placed upon the egalitarian and humanitarian values that contribute to mutual aid and social justice. Additionally, the course assesses the underlying factors that influence definitions of social problems needing private and/or public solutions. The role that human diversity plays in influencing the social welfare policy decision making and implementation processes is discussed. The scientific research process and its role in the policy arena are considered. (F, S)

SW 385 (3) Social Work Practice I. Prerequisites: SW 200, 210, 301; Corequisite: SW 302. (Restricted to majors only). This course is the first of the required practice courses designed to provide the necessary knowledge, skills, and values and ethics to prepare students to function as generalist social work practitioners. It focuses on the relationship-building and problem-solving skills necessary for social work practice with individuals, families, and groups. (F, S)

SW 390 (3) The Black Experience. This course covers the historical development and contributions that have provided the foundation to the Black experience in social work. It discusses the unique manner in which African Americans practice "Black experience-based social work." Based on the spiritual and blues traditions, the course offers social work techniques to work with African American individuals, families, groups, and communities. The roles of African American people in social work are explored. Emphasized are such factors as education, housing, family, employment, and the impact of racism. (D)

SW 402 (3) Leadership and Management Skills. A broad survey of the administrative and management theories associated with the knowledge base of the social work profession. This course focuses on organizational and agency structure in relation to the delivery of services. It develops leadership skills and a systematic approach to management of work loads. Theories of management and motivation are considered in relationship to operation of organizations and agencies. (D)

SW 405 (3) Community Organization and Development. As one of the primary social work methods of practice, community

organization is experiencing a revival in urban and rural areas in this country. This course assists social workers and other helping professionals respond to the resurgence of interest in this area. The focus is on "the community as the client" and it is both didactic and experiential in structure. The history, theories, and models of community organization practice are reviewed. The functions and roles of human service professionals in macro practice are examined. The primary emphasis is on the areas of practice and strategic practice approaches. (D)

SW 410 (3) Social Legislation. Description and analysis of laws and court decisions relating to social, economic and legal problems in American society. The legislative process for addressing these problems is also studied. (D)

SW 420 (3) Behavior Modification for Social Workers. Social work students develop skills in using learning theory to modify human behavior. This course introduces a practical approach to assessment and intervention in achieving stabilization and behavioral change. The focus is upon overt behavior exhibited by clients whom the social worker encounters in practice. (D)

SW 421 (3) Teenage Sexuality and Teenage Parenting in Urban Centers. An investigation of those social, psychological, educational, and/or economic factors which influence teenagers toward sexual activity, pregnancy, marriage, pregnancy termination, etc. Emphasis is also placed on functional research relative to understanding the adolescent mind in urban centers, the unique problems and needs of the adolescent, and those social services in urban centers which attempt to meet the needs of adolescents. (D)

SW 430 (3) Family Treatment. This course provides information about the theory and process of family therapy. The course offers a presentation of the major theoretical underpinning and clinical practices in the family treatment field today. (D)

SW 435 (3) Family Violence. In recent years the family has become one of the most violent social institutions in this country. This course increases student knowledge and awareness of domestic violence in all its forms: child and adolescent abuse and neglect, spouse abuse (women and men), and elderly abuse. The social and historical background of family violence is examined. Emphasis is also placed on the extent and seriousness of the problem. Current legislation, programs and services, and intervention strategies are reviewed. (D)

SW 436 (3) Child Abuse and Neglect: Protective Services. This course focuses specifically on the complex problems of child abuse and neglect. It covers the incidence, causes, symptomatology, and types of child abuse and neglect with

critical study of child sexual abuse. State-of-the-art research and approaches to treatment utilizing a multidisciplinary perspective (legal, medical, educational, and social services) are included. (D)

SW 445 (3) Introduction to Social Gerontology. This course gives students a general overview of social gerontology as a branch of knowledge in the field of gerontology. Social gerontology concerns itself with psychosocial and economic aspects of the aged individual and the social problems encountered from living in both formal and informal societal groupings. The interaction of these aspects and groupings and the services established and considered for the aged through public and social policy are discussed. (D)

SW 446 (3) Adult Development: Young Adulthood, Middle Years and Aging. This course focuses on current and past theories in adult development. It highlights the changes in society and how these changes impact adulthood for young adults, middle-age and older persons as stages of development. The processes of adult development are explored from a psychological perspective. (D)

SW 447 (3) Clinical Intervention with the Elderly. The most important goal for human service professionals is to improve the quality of life for older people through effective intervention on their behalf. This course focuses on skill development and knowledge and understanding of older persons' behavior through the public health model of preventive intervention at the primary, secondary, and tertiary levels. Interventive activities and case studies are utilized in this course to develop skills for working with the elderly in institutions and in the community. (D)

SW 448 (3) Public Policy Issues in Aging. This course provides an analysis of legislative policy and organized human welfare services and resources for the elderly as a social group in society. The political, economic, and social realities of aging that identify the elderly as requiring public policy solutions are examined. The framework of analysis includes the legitimacy of aging as a social problem, and the social functioning of the overall society and its subcomponents such as the family, the individual and other social, political, economic and cultural institutions. (D)

SW 449 (3) Independent Study: Special Topics in Aging. A primary focus of this course is its emphasis on special topics in aging to insure development of knowledge in the behavioral, biological, clinical, and social sciences. In this regard, with faculty direction, students explore, build upon and increase the knowledge base in aging and individual well-being. Students engage in research and independent study in specific areas of interest in gerontology and translate research findings into policy and practice. (D)

SW 450 (3) Social Work in Health Related Fields. This course is designed to help students develop knowledge, skills and attitudes necessary to work in health-related fields. Two broad areas of concern in this course are: (1) social work in medical and psychiatric settings, and (2) delivery of health care services. Though general in scope, the course enables students to acquire knowledge in problem solving and in analyzing service systems. (D)

SW 455 (3) Research Methods in Social Work. Prerequisites: SW 250, 302, 305, 338, 385; Corequisites: SW 486, Statistics Option. (Restricted to majors only). This course focuses on the practical methods of research which entry-level social workers can incorporate into their practice environment. It reviews the fundamental theoretical frameworks, research concepts, and the research process from the point of view of problem-solving. Students obtain the knowledge needed to monitor their practice, evaluate agency programs, and understand the ethical use of social work research. (F, S)

SW 460 (3) Professional Development in Human Services-Summer Institute. Prerequisite: Permission of the Program Coordinator. This institute examines a variety of issues concerning the role of the human service professional in bringing about change. Each institute has a different focus based on expressed student and community needs. (D)

SW 465 (2) Professional Development and Licensure Preparation. Permission of instructor. (Restricted to majors only). This course enhances and extends the student's knowledge of the social work process. It includes knowledge in the areas of practice, assessment, human behavior, policy, research, administration, cultural diversity, and social work values and ethics. (F, S)

SW 480 (3) Independent Study. This course permits students to study in-depth social work related issues. A student may enroll in independent study for reading, writing, or field experience based on personal interest. Flexibility in the program is increased and student independence is enhanced. (D)

SW 485 (3) Skills in Interviewing. Prerequisites: SW 302 and 385. (Restricted to majors only). This course introduces essential communication skills and techniques, along with the pitfalls most commonly encountered in building helping relationships as a social work generalist practitioner. Emphasis is directed to the skills needed in interviewing individuals, families, small groups and organizational and community systems. This course builds upon the assessment knowledge acquired through the biopsychosocial study of human behavior and the social environment and an understanding of the helping process in generalist social work practice. (F, S)

DESCRIPTION OF COURSES / 313

SW 486 (3) **Social Work Practice II.** Prerequisites: SW 200, 301, 302, and 385; Corequisite: SW 485. (Restricted to majors only; malpractice insurance required). This course is a continuation of Social Work Practice I in the development of the generalist social worker. It focuses on social work practice skills with organizations and communities, and includes a thirty-hour service learning component. (F, S)

SW 489 (3) **Field Instruction.** Prerequisites: All required social work courses and all liberal arts prerequisites and co-requisites for these courses. Corequisite: SW 499. (Restricted to majors only; malpractice insurance required). Field instruction enables students to integrate and apply to social work practice the knowledge, skills, and values and ethics obtained in the social work foundation courses. Agency-based learning experiences are provided which allow students to develop generalist practitioner skills for social work practice with diverse individuals, families, small groups, organizations, and communities, including populations at risk of injustice, oppression and discrimination. Each student completes a minimum of 500 hours of supervised practice in a community agency. (F, S)

SW 499 (3) **Seminar in Issues and Problems of Professional Social Work.** Prerequisites: All social work required courses and all liberal arts prerequisites and corequisites for these courses. Corequisite: SW 489. (Restricted to majors only). This integrative seminar is an extension of the field instructional process and is dependent upon the field instructional learning experiences for considerable teaching content. This seminar serves as the bridge between the educational process and entry-level professional social work practice. Additionally, this course provides information for students who wish to pursue graduate professional education. It provides a forum for the discussion of practice-related issues and the integration of social work knowledge, skills, and values and ethics. The seminar also emphasizes the importance of the evaluation of one's own practice and the use of research skills in program evaluation. (F, S)

THERAPEUTIC RECREATION

Department of Health, Physical Education and Recreation
OFFICE: T.B. Ellis Physical Education Complex

TREC 104 (3) **Introduction to Therapeutic Recreation.** This course provides orientation to the field of therapeutic recreation in terms of its history, philosophy, development, practice procedures and the contribution of therapeutic recreation to the school, community, and client. (F)

TREC 218 (3) **History and Philosophy of Therapeutic Recreation.** This course provides a thorough investigation of

the philosophical basis for therapeutic recreation, history, events, landmark legislation and the formation of the profession.

TREC 225 (1) **Practicum in Therapeutic Recreation.** Learning experiences will be provided for students during the fall and summer at local therapeutic recreation agencies. Students will have opportunities to gain experience as an observer in programming procedures.

TREC 313 (3) **Implications of Disabling Conditions in Therapeutic Recreation.** This course is designed to provide students with knowledge, and skills in planning and developing opportunities and for persons with various disabilities and the implications related to service delivery.

TREC 325 (1) **Practicum in Therapeutic Recreation.** Experiences will be obtained by students at local agencies institutions that have viable therapeutic recreation programs. Students will gain experiences in initiating leadership and programming techniques and procedures. (S)

TREC 329 (3) **Programs Design and Evaluation in Therapeutic Recreation.** This course presents a study of the various therapeutic recreation programs and problems encountered in recreation program planning for the special population. (S)

TREC 415 (3) **Current Issues and Trends in Therapeutic Recreation.** This course focuses on critical issues and trends surrounding the professional practice of therapeutic recreation and the challenges for future growth.

TREC 418 (3) **Principles, Practices, and Procedures in Therapeutic Recreation.** This course provides an overview of service delivery, practice, guidelines, theories, facilitation techniques and evaluation of the therapeutic recreation process.

TREC 421 (3) **Management in Therapeutic Recreation.** This course is a study of the principles, methods, techniques, organizational patterns, personnel, public relations and administrative problems involved in the management of therapeutic recreation programs.

TREC 423 (3) **Recreation and Evaluation in Therapeutic Recreation.** Emphasis of the course on the principles and techniques of research and evaluation in therapeutic recreation to the organization, administrators, and objectives of viable therapeutic recreation programs. (Sum)

TREC 424 (3) **Seminar in Therapeutic Recreation.** This course is designed to provide students with current information that pertains to issues, practices and procedures in therapeutic recreation. Emphasis will be placed on reviewing the literature, doing case studies, and abstracts.

TREC 425 (9) Therapeutic Recreation Internship. Emphasis is placed on supervised leadership assignments in public or private agencies institutions with emphasis on a variety of therapeutic recreation leadership experiences common to such organizational programs. Students will have the responsibility of planning, implementing, and evaluating a special senior program during internship. (F, S)

URBAN STUDIES

Department of Urban and Regional Planning OFFICE: Universities Center, Suite 7

UA 200 (3) Introduction to Urban Studies and Planning. An introductory course outlining life in urban environments. Attention will be devoted to urban growth in general, race relations, housing, transportation, government administration, and education and specific role that planning has in influencing urban life.

UA 229 (3) Dimensions in Cultures. An introductory course in cultural anthropology which examines the process of culture and its role in shaping experiences of urban life.

UA 300 (3) Transportation Delivery Systems. This course is designed to acquaint the student with the major and current issues in transportation. The significance of transportation in the modern world, evolution of systems in America, interrelationships of the various modes and career opportunities is included.

UA 302 (3) Urbanization: Ancient African Kingdoms/African American Experience. The course addresses the history of African American urban communities from an Afrocentric perspective. Emphasis is placed on social, cultural, and political developments which have contributed to experience of contemporary urban life.

UA 310 (3) History of Cities. This course is a survey of the development of cities throughout history. Particular attention is paid to the form of development, politics, arts, aesthetics, economics, and culture of cities. Through lectures and class discussions, we will examine the American city in an effort to understand the basis for attempts to improve the urban environment.

UA 336 (3) Housing: Problems and Perspectives in Urban America. A survey course which examines factors that contributed to developments in housing in the past from the public and private sectors of society.

UA 356 (3) Issues in Community Participation. A survey course with emphasis on issues and problems associated with

small and large communities relative to community participation.

UA 357 (2) Community Development Field Work. This course will introduce students to hands on community development work. Guest speakers and activities with community organizations will be included in the course experience. Students will gain an understanding of community systems as well as strategies for addressing the challenges of community work.

UA 366 (3) Public Policies and Practices. This course is designed for majors and students interested in public and professional practices that direct the development of cities. Students will acquire knowledge of the issues, approaches, and impacts of public policy making on city development. Equally, they will learn the practices exercised by professions to implement policy mandates in a plural environment.

UA 400 (3) Introduction to Environmental Planning. The environment is a vital component of communities' economies and quality of life as well as of public health. Students who complete this course will gain an understanding of the major environmental concerns in the United States, including those involving protection of natural assets as well as those involving protection from natural and man-made hazards. Students will also become familiar with the major federal environmental regulatory policies and their effects at the community level.

UA 420 (3) Transportation Planning. Principles involved in planning local, state, and national transportation systems; variables critical to transportation planning including feasibility studies, land acquisition, accessibility, utility, economics and environment impact.

UA 421 (3) Community Development Theory and Practice. This course provides students with the essentials of community development and the skills of local capacity building that are needed in order to foster sustainable community development. It is not designed to give you answers on how to achieve sustainable development, but rather to expose you to a variety of elements and viewpoints about it. The course will broaden your horizon about what community development is and how it is pursued; it will reevaluate your assumptions and stereotypes about the world, how it works and what can be done to make things better.

The course emphasizes that community building begins with the process of locating assets, skills and capacities of residents, citizens associations, and local institutions. The major thrust is on rebuilding community by releasing individual capacities, the power of the local associations and organizations and capturing institutions.

UA 431 (3) Land Use Law and Regulation. Urban development and redevelopment are shaped by the legal context

DESCRIPTION OF COURSES / 315

in which they occur. This course introduces students to the American system of property law and regulation. Major topics include Constitutional limitations on government action, general zoning and other development regulations, and special issues related to the environment, historic preservation, and other concerns.

UA 466 (3) **Ethics in Policy and Planning.** This course provides students the opportunity to come to grips with the ethical demands policy and planning work by familiarizing them with the essence of ethical questioning and helping them develop their own ethical stance. The course will utilize case studies to engage students in dialogue and introduce them to the types of ethical challenges of policy and planning practice.

UA 493 (1-6 Variable Hours) **Independent Research/Directed Study in Urban Studies.** Prerequisite: Limited to Senior Urban Affairs majors only. Students must have taken at least three semesters of coursework at JSU, are in good standing, and have approval from program coordinator and agreement from a specific faculty member who will guide their independent study. This course will be individualized and will deal with selected topics in the study of Urban Affairs. Within the first three weeks of semester, student should have a proposed scope of work on file with the faculty member.

UA 494 (3) **Writing and Presentation for Policy and Planning.** This course builds on core and disciplinary course and involves students in development of writing and presentation skills necessary to apply their urban studies knowledge to policy and planning activities across various organizational contexts. Students will explore, through mock experiences, various contexts for public presentation of their ideas such as board meetings, public forums, letter writing, effective email correspondence, charrette participation.

UA 495 (4) **Internship in Urban Studies.** Prerequisite: Senior standing; Urban Affairs majors only. This course entails supervised field work with private, public, or nonprofit organization related to his emphasis or minor.

UNIV 101, 102 (1) (1) **University Success for Business Majors.** These courses are designed to assist the first year students in their adjustment to college life and in exploring career options. Emphases will be placed on self-assessment, image development, credit/money management, winning attitudes, goal setting, dressing for success, constructing personal web pages, action research, portfolio development, leadership skills, and library usage. Personal Development activities relative to the students' academic, social and professional success are reinforced through participation in enrichment workshops, seminars, student organizations, service learning, and mentoring. (F, S)

UNIV 105 (2) **University Success for Adult Learners.** This course is designed to assist adult learners in maximizing their potential to achieve academic success by providing a general orientation to the functions and resources of the University. The course is designed to help each student establish personal and professional goals and assess barriers to personal, academic, and career goals. In addition, the course is designed to provide students with positive learning experiences utilizing instructional methods of lectures, demonstrations, small and large group discussions, consultants and technology. The course will provide students with information on how to apply skills needed to take notes, communicate effectively, and develop good study skills to be successful college students. Students will have the opportunity to engage students in action research, leadership skills, library initiatives, and enrichment workshops/seminars activities relative to their academic, social, and professional success.

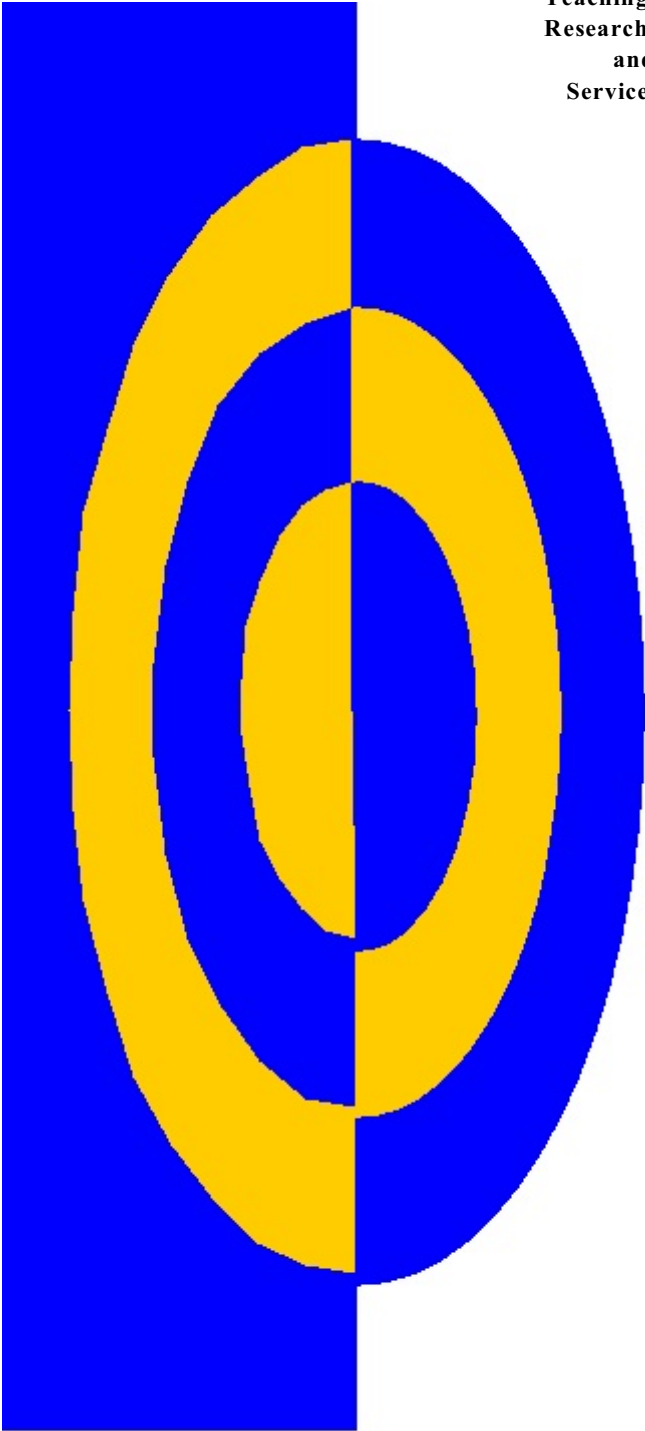
UNIVERSITY SUCCESS

Division OF Undergraduate Studies
OFFICE: Charles F. Moore Building

UNIV 100 (2) **University Success in College.** This course serves as the nucleus of the First Year Experience and offers a global, comprehensive and personalized approach to student success through textbook, stimulating lectures, action research, leadership development, library initiatives, and service learning.

JACKSON STATE UNIVERSITY

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Kidd, Tyrone. Interim Director of Public Safety
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Robinson, Sonja. Associate Director
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Roby, Dr. Billy. Director of the
 Jackson State University Student Center
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Sellers, Sandra. Director of Human Resources
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 and Human Development
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Wilson, Sherry. Comptroller
Zubkowski, Dr. Jeffrey. Associate Dean,
 Division of Graduate Studies

ACADEMIC FACULTY

Abed, Khalid (2005) - Assistant Professor of Computer Engineering, BS, MS, Ph.D. Wright State University.

Abdur-Rashied, G. Sakinah (1984) - Assistant Professor of Modern Foreign Languages, Department of English and Modern Foreign Language, M.A., Ed.D., Jackson State University

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Alegria, Mauricio (1989) - Assistant Professor of Spanish, B.A., M.A., Michigan State University

Al-Fadhli, Hussain (2005) - Associate Professor, B.A., Kuwait University; M.P.H., Jackson State University, Ph.D., Mississippi State University

Ali, Kamal S. (2005) - Professor of Computer Engineering, BS University of Khartoum, Ph.D. Reading University, MS West Virginia University.

Aliabadi, Shahrourz (2005) - Northrop Grumman Professor of Engineering, Director of Northrop Grumman Center for HPC of Ship Systems Engineering, Ph.D. University of Minnesota.

Allen-Gentry, LaVerne M. (1994) - Assistant Professor of Educational Administration, B.S., M.S., Ph.D., Jackson State University

Amedee, George L. (1998) - Assistant Professor of Political Science and Acting Director of the Mississippi Center of Technology Transfer, Department of Public Policy and Administration, B.A., University of New Orleans, M.U.R.P., Virginia Tech., Ph.D., Northern Illinois University

Amini, Farshad (2000) - Professor of Civil and Environmental Engineering and Chair, Department of Civil and Environmental Engineering, B.S., M.S., University of Kansas, Ph.D., University of Maryland, Professional Engineer (PE)

Anderson, Louis P. (2003) - Professor of Psychology, B.A., Ph.D., Kent State University, M.A., John Carroll

Anderson, M. (2001) - Associate Professor of Special Education, B.A., Ph.D., Kent State University, M.A., John Carroll

Anyamele, Okechukwu (1996) - Associate Professor of Economics, Department of Economics, Finance and General Business, B.S., Alabama A&M University, M.B.A., Morgan State University, Ph.D., Howard University

Arslan, Zikri (2004) - Assistant Professor of Chemistry, B.S., Bogazici University-Turkey, Ph.D., University of Massachusetts-Amherst

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Askew, John H. (1999) - Assistant Professor of Psychology, B.S., North Carolina State University, M.S., Hollins University, Ph.D., The University of Tennessee-Knoxville

Assad, Jean-Claude (1991) - Associate Professor of Economics and Director of the Doctoral Program, Department of Economics, Finance and General Business, M.A., Ph.D., Howard University

Aworuwa, Olorundare E. (1991) - Associate Professor and Interim Chair of Mass Communications, BS.B.A., M.B.A., Roosevelt University, M.A., Ph.D., Michigan State University

Ayensu, Wellington (2004) - Assistant Professor of Biology, B.S.C., East London University, M.S.C., Brunel University, F.I.B.M.S., North East Surrey College, A.I.M.S., St James Hospital, M.D., Universidad Central del Este

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Banks, Sarah (1973) - Professor of Spanish, A.B., Allegheny College, M.A., Ph.D., University of Southern California

Barnes, Willie (1971) - Instructor of Health, Trainer and Equipment Manager, B.S., Jackson State University

Barrera, Delina (1997) - Assistant Professor of Public Policy, B.S., Texas A&M University, M.P.A., Ph.D., Texas Tech University

Beasley, Bernadine (1987) - Instructor of Library Science and Assistant Librarian, B.S., Jackson State University, M.S.L.S., Atlanta University

Begonia, Gregorio (1992) - Chair and Professor of Biology and Associate Director Environmental Science Ph.D. Program, B.S., M.S., University of Philippines at Los Banos, Ph.D., Mississippi State University

Begonia, Maria T. (2000) - Professor of Biology, B.S., University of the Philippines at Los Banos, M.S., Mississippi State University, Ph.D., University of Missouri

Bell, Jimmy (1970) - Assistant Professor of Sociology, B.S., Mississippi Valley State University, M.A., Mississippi State University

Bell, Taunjah P. (2008) - Visiting Assistant Professor of Psychology, B.A., University of South Florida, M.A., University of Northern Iowa, Ph.D., University of Southern Illinois-Carbondale

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Bishop, Carrine (1978) - Associate Professor of Higher Education and Chair of the Department of Educational Leadership, B.S., Ed.S., Jackson State University, M.S., Loyola University, Ph.D., University of Mississippi

Bishop, Darcie (1988) - Interim Chair, Associate Professor, Department of Music, B.M., M.M., The Juilliard School, Ph.D., University of Mississippi

- Bishop-McLin, Dawn D.** (2004) - Assistant Professor of Psychology, B.S., M.S., Jackson State University, Ph.D., Mississippi State University
- Blackburn, Willie D.** - Professor Emerita of English
- Blaine, Robert** (2004) - Professor of Music, Director of Orchestral Activities, B.M., Indiana University, M.M., Catholic University, D.M.A., University of Rochester-Eastman School of Music
- Blair, William** (2004) Professor of Computer Engineering and Director of Graduate Engineering Program, BS, Ph.D. Clemson University
- Blakley, Alma** (1995) - Instructor of Library Science, Assistant Librarian, and Lead Librarian, H.T. Sampson Library, M.S.L.S., Clark-Atlanta University
- Bond, Patrick** (2000) - Assistant Professor of Military Science
- Booker, Quinton** (1981) - Professor of Accounting and Chair, B.S., M.P.A., D.B.A., Mississippi State University, C.P.A., Mississippi
- Boothe, Major Leonard** (2007) - Instructor of Aerospace Studies, B.A., M.B.A., University of Mississippi; Ph.D., University of Lille (France); Ph.D., Indiana University
- Braddy, D.** (2001) - Coordinator Project HELPS (Helping Educators Learn Praxis Skills), B.A., Bennett College, M.A., M.S.E., Jackson State University
- Bramlett, David** (1991) - Assistant Professor of Mathematics, B.S., Belhaven College, M.S., M.A., University of Mississippi
- Braxton, Ronnie, Lieutenant Colonel** (2005) - Assistant Professor of Military Science, B.S., University of Southern Mississippi
- Brockley, Janice** (2001) - Associate Professor of History, Department of History and Philosophy, B.A., University of Oregon; Ph.D., Rutgers University
- Brooks, Jean E.** (1972) - Assistant Professor of Social Work and B.S.W. Program Coordinator, A.B., Earlham College, M.S.W., University of Michigan
- Brooks, Yvonne** (2000) - Visiting Professor of Special education, B.A., Oklahoma State University, M.Ed., Northern Illinois University, Ed.D., University of Southern University
- Brooks-Smith, Emma** (1970) (2009) - Visiting Professor of Music, B.A., Wiley College, M.Ed., University of Arkansas, D.M.A., University of Washington
- Brown, Captain Frederick** (1995) - Assistant Professor of Military Science, B.S., Northeastern State University
- Brown, Willie G.** (1993) - Associate Professor of Computer Science, and Vice President for Information and Process Management, B.A., M.S., Ph.D., Wayne State University
- Brown Teague, Riva** (2009) - B.A., M.S., University of Southern Mississippi
- Buckley, Cedric O.** (2003) - Associate Professor of Biology, Department of Biology, B.S., Jackson State University, Ph.D. Michigan State University
- Buckner-Brown, Joyce** (1997) - Associate Professor of Health Policy and Management, Department of Health Policy and Management, M.H., Mississippi College, Ph.D., Mississippi State University
- Burton, Otha** (1990) - Associate Professor, Associate Dean, and Chair, Department of Urban and Regional Planning, B.A., M.A.T., Jackson State University, Ph.D., Mississippi State University
- Burson, Herbert I.** (2007) - Assistant Professor of Social Work and M.S.W. Program Coordinator, B.A., Huntingdon College, M.S.W., Ph.D., University of Alabama
- Buteau, Andre'** (2006) - B.A., Louisiana State University, M.S., Mississippi State University
- Calhoun, Thomas C.** (2007) - Professor and Chair, Criminal Justice and Sociology, B.A., Texas Wesleyan College, M.A., Texas Tech University, Ph.D., University of Kentucky
- Cameron, Joseph** (1974) - Professor of Biology, B.S., Tennessee State University, M.S., Texas Southern University, Ph.D., Michigan State University
- Campbell, Naomi** (2004) - Associate Professor of Chemistry, B.S., Tougaloo College, Ph.D., University of Southern Mississippi
- Cannon, Carol** (2005) - Instructor of Communicative Disorders and Clinic Coordinator, B.S., M.S., University of Southern Mississippi
- Cannon-Smith, Gerri** (2004) - Assistant Professor of Behavioral and Environmental Health, B.S., Howard University, M.P.H., University of California at Berkeley, M.D., University of Mississippi Medical School
- Canon, Michael** (1988) - Instructor of Mathematics, B.S., M.S., Jackson State University
- Carraway, Charles W.** (1980) - Associate Professor of Art, B.F.A., Delta State University, M.F.A., Rhode Island School of Design
- Castilla, W. Cortez** (1994) - Director of Choral Activities, Instructor of Music, B.A., Millsaps College, M.A., Fisk University
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322 \ JACKSON STATE UNIVERSITY

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328 \ JACKSON STATE UNIVERSITY

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330 \ JACKSON STATE UNIVERSITY

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332 \ JACKSON STATE UNIVERSITY

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BOARD OF TRUSTEES, ADMINISTRATORS, FACULTY AND STAFF / 333

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334 \ JACKSON STATE UNIVERSITY

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- Ingram-Dodd, Marchelle D.** (2002) - Project Coordinator, Seat Belt Usage Project, Mississippi Urban Research Center, B.S.W., Jackson State University
- Jackson, Alfred B.** (1987) - Registrar/Director, Office of the Registrar and Records, B.S.A., M.S., University of Georgia
- Jackson, Debra** (1978) - Administrative Assistant, Army High Performance Computing Research Center Project, Department of Physics, Atmospheric Sciences, and General Science, B.S., Jackson State University
- Jackson, Jamian** (2002) - Training Coordinator, Funds to Improve Post-Secondary Education Project, Office of Information Management, B.S., M.S., Jackson State University
- Jackson, Karen** (1978) - Program Coordinator, Department of Technology, B.S.W., M.S., Jackson State University
- Jackson, Marilyn** (1984) - Administrative Assistant, Department of Educational Leadership, A.A.S., Hinds Community College-Utica Campus
- Jackson, Valarie** (2005) - Director of Student and Community Outreach, College of Lifelong Learning, B.F.A., M.S., Mississippi State University
- Jackson, Vera J.** (1980) - Director of Housing, Department of Housing, B.A., M.A., Jackson State University

336 \ JACKSON STATE UNIVERSITY

- Jackson-Smith, Linda D.** (1999) - Secretary/Administrative Assistant, Department of Health Care Administration, A.A., Hinds Community College
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- Jefferson, Len** (1988) - Computer Laboratory Coordinator, Department of Political Science, B.A., M.A., Jackson State University
- Jefferson, Wendell** (2000) - Production Manager, Department of Food Services, B.S., M.B.A., Jackson State University
- Jenkins, Rochelle R.** (2002) - Data Technician, Jackson Heart Study Project, Office of the Vice President for Research Development and Support, B.S., University of Southern Mississippi
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- Johnson, Henry** (1990) - Custodial Supervisor, Department of Facilities Management, A.A., Phillips Junior College
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- Johnson, Kenisha** (2003) - Secretary, Department of Public Policy and Administration
- Johnson, Kira** (2005) - Policy Analyst, Southern Institute for Mental Health Advocacy, Research & Training, School of Social Work, B.S., M.S.W., Jackson State University
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- Jones, Kimberly M.** (2002) - Fiscal Manager, Office of the Registrar and Records, B.A., Jackson State University
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- Jones, Pamela D.** (1996) - Administrative Assistant, School of Engineering, College of Science, Engineering and Technology
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- Jones, III, Willie** (2003) - Director/Mentor, Center for the Advancement of Teachers Educating Youngsters, College of Lifelong Learning, B.S., M.S., Jackson State University
- Jones-Shaw, Cheryl E.** (2005) - Administrative Assistant, Aerospace Studies
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- Jordan, Dorothy** (1995) - Custodial Foreman, Department of Facilities Management

BOARD OF TRUSTEES, ADMINISTRATORS, FACULTY AND STAFF / 337

Jordan, Shundra D. (2001) - Data Retrieval Clerk/Collection Counselor, Office of Financial Services, B.A., Jackson State University

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Jordan-Greathree, Zelda D. (2000) - Administrative Assistant, Title III Project, Center for University Scholars

Junigan, Kathy M. (2002) - Program Officer, Division of International Studies, B.S., Jackson State University

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Kelly, Willie (1999) - Secretary, Office of Information Management

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Keys, Caroneil M. (1995) - Collection Database Inventory/Stack Supervisor, Title III Project, H.T. Sampson Library, B.S., Alcorn State University

Kidd, Tyrone (1993) - Interim Chief, Department of Public Safety, B.S., Jackson State University

King, Ella (1998) - Secretary, Department of Economics, Finance and General Business

Kinnard, Carl D. (1997) - Budget Accountant, Department of Housing, B.S., Jackson State University

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Love, Andrew, III (1996) - Videographer/Editor, Low Power T.V. Station, B.S., Jackson State University, A.S., Career Academic School of Broadcasting

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Lowe, Clarence (2000) - Academic Advisor, Division of Undergraduate Studies, B.S., M.S., Ed.D., Jackson State University

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Lu, Duanjun (2000) - Research Associate, High Performance Visualization Center Initiative Project, Department of Physics,

338 \ JACKSON STATE UNIVERSITY

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Lumumba, Moriba P. (2001) - Research Assistant, HIV/STD Intervention Research for Young Men in Prison Project, Community Health Program, Department of Psychology

Mack, Carolyn (1984) - Director, Non-credit programs, College of Lifelong Learning, B.S., M.S., Jackson State University

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Mangum, Gloria O. (1980) - Secretary, Department of Art, B.S., M.S., Jackson State University

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Marshall, Robin R. (2000) - Admissions Advisor, Office of Undergraduate Admissions, B.S., Jackson State University

Marshall, Sophia S. (2001) - Project Coordinator, Teacher Quality Enhancement Project, College of Education and Human Development, B.S., M.S.Ed., Ed.S., Jackson State University, Ph.D., University of Southern Mississippi

Marshall, Thalams M. (2001) - Laboratory Coordinator, Department of Civil Engineering, B.S., Jackson State University

Martin, Andy (2003) - Production Coordinator, Low Power T.V. Station, A.A., North East Mississippi Junior College, A.A., Columbia School of Broadcasting

Martin, Merry B. (1998) - Administrative Assistant to the Dean, College of Education and Human Development

Martin, Phyllis (2002) - Regional Capacity Building Coordinator, Gay Men of Color Project, Mississippi Urban Research Center, B.S., Jackson State University

Matthew, Charles (1999) - Technology Associate, Southern African American Project, Mississippi Urban Research Center, B.A., Jackson State University

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May, Aaron T. (2001) - Laboratory Coordinator, Department of Computer Engineering, B.S., Jackson State University

McAdoo, Larry (1983) - General Manager, WJSU Radio Station, B.S., Jackson State University

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McClendon, Belvely (1999) - Cashier, Office of Financial Services

McCool, John (1995) - Custodian Swing Shift Foreman, Department of Facilities Management

McCoy, Pamela (1985) - Marketing Specialist, African American Prevention Network Project, Mississippi Urban Research Center, B.A., M.A., University of Southern Mississippi

McDonald, Katherine L. (2000) - Administrative Assistant, Office of Institutional Research and Planning

McGee, Sharron (2000) - Administrative Assistant, Mississippi Urban Research Center

McGowan, Alice (1994) - Head Teacher, Early Childhood Center, College of Education and Human Development, B.S., Jackson State University

McIntosh, Michael A. (2002) - Assistant Community Director, Department of Housing, A.A.S., Prairie State University, B.S., Jackson State University

McKenzie, Tara L. (2001) - Administrative Assistant/Secretary, Department of Biology

McKnight, Francesca J. (2002) - Regional Capacity Building Specialist, Southern Faith Initiative Project, Mississippi Urban Research Center, B.S., M.S., Jackson State University

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McMahan, Amy (1990) - Marketing Representative/Coordinator of Community Contracts, Mississippi Department of Human Services Project, Continuing Education Learning Center, B.A., University of Mississippi

McMillian, Marco (2003) - Executive Assistant, Office of the Vice President for Institutional Advancement, B.S., Jackson State University

McMorris, Florida D. (2001) - Program Associate, Southern Faith Initiative Project, Mississippi Urban Research Center, B.S., Jackson State University

McNeal, Carolyn E. (1999) - Program Manager, Alcohol/Drug Prevention Project, Center for Interdisciplinary Alcohol/Drug Studies, B.S., M.B.A., Jackson State University

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McNeil, Larry (2001) - Assistant Women's Basketball Coach, Department of Athletics Administration, B.A., Talladega College

McNeil-Smith, Susie (1988) - Assistant Director of Publication, Office of Publications

Meredith, Judy Alsobrooks (1994) - General Manager/Developer, Low Power TV Station, Title III Project, B.S., Lincoln University, M.A., Jackson State University

Michael, Debrah (1987) - Administrative Assistant to the Director of the Ph.D. Program, Department of Business Administration-Ph.D., College of Business, B.A., Jackson State University

Miller, Gloria (2001) - Assistant Women's Basketball Coach, Department of Athletics Administration, B.S., M.S., Tennessee State University

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Mitchell, Jo (1996) - Student Account Receivable Counselor, Office of Financial Services

Moncure, Betty J. (1993) - Director of Financial Aid, B.A., Tougaloo College

Moncure, Lori (1994) - Fringe Benefits Manager, Department of Human Resources, B.B.A., Jackson State University

Moody, Sheila A. (1999) - Administrative Assistant, Environmental Risks Assessment Integrative Approach with GIS/RS Project, Department of Physics, Atmospheric Sciences, and General Science

Moore, Cynthia Coleman (1998) - Secretary, Office of the Vice Provost for Student Life, B.S., Jackson State University

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Mustafa, Vera J. (1997) - Coordinator of Testing, Testing and Assessment, B.S., M.S., Jackson State University

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Okojie, Elizabeth (1999) - Business Manager, Southern Institute for Mental Health Advocacy, Research & Training, School of Social Work, Ordinary National Diploma, Higher National Diploma, B.S., Yaba College of Technology, M.B.A., M.P.P.A., Jackson State University

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- Peters, Kenya** (2003) - Head Women's Softball Coach, Department of Athletics Administration, B.S., University of Southern Mississippi
- Piletz, Mei-Chi Chen** (2000) - English As a Second Language Teacher, Office of International Programs, B.A., Fu-Jen University-Taiwan, M.A., University of Cincinnati
- Pittman, Irene** (1991) - Scheduler/Planner Clerk, Department of Facilities Management
- Podolyan, Yevgeniy** (2002) - Technical Manager, Experimental Program to Stimulate Competitive Research Project, Department of Chemistry, Ph.D., Jackson State University
- Polk, Myrtle** (1989) - Secretary, Department of Speech and Theatre
- Porter, Cleopatric** (1993) - Coordinator, Continuing Education Learning Center, College of Lifelong Learning, B.S., Jackson State University
- Powell, Edgar** (1988) - WEB Application Developer, Community Health Program, EPI Institute, Department of Public Health, B.A., Jackson State University
- Powell, Laura** (1992) - Programmer/Marketing Coordinator, Low Power Television Station
- Preacely, Nykiconia** (2003) - Regional Capacity Building Specialist, Gay Men of Color Project, Mississippi Urban Research Center, B.S., Jackson State University, M.S., University of Southern Mississippi
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- Price, Jeanette** (2001) - Student Accounts Receivable Counselor, Office of Financial Services
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- Purry, Valerie A.** (1998) - Secretary, Department of History and Philosophy, B.S., M.A., Jackson State University
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- Quinn, Edwin H.** (2000) - Teacher of Physical Science, Pre-College Awards for Excellence Project, College of Science, Engineering and Technology, B.A., Delta State University, M.S., Florida Atlantic University, Ph.D., Louisiana State University
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BOARD OF TRUSTEES, ADMINISTRATORS, FACULTY AND STAFF / 341

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342 \ JACKSON STATE UNIVERSITY

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344 \ JACKSON STATE UNIVERSITY

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**JACKSON STATE UNIVERSITY
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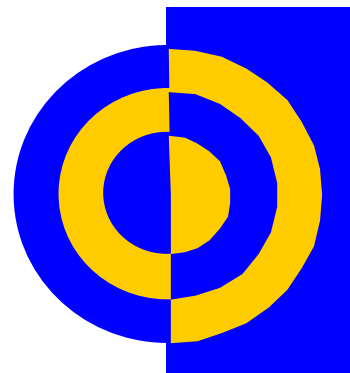
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THROUGH THIS CATALOG TO
ACCURATELY PRESENT
JACKSON STATE UNIVERSITY–
ITS BACKGROUND,
PROGRAMS OF STUDY,
ACADEMIC REGULATIONS,
ADMISSIONS REQUIREMENTS,
FEES AND FINANCIAL AID PROGRAMS,
FACULTY AND STAFF
DATA AND SERVICES FOR
QUALITY CAMPUS LIFE.**



INDEX

A

Academic Council.	29
Academic Honesty.	60
Academic Records, Philosophy.	58
Academic Regulations.	58
Academic Standards.	63
New Start.	64
Probation.	63
Reinstatement.	63
Retention.	63
Second Chance.	64
Suspension.	63
Academic Year.	59
Accounting, Department of.	85
Accreditation, University.	9
Administrative Officers.	318
Admissions.	36
Admissions by Examination.	38
Appeals Procedures.	40
Application.	351
Dual Enrollment.	38
Early Admission.	38
Freshman Requirements.	37
International Student Requirements.	39
Miscellaneous Information.	41
Readmission Requirements.	40
Non-Degree (Special) Student Requirements.	40
Summer Development Program.	40
Summer Session.	40
Residence Requirements.	41
Teacher Education.	40
Transfer Requirements.	39
Transient Non-Degree Student.	39
Advanced Placement.	41
Advisement, Academic.	63
Aerospace Studies, Department of.	179
Alumni Affairs, Office of.	22
Alumni Association, Inc.	22
Art, Department of.	119
Athletics.	35
Auditing Courses.	61
Automobile, Registration of (<i>See ID Center</i>).	20
Awards, Special Honors and.	56

B

Biology, Department of.	180
Board of Trustees.	317
Bookstore.	18
Business, College of.	82-93

C

Calendar, University.	7
Campus Ministry.	25
Catalog Revision Committee.	346
Centers:	
Adult and Continuing Education.	151
Career Services.	93
Curriculum, C. Thompson.	96
Early Childhood L. Thornton.	96
Excellence in Education, B. Mosley.	96
Interdisciplinary Alcohol and Drug Studies.	149
M. W. Alexander National Research.	149
Professional Test Preparation Clinic.	96
Richard Wright Center for the Written Word.	72
Service and Community Engaged Learning.	26
Social and Clinical Counseling.	28
Student Leadership and Involvement.	27
Technology Transfer.	162
Certificate Programs:	
Accounting.	93
Chair, Endowed:	
Joseph H. Jackson.	97
Change of Major.	75
Chemistry, Department of.	187
Civil and Environmental Engineering, Department of.	169
Class Attendance Policy.	62
Classification of Students.	60
Class Council.	29
CLEP, Credit by.	41
Clinical Counseling Center, Social and.	28
Code of Conduct, Principles for Collegiate.	10
Colleges:	
Business.	82-93
Education and Human Development.	94-117
Honors.	76-78
Liberal Arts.	118-149
Lifelong Learning.	150-156
Public Service.	157-167
Science, Engineering and Technology.	168-202
University.	79-81
Communications, Office of University.	23
Communicative Disorders, Department of.	158
Community Service/Service-Learning.	26, 80
Computer & Communications Engineering, Department of.	173
Computer Science, Department of.	176
Concentration, Areas of.	66
Continuing Education Learning Center.	152
Course, Adding and Dropping.	62
Course Description Index.	208
Course Descriptions.	209-315
Course Numbering System.	61
Course, Policy to Repeat a.	65
Criminal Justice and Sociology, Department of.	121
Criminal Justice Program.	121

D

Degree Programs. 68-69

Departments:

Accounting.	85
Aerospace Studies.	179
Art.	119
Biology.	180
Chemistry.	187
Civil Engineering and Environmental Engineering.	169
Communicative Disorders.	158
Computer and Communications Engineering.	173
Computer Science.	176
Criminal Justice and Sociology.	121
Educational Leadership.	105
Elementary and Early Childhood Education.	100
Economics, Finance and General Business.	86
English and Modern Foreign Languages.	123
Entrepreneurship and Professional Development.	89
Health, Physical Education and Recreation.	108
Health Policy and Management.	158
History and Philosophy.	129
Management and Marketing.	91
Mass Communications.	131
Mathematics.	194
Military Science.	137
Music.	138
Physics, Atmospheric Science, and Geoscience.	197
Political Science.	144
Professional Interdisciplinary Studies.	155
Psychology.	146
School, Community and Rehabilitation Counseling.	100
Special Education.	112
Speech Communication and Theatre.	147
Technology.	202

Development Foundation, Inc.	22
Development, Office of.	23
Developmental and Enhancement Studies.	80
Developmental Courses, Descriptions of.	79
Directory.	5
Disabilities, Students and Employees with.	20, 43
Division of Library and Information Resources.	21
Division of Undergraduate Studies.	70-81
Dual Degree Requirements.	67, 75

E

Economics, Finance and General Business, Department of.	86
Education and Human Development, College of.	94-117
Educational Leadership, Department of.	105
Elementary and Early Childhood Education, Department of.	100
Engineering, School of.	168
English and Modern Foreign Languages, Department of.	123
Entrepreneurship and Professional Development, Department of.	89
Expenses.	44

F

Facility Legend (Campus Map).	4
Faculty.	319-328
FAFSA (Federal Aid Application).	46

Fees:

Audit.	45
Change of Schedule.	45
Expenses.	44
Late Registration.	45
Non-resident.	45
Refund.	45
Room and Board.	45
Room Deposit/Reservation.	44
Transcript.	45
Tuition.	44

Financial Aid.	46-51
Financial Service, Office of.	18
First Year Experience, The.	71-72
Food Services.	19

G

General Education Requirements.	73-74
Grade Reporting, Mid-Term.	62
Grades and Quality Points.	59
Graduation Ceremonies.	67, 75
Graduation with Distinction.	62
Graduation Requirements.	66, 74
Grievance Procedure, Students Academic.	65

H

Hall, Jacob L. Reddix.	12
Health Policy and Management, Department of.	158
Health Careers Program, Pre-professional.	187
Health, Physical Education and Recreation, Department of.	108
Health Sciences, School of.	157
Health Services.	27
History and Philosophy, Department of.	129
History of the University.	11
HIV/AIDS's Project.	28
Honors at Graduation.	78
Honors and Awards, Special.	56
Honors College, W.E.B. Du Bois.	31, 76
Honors Program (NIH-MARC).	32, 78
Honor Societies.	77-78
Hour, Semester.	59
Housing, Student.	19

I

I.D. Center.	20
Identification Cards.	20
Information Technology.	17
Institutional Advancement and University Communications, Office of.	22

Institutional Aid Program, Title III.	35
Institutional Research and Planning.....	18
International Program, Office of.	32

J

Judicial Affairs.....	27
-----------------------	----

L

Liberal Arts, College of.	118-149
Library, Division of Library and Information Resources.	21
Lifelong Learning, College of.	150-156
Load, Student Academic.	59
Loans.	47

M

Major.	66, 75
Management and Marketing, Department of.	91
Mass Communications, Department of.	131
Mathematics, Department of.	194
McNair Scholars Program.	27
Memberships, University.	10
Mid-Term Grade Report.....	62
Military Science, Department of.....	137
Military Science Program.....	32
Mission Statement, University.....	10
Modern Foreign Languages.	127
Music, Department of.....	138

N

Name and Address Change.....	62
National Chapters of Honor Societies.	77-78
Non-Resident Fee.....	45

O

Orientation and Welcome Week Program, Freshman.....	71
---	----

P

Pan Hellenic Council.	30
Physical Facilities.....	12
Academic Buildings.	13
Auxiliary Buildings.	14
Student Residential Communities.	15
Physics, Atmospheric Sciences and Geoscience, Department of.....	197
Policy and Planning, School of.....	161
Political Science, Department of.	144
Post Office.	18
Pre-professional Health Careers Program.	187
Professional and Field Based Experiences, Office of.....	96
Professional Education Council.....	95
Professional Interdisciplinary Studies.	155
Program, Young Scientists.....	32

Programs, Organization of Instructional.	12
Psychology, Department of.	146
Public Relations, Office of.....	23
Public Safety (Campus Police).....	19
Public Service, College of.	157-167
Publications, Office of.....	23
Publications, Student.	31

R

Radio Station (WJSU-FM).....	23
Recording Studio.	18
Recovery of Funds (Overpayment).....	50
Refund (see Tuition Policy Adjustment).	45
Registration.	61
Religious Council.....	30
Repeat a Course Policy.....	65
Research Initiative for Scientific Enhancement (RISE).	78
Resident Halls (Student Housing/).	19
Residence Requirements.	41
Residential Council.	30
Room and Board Fees.	44

S

Schedule Changes (Course Add/Drop).....	62
Scholarships.	51-57
Freshmen Academic.	51
Junior/Community College Students.	52
Leadership.	52
Presidential Scholarship.....	52
Others.....	54-57
Scholastic Recognition.....	62, 77
Dean's List.	62
Graduation with Distinction.....	62
President's List.....	62

School, Community and Rehabilitation Counselor, Department of.....	100
---	-----

Schools:

Communications.....	76
Engineering.	76, 168
Fine and Performing Arts.....	76
Health Sciences.	76, 157
Instructional Leadership.....	76
Policy and Planning.	76, 161
Science and Technology.....	76, 179
Social and Behavioral Science.....	76
Social Work.	76, 163

Science and Technology Access to Research and Graduate Education (STARGE).....	78
Science and Technology, School of.....	179
Second Degree, Requirements.	67, 75
Social and Clinical Counseling Center.....	28
Social Work Program.....	163

350 \ JACKSON STATE UNIVERSITY

Sociology, Department of Criminal Justice and. 121
Sociology Program. 122
Special Education, Department of. 112
Special Interest Council. 30
Speech Communications and Theatre, Department of. 147
Sports Media Relations, Office of. 23
Sports, Intercollegiate Athletic Mission. 35
Staff. 329-345
Student Center, Jackson State University. 26
Student Housing (/Residence Halls). 19
Student Life, Division of. 25
Student Organizations/Student Government Association. 28
Students Responsibilities. 58-64
Student Services. 25
Student Teaching (Admission to Teacher ED Programs). 97
Students, Admission of Transfer. 38
Summer Sessions. 12
Superior Students, Provisions for. 31
Supporting Organizations. 22

T

Teacher Certification. 97
Teacher Education, Admission to. 97
Technology, Department of. 202
Telecommunications Engineering. 175
Telephone Service. 18
Television Station (LPTV - W23BC). 24
Title III–Institutional Aid Program. 35
Tours. 18
Transcript Fee. 45
Transcripts. 65
Transient Non-Degree Student. 39
Transfer of Credits. 39, 65
Transfer Students, Admission of. 38
Tuition and Fees. 44
Tuition Policy Adjustment. 45

U

University College. 79-81
University Communications, Office of. 23
University, Description of. 10
University Services. 17
Urban Studies Program. 161

V

Veterans Affairs. 43
Verification Policies and Procedures. 49

W

W23BC (TV23–Television Station). 24
WJSU-FM (Radio Station). 23
Wesley Foundations, Inc. 26
Who’s Who Among Students in American Colleges
and Universities. 57
Withdrawal from University/Class. 61

Y

Young Scientist Program. 32

**The JSU Cyber Café
JAVA NEWS**



JSU Tiger World



JACKSON STATE UNIVERSITY
INSTRUCTIONS FOR APPLYING FOR ADMISSION
AS AN UNDERGRADUATE STUDENT
(Retain for your information)

ENTERING FRESHMEN:

Complete the application and mail to the Director of Undergraduate Admissions, P.O. Box 17330, Jackson, MS 39217-0330, or by the World Wide Web at www.jsums.edu.

Notify your high school that a transcript must be sent to Jackson State University. Scores from the American College Test (ACT) must be received before action can be taken on your request for admission.

TRANSFER STUDENTS:

Complete the application and mail to the Director of Undergraduate Admissions, P.O. Box 17330, Jackson, MS 39217-0330 or by the World Wide Web at www.jsums.edu.

Request registrar(s) at the college(s) previously attended to furnish the Director of Undergraduate Admissions at Jackson State University with a transcript of your work at that College. An official transcript must be submitted from every college attended. Present scores from the American College Test (ACT) and/or Standard Achievement Test (SAT).

The Application cannot be considered for admission until all credentials (application, transcript(s), and ACT/SAT score(s) are received by the Office of Undergraduate Admissions. Deadlines are listed below:

SEMESTER	DEADLINE	REGISTRATION
Fall	August 1 st	August
Spring	December 1 st	January
Summer	May 1 st	May

HOUSING: Residence Hall assignments are secured by corresponding with the Director of Housing, P.O. Box 17540, Jackson, MS 39217-0340.

HOW TO APPLY:

(APPLICATION PROCEDURES FOR FRESHMEN)

Each entering freshman applicant is required to:

1. Present an application for admission.
2. Present an official high school transcript which lists the date of graduation, class rank, and grade point average which indicates credit in the following College Preparatory Core (CPC) units in grades 9-12:

SUBJECT	# OF UNITS	EXAMPLES
English	4 units	All must require substantial communication skills
Mathematics	3 units	Includes Algebra I, Geometry, Algebra II, or a high math
Sciences	3 units	Choose from Biology, Chemistry, Physics, or their advanced sequences, or any other course of comparable rigor and content. Two courses must be lab based.
Social Studies	3 units	Must include 1 unit of American History, 1 unit of World History, ½ unit of Government, and ½ unit of either Economics or Geography.
Required Electives	2 units	1 unit must be either a foreign language or World Geography; the second unit can be either a foreign language, World Geography or a 4 th Math or 4 th Science unit.

For an applicant to be fully admitted to JSU, one of the following combination of curriculum, test scores and grade point average must be attained:

1. Complete CPC with a minimum 3.20 GPA is exempted from ACT or SAT; or
2. Complete CPC with a minimum 2.50 GPA or be in the top 50% of class and 16 or higher ACT, or the SAT equivalent; or
3. Complete CPC with a minimum 2.00 GPA, and 18 ACT or the SAT equivalent.

If an applicant meets all of the above requirements except for the full CPC, he/she may be admitted with up to two curriculum deficiencies (but no more than one in any allowable area; English and Mathematics areas are not allowed deficiencies). Freshman applicants who do not meet the

above listed standards will be required to participate in a screening process that will include the diagnostic test, ACCUPLACER. Depending on the level of development diagnosed through ACCUPLACER, an applicant may be moved directly into a full admission category. Those students will be encouraged to participate in an Academic Support Program. If the ACCUPLACER indicates the need for remediation, those applicants will be fully admitted with deficiencies for the Summer term and will be required to enroll in a Summer Developmental Program designed to strengthen the students' skills in areas requiring remediation. Students who successfully complete this summer program by passing at minimum the English and mathematics courses, will be considered to have made satisfactory academic progress and will continue their regular programs of study during the fall term with mandatory participation in the Academic Support Program. Students who fail to complete the Summer Remedial Program are considered to have made unsatisfactory academic progress and are not eligible for enrollment in the regular academic year. These students will be counseled to explore other post-secondary opportunities. The Summer Remedial Program will consist of the following individualized courses in which the applicant has deficiencies: English, reading, mathematics, and support labs. The individual courses are three (3) credit hours and each lab will be one (1) hour. Students carrying a course load of 12 semester hours will be considered full time.

Realizing that applicants from other states may not have the same curriculum opportunities as our instate applicants, those students will be required to achieve curriculum standards that would be considered equivalent in rigor and content to the College Preparatory Core. An applicant who graduates from high school prior to the Spring 1995, may be admitted under the requirements in effect for the year graduated. These requirements apply only to first-time entering students.

HOW TO APPLY: (APPLICATION PROCEDURES FOR TRANSFER STUDENTS)

Each new student who has attended other colleges or universities and who is seeking admission to an undergraduate college is required to file with the Office of Undergraduate Admissions an application for admission. He or she should also request the authorities at each institution attended to send an official transcript of his or her record to the Office of Undergraduate Admissions. The student who is applying with fewer than twenty-four (24) semester hours of college credit acceptable by this University must also have sent to the Office of Undergraduate Admissions an official high school transcript showing the date of graduation. The applicant must also provide an official report of the ACT/SAT scores directly from the testing service. Applications will be processed and admission status determined when all required items, including the ACT/SAT where applicable, are on file.

Any perspective transfer student who has achieved all of the standards as specified by the Board of Trustees for admission to the universities under the governance of the Board of Trustees but who choose to attend an institution not under the governance of the Board of Trustees may transfer at any time to an institution under the Board of Trustees. This does not alter individual institutional requirements regarding transfer students.

Any student who did not meet freshman requirements at the time of high school graduation must attend an accredited institution of higher learning other than those under the governance of the Board of Trustees and must attain a "C" average (2.0 GPA on a 4.0 scale) in the following twenty-four (24) semester credit hours:

- 6 semester hours of English Composition
- 3 semester hours of College Algebra or a higher math course
- 6 semester hours Laboratory Science
- 9 semester hours Transferable Electives

The applicant also must show that he or she has earned an overall GPA of 2.0 on all course work attempted or have earned an associate degree or its equivalent) from an accredited institution. Developmental courses in English, mathematics, and reading will not be accepted for transfer credit, nor will the grades and hours be used in computation of the individual GPA for admission to the University.

Transfer students may be accepted from the institution of higher learning only when the program of the transferring institution is acceptable to the receiving institution, the program of studies completed by the student meets the requirements established above, and the quality of work performed by the student is acceptable to the Board of Trustees. The authorities at the institutions under the jurisdiction of this Board are authorized to require acceptable scores on recognized tests for such transfer students. No student seeking to transfer during the midst of the session, quarter, semester, or trimester of the institution in which he or she is currently enrolled can be considered.

A student currently enrolled in another institution at the time he or she makes application for admission for the following session to one of the undergraduate colleges of this University should arrange to have forwarded to the Office of Undergraduate Admissions an official transcript which includes a listing of courses in progress as well as all completed work. Transfer credit is accepted only from institutions of higher learning which are accredited by a regional accrediting agency or the Mississippi Commission on College Accreditation.

The student must indicate on the application all previous college attendance. An applicant is not permitted to ignore previous college attendance or enrollment. A student who misrepresents information in filling out the admission application form or a student who finds after admission or enrollment that he or she is ineligible for academic or any other reason to return to his or her institution and who fails to report this immediately to the Office of the Registrar and Records will be subject to disciplinary action, including possible dismissal from the University.

UNDERGRADUATE APPLICATION FOR ADMISSIONS

Jackson State University
1400 J.R. Lynch Street, P.O. Box 17330
Jackson, Mississippi 39217-0133
WEB ADDRESS: www.jsums.edu

Telephone: (601) 979-2100 (locally)

1-800-848-6817 (In or Out-of-State)

INSTRUCTIONS: Please Print Clearly. The following information will become part of your permanent record. All blanks **MUST** be filled in. The admission record is not complete until all required credentials are received.

E-mail Address: _____
(Please Print Clearly)

Social Security Number: _____ - _____ - _____ Name: _____

Address (Mailing): _____ City: _____ State: _____ Zipcode: _____
Last First Middle/Maiden

County: _____ Phone: () _____ Male: _____ Female: _____ Date of Birth: _____ / _____ / _____

U.S. Citizen? ☐ Yes ☐ No Race: _____ Religion (Optional): _____ Do you have any disabilities?(Optional) ☐ Yes ☐ No

ACT/SAT Score: _____ High School Code: _____ High School Attended: _____

College(s) attended (Most Recent First)	Address: City and State	Date of Attendance	Degree Awarded

NOTE: An official transcript from each institution **MUST** be submitted to the Office of Undergraduate Admissions before action can be taken on your application.

Please list a contact person in case of emergency:

Name Address Telephone Relationship

Entrance Date: ☐ FALL ☐ SPRING ☐ SUMMER YEAR _____ Expected Enrollment: ☐ Full-time ☐ Part-time

Expected Enrollment Classification: ☐ Freshman ☐ Transfer ☐ Special (21 years or older) ☐ Readmit (Year(s) Attended: _____)

Expected Enrollment Intent: ☐ To earn Bachelor's Degree ☐ To upgrade skills ☐ To earn credits to transfer
☐ To earn Certificate/Work ☐ To earn 2nd undergraduate degree ☐ To earn ROTC crossover credit

Please check the major area of study:

- | | | | |
|---|--|---|---|
| <input type="checkbox"/> Accounting | <input type="checkbox"/> Computer Science | <input type="checkbox"/> Drafting&Design Tech. _____ | <input type="checkbox"/> Music Technology _____ |
| <input type="checkbox"/> Art | <input type="checkbox"/> Information Systems _____ | <input type="checkbox"/> Electronic Engrng Tech. _____ | <input type="checkbox"/> Physics |
| <input type="checkbox"/> Biology | <input type="checkbox"/> Mathematics-Oriented _____ | <input type="checkbox"/> Electronic Technology _____ | <input type="checkbox"/> Applied Physics _____ |
| <input type="checkbox"/> Biology Education _____ | <input type="checkbox"/> Criminal Justice | <input type="checkbox"/> Hazardous Materials Mgmt _____ | <input type="checkbox"/> Atmospheric Physics _____ |
| <input type="checkbox"/> Environment Science _____ | <input type="checkbox"/> Corrections _____ | <input type="checkbox"/> Industrial Mgmt Tech. _____ | <input type="checkbox"/> Chemical Physics _____ |
| <input type="checkbox"/> Marine Science _____ | <input type="checkbox"/> Juvenile Justice _____ | <input type="checkbox"/> Manufacturing Tech. _____ | <input type="checkbox"/> Computational Physics _____ |
| <input type="checkbox"/> Pre-Dental _____ | <input type="checkbox"/> Law Enforcement _____ | <input type="checkbox"/> Management | <input type="checkbox"/> General Physics _____ |
| <input type="checkbox"/> Pre-Dental Hygiene _____ | <input type="checkbox"/> Earth System Sciences | <input type="checkbox"/> Marketing | <input type="checkbox"/> Theoretical Physics _____ |
| <input type="checkbox"/> Pre-Health Records Adm. _____ | <input type="checkbox"/> Economics | <input type="checkbox"/> Mass Communications | <input type="checkbox"/> Political Science |
| <input type="checkbox"/> Pre-Nursing _____ | <input type="checkbox"/> Education Technology | <input type="checkbox"/> Advertising _____ | <input type="checkbox"/> American Studies _____ |
| <input type="checkbox"/> Pre-Optometry _____ | <input type="checkbox"/> Elementary Education | <input type="checkbox"/> Broadcast Journalism _____ | <input type="checkbox"/> International Studies _____ |
| <input type="checkbox"/> Pre-Pharmacy _____ | <input type="checkbox"/> English | <input type="checkbox"/> Broadcast Production _____ | <input type="checkbox"/> Pre-Law _____ |
| <input type="checkbox"/> Pre-Physical Therapy _____ | <input type="checkbox"/> Entrepreneurship | <input type="checkbox"/> News Editorial _____ | <input type="checkbox"/> Professional Interdisciplinary |
| <input type="checkbox"/> Pre-Physician Assoc. _____ | <input type="checkbox"/> Finance | <input type="checkbox"/> News Edit./Pub Relatns _____ | <input type="checkbox"/> Studies |
| <input type="checkbox"/> Pre-Veterinary Medicine _____ | <input type="checkbox"/> Modern Foreign Languages | <input type="checkbox"/> Mathematics | <input type="checkbox"/> Psychology |
| <input type="checkbox"/> Business Administration | <input type="checkbox"/> Health Care Administration | <input type="checkbox"/> Pre-Engineering _____ | <input type="checkbox"/> Social Science Education |
| <input type="checkbox"/> Chemistry | <input type="checkbox"/> Health, Phy. Ed. & Recreation | <input type="checkbox"/> Mathematics Education | <input type="checkbox"/> Ethnic Studies _____ |
| <input type="checkbox"/> American Chem Soc Cert _____ | <input type="checkbox"/> Health _____ | <input type="checkbox"/> Meteorology | <input type="checkbox"/> Social Work |
| <input type="checkbox"/> Biomedical Science _____ | <input type="checkbox"/> Physical Education _____ | <input type="checkbox"/> Music Education | <input type="checkbox"/> Sociology |
| <input type="checkbox"/> Environmental Science _____ | <input type="checkbox"/> Recreation Admin. _____ | <input type="checkbox"/> Instrumental _____ | <input type="checkbox"/> Special Education |
| <input type="checkbox"/> Forensic Science _____ | <input type="checkbox"/> History | <input type="checkbox"/> Jazz _____ | <input type="checkbox"/> Speech Communications |
| <input type="checkbox"/> Pre-Chemical Engineering _____ | <input type="checkbox"/> African American Hist. _____ | <input type="checkbox"/> Keyboard _____ | <input type="checkbox"/> Drama _____ |
| <input type="checkbox"/> Pre-Dental _____ | <input type="checkbox"/> American History _____ | <input type="checkbox"/> Vocal _____ | <input type="checkbox"/> Speech Comm. Studies _____ |
| <input type="checkbox"/> Pre-Medical _____ | <input type="checkbox"/> European History _____ | <input type="checkbox"/> Music Performance | <input type="checkbox"/> Speech Education _____ |
| <input type="checkbox"/> Pre-Pharmacy _____ | <input type="checkbox"/> Industrial Technology | <input type="checkbox"/> Church Music _____ | <input type="checkbox"/> Technology Education |
| <input type="checkbox"/> Child Care & Family Educatn | <input type="checkbox"/> Airway Science _____ | <input type="checkbox"/> Piano Performance _____ | <input type="checkbox"/> Telecommunications Engrng |
| <input type="checkbox"/> Civil Engineering | <input type="checkbox"/> Computer Technology _____ | <input type="checkbox"/> Vocal Performance _____ | <input type="checkbox"/> Urban Studies |
| <input type="checkbox"/> Communicative Disorders | <input type="checkbox"/> Construction Mgmt Tech _____ | <input type="checkbox"/> Instrumental Performance _____ | <input type="checkbox"/> Undecided |
| <input type="checkbox"/> Computer Engineering | | | |

I certify that the information in this application is true and correct. I understand that misrepresentation or omission of information will be cause for dismissal and lost of credit. Furthermore, I give permission for a copy of my academic transcript(s) to be released according to the policies of the Institution.

Signature of Applicant

Date