



Graduate Bulletin 2002-2003

The University of Southern Mississippi
Hattiesburg, Mississippi 39406-5024

GENERAL BULLETIN ISSUE
GRADUATE PROGRAMS
ANNOUNCEMENTS
2002-2003

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The University of Southern Mississippi uses a portion of educational and general funds, including tuition and fees, for operating costs, including merit scholarships.

Students at The University of Southern Mississippi are responsible for knowing and complying with all requirements for their respective degrees as stated herein.

The colors of the University are black and gold.

The mascot is the Golden Eagle.

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Correspondence

Requests for a *Bulletin*, an application form, or information concerning admissions policies and procedures, room and board, and tuition may be addressed to:

Graduate Admissions
The University of Southern Mississippi
Box 10066
Hattiesburg, Mississippi 39406-0066

Website address: www-dept.usm.edu/~gradsch
e-mail address: gradsch@www-dept.usm.edu

Other correspondence may be addressed as follows:

Dean, Graduate School
Box 5024

Dean, College of the Arts
Box 5031

Dean, College of Business Administration
Box 5021

Dean, College of Education and Psychology
Box 5023

Dean, College of Health and Human Sciences
Box 10075

Dean, College of International and Continuing Education
Box 10047

Dean, College of Liberal Arts
Box 5004

Dean, College of Marine Sciences
P.O. Box 7000
Ocean Springs, MS 39564

Dean, College of Nursing
Box 5095

Dean, College of Science and Technology
Box 5165

The University of Southern Mississippi
Hattiesburg, Mississippi 39406



Introduction

The University of Southern Mississippi and its Board of Trustees were established by an act of the Legislature approved on March 30, 1910, by Governor Edmund F. Noel. Its first name was the Mississippi Normal College, and its original purpose was to train teachers for the rural schools of Mississippi. On February 2, 1932, the Legislature established the Board of Trustees of State Institutions of Higher Learning and placed under its jurisdiction the five colleges and one university owned and operated by the state. On November 3, 1942, the people of the state voted to make the Board of Trustees of State Institutions of Higher Learning a constitutional board for all colleges and universities of the state. The University of Southern Mississippi is now operated under the jurisdiction of that constitutional board.

The act of March 30, 1910, did not provide any state money for the building of Mississippi Normal College, but did provide that localities in the state might bid for its location by offering land for a site and money for constructing buildings. On September 16, 1910, the Board of Trustees accepted the bid of Hattiesburg and Forrest County to supply \$250,000.00 and a free site. That site was west of the city in cut-over timberland with great pine stumps everywhere. Contracts were let to clear the land and to build buildings.

The five permanent buildings (College Hall, Forrest County Hall, Hattiesburg Hall, the Industrial Cottage [now the Honor House], and the President's Home [now the Alumni House]), a temporary wooden Dining Hall, and other necessary improvements were barely finished when the Mississippi Normal College opened on the rainy morning of September 18, 1912, with a president, a faculty of eighteen, and a student body of 200.

On October 17, 1911, Joseph Anderson Cook, Superintendent of Schools, Columbus, Mississippi, was elected president. The University of Southern Mississippi has had only seven presidents since its founding. The Board of Trustees elected Claude Bennett president effective October 10, 1928. On April 23, 1933, the Board of Trustees elected Dr. Jennings Burton George as the third president, effective July 1, 1933. On June 13, 1945, the Board of Trustees elected Dr. Robert Cecil Cook as the fourth president and he officially assumed office on July 1, 1945. On October 21, 1954, President Cook submitted his resignation. He served until December 31, 1954, and Dr. Richard Aubrey McLemore became acting president on January 1, 1955. The Board of Trustees, on May 19, 1955, elected Dr. William David McCain as the fifth president. He officially 1955.

Purpose Statement

The University of Southern Mississippi recognizes the interdependence of teaching, research, and service. It is therefore dedicated to the pursuit of excellence in each of these areas, as well as in its support operations, with the goal of achieving and maintaining the highest possible quality throughout the university.

The University of Southern Mississippi is committed to quality education. In its undergraduate programs and in its graduate and professional programs that aim for national distinction, it seeks to educate students who will be well trained in their chosen profession, whose critical thinking skills and respect for learning will foster lifelong learning, and who recognize their obligation to contribute to their society—whether local, national, or international.

This education will be provided by a community of scholars who are dedicated to high standards of original inquiry and creative expression and to the principles of intellectual freedom. The university affirms its support for sound research, scholarship, and creative activity that will expand the boundaries of human knowledge, inspire superior teaching, and in their applications improve the quality of life of the citizens of Mississippi and the world.

With the understanding that teaching and research must complement service to society, the University of Southern Mississippi pledges to pursue its goals in an educational atmosphere that affirms a commitment to the preservation of our planet's environment and a recognition of the increasing importance of international understanding. The University teaches respect for diversity of ideas, beliefs, and cultures, as well as for the cultural heritage of its own constituents'. It seeks to attract and nurture a faculty, staff, and student body who reflect this diversity, while working always to enhance life locally and regionally. In short, the University of Southern Mississippi strives for excellence.

The University of Southern Mississippi values quality teaching and intellectual achievement, research and creative expression, personal development, quality programs and services, and the maximum use of resources. These values are supported by the following goals:

- Commitment to quality teaching and intellectual achievement by encouraging learning based on rational inquiry, problem solving, challenge, creativity, and intellectual initiative; developing an appreciation of culture and the liberal arts; attracting and retaining a highly qualified and diverse faculty, staff, and student body; and creating an appreciation for diversity .
- Commitment to research and creative expression by preserving and refining existing bodies of knowledge and expanding and communicating new knowledge.
- Commitment to personal development by creating a supportive environment characterized by opportunities for leadership development; enhancing communication skills; developing cooperative attitudes in problem solving through team-work methods; creating an awareness

General Information

Publications

The University of Southern Mississippi has four publications each year; the *Undergraduate Bulletin*, the *Graduate Bulletin*, the *Independent Study Bulletin*, and the *Regional Campus Publication*.

USM Libraries

Library services at The University of Southern Mississippi are provided at four locations: the Joseph Anderson Cook Library, the William David McCain Library and Archives, the Richard G. Cox Library, and the Gunn Education Materials Center.

The Joseph Anderson Cook Library

The Joseph Anderson Cook Library contains the principal collections of books, journals, microforms, music, media, and other materials which support the research and instructional programs of the University at all levels. Book stacks and reading areas are intermingled throughout the building, and the open shelf method of access to materials is utilized. Access is provided to a variety of fulltext databases, bibliographic databases, and Internet resources on a wide range of subjects. The collections are arranged according to the Library of Congress Classification System. The Library is currently acquiring approximately 23,000 new volumes annually and maintaining 5,000 print and over 14,000 electronic journal titles.

The William David McCain Library and Archives

The William David McCain Library and Archives houses the special collections and archives of The University of Southern Mississippi. Resources are available for use by the public and the University community in the Cleanth Brooks Reading Room. Materials housed in this facility do not circulate outside the building. The online catalog and other descriptive finding aids serve as points of access to the collections. Among the notable holdings of McCain Library and Archives are the Mississippiana and Genealogy Collections; the de Grummond Children's Literature Collection; the papers of William M. Colmer, Theodore G. Bilbo, and Paul B. Johnson; the Walen Collection of Confederate and Civil War History; and the Cleanth Brooks Collection of belles lettres.

The Richard G. Cox Library

The Richard Cox Library serves as a resource center for the Gulf Coast Regional Campus and a new library facility is scheduled for opening in 2002. It contains collections of print and non-print materials which directly support the instructional program and include 37,000 volumes in the Curriculum Lab. The Library currently subscribes to almost 400 serial titles with online, fulltext access to many others. Holdings on the Gulf Coast campus are supplemented by the print and electronic resources of the Hattiesburg campus.

The Gunn Education Materials Center

The Gunn Education Materials Center, located in Owings-McQuagge Hall, contains books and other printed materials, audiovisuals, and computer software which directly support the teacher education K-12 program and graduate education programs.

The University of Southern Mississippi Museum of Art

The University of Southern Mississippi Museum of Art was established in 1997 by the Board of Trustees. Located in the Fine Arts Building off Southern Drive, the Museum is composed of three exhibition galleries: The C. W. Woods Art Gallery, the Lok Exhibition Gallery, and Gallery II. Over 10,000 people visit the Museum annually.

Recent exhibitions have included "The Gentle Art of Making Enemies: The Etchings of James McNeill Whistler and Seymour Hayden" and "Faces of Freedom Summer: The Photographs of Herbert Randall," organized in conjunction with the USM Libraries and Archives. The Museum also exhibits works by USM art department faculty and students as well as the works of artists such as Walter Anderson, Marie Hull, Winslow Homer, Rembrandt van Rijn, Honoré Daumier, Dusti Bonge, Richmond Barthe, and Fairfield Porter.

In 2001-02, the Museum will present "The Art of Modern America: Paintings and Works on Paper from the Lauren Rogers Museum of Art" (August-September), "Drawings by Jim Meade" (October), an exhibition of works by USM faculty (November), and the annual senior art student exhibition (December). Following the winter break, the Museum will present a series of exhibitions entitled "Emerging Artists" that will feature the work of eight visual artists who work or live in Mississippi.

For more information about the USM Museum of Art, please call (601)266-5200.

Accrediting Agencies

The University of Southern Mississippi is accredited by the **Commission on Colleges of the Southern Association of Colleges and Schools** to award bachelor's, master's, specialist's, and doctoral degrees. Specific academic programs as noted in this *Bulletin* have been accredited by the following accreditation agencies:

AMERICAN ASSEMBLY OF COLLEGIATE SCHOOLS OF BUSINESS (314-872-8507)
600 Emerson Road, Suite 300
St. Louis, MO 63141-6762 USA

AMERICAN LIBRARY ASSOCIATION (312-280-2432)
50 East Huron St.
Chicago, IL 60611

AMERICAN PSYCHOLOGICAL ASSOCIATION (202-336-5500)
750 First Street, NE
Washington, DC 20002-4242

AMERICAN SPEECH-LANGUAGE-HEARING ASSOCIATION (301-897-5700)
10801 Rockville Pike
Rockville, MD 20852

COMMISSION ON ACCREDITATION FOR DIETETICS EDUCATION (312-899-5400)
216 West Jackson Boulevard
Chicago, IL 60606-6995

AMERICAN NUTRITION ASSOCIATION (312-4340-1106) 216 West Jackson Boulevard Chicago, IL 60606-6995

The Graduate School

Susan A. Siltanen, Associate Dean
Hattiesburg, MS 39406-5024
(601) 266-4369
<http://gradsch.mccain.usm.edu>

The Graduate School at The University of Southern Mississippi was established in 1947 to recognize the University's growing responsibilities as a center of higher learning and provide an academic environment in which advanced research and free inquiry could develop to the advantage of both the student and the State. In the years since 1947, the University's graduate programs have developed logically on the growing points of strong undergraduate schools and departments to meet the needs for professional competence beyond the academic measure of the baccalaureate degree.

In response to the need to offer graduate programs beyond the boundaries of the Hattiesburg Campus, the Board of Trustees of Institutions of Higher Learning in 1972 authorized the University to grant graduate degrees on the campus at The University of Southern Mississippi, Gulf Coast. Course work taken at the Hattiesburg and Gulf Park campuses is considered as campus work. Graduate classes taken as part of International Programming under Hattiesburg registration and accompanied by a USM professor are considered campus work also.

The Graduate Council

The Graduate School is administered by a dean executing policies determined by the Graduate Council. The present composition of the Graduate Council includes the Dean and Associate Dean of the Graduate School and elected members from the Colleges of The Arts, Business Administration, Education and Psychology, Health and Human Sciences, International and Continuing Education, Liberal Arts, Marine Sciences, Nursing, and Science and Technology. Permanent ex officio members are the President of the University and the University Librarian. The Council elects a chair from its regular members. The University Registrar serves as recording secretary to the Council. The Dean of the Graduate School serves as corresponding secretary. The Associate Dean serves as Parliamentarian.

The responsibilities of the Graduate Council, representing both administration and faculty, include:

1. Determining policies of admission to the Graduate School.
2. Considering and approving graduate programs submitted to the Council through curriculum committees of each college.
3. Electing members of the Graduate Faculty upon recommendation by the academic deans.

Specialist in Education

Adult Education	Higher Education Administration
Educational Administration	School Counseling
Educational Research	Special Education

Specialist in Library and Information Science**Master of Art Education****Master of Arts**

Anthropology	History
Communication: Mass Communication	Philosophy
Communication: Speech Communication	Political Science
Criminal Justice	Psychology
English	Speech and Hearing Sciences

Master of Arts in Teaching**Master of Arts in the Teaching of Languages****Master of Business Administration****Master of Education**

Adult Education	Educational Curriculum and Instruction
Counseling and Personnel Services	Special Education
Educational Administration	

Master of Fine Arts

Theatre	Studio Art: Drawing/Painting
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Master of Library and Information Science**Master of Music****Master of Music Education****Master of Professional Accountancy****Master of Public Health****Master of Science**

Anthropology	Hydrographic Science
Biological Sciences	Institution Management
Chemistry	Instructional Technology
Coastal Sciences	Marine Science
Communication: Mass Comm	Marriage and Family Therapy
Communication: Speech Comm	Mathematics
Computer Science	Medical Technology
Counseling Psychology	Physics
Criminal Justice	Political Science
Early Intervention	Polymer Science
Economic Development	Psychology
Educational Curriculum and Instruction	Public Relations
Engineering Technology	Recreation
Family and Consumer Studies	Science Education
Geography	Special Education
Geology	Speech and Hearing Sciences
History	Sport Administration
Human Nutrition	Technology Education
Human Performance	Workforce Training and Development

Master of Science in Nursing**Master of Social Work**

Admission Requirements and Procedures

Since applicants must always be admitted to a specific program within the Graduate School, all applications for admission to the Graduate School are closely reviewed and must be approved by the chair of the department in which the student intends to study, by the college dean, and by the Graduate Dean. U.S. citizens should obtain admission forms and should submit them to the Graduate Admissions Office. International applicants should obtain admission forms from the Office of International Admissions (see Office of International Admissions section of this **Bulletin** for specific details).

The General sections (verbal, quantitative, and analytic sections) of the **Graduate Record Examinations** (GRE) are required of all applicants to the Graduate School, except in the College of Business Administration, which requires the **Graduate Management Admissions Test** (GMAT), in some departments of the College of Education and Psychology, which accept the **Miller Analogies Test**

<u>Department/School</u>	<u>Summer 2002</u>	<u>Fall 2002</u>	<u>Spring 2003</u>	<u>Summer 2003</u>
Art	April 1	April 1	November 1	April 1
Biological Sciences		February 15	September 15	
Business Adm. MBA/MPA	April 15	July 15	November 15	April 15
Chemistry/Biochemistry		March 15		
Coastal Sciences		February 15		
Curriculum/Instruction	1st Mon. Feb.	1st Mon. April	1st Mon. Sept.	1st Mon. Feb.
Economic Development	May 10	March 20	December 13	May 9
Educational Leadership	2nd Friday in Jan.	February 15		2nd Friday, Jan.
English - Ph.D.	March 15	March 15	November 15	March 15
English - M.A.	May 10	August 2	December 13	May 9
Family/Consumer Sciences	May 10	August 2	December 13	May 9
Marriage and Family Therapy		March 1		
Foreign Language	April 20	April 20	November 15	April 20
Geography	May 10	March 20	December 13	May 9
International Development	May 10	August 2	December 13	May 9
Journalism & Mass Comm				
Masters	May 10	August 2	December 13	May 9
Ph.D.	March 1	March 15	September 1	March 1
Mathematics	May 10	August 2	December 13	May 9
Ph.D.0.75 -1.1.9(Septe/Biochst 2-0.75 -1.0588 T4379eg.cW'achst1 yaphy)-7ept 1PhN9				Mathematics

II. Conditional Admission

A student who fails to qualify for regular admission may be admitted on a conditional basis; provided, however, such student possesses a grade point average of at least 2.50 (calculated on an A equals 4.0 scale). Conditional admission can be given only upon the recommendation of the department chair, the college dean, and the Graduate Dean.

A conditional student at the master's level must maintain a grade point average of at least 3.00 on the first nine (9) semester hours of course work numbered 500 or above or on all courses taken while completing this nine (9) hour requirement. In some cases, additional requirements may be imposed by the department chair. All requirements must be met or the student will not be allowed to continue to seek a master's degree. A student not maintaining the required grade point average after the first nine (9) semester hours of course work, and/or failing to satisfy any additional requirements, will be reclassified as a discontinued student.

All courses taken to remove conditional admission must be taken on a campus of The University of Southern Mississippi. Upon recommendation of the department chair and approval by the Dean of the Graduate School, the conditional admission will be removed and the student reclassified as a regularly admitted student.

Types of Admission to Specialist's Programs

Advanced graduate programs leading to the specialist's degree are available to qualified students. An applicant may be granted regular or conditional admission to these programs, or may take course work as a non-degree graduate student with permission of the department chair and graduate dean (see *Regulations Governing Non-Degree Graduate Students*).

I. Regular Admission

Minimum Standards for Regular Admission are as follows:

- A. The applicant must hold a master's degree from an institution approved by a recognized accrediting agency.
- B. The applicant must be eligible to re-enter in good standing the last college or university attended.
- C. The applicant must present evidence, by official transcript, of a grade point average of no lower than 3.25 (figured on an A equals 4.0 scale) on previous graduate work. Applicants must also submit official transcripts from all other institutions they attended.
- D. The applicant must have at least three (3) letters of recommendation from persons qualified to assess the applicant's readiness for specialist work.
- E. Applicants must present results from the General test of the Graduate Record Examination (GRE) unless the department accepts the Miller Analogies Test (MAT)—consult specific departments for this information. For test information call the University Testing Center (266-6123).
- F. Applicants must submit other materials specified by departments, e.g., writing samples, statement of purpose, and/or resumes. **See specific departmental requirements for this information.**
- G. The appropriate department chair, college dean, and the Graduate Dean must be satisfied that the applicant shows promise of satisfying graduate degree requirements.
- H. International students should submit TOEFL scores (call 266-6123).

II. Conditional Admission

A student who fails to qualify for regular admission may be admitted on a conditional basis; provided, however, such student possesses a grade point average of at least 3.00 on previous graduate coursework. Conditional admission can be given only upon the recommendation of the department chair, the college dean, and the Graduate Dean.

A conditional student at the specialist level must maintain a grade point average of at least 3.25 on the first nine (9) semester hours of course work numbered 600 or above or on all courses taken while completing this nine (9) hour requirement. Additional requirements may be imposed by the department chair. A student should meet with the chair to be clear about these requirements. All requirements must be met or the student will not be allowed to continue to seek the degree. A student not maintaining the required grade point average after the first nine (9) semester hours of course work 600 level or above or on all courses taken while meeting this requirement, and/or failing to satisfy any additional requirements, will be reclassified as a discontinued student.

All courses taken to remove conditional admission must be taken on a campus of The University of Southern Mississippi. Upon recommendation of the department chair and approval by the Dean of the Graduate School, the conditional admission will be removed and the student reclassified as a regularly admitted student.

Even though a non-degree graduate student is allowed to take courses at the University, he or she **has not** been admitted to any department or to any degree program. Moreover, no credit earned beyond the master's degree while classified as a non-degree student may be applied toward the doctoral degree. **Non-degree graduate students must have the permission of the chair of the department offering the course and the Dean of the Graduate School to register for any graduate course.** It is the responsibility of these students to check admission standards of the individual colleges before enrolling in their courses.

A non-degree graduate student must hold a baccalaureate degree from an accredited institution. Non-degree graduate students are not eligible for financial aid.

To be allowed to continue as a non-degree graduate student, the student must consult with the department chair or academic adviser of the department in which he or she is taking courses during the first semester enrolled at the University regardless of whether or not the student plans to seek a degree.

No more than nine (9) semester hours earned while classified as a non-degree graduate student will be accepted toward a master's degree at The University of Southern Mississippi. A student must, therefore, gain conditional or regular admission before completing more than nine (9) semester hours of study for additional hours to be counted toward a master's degree.

An applicant for specialist and doctoral study may take courses as a non-degree graduate student if the department chair, dean, and Graduate Dean give their permission. However, no credit earned as a non-degree graduate student may be applied to doctoral degrees. All non-degree graduate students at the advanced level must have the permission of the chair of the department offering the course and the Dean of the Graduate School to register for any graduate course.

Limitations on University Faculty Members

Members of the faculty of The University of Southern Mississippi above the rank of instructor cannot become candidates for a doctoral degree at this institution. They may, however, enroll for graduate courses as a non-degree student. Faculty members of the rank of instructor may become candidates for doctoral degrees at The University of Southern Mississippi on the same terms as any other advanced graduate student candidate.

- V. After all credentials are received, the Graduate Admissions Office will compute the applicant's grade point average for the last 60 hours of baccalaureate classwork and will forward the application and transcript to the appropriate department chair. As soon as the application has been processed by the department chair, the college dean concerned, and the Graduate Dean, the Office of Graduate Admissions will notify the applicant of the University's decision on the request for admission. **The letter from the Graduate School is the official letter of admission.**
- VI. If a student has been admitted but has not attended USM on that acceptance, in most programs the admit status is good for only one year. Some departments require a new application if the student does not enroll the semester he/she is admitted. After that time all paperwork (transcripts, etc.) is shredded and a student must reapply for admission.
- VII. Students whose native language is not English and have recently come to the United States are required to take the TOEFL exam to demonstrate English proficiency.

International Admissions

Office of International Student Affairs

The Office of International Student Affairs coordinates all facets of international admissions and student services. The ISA provides counseling on immigration regulations, personal matters, culture

Admission Procedure:

1. Write to the Office of International Student Affairs, Hattiesburg, MS 39406-5151 USA for information and application forms to the University's graduate programs.
2. Complete the forms properly and return with a \$25.00 processing fee to the address above. The application and supporting documents must be received no later than two (2) months prior to the registration date desired.
3. Have all official transcripts and diplomas from all former institutions attended sent to the Office of International Students Affairs. Please note unauthorized photo copies are NOT acceptable. Transcripts should be in native language with certified English translations.
4. Have all appropriate official test scores sent to the Office of International Student Affairs.
5. Have at least three letters of recommendation from persons qualified to assess the applicant's readiness for graduate study sent to Office of International Student Affairs.
6. After all application materials are received, the applicant's file will be sent to the appropriate department and college dean, then to the Graduate Dean. The Office of Graduate Admissions will notify the applicants of the admission decision. **The letter from the Graduate School is the official letter of admission.**

A Certificate of Eligibility for exchange Visitor Status (Form IAP-66 for a J-1 visa) or a Certificate of Eligibility for Student Status (Form I-20 for an F-1 visa) is issued only to those applicants who have been officially admitted to the University.

Immunization

If born after 1956, a Certificate of Compliance is required. International students may have additional requirements (contact International Admissions).

General Degree Requirements

Master's Degree Requirements

I. Credit Hours

A minimum of thirty (30) semester hours credit is required for any master's degree. Many departments require more than the minimum. Consult specific college and departmental requirements for additional information. A 3.0 GPA in the masters program is required for graduation.

II. Time Limitation

The student must complete the master's degree within six calendar years from the date of initial enrollment in a graduate program. Six years is the maximum age allowed for graduate credits toward a master's degree. The Graduate Dean, under extenuating circumstances, and special petition, may revalidate over-age credit hours if the original credit was earned at The University of Southern Mississippi and if the department chair and dean of the college concerned approves the revalidation. The idation.

D. Leave of Absence

Under special circumstances such as illness, family hardship, or military service a student may request a leave of absence. Leaves of absence will be granted for one semester or longer as circumstances warrant. Requests for a leave of absence should be submitted in writing to the department chair or director. The chair or director will then forward his or her recommendation to the dean of the Graduate School for consideration. The Graduate Dean will notify the student and chair or director of the decision. Normally, requests should be submitted at least one semester before the leave of absence.

VIII. The Master's Thesis

- A.** The degree of Master of Arts entails the writing of a thesis (**698. Thesis, 6 hrs.**). For the degrees of Master of Science and Master of Education, some programs offer a non-thesis option. Students intending to pursue a degree higher than the master's are encouraged to write a thesis.
- B.** As appropriate, the Human Subjects Protection Review Committee and/or the Institutional Animal Care and Use Committee must approve the thesis method before the thesis is begun. The signed approval forms and approval letter must be included in an appendix. (See **The Use of Human Subjects** section of this Bulletin.)
- C.** A separate bulletin outlining University requirements concerning the preparation of theses is available in the Graduate Office or on the Web at <http://www-dept.usm.edu/~gradsch/gradread.html>.
- D. Oral Defense of Thesis.** After the thesis has been accepted and after all required course work has been completed, final oral examination on the thesis will be conducted by the student's thesis committee and any other faculty members designated by the Graduate Dean. The examination will be open to any member of the graduate faculty. The Thesis Committee Chair should submit the results of the oral defense of the thesis form to the Graduate School immediately following the defense. A copy of the thesis title page should also be submitted.
- E.** Students are responsible for meeting the thesis deadlines that are listed on the Thesis-

may require a preliminary examination to determine the student's qualifications to pursue a doctoral degree and to assist the student's advisory committee in planning the degree program. The details of the qualifying examination, including the time, date, and place of administration, will be determined by the particular department. The results of the qualifying exam form should be submitted to the Graduate School.

VIII. Plan of Study Form

This form should be submitted to the Graduate School by the student's second semester.

- should make appointments with the Graduate Reader and allow ample time for revisions.
- E. Students are responsible for meeting the dissertation deadlines that are listed on the Thesis-Dissertation Deadline Schedule in this **Bulletin** and on the graduate school web page. If a student fails to meet the final deposit deadline, his/her degree will be awarded the next semester. The student must enroll for one (1) hour of 797 that semester.
 - F. **The Dissertation Oral Defense.** After the dissertation has been accepted and at least **six weeks** before the candidate is scheduled to receive the degree, a final oral examination of the dissertation and related fields will be conducted by the student's doctoral committee and any other faculty members designated by the Graduate dean. The examination will be open to any member of the graduate faculty. The results of the oral defense form should be submitted to the Graduate School immediately following the defense. After the doctoral committee members have been adequately consulted about the results of the student's research as well as the form and condition of the dissertation, the committee chair will schedule the defense with the Graduate School and other appropriate offices at least **ten working days** in advance of the defense. The meeting will be open to any member of the faculty and, at the discretion of the chair, may be opened to the public.

The chair, with advice from the committee, has complete authority for the conduct of the defense. The chair may recognize those wishing to ask questions about the candidate's research. Questions and resulting discussion should be appropriate for this important event. The chair may end the open part of the defense by restricting the meeting to the committee after an appropriate time. Discussion of the results of the defense must be limited to the committee members. A majority vote will determine the result of the defense and shall be reported to the Graduate School at the close of the meeting by the chair of the doctoral committee.

XIII. Documents

The doctoral student must have the documents listed below on file with the Graduate School. Students are advised to check their files in the Graduate School for completeness of documentation.

- A. **Qualifying Exam Results Form.** The department chair or director of graduate studies should send a letter to the graduate school indicating that the student has completed the qualifying exam if it is required.
- B. **Doctoral Committee Appointment Form.** The department chair or director of graduate studies should send a letter to the Graduate School indicating who will serve on the student's committee. The Graduate School sends a letter of appointment to the committee members and adviser.
- C. **Plan of Study Form.** This form must be submitted to the Graduate School during the student's second semester. (See Graduate School web page).
- D. **Comprehensive Exam Results Letter.** The doctoral committee chair should submit the results of the comprehensive exam form to the Graduate School.
- E. **Application for Candidacy.** After completing all the requirements for the doctoral degree other than the dissertation and at least one semester prior to graduation, the student must file **two copies** of the Application for Candidacy form with the Graduate School and **one copy** with the adviser, before or at the time the Application for Degree is filed. Verification of completion of the research tools, e.g., foreign language, statistics, computer science, should accompany the Application for Candidacy.
- F. **Application for Degree.** The student should present **two copies** of the Application for Degree form, stamped by the Business Office to verify payment of fees to the Graduate School during the semester preceding that of graduation.
- G. **A Dissertation Prospectus Approval Letter** should be sent to the Graduate School when the student's prospectus is approved. Students are reminded to secure approval of the **Human Subjects Review Committee or the Institutional Animal Care and Use Committee if necessary.**
- H. **Dissertation Defense Results Form.** The doctoral committee chair should submit the results of the oral defense of the dissertation form to the Graduate School immediately following the defense. A copy of the dissertation title page should also be submitted.

Thesis/Dissertation Deadline Schedule

General Academic Information

Registration

It is reasonable to assume that a graduate student accepts full responsibility for knowing the policies and regulations of the Graduate School and the departmental requirements relevant to his or her individual degree program. Only the general academic regulations and requirements governing all graduate programs are given below. Specific requirements pertaining to individual degree programs are outlined within the department sections.

Students should pre-register each semester at the designated time using SOAR on the web. Specific directions are published in the *Class Schedule Guide*. Students who pre-register must pay minimum payment (if applicable) by the due date or there will be an additional PRE-REGISTRATION FEE OF \$100 added to their accounts. Classes will be dropped at a later date for non-payment.

Registration will continue after the close of the scheduled registration period (see Calendar) for five class days.

A late registration fee will be charged to all students registering after the scheduled registration period. The fee is fifty dollars (\$50.00).

Add/Drop/Withdrawal

A student is permitted to drop a course without academic penalty up to and including approved dates published in the *Class Schedule Guide*. After the deadline, a student may drop a course only in the event of extenuating circumstances and with permission of the instructor, department chair, and dean of the college offering the course, at which time the student will receive a grade of **WP** or **WF**.

A student is permitted to add a course after the deadline of five class days with the permission of the instructor, department chair, and dean of the college offering the course and dean of Graduate School. However, a student will not be allowed to add a course after the last day to drop without academic penalty as published in the *Class Schedule Guide*. Adding classes after the 100% refund period could result in additional tuition charges.

A student withdrawing from the University prior to the deadline for dropping classes will not receive any grades. His or her record will show the date of withdrawal only. A student withdrawing after the deadline for dropping courses will receive a grade of **WP** or a grade of **WF**.

Withdrawal Procedures

A student finding it necessary to withdraw from the University must begin the process with the dean of his or her college who shall initiate the Withdrawal and Refund Authorization Form. A student who is undecided on a major must begin the process in the dean's office of the College of Liberal Arts where the Withdrawal and Refund Authorization Form will be initiated. **The Web may not be utilized to withdraw.**

Refund Policy

The withdrawal deadline for receipt of a grade has nothing to do with the refund schedule for fees. A student who officially withdraws after enrollment may obtain a refund in accordance with the refund policy. Upon notification to the Registrar and Business Services offices, a review will be made on a case-by-case basis for withdrawals that did not follow official withdrawal policy.

Appeals for refunds due to extenuating circumstances may be made in writing to:

Business Services
The University of Southern Mississippi
Box 5133
Hattiesburg, MS 39406-5133

Course Work

Courses open to graduate students for graduate credit are those numbered 500 or above. All graduate coursework, including 500 level courses, shall have a research component which is included in the final grade.

Many courses have certain prerequisites. A student who wishes to register for a particular course must satisfy the department concerned that he or she has had preparation adequate for admission to the course.

The general regulation that degree work must be completed within a six-year period applies to all course work. A grade-point average of

IV.

When a student disagrees with the final grade given by an instructor, fair play requires the opportunity for an orderly appellate procedure. A student must initiate the appeal procedure within 30 school days (excluding Saturday, Sunday, and official student holidays) of the beginning of the semester subsequent to the one in which the grade was awarded, or 120 calendar days after the issuance of spring semester grades, should the student not be enrolled during the summer term. The procedure assures due process for both the instructor and student. For policies and procedures governing grade review, contact the Dean of the Graduate School or the Office of the Provost.

Administrative Withdrawal

A university transcript is a legal document that provides a true and accurate account of academic performance. Any alteration of the history of academic performance as reported by a university

Post Office Box

The post office box rental fee is assessed to all students living in University-controlled housing. Fees are assessed on an academic year basis and are calculated on time remaining in the academic year. The fee covers box rental for the remainder of the academic year provided the student remains enrolled. Those students living off campus may rent a post office box if they so desire.

Student ID Cards

The ID card is a PERMANENT card for each student. The Fall Semester (permanent) ID card will also be used for Spring Semester and Summer Term each year by revalidation. The same card must

according to the University tuition refund schedule. Cancellation of the rental agreement must be made forty-five (45) days prior to the semester of cancellation. Notification of cancellation after the deadline obligates students to payment of rent for the following semester if enrolled, or forfeiture of deposit if not enrolled. Applications and brochures may be secured at the Pine Haven Office or by writing the Department of Residence Life.

Food Services

The Department of Food Services serves tasty and nutritious meals seven days a week during all school terms. Choices include: two entrees, assorted vegetables and desserts, and self-service salad and drink bars. In addition, a lite line, and a variety line are offered in the University Commons. Dining services are also available in Hillcrest and Elam Arms. Students on a 5-Day or 7-Day Basic Meal Plan may choose where to dine on a meal to meal basis.

ALL STUDENTS LIVING IN A RESIDENCE HALL OR A FRATERNITY HOUSE ARE REQUIRED TO PURCHASE A 5-DAY OR A 7-DAY BASIC MEAL PLAN.

A Snack Plan may be added to a Basic Meal Plan. It may be used at Seymour's, Columbo Yogurt and Java Coast Coffees, Seymour's Plaza Express, PlazaToo, and Seymour's Atrium Cafe. The Snack Plan may also be used to supplement a 5-Day Basic Plan and allows for occasional weekend meals in the Commons.

Seymour's, Columbo Yogurt and Java Coast Coffees, Seymour's Plaza Express, PlazaToo, and Seymour's Atrium Cafe offer a variety of snacks, short orders, and beverages. Purchases at these establishments are a la carte.

A Commuter Plan is available for off-campus students. This plan operates much like a checking account. Each time a purchase is made, the amount of the purchase is deducted from the balance. With a Commuter Plan, meals at the Commons, Elam Arms, and Hillcrest are purchased at a discounted price. The Commuter Plan may be used in all the dining facilities on campus.

All meal plans may be purchased during registration or at the Food Services office located in the Commons.

Meal Ticket Exemptions

Meal ticket exemptions are allowed only for those students with modified diets which cannot be prepared by the University Food Services and for those students with internships which conflict with cafeteria serving hours. Those students who may qualify for an exemption should make arrangements for an evaluation **PRIOR TO REGISTRATION**. However, those not arranging for an evaluation prior to registration should go to the Food Services Office in the University Commons after registering for classes. Those students who have not completed the requirements for a meal ticket exemption prior to registration will be charged for a meal ticket during the registration process. As a result of the extensive serving hours in the University Commons, work-related exemptions will not be permitted.

Medical Exemptions

Those students with a medical problem requiring a modified diet who feel their needs cannot be met by the University Food Services should make arrangements to have their diet evaluated by the registered dietician before registration. Documentation required for this evaluation includes a prescription signed by a physician which specifies the student's modified diet and a copy of the modified diet. The University Commons offers a special diet program or weight watchers. The line caters to weight watchers as well as to those students with medical problems which require special diets.

Academic Related Exemptions

Requirements:

A student must miss a minimum of fifty percent of meals served per week. The meals missed must be due to an internship.

Documentation Required:

1. A statement, on letterhead stationery, signed by the student's adviser, giving the student's hours, on a daily basis, Monday through Friday.
2. A copy of the student's Advisement and Registration Appointment Form which shows the student's class schedule.

Work Related Exemptions

University Policy DOES NOT allow for meal ticket exemptions for students holding part-time or full-time employment.

Other Financial Information

Payment of Fees

One-half of a student's total fees are due and payable at time of registration. Students with University loans, grants, or scholarships may use those funds as payment for the first half of total fees. Loans, grants, scholarships and checks made payable to the University must be applied to fees in full before a refund or change can be given. These loans, grants, and scholarships may not be used to pay prior semester outstanding balances. Fees deferred past the last day to register each term will be billed monthly. A monthly service charge of 1.5% will be applied to the unpaid balance. Students who pre-register must pay minimum payment (if applicable) by the due date or there will be an additional PRE-REGISTRATION FEE OF \$100 added to their accounts. Classes will be dropped at a later date for nonpayment.

The University accepts payment by check, money order, cash, and all major credit cards. The University reserves the right to refuse payment by check where an individual has previously given a check that has been returned.

The University reserves the right to withhold readmission of a student until all delinquent accounts have been paid. In fact, all past due accounts will be included on registration fee invoices and monthly bills. Transcripts of credits will not be issued for students whose accounts are delinquent. All fees must be paid before a degree will be awarded. Payments by personal check on delinquent accounts will be sent for collection before transcripts or degrees will be released. To avoid any delay in receiving these documents, payments can be made by cash, cashier's check, or money order.

Fines accumulated as a result of failure to adhere to the established procedures of the University, such as Library and Public Safety regulations, or any other policy establishing regulations for the protection of University property, shall become collectable by the Business Office, and, if not collected, shall constitute a delinquent account.

Late Registration

A fee of \$50.00 will be assessed students who register during the late registration period.

Students whose checks for registration fees are returned will be assessed the late registration fee of \$50.00 in addition to the \$30.00 returned check handling fee. Returned checks not promptly paid may result in dismissal from the University.

Courses requiring special fees and music fees are shown in the Special Fee listing and are indicated by a plus sign in the Course Description Section of this *Bulletin*.

Financial Assistance for Graduate Students

At present the University has available some 400 master's and 150 doctoral University assistantships in all areas as well as fellowships provided by federal and private agencies. Amounts of assistantships vary from department to department. Contact the specific department for information regarding stipend levels available. Assistantships entail one half time of teaching or research assignment. To maintain an assistantship a student must have an average of **B** or better each semester. General tuition and the non-resident fee are waived for graduate assistantship holders. To qualify for this waiver, students on assistantships must be registered for courses totaling twelve (12) hours each semester (9 hours during Summer term). Courses taken as Audit do not count toward these hours. The University also currently waiv

Graduate students will be deemed in good standing and eligible to receive federal financial assistance until they have attempted twice the number of hours normally required to complete their program of study leading to a master’s or doctoral degree. Attempted hours will include all courses on the academic transcript including grades of A, B, C, D, E, F, P, W, N, and I.

Graduate student pursuing an additional master’s degree will be limited to a maximum of 120 graduate hours. This total includes all graduate hours accumulated. Once a student earns a specialist degree, he or she will be eligible for additional financial assistance only at the doctoral level; once a student earns a doctoral degree, he or she will be ineligible for additional federal financial assistance.

Schedule of Fees

(All fees are subject to change without notice.)

FIXED FEES

	FALL, SPRING SEMESTERS	SUMMER SESSION
FULL-TIME STUDENTS (Per Semester)		
General Tuition	\$1,708.00	\$1,206.00
Housing Rent:		
Hillcrest, Elam Arms, Mississippi, Hattiesburg, and Vann	1,110.00	745.00
Roberts, Scott, Jones, Pulley, Bolton, Wilber, Hickman and Bond	1,035.00	700.00
Oseola McCarty Men’s New Hall	1,320.00	870.00
Oseola McCarty Women’s New Hall	1,320.00	870.00
Pine Haven Apartments		
1-bedroom	1,103.00	1,103.00
2-bedroom	1,193.00	1,193.00
3-bedroom	1,283.00	1,283.00
Board:		
5-day plan	785.00	480.00
7-day plan	845.00	510.00

Other Fees When Applicable

Non-Resident Fee (This fee is in addition to the tuition fee above.)	2,258.00	302.00
Post office box rental fees are non-refundable and are assessed as follows:		
Rented beginning Fall Semester	50.00	
Rented beginning Spring Semester	30.00	
Rented beginning Summer Semester		10.00
<i>Optional at same rates to students living off campus.</i>		

PART-TIME STUDENTS—Each semester hour

General Tuition—graduate student	190.00	173.00
Non-resident fee (In addition to General Tuition):		
Graduate student	251.00	43.00

General tuition, room, board, and post office, if applicable, are payable each semester/session.

Special Fees and Expenses

Departmental Fees:

The Arts

ART 570, 651-653, 661-663, 671-673, 751-753, 761-763, 771-773, 799; THE 603	50.00 per course
THE 561, 533	20.00 per course
THE 534	15.00 per course
THE 626, 635	10.00 per course

Education and Psychology

BTE 561, 563, 565; IT 567, 569, 636, 644, 645, 648, 655, 666; TOE 544	15.00 per course
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Health and Human Sciences

HPR 602	7.00 per course
HPR 831L	20.00 per course
HPR 701L, 805L	25.00 per course

Science and Technology

Labs as well as the following courses are subject to a usage fee:

EET 577L; SCE 532; SET 530, 531, 532, 533, 583, 585, 586, 589; SME 532	30.00 usage fee
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Student Malpractice Liability Insurance Fee

Courses requiring students to deal with human subjects require students to be covered by malpractice liability insurance. A user fee of \$10 per applicable course is accessed to cover the cost of this insurance. As with other courses requiring special fees, a + sign by the course number listed in the course description section of the Undergraduate and Graduate Bulletins identifies courses subject to this charge

.....	10.00 usage fee
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Music Fees

Private lessons for music majors	10.00 per semester hour
Private lessons for other than full-time music majors and for music majors taking private lessons not required for the degree being pursued	35.00 per semester hour
Orchestral or band instrument rental	15.00 per semester
Locker rental	5.00 per semester

Reading Center, Individual Remedial Instructions

Special Students (noncredit)	40.00 per semester
Complete Reading Diagnosis	50.00 with written report
Re-evaluation	5.00

Examinations and Graduation

Revalidation Examination	30.00 per course for graduate
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Registration and Records

Cooperative Education Program	25.00 when applicable
Late Registration	50.00
Evaluation Fee for Foreign Students (Nonrefundable)	25.00 with application
ID Replacement	10.00

Doctoral Fee:

(includes dissertation binding fee for three university copies)	225.00
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Master's and Specialist's Fees:

Thesis (includes thesis binding fee for three university copies) . . .	100.00
Non-Thesis	50.00

Deferred Graduation Fee

..... (graduate students who request their application for graduation be moved to the next semester)	50.00
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A Minor: The residence of a person less than twenty-one 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 or her person duly appointed by a proper court of Mississippi, in which case his or her residence becomes that of the guardian.

An Adult: The residence of an adult is that place where he or she is domiciled, that is, the place where he or she actually physically resides with the intention of remaining there indefinitely or of returning there permanently when temporarily absent. Adult students who are residing outside of the State of Mississippi, but whose parents have moved to this state and have become residents, must establish residence in their own right. In determining residence for tuition purposes of persons who return to Mississippi after temporary departures such as school attendance, work elsewhere, or military service, cognizance is taken for evidence showing continuity of state residence and demonstrated intent to return to the state.

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 nonresident 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 herein above, has been in the State of Mississippi for a continuous period of at least twelve months immediately preceding his or her admission.

A student who has lived within the state for twelve months following his or her twenty-first birthday may establish residence in his or her own right by showing that he or she is living in the state with the intention of abandoning his or her former domicile and remaining in the State of Mississippi permanently or for an indefinite length of time. Intent may be demonstrated or disproved by factors including, but not limited to, filing of Mississippi income tax returns, eligibility to vote in Mississippi, motor vehicle registration in Mississippi, possession of a Mississippi operator's license, place of employment, and self support.

Residence Status of a Married Person: A married person may claim the residence of his or her spouse. (Foreign students refer to **Py serTJ /F2 1 Tf 1 -1 of a MardsJC/F151 Tc 0.f 0 -1.8edrturu3tissipp TD [(P**

University Facilities and Student Services

Automobiles on Campus

The University requires the purchase of parking permits for student, employee, and contractors/vendor vehicles on campus. Hang tags, decals, and temporary permits (for vehicles on campus for less than fourteen days) are available at the University Transportation Department in the Old Army ROTC building, (601) 266-5447. The department offers a brochure detailing parking zones and other traffic regulations. Penalties are assessed for regulation violations.

Career Planning and Placement

The Office of Career Planning and Placement, located on the first floor of McLemore Hall, offers the student three types of employment assistance while attending the University: part-time employment, co-op employment, and graduate employment.

Health Services

The USM Student Health Service (Clinic) can provide the students, faculty, and staff with the same services available at a family doctor's office. The Student Health Service provides a wide range of services, including laboratory testing, x-ray, pharmacy, dietary counseling and educational services. The Student Health Service is staffed by several competent physicians and nurse practitioners. The Student Health Service is located on the West side of Kennard-Washington Hall. During the Fall and



College of The Arts

Graduate Degrees

2002-2003

School/Department	Major	Degree
Master's Level		
Art	Art Education	Master of Art Education
	Studio Art: Drawing and Painting Emphasis	Master of Fine Arts
School of Music	Music Church Music Emphasis Conducting Emphasis History and Literature Emphasis Performance Emphasis Theory and Composition Emphasis Woodwind Performance and Pedagogy Emphasis	Master of Music
	Music Education	Master of Music Education
Theatre and Dance	Theatre Directing Emphasis Performance Emphasis Design and Technical Emphasis	Master of Fine Arts
Doctoral Level		
School of Music	Music Education	Doctor of Music Education Doctor of Philosophy
	Performance and Pedagogy	Doctor of Musical Arts

College of The Arts

Mary Ann Stringer, Dean
Monica Hayes, Assistant Dean
Hattiesburg, MS 39406-5031
(601) 266-4984

The College of The Arts currently offers graduate degree programs at the master's and doctoral degree levels. Descriptions of these programs can be located in the respective departmental sections.

Deficiencies

The College of The Arts retains the right to determine deficiencies in the preparation of any graduate student, regardless of the number of course credits accumulated. The College will recommend appropriate means of removing such deficiencies.

definitively state the area of visual search and the delimited aesthetic visual problem area in which the applicant intends to work; 5) submitting three letters of recommendation which should address the applicant's academic preparation in the area of drawing and painting; and 6) submitting GRE scores to the Graduate School. Letters of recommendation should be sent to the department.

Departmental Admissions

Deadlines for submission of application material (portfolio, proposal, letters of recommendation, official transcripts, and GRE scores) are as follows:

Summer Term: Deadline – April 1

Fall Semester: Deadline – April 1

Spring Semester: Deadline – November 1

Applicants must satisfy University admission requirements before becoming candidates for the degree or becoming eligible for assistantships.

Requirements for a Master of Fine Arts Degree in Studio Art (Drawing and Painting) are as follows:

18 hours of Drawing Studio (ART 601, ART 602, ART 603, ART 701, ART 702, ART 703)

18 hours of Painting Studio (ART 621, ART 622, ART 623, ART 721, ART 722, ART 723)

6 hours of Art History (selected from graduate Art History offerings)

3 hours of Seminar (ART 731, ART 732, ART 733)

12 hours of ART electives

Special Examinations and Auditions: Master's Degrees

All Special Examinations and Auditions must be passed before one can gain Degree Candidacy.

Jury Requirements/Final Examinations: Master's Degrees

Students who are enrolled in MUP Private Lessons in their principal applied area and who are seeking the Master of Music degree (with emphasis in Performance, Piano Accompanying, Church Music, or Woodwind Performance and Pedagogy) must perform a jury for the appropriate applied faculty. All others enrolled in MUP Private Lessons must perform a final examination for the applied teacher. At the finish of each semester and summer term, the applied teacher must complete a "Final Jury/Examination Form" for each student and file it with the graduate adviser. Students enrolled in applied music who do not take a final examination or a jury will receive the grade "I" or "F." All grades of "I" must be completed by the end of the next semester (excluding summer term). See "Grading System" in this *Bulletin*.

The applied teacher must record and submit any exception to this policy to the graduate adviser; signatures of all appropriate area faculty must be included on this form.

Comprehensive Examinations: Master's Degrees

Comprehensive examinations are required for all master's degrees.

The test will be prepared by the student's graduate advisory committee; it will cover the area of the major field. As a general rule, the Comprehensive Examination will be written.

The School of Music Master's Comprehensive Examinations are offered each semester at the same time:

- Fall: the first full week in November
- Spring: the first full week in April
- Summer: the first Saturday following the 4th of July

Exact dates and times are determined by the graduate adviser and are publicized as soon as possible.

Students must register for the exam two months (minimum) prior to taking the exam by calling 601-266-5363.

The coordinator of graduate studies must receive results of the Comprehensive Examination in time to notify the Graduate School no later than the last day for presenting signed theses to the Graduate School.

A student who fails the Comprehensive Examination may repeat the exam once; the test must be repeated within one year of the first Comprehensive Examination.

Advisory committee

During the first term of full-time residence or before nine (9) hours of graduate credit have been earned, the student and the student's major professor select those faculty who will serve as the student's advisory committee.

The major professor and the student shall develop a Degree Contract. In those cases where a student is required to take additional course work beyond the minimum required by the degree, the advisory committee will counsel the student and plan the program of studies.

This committee will submit questions for the Comprehensive Examination and grade it.

The advisory committee will approve the recital repertoire, will attend the recital,* and will grade the performance as Satisfactory (S) or Unsatisfactory (U); this grade, indicating the majority opinion of the advisory committee, must be recorded on the recital program and submitted to the academic adviser. Should a recital be judged Unsatisfactory by a majority of the committee, another recital, at a date determined by the advisory committee, must take place. Should a recital be canceled or postponed until a succeeding semester, the recital will be graded "E" (course in progress). When the grade of *E* is given, the student must re-register for the course and receive a letter grade for that course.

In degree plans that provide flexibility and in those cases where a student is required to take additional course work beyond the minimum required by the degree, the advisory committee will counsel the student and plan the program of studies.

Master of Music Degree- Performance (32 hours)

Candidacy Audition:

All students must audition for an appropriate faculty jury. Unless stipulated otherwise (i.e., Brass Performance, Percussion Performance, Piano Performance, Voice Performance), an audition tape will suffice. This audition must be deemed Satisfactory before one can be declared a candidate for the master's degree (i.e., before one completes nine (9) hours of graduate work; see Degree Candidacy). Early auditions are encouraged. At least 18 hours of course work must be at the 600 level or higher. A 3.0 GPA is required for graduation.

In all instances other than those in bold-face below, the audition must be at least thirty minutes in length and must include three works of contrasting style, preferably representing three different

Performance-Piano Accompanying (32 hours)

Candidacy Audition:

Perform two contrasting selections from the standard piano repertoire. Additionally, present three chamber works representing three different periods in music; single movements are acceptable. One of these movements must be with at least three instruments including piano. The remaining two works should include a sonata with an instrument and piano and a work with voice and piano. The

Master of Music Degree- Conducting (35 Hours)

Candidacy Audition:

Demonstrate advanced conducting competency by directing an audition rehearsal with a University performing ensemble. Play a full band or orchestra score at the keyboard. (Request audition repertory list by writing to the band, choir, or orchestra office.)

Three years experience as a conductor and considerable experience as a member of a performing ensemble are expected. Students are encouraged to submit a video tape of their conducting.

In some cases, students with minimal deficiencies will be admitted into the program on a conditional basis and will be required to complete undergraduate courses (not for graduate credit) before proceeding as a Degree Candidate. At least 18 hours of course work must be at the 600 level or higher. A 3.0 GPA is required for graduation.

MUS 548 or Choral Literature I (3)	
or	
MED 538 Band Literature I (3)	3-2
MUS 549 Choral Literature II	
or	
MUS 550 Symphonic Literature	3
MED 731 Graduate Conducting I	3
MED 732 Graduate Conducting II	3
Conducting Elective (Individual study with conductor of major ensemble)	3
MUS 721 Analytical Techniques I	
or	
MUS 722 Analytical Techniques II	3
MUS 723 20th Century Compositional Techniques	3
MUS 731 Performance Practices I	3
MUS 732 Performance Practices II	3
Music History and Literature (MUS 630 History Survey may be required)	3
MUS 692 Special Problems in Scoring/Arranging (individual study with conductor)	3
Applied Music	2-3

NOTE: Knowledge of musical terms in French, Italian, and German must be demonstrated. Candidate must prepare and conduct at least one full-length concert with a major performing organization.

Master of Music Degree- Music History and Literature (34 Hours)

Undergraduate Prerequisites:

Baccalaureate degree with a major in music and at least one course in each of the following: 16th century counterpoint, 18th century counterpoint, orchestration.

Special Examination:

Demonstrate for the music history faculty the ability to translate excerpts in at least one foreign language (i.e., French, German, Italian, or Spanish) before completing nine (9) hours of graduate course work. Prior to the first registration, demonstrate writing ability by submitting a research paper, preferably in music. At least 18 hours of course work must be at the 600 level or higher. A 3.0 GPA is required for graduation.

MUS 702 Bibliography for Music Research	3
MUS 721 Analytical Techniques I	
or	
MUS 722 Analytical Techniques II	6
or	
MUS 723 Seminar in 20th Century Compositional Techniques	
MUP 685 Collegium Musicum	2
Music History Courses	9
Select from:	
MUS 533 20th Century Music (3)	
MUS 534 Ancient, Med., Renaissance Music (3)	



Doctoral Degrees

Each student has final responsibility to ascertain that he or she has complied with all applicable catalogue requirements for graduation. Faculty and Advisers assist students in developing their programs, but they cannot waive or vary degree requirements as these appear in the University *Bulletin*. Students must read the “Doctoral Degree Requirements” section of the *Graduate Bulletin*; that which follows pertains to School of Music practices and policies; and it amplifies *Bulletin* statements.

Three doctoral degrees are available in the School of Music: the Doctor of Music Education, the Doctor of Philosophy in Music Education, and the Doctor of Musical Arts. A 3.0 GPA is required for graduation.

Students pursuing the Doctor of Musical Arts degree do so with an emphasis in Performance and Pedagogy. Specific areas in which the D.M.A. may be earned are:

Bassoon	Horn	Trumpet
Clarinet	Oboe	Tuba
Composition	Organ	Viola
Conducting	Percussion	Violin
Euphonium	Piano	Violoncello
Flute	Saxophone	Voice
Guitar	String Bass	
Harpsichord	Trombone	

Admission Requirements: Doctoral Degrees

In addition to acceptable grades (see Graduate School requirements) and GRE scores, successful applicants to the doctoral program must have an appropriate baccalaureate and/or masters degree with a major in music, an acceptable candidacy audition (for DMA degrees), strong letters of recommendation, and successful personal interviews. Letters of recommendation should be from persons qualified to assess the applicant’s readiness for graduate study and should be sent to the School of Music. Members of all under-represented groups are strongly encouraged to apply. Acceptance to the School of Music requires students to meet expectations beyond these requirements; see “Degree Candidacy.”

Students who are unable to meet regular admissions standards may be considered for conditional admission. (For details concerning conditional admission, see “Admission Requirements and Procedures,” *Graduate Bulletin*, The University of Southern Mississippi.) Please note: The Graduate Record Examination is required for both conditional and regular admission.

Important Note: Acceptance into the doctoral degree programs of the School of Music requires that students meet expectations beyond those stipulated in the *Graduate Bulletin*; see “Acceptance into the School of Music,” this *bulletin*.

Ensemble Participation: Doctoral Degrees

A maximum of two (2) hours of graduate credit earned in ensemble work may be counted toward a degree. The ensemble in which one participates may be determined by the student’s advisory committee.

Acceptance into the School of Music: Doctoral Degrees

Acceptance: Admission to graduate study does not imply acceptance into the School of Music for doctoral-level study. A maximum of nine (9) hours of graduate work earned before one has gained admission to the School of Music can be applied towards a degree. To gain acceptance, one must:

- Performance and Pedagogy: possess a master’ -1.5625p053TtTtmum ofns ssnder-represe1004 Twa365psuing

- h) complete at least nine (9) hours of graduate course work relevant to one's degree plan with a cumulative grade-point average of 3.5;
- i) by the end of the **second** semester, all doctoral students must: complete a Degree Planning Sheet, approved by the advisory committee. (Doctoral students should be counseled by their advisory committee before registering for courses); pass Qualifying exams.

Diagnostic Entrance Examinations: Doctoral Degrees

All entering doctoral students are required to take a Diagnostic Entrance Examination consisting of three parts: music theory, music history, and expository writing. The purposes of this examination are (1) to determine if the student has foundation-level deficiencies that need to be addressed in order for him/her to be successful in doctoral level courses, on the Qualifying Examinations and on the Comprehensive Examinations; and (2) to provide information that will guide the student and his/her adviser in selecting useful and appropriate academic courses.

Students who fail either or both of the theory and history sections of the Diagnostic Examination will be required to enroll in the appropriate review courses (MUS 620 and/or MUS 630) during their first semester of full-time study and will be required to earn a grade of "B" or better in that/those courses(s). Many entering students find that they do need to take these review courses. Students who plan to enroll in full-time study during the spring semester must pass the theory and history sections of the Diagnostic Entrance Examination or delay their enrollment until a semester in which those courses are taught (theory and history review courses are traditionally taught in the summer and fall semesters only). Students who fail either the theory or history sections (or both) and intend to pursue graduate study part-time must complete the appropriate review course(s) *before completing 12 credit hours*. In some instances student may be required to enroll in one or more appropriate undergraduate courses. Credits earned in these courses (both the review courses and any required undergraduate course) are not counted toward the doctoral degree.

Students who do not pass the expository writing section of the Diagnostic Examination may be advised to take an appropriate writing course in the English department and will be *required* to take MUS 500 ("Writing about Music"), even if it is not one of their degree requirements.

All Diagnostic Examination results will be sent to the student's major professor so that the major professor and the student can plan an initial program of study. This program of study may be amended after the student's Advisory Committee is appointed and/or upon completion of the Qualifying Examination.

The Diagnostic Entrance Examinations are administered on campus each Friday preceding the first day of classes in Fall, Spring, and Summer.

9:30 a.m. - Theory

10:30 a.m. - Music History and Literature and Expository Writing

1:00 - 5:00 p.m. - Advisement/Registration/Fee Payment

These examinations are also administered through the mail. To make the testing process feasible, a proctor, preferably a teacher in a nearby college or university, may administer the examination. Submit the name and address of the proctor to the coordinator of Graduate Studies.

Qualifying Examinations: Doctoral Degrees

All doctoral students are required to complete a Qualifying Examination consisting of three written components (music theory, music history, and the student's major area) and an interview with the student's advisory committee. This examination must be completed at the end of the second semester of full-time doctoral study. Part-time students must complete this examination at the end of the third semester of enrollment. The purpose of the Qualifying Examination is to determine if, after a year of doctoral course work (which may include review courses and of independent study, the student is academically qualified to proceed with doctoral study. In order to be successful on the written portions of this examination, the student must be able to think critically and be able to synthesize material from a variety of sources. Sample examinations may be available to students in some areas. The interview will occur after the written parts of the examination are completed and may include questions about the written portions of the examination, about material not covered on the written portions, and about the student's background and future plans. The Qualifying Examination is required if,

A scale of 1 to 5 will be used in grading Qualifying Examinations, with grades of 1-2 indicating a failure and grades 3-5 indicating passing. A student who fails any part of the Qualifying Examination may, with the permission of his or her committee, repeat it, but any course work enrolled in after that initial failure and before the Qualifying Examination is passed in its entirety will be considered to be remedial and will not count as doctoral course work.

For example, if a student should fail the Qualifying Examination in November, the courses taken during the fall semester *will* count toward the degree. However, courses taken during the following spring semester would not, *even if the student passes the Qualifying Examination before the end of that spring semester (i.e., in April)*. After an initial failure (in whole or part), if permission for a retake is granted, the Qualifying Examination must be retaken at the end of the next regular semester of full-time enrollment, but not later than two semesters after the failure (including the summer semester).

The School of Music Doctoral Qualifying Examinations are offered each semester at the same time:

- Fall: the first full week in November
- Spring: the first full week in April
- Summer: the three successive Saturdays following the 4th of July

Exact dates and times are determined by the graduate adviser and are publicized as soon as possible. **Students must register for the exam two months (minimum) prior to taking the exam by calling 601-266-5363.**

Jury Requirements/Final Examinations: Doctoral Degrees

Students who are enrolled in MUP Private Lessons in their principal applied area and who are seeking the Doctor of Musical Arts degree with emphasis in performance must perform a jury for the appropriate applied faculty. All other doctoral students enrolled in MUP Private Lessons must perform a final examination for the applied teacher. At the finish of each semester and summer

The School of Music Doctoral Comprehensive Examinations are offered each semester at the same time:

- Fall: the first full week in November
- Spring: the first full week in April
- Summer: the three successive Saturdays following the 4th of July

Exact dates and times are determined by the graduate adviser and are publicized as soon as possible.

Students must register for the exam two months (minimum) prior to taking the exam by calling 601-266-5363.

Oral Defense: Doctoral Degrees

After the dissertation has been accepted and after all required course work has been completed, but at least four weeks before the candidate is scheduled to receive the degree, a final oral defense of the dissertation and related fields will be conducted by the student's advisory committee and any other faculty members designated by the Graduate Dean. The examination will be open to any member of the graduate faculty.

Advisory Committee: Doctoral Degrees

Early in the first term of full-time residency or before nine (9) hours of graduate credit have been earned, the student, and the student's major professor, select those faculty who will serve as the student's advisory committee. The advisory committee must be appointed before one takes the Qualifying Examination.

The major professor and the student shall develop a planning sheet of course work based upon Qualifying Examination information together with course requirements. In those cases where a student is required to take additional course work beyond the minimum required by the degree, the advisory committee will counsel the student and plan the program of studies.

Recital Requirements:

The student must ascertain that all members of the advisory committee can attend before scheduling a recital.* At least fourteen days before the recital, the student should remind the members of the committee by issuing a written invitation to each. Doctoral recitals shall not be scheduled to occur during the week of final examinations before scheduling a recital.

If recitals are required by the student's degree plan, the advisory committee must:

- 1) Approve the repertoire, attend the recital, and grade the performance as Satisfactory (S) or Unsatisfactory (U)
- 2) This grade, indicating the majority opinion of the advisory committee, must be recorded on the Graduate Examination Report and submitted to the academic adviser.
- 3) Should a recital be canceled or postponed until a succeeding semester, the recital will be graded "E" (course in progress). When the grade of "E" is given, the student must re-register for the course and receive a letter grade for that course.
- 4) Should a recital be judged Unsatisfactory, another recital, at a date determined by the advisory committee, must take place.
- 5) A student who receives two grades of Unsatisfactory in meeting degree recital requirements will not be allowed to continue as a candidate.

*When all members of a committee cannot attend a conducting degree recital, the concert will be videotaped. At a date following the concert, committee members will meet as a group. At that time, the Committee will view the tape and evaluate the degree recital. The chairperson of the advisory committee must be present at both the concert and the video viewing.

Dissertation

- A. The dissertation topic must be approved by the student's major professor and advisory committee and must be an original and significant contribution to knowledge in the chosen field. The Human Subjects Protection Review Committee must also approve the topic.
- B. Once a topic has been approved, the student must enroll in MUS 797, MED 797, MUS 898, or MED 898 in each semester/term until the degree is completed.
- C. A separate publication outlining University requirements concerning the preparation of dissertations is available in the Graduate School.
- D. Additionally, instructions specific to the development of an approved topic in Music (see required pamphlet "Prospectus Guide for the Doctor of Musical Arts degree") or Music Education must be followed. These may be obtained from the graduate adviser.

Documents

The doctoral student must be sure that a number of documents are filed with the Graduate School.

Residency

Students must meet the residency requirements specified in this *Bulletin*.
Continuous Enrollment Agreement.

Degree Plans**Doctor of Musical Arts Degree****Performance and Pedagogy (all areas except Conducting and Composition)****Candidacy Audition***

All students must audition for the appropriate area faculty (generally, taped auditions are not acceptable.) This audition must be deemed Satisfactory before one can be accepted into the School of Music (i.e., before completing nine (9) hours of graduate work). Early auditions are encouraged, and a high level of performance proficiency is expected.

*In lieu of a candidacy audition, with the approval of the School of Music Graduate Committee, students who will complete the Master of Music degree in Performance at USM may use their graduate recital. The appropriate faculty must attend the recital, and the printed program must state the total purpose of the concert, e.g., "This recital is given in partial fulfillment of the requirements for the degree Master of Music in Performance, and it also serves as an audition for acceptance into the Doctor of Musical Arts curriculum in the School of Music." The student must begin doctoral study within one year of this audition.

In all instances other than those in bold-face below, the audition must be at least thirty minutes in length and must include three works of contrasting style, preferably representing three different periods in music. (Repertory lists with representative works are available upon request. Write: (instrument) professor, School of Music, The University of Southern Mississippi, Box 5081, Hattiesburg, MS 39406-5081).

Brass Performance: For those majoring in brass performance, the candidacy audition must be a full recital for the USM brass faculty.

Percussion Performance: For those majoring in percussion performance, the applicant should demonstrate proficiency on timpani, on mallet keyboards, and should perform a multiple-percussion performance.

Piano Performance: For those majoring in piano performance, the audition must be a full recital, memorized, performed before the piano faculty; it must include works from at least three different periods in music (e.g., Baroque, Classical, Romantic, Impressionist, or Contemporary). The faculty may select portions from the repertoire submitted.

Voice Performance: Voice performance majors must demonstrate, by audition, (1) advanced vocal technique; (2) good diction in Italian, French, German, and English; and (3) good vocal quality and musicianship. The repertoire must be memorized and include (1) an aria from opera or oratorio; (2) a seventeenth- or eighteenth-century Italian song or aria; (3) a German Lied; (4) a French Melodie; and (5) a song in English.

Special requirement, Voice Performance: The student's transcript(s) must show grades of C or better in at least one course in diction for singers and in two years of foreign language: German, French, or Italian (may include any combination of those languages). Students lacking these will be required to pass such courses in addition to the requirements for the degree. In lieu of course work, satisfactory performance on language exams, administered by the USM Department of Foreign Languages and Literatures, is acceptable.

All D.M.A. Areas Except Conducting and Composition

The D.M.A. student will be required to take MUS 500, 702, 731, 732, and 898. The remainder of the course work will be determined in light of the student's qualifying examination, entrance audition, his or her interests and/or professional goals, and the counsel of the major professor and graduate advisory committee. In planning this program, the following minimum distribution of graduate courses (including master's degree work) is required: thirty (30) semester hours in performance music studio study and recitals, fifteen (15) semester hours in music history and literature, nine (9) semester hours in music theory, and the remainder of the program in approved electives which may include six (6) semester hours in a cognate field of study. A 3.0 GPA is required for graduation. Three recitals will be required in addition to the entrance audition. One must be a solo recital, one a lecture recital, and the third chosen from the following options: (a) performance of a concerto with orchestra, (b) performance of a major role in an opera, (c) performance of a major role in an oratorio, (d) a full-length recital of chamber music, or (e) a

second solo recital. (Note: To use options “a” through “d,” permission of the student’s advisory committee must be received before the semester in which the event will occur.) As a general rule, not more than one doctoral recital may be presented by a candidate during any academic term, nor more than two during any nine-month period. Rare exceptions will be permitted, but under rigidly controlled procedures. See the graduate adviser for details.

Research Tools

One language will be required in the degree. (For specifics, see General Degree Requirements, Foreign Language, in this *Bulletin*.) Others may be required by the major professor and Graduate advisory committee.

The D.M.A. dissertation, required for completion of the degree, consists of two parts. Part I must be a written thesis giving evidence of the candidate’s ability to make a scholarly investigation of limited scope. Part II must include all recital programs, concert programs, and program notes presented during the student’s residency. D.M.A. students, Performance and Pedagogy (all areas except Conducting and Composition) may choose an alternative to the traditional dissertation requirement. This “Track 2” option is only available with the major professor’s and advisory committee’s approval. See the graduate adviser for further information.

Conducting Area

Acceptance of a prospective student into the D.M.A. program in the conducting area requires a previously earned master’s degree in music or music education. The conducting faculty must be satisfied that the student is qualified to pursue the D.M.A. at the University of Southern Mississippi.

Students applying for entrance into the D.M.A. program in the conducting area must:

- a) provide an application that includes a current resume; a repertoire list, specifying works conducted in performance; three letters of recommendation which center on the applicant’s conducting abilities; a video tape of a rehearsal conducted by the applicant; and a video or audio tape of a performance conducted by the applicant.
- b) complete an interview and an audition. After review of the application by the conducting faculty, the applicant may be invited to an interview-audition on campus. It will include 1) a session with the conducting faculty to assess one’s musical proficiencies and 2) a rehearsal of an appropriate university ensemble to assess one’s rehearsal technique.

In the interview, the applicant will demonstrate the following:

- a) musicality, preferably by showing proficiency as a performer on a standard orchestral or band instrument, on a standard keyboard instrument, or as a singer;
- b) keyboard proficiency above the basic level in technique, musicianship, and open score reading;
- c) a high degree of competence in ear-training and sight-singing;
- d) thorough knowledge of the traditional orchestral and band instruments and their transpositions;
- e) acquaintance with a broad range of appropriate repertoire from various periods;
- f) detailed knowledge of works from the applicant’s repertoire list.

The audition, a rehearsal, will use repertoire selected in consultation with the appropriate faculty and will last for approximately thirty minutes. The applicant’s competence in effective gestural and verbal communication will be assessed. For applicants admitted to the program with deficiencies in any of the above, no degree credit will be granted for any required remedial work.

The D.M.A. student will be required to take MUS 500, 702, 731, 732, and 898. Also required are MED 731, 732, 733, 825, and MUP 896, 897. The remainder of the course work will be determined in light of the student’s qualifying examination, entrance interview-audition, interests and/or professional goals, and the counsel of the major professor and graduate advisory committee. In planning this program, the following minimum distribution of graduate courses (including master’s degree work) is required: thirty (30) semester hours in performance, conducting, and recitals, fifteen (15) semester hours in music history and literature, nine (9) semester hours in music theory, and six (6) hours of approved electives which may include a cognate field of study (a course in foundations of music education is recommended).

Recitals: Two concerts and a lecture recital will be required. Repertoire for these concerts must be approved in advance by the student’s advisory committee. When practical, the repertoire will include works for both vocal and instrumental components. As a general rule, not more than one doctoral concert/recital may be presented by a candidate during any semester nor more than two during any nine-month period. Rare exceptions will be permitted, but only under rigidly controlled procedures. See your advisory committee for details.

Satisfactory competence in English and German, French or Italian is required for candidacy. Competence in a foreign language can be demonstrated by:

- a) completing three semesters of an undergraduate-level language course with a grade of B or higher;

- b) completing two semesters of a graduate-level course in German or French in reading for research with a grade of C or higher.

Note: Credit for graduate courses in foreign languages will not be granted toward the degree.

The D.M.A. dissertation, required for completion of the degree, consists of two parts.

Part I must be a written thesis that is an original and significant contribution to the knowledge of the field; it must give evidence of the candidate's ability to make a scholarly investigation of limited scope. Part II must include all recital programs, concert programs, and program notes presented during the student's residency.

Composition Area

Acceptance of a prospective student into the D.M.A. program in the composition area assumes a previously earned master's degree in composition or the equivalent, provided the composition faculty is satisfied that the student is qualified to pursue the D.M.A. at the University of Southern Mississippi. A high level of proficiency in composition and extensive knowledge of literature are expected.

Proficiency reviews will be required of all M.F.A. candidates at the conclusion of their second semester in residence.

The Master of Fine Arts program normally requires three years of full-time graduate study and the completion of a minimum approved program of sixty (60) hours with at least 18 hours of course work at the 600 level or higher. A 3.0 GPA is required for graduation. It is recommended that the M.F.A. student spend at least one summer as a member of the Repertory Theatre program. The candidate will satisfactorily complete a creative project in his major area of emphasis and defend it orally before the Theatre Arts faculty.

College of Business Administration

Graduate Degrees 2002-2003

School	Major	Degree
	Business Administration	Master of Business Administration
School of Professional Accountancy and Information Systems	Accounting	Master of Professional Accountancy

College of Business Administration

Admission Standards

Admission to the University of Southern Mississippi's M.B.A. and M.P.A. programs is selective. Regular admission is contingent on having graduated from a college or university accredited by a recognized regional accrediting agency. In addition, the graduate admission committee of the College of Business Administration recommends admittance only for those applicants whose academic background, work experience, demonstrated leadership, and communication skills meet the challenging demands of graduate programs in management and accounting.

In evaluating applications, the admission committee utilizes the following criteria:

Undergraduate record—The cumulative grade point average (GPA) from all institutions, the area(s) of concentration, the balance of verbal/communication and quantitative/analytical courses, and the trend of grades are considered.

Graduate Management Admission Test (GMAT)—The GMAT is sponsored and directed by the Graduate Management Admission Council, consisting of representatives from graduate schools of management. A candidate should strive to achieve a good balance of verbal- and quantitative-area scores.

Test of English as a Foreign Language (TOEFL)—Students whose native language is not English must achieve a TOEFL score of 550 or more.

Work Experience—While work experience is not required for admission, two or more years of relevant managerial responsibility strengthen the likelihood of admission to the program. Applicants are encouraged to submit resumes showing job responsibilities and accomplishments. Letters of recommendation should be from persons qualified to assess the applicant's readiness for graduate study and should be sent to the department or school.

Letters of Recommendation—The admission committee reviews letters of recommendation to gain a more personal understanding of the applicant's leadership ability in terms of communication and interpersonal skills. Each applicant should request three recommendation letters, at least one of which addresses the applicant's academic preparation. Letters of recommendation should be from persons qualified to assess the applicant's readiness for graduate study and should be sent to the College.

Essay—The essay requirement provides the applicant an opportunity to demonstrate writing competency and communication skills. It also enables the applicant to provide specific examples of demonstrated leadership, to discuss career plans, and to supply additional information that will assist in selecting those individuals who can most benefit from and contribute to the graduate management or accounting programs.

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Upon approval by the Director, students may repeat one and only one course to improve a cumulative grade point average. Students whose cumulative grade point average (GPA) or whose program GPA falls below 3.0 will be placed on probation. Students must attain a cumulative 3.0 GPA by the end of the following (probationary) semester or they may be dismissed from the program subject to review by a faculty committee and the program director.

Graduation requirements—Students must complete course requirements with a 3.0 GPA for all graduate courses taken. In addition, all general requirements of the Graduate School must be met; this includes a comprehensive examination.

Degree Requirements

School of Professional Accountancy and Information Systems

Robert Smith, Director
Hattiesburg, MS 39406-5178
(601) 266-4641

Albin, Clark, Crockett, Depree, Gordon, Henderson, Jordan, Pate, Smith

**Associate Graduate Faculty*

Mission

The School of Professional Accountancy and Information Systems (SPAIS) is an academic unit within the College of Business Administration (CBA) at the University of Southern Mississippi and is committed to the mission of the CBA. Within this framework, the SPAIS has its own unique mission.

The primary objective of the SPAIS is to be a quality provider of undergraduate- and master's-level accounting education. The SPAIS strives to produce technically competent, yet broadly educated, business and accounting graduates who have marketable skills, the ability to think critically, an understanding of the importance of ethics in decision making, and an appreciation of the necessity for life-long learning. Therefore, as its first priority, the SPAIS emphasizes excellent teaching in an environment of continuous curriculum development.

The SPAIS also acknowledges its responsibilities to the University, the accounting profession, business and government enterprises, and taxpayers. The SPAIS strives to meet these responsibilities by providing appropriate services and by engaging in the scholarly pursuits of research and writing. These activities complement the primary teaching mission.

The School of Professional Accountancy and Information Systems is a school within the College of Business Administration. Emphasis is placed on the preparation for professional careers in both the public accounting and management accounting areas.

The objective of the graduate curriculum is to provide more depth and breadth in Accounting and related subjects than can be accomplished in a four-year program. Enrollment in the School's graduate program is limited to those students who show a high probability of success.

The School offers one degree—the Master of Professional Accountancy. The program leading to the M.P.A. is essentially the culmination of a five-year program. A student who earns the Bachelor's degree with a major in accounting may normally complete the M.P.A. program with one year's additional work. A minimum of thirty (30) hours of graduate work is required.

Students with a variety of educational backgrounds may enter the program. Students who have a baccalaureate degree from an accredited college or university must either transfer or take the following business environment and tool courses:

Applied Calculus for Business(3 hours)	Advanced Business Law(3 hours)
Principles of Economics(6 hours)	Principles of Finance(3 hours)
Managerial Statistics I(3 hours)	Global Managerial Policy and Strategy (3 hours)
Managerial Statistics II(3 hours)	Management Information Systems (3 hours)
Management for Organizations (3 hours)	Principles of Marketing(3 hours)
Legal Environment of Business (3 hours)	

The following lower-division accounting courses are also required:

Principles of Accounting(3 hours)	Cost Accounting(3 hours)
Accounting Processes and Systems(3 hours)	Income Tax Accounting(3 hours)
Intermediate Accounting(6 hours)	Government and Not-for-Profit Accounting(3 hours)
Advanced Accounting(3 hours)	
Auditing(3 hours)	

Professional-level courses for M.P.A.:

- ACC 512 - Seminar on Contemporary Accounting Topics
- ACC 605 - Current Accounting Theory and Research
- ACC 610 - Advanced Auditing
- ACC 620 - Advanced Cost/Managerial Accounting
- ACC 630 - Tax Seminar I
- ACC 631 - Tax Seminar II **AND** ACC 660 - Controllership
- MBA 645 - Communication Skills for Managers

College of Education and Psychology

Graduate Degrees 2002-2003

Department	Major	Degree
Master's Level		
Curriculum, Instruction, and Special Education	Education (CUI)	Master of Education Master of Science
	Early Childhood (MED)	
	Elementary Education Emphasis (MED)	
	Reading Instruction Emphasis (MED)	
	Secondary Education Emphasis (MED)	
	Reading Instruction Emphasis (MS)	
	Secondary Education Emphasis (MS)	
	Special Education	Master of Education Master of Science
	Behavior Disorders Emphasis (MED)	
	Gifted Emphasis (MED)	
Learning Disabilities Emphasis (MED)		
Mental Retardation		
Mild/Moderate Emphasis (MED)		
Severe/Profound Emphasis (MED)		
Early Intervention	Master of Science	
Educational Leadership and Research	Adult Education	Master of Education
	Educational Administration	Master of Education
Psychology	Psychology	Master of Arts
	Counseling and Personnel Services	Master of Education
	College Counseling/ Personnel Emphasis	
	School Counseling Emphasis	
	Agency Counseling Emphasis	
	Counseling Psychology	Master of Science
Psychology	Master of Science	
Technology Education	Technology Education	Master of Science
	Business Technology Education	
	Technical & Occupational Education	
	Instructional Technology	Master of Science

College of Education and Psychology

Carl R. Martray, Dean

April D. Miller, Associate Dean

Hattiesburg, MS 39406-5023

(601) 266-4568

The University of Southern Mississippi, through its College of Education and Psychology, holds membership in the American Association of Colleges for Teacher Education, the Teacher Education

Elementary Education
Reading Instruction
Secondary Education

Specialization Areas (Secondary)

Art	Foreign Language	Physics
Biology	Mathematics	Science
Chemistry	Music Education	Social Studies
English	Physical Education	Speech Communication

Education: Special Education

Emphasis Areas

Behavior Disorders
Gifted Education
Learning Disabilities
Mental Retardation
—Mild/Moderate
—Severe/Profound

Master of Science

Major

Education: Curriculum and Instruction

Emphasis Areas

Reading Instruction
Secondary Education

Specialization Areas (Secondary)

Art	Foreign Language	Physics
Biology	Mathematics	Science
Chemistry	Music Education	Social Studies
English	Physical Education	Speech Communication

Education: Special Education

Emphasis Area

Early Intervention

Graduate degrees in the content areas of Curriculum, Instruction, and Special Education are contingent on satisfaction of lower level program requirements. Students seeking a Master's Degree in the content area of Curriculum and Instruction or in Special Education must have or be eligible for a Mississippi class A standard license, or its equivalent, in the area of study; applicants not meeting class A licensure standards in the proposed area of study will be required to take prescribed prerequisite course work. Students entering the Curriculum and Instruction or the Special Education Master's program who desire AA level Mississippi licensure must meet all A level requirements prior to seeking advanced licensure. Individuals who are matriculating at USM should become aware of the licensure requirements of those states where they wish to be licensed and should work with an adviser to see that those requirements are met.

Teaching Experience Requirement

The Department strongly recommends that a student gain at least one year of teaching experience before entering the Master's Degree program. Students must have two (2) years of teaching experience prior to completion of the master's degree.

Continuous Enrollment Requirement: Students must meet the requirement specified in the front section of this *Bulletin*.

Master's Programs for Curriculum and Instruction Content Area

The Department of Curriculum, Instruction, and Special Education offers a Master of Education degree with a major in curriculum and instruction and emphasis areas in early childhood education, elementary education, reading instruction, and secondary education. The Master of Science degree is offered with a major in curriculum and instruction with emphasis areas in reading instruction and in secondary education. The program of study at the Master's Degree level is designed to increase the professional competency of the classroom teacher and to provide the course work necessary to meet standards of teaching licensure at this advanced level. The Master's Degree programs require admission to a particular program, appointment of a graduate adviser, completion and submission of four copies of the application form for a master's degree at least one semester in advance of the date of graduation, successful completion of the comprehensive examination, and completion of all course work requirements.

Admission Requirements

Admission to master's programs offered in the content area of Curriculum and Instruction is selective. To be considered for **regular admission** to a master's degree program, an applicant must have:

- (a) an academic record reflecting a superior undergraduate grade point average. Recently, students regularly admitted to master's programs in Curriculum and Instruction have obtained average GPAs of 3.0 (figured on a scale where A equals 4.0) for the last two years of undergraduate study;
- (b) results from a national standardized achievement/aptitude test predictive of the ability to complete a graduate program successfully. These include the **Graduate Record Examination** (GRE) or the **Miller Analogies Test** (MAT);
- (c) three letters of recommendation from professionals in the field of education who are qualified to assess the applicant's readiness for graduate study. These letters should be sent to the department;
- (d) a letter of intent (describe reasons for pursuing a master's degree);
- (e) a professional resumé;
- (f) a copy of license.

Admission

The Department reviews qualified applicants for graduate work throughout the academic year. Applications adhering to these dates will receive notification on the specified date as mentioned.

Semester

Plan II (Non-Thesis Program)

REF 601, 607	6
CIS 700	3
CIR 754	3
Specialization	15
CIS 708	3
	Hours 30

The course requirements of Plan I and Plan II require a specialization of at least fifteen (15) semester hours which must be taken in one of the following areas:

Art
Biology

Music Education
Human Performance/Physical Education

Non-Thesis/Thesis Program

REF 601, 6076
 SPE 709, 7706
 Gifted Education Emphasis Area (SPE 560, 661, 662, 663, 664)
 (SPE Elective).....18
 Minimum Hours 30

Master of Education in Special Education with Emphasis in Learning Disability

For students who are presently certified in Mississippi at the Bachelor’s Level in Special Education, not by alternative route or add-on licensure: The student must provide evidence that the following prerequisites have been successfully completed: SPE 400 or equivalent course work and professionally appropriate experience with mild/moderate disabilities.

Non-Thesis/Thesis Program

REF 601, 607; SPE 709, 77012
 Specific Learning Disabilities (SPE 630, 631, 632, 640, 641, 651)18
 Minimum Hours 30

Master of Education in Special Education with Emphasis in Mental Retardation (Mild/Moderate)

For students who are presently certified in Mississippi at the Bachelor’s Level in Special Education, not by alternative route or add-on licensure: The student must provide evidence that the following prerequisites have been successfully completed: SPE 400 or equivalent course work and professionally appropriate experience with mild/moderate disabilities.

Non-Thesis/Thesis Program

REF 601, 607; SPE 709, 77012
 Select One Area of Emphasis (Mental Retardation or Specific Learning Disabilities)
Mental Retardation (SPE 630, 640, 641, 643, 651)
 and select one of the two LD courses (SPE 631, 632)
Specific Learning Disabilities (SPE 630, 631, 632, 640, 641, 651)18
 Minimum Hours 30

Master of Education in Special Education with Emphasis in Mental Retardation (Severe/Profound)

For students who are presently certified in Mississippi at the Bachelor’s Level in Special Education, not by alternative route or add-on licensure: The student must provide evidence that the following prerequisites have been successfully completed: SPE 400 or equivalent course work and professionally appropriate experience with students with severe/profound disabilities.

Non-Thesis, Thesis Program

REF 601, 6076
 SPE 709, 7706
 Severe/Profound Disabilities Emphasis Area
 Developmental Disabilities (SPE 578, 698)
 Mental Retardation (SPE 641, 644, 645)
 Behavior Management (SPE 651).....18
 Elective (Select one three (3) hour elective from the following: SPE 578, 597, 598, 640, 650).....3
 Minimum Hours 33

Substitutions for required courses must be approved in advance and in writing by the Graduate Coordinator or the Department Chair. Transfer credit must have prior approval by the Graduate Coordinator or Department Chair. In addition to the above requirements, the individual must pass comprehensive examinations. Each student is allowed two attempts to pass comprehensive examinations. Each student should register with the department’s graduate secretary for comprehensive examinations, one to three months prior to the examination.

Master of Science in Early Intervention

The Master of Science degree in early intervention is an interdisciplinary program between the School of Family and Consumer Sciences and the Department of Curriculum, Instruction, and Special Education. This thirty-six (36) hour degree program is designed to prepare students to work in state and community-based service systems serving infants and toddlers with disabilities (ages birth through five (5) years).

Non-Thesis/Thesis Program

Prerequisite Courses: SPE 400/500 and CD 451/551 (does not count toward degree program)	
REF 601	3
SPE 598, 628, 629, 688, 692, 770	18
SHS 730	3
CD 650, 652	6
Elective (Select two three (3) hour electives) (CIP)	6
	Minimum Hours 36

Specialist Programs for Curriculum, Instruction, and Special Education

It is strongly recommended that students who anticipate eventually entering into a doctoral program at USM or any other institution NOT apply for admission to the Specialist program. The Specialist degree is considered by many institutions as a terminal degree, and as such could become an impediment to advanced study.

The Department of Curriculum, Instruction, and Special Education offers the Specialist in Education degree with a major in Education: Curriculum and Instruction, with the option of the selection of an emphasis in early childhood education, elementary education, special education, secondary education, or reading instruction. Students pursuing a specialist's degree with emphasis in secondary education may choose a specialization from a number of teaching (subject) areas.

Entrance into a particular specialist's degree program presupposes that the student has completed, or is willing to complete, the course work required for that program at the Master's Degree level.

All specialist's degree programs require a minimum of thirty-four (34) graduate semester hours beyond the master's degree.

The specialist's degree program requires admission to a particular program; submission of an approved program of studies; completion of all required course work, to include the completion of one full-time semester/term of residence taking all nine (9) semester hours on either the Hattiesburg Campus or the Gulf Park Campus; successful completion of the Specialist's oral examination; and completion and defense of an approved thesis or field problem.

Admission Requirements

Admission to Specialist's programs offered in the Department of Curriculum, Instruction, and Special Education is selective. To be considered for **regular admission** to a Specialist's degree program, an applicant must have:

- an academic record reflecting a superior grade point average on previous graduate work. Recently, students regularly admitted to Specialist's programs in Curriculum, Instruction, and Special Education have obtained average GPAs of 3.25 (figured on a scale where A equals 4.0) on previous graduate coursework;
- results from the **Graduate Record Examination** (GRE) a national standardized achievement/aptitude test predictive of the ability to complete a Specialist's program successfully, and/or Miller's Analogy Test (MAT);
- three letters of recommendation from professionals in the field of education who are qualified to assess the applicant's readiness for graduate study. These letters should be sent to the department.
- a letter of intent (describe reasons for pursuing a master's degree)
- a professional resume;
- a copy of license.

Admission Deadlines

The Department reviews qualified applicants for graduate work throughout the academic year. Applications adhering to these dates will receive notification on the specified date as mentioned.

<u>Semester</u>	<u>Application Deadline</u>	<u>Notification Date</u>
Fall	First Monday in April	First Monday in May
Spring	First Monday in September	First Monday in October
Summer	First Monday in March	First Monday in April

Members of under represented groups are strongly encouraged to apply.

Admission to Specialist's programs offered in the Department of Curriculum, Instruction, and Special Education is contingent on the approval of the Departmental Graduate Committee, Department Chair, the Dean of the College, and the Dean of the Graduate School. An applicant

who fails to meet the above criteria for regular admission may be considered for **conditional admission** on an individual basis.

Students accepted on a conditional basis **MUST** obtain a 3.25 GPA or better on their first nine (9) hours of specified course work 600 level or higher or all course work taken while completing this 9-hour requirement. It is the responsibility of the student to inform the Department Chair, or Graduate Coordinator, when conditional status is to be removed.

Teaching Experience Requirement

No student will be eligible to receive a specialist’s or doctoral degree until he or she has completed at least three years of teaching experience at a grade or in the area of disability appropriate for the degree.

Residency

Students must meet the residency requirements specified in this *Bulletin*.

Continuous Enrollment Requirement: Students must meet the requirement specified in the front section of this *Bulletin*.

Specialist’s Degree

Specialist in Education with Emphasis in Early Childhood Education

REF 602	3
EDA 620	3
CIR 706 or 729	3
CIE 762, 790, 794	9
CIE 880	1
Elective (One three (3) hour elective)	3
Early Childhood Education	
Course work Emphasis Area (Select 12 hours of additional course work in the cognate area of Early Childhood)	12
	Hours 34

The specialist’s program with an emphasis in early childhood education consists of a minimum of thirty-four (34) semester hours beyond the master’s degree. Substitutions for required course must be approved in advance and in writing by the Graduate Coordinator or the Department Chair. Transfer credit must have prior approval by the Graduate Coordinator or Department Chair. In addition to the above requirements, the individual must plan, conduct, and report the results of a field problem. The comprehensive examination requirement for this degree will be met by presenting the results of the study to a committee of no less than three (3) faculty members in the department. A chair will be assigned to direct the research.

Specialist in Education with Emphasis in Elementary Education

REF 602	3
EDA 620	3
CIR 706 or 729	3
CIE 762, 790, 794	9
CIE 880	1
Elective (One three (3) hour elective)	3
Elementary Education	
Course work Emphasis Area (Select 12 hours of additional course work in one subject area of Elementary Education)	12
	Hours 34

The specialist’s program with an emphasis in elementary education consists of a minimum of thirty-four (34) semester hours beyond the master’s degree. Substitutions for required courses must be approved in advance and in writing by the Graduate Coordinator or the Department Chair. Transfer credit must have prior approval by the Graduate Coordinator or Department Chair. In addition to the above requirements, the individual must plan, conduct, and report the results of a field problem. The comprehensive examination requirement for this degree will be met by presenting the results of the study to a committee of no less than three (3) faculty members in the department. A chair will be assigned to direct the research.

Specialist in Education with Emphasis in Reading

REF 602	3
CIE 762, 790	6
EDA 620	3
CIE/CIS 880	1
CIE/CIS 794	3
Elective (Select one three (3) hour elective)	3
Reading Emphasis Area or Collateral Field.....	15
	Hours 34

The specialist's program with an emphasis in reading education consists of a minimum of thirty-four (34) semester hours beyond the master's degree. Substitutions for required courses must be approved in advance and in writing by the Graduate Coordinator or the Department Chair. Transfer credit must have prior approval by the Graduate Coordinator or Department Chair. In addition to the above requirements, the individual must plan, conduct, and report the results of a field problem. The comprehensive examination requirement for this degree will be met by presenting the results of the study to a committee of no less than three (3) faculty members in the department. A chair will be assigned to direct the research.

Specialist in Education with Emphasis in Secondary Education

REF 602	3
EDA 620 or REF 818	3
CIS 790	3
CIR 754 or CIS 708	3
CIS 880	1
Elective (One three (3) hour elective).....	3
CIS 794	3

Secondary Education Emphasis Areas (a specialization of at least fifteen (15) semester hours must be taken in one of the following areas: Art, Biology, Chemistry, English, Mathematics*, Music Education, Human Performance/Physical Education, Physics, Science**, Social Studies***, Speech Communication.....	15
	Hours 34

The specialist's program in secondary education consists of a minimum of thirty-four (34) semester hours beyond the master's degree. Substitutions for required courses must be approved in advance and in writing by the Graduate Coordinator or the Department Chair. Transfer credit must have prior approval by the Graduate Coordinator or Department Chair. In addition to the above requirements, the individual must plan, conduct, and report the results of a field problem. The comprehensive examination requirement for this degree will be met by presenting the results of the study to a committee of no less than three (3) faculty members in the department. A chair will be assigned to direct the research.

*The student selecting mathematics as a specialization area may not use any mathematics course designated as a mathematics refresher course, and courses with MAT prefix must be approved by

cognates, research, and practicum. A field study (SPE 794) of thesis (SPE 798) is required. A 3.0 GPA is required for graduation.

The specialist's program in special education consists of a minimum of thirty-three (33) semester hours beyond the master's degree.

Substitutions for required courses must be approved in advance and in writing by the Graduate Coordinator or the Department Chair. Transfer credit must have prior approval by the Graduate Coordinator or Department Chair. In addition to the above requirements, the individual must plan, conduct, and report the results of a field problem. The comprehensive examination requirement for this degree will be met by presenting the results of the study to a committee of no less than three (3) faculty members in the department. A chair will be assigned to direct the research.

Doctoral Programs for Curriculum and Instruction Content Area

The Department of Curriculum, Instruction, and Special Education offers Doctor of Education and Doctor of Philosophy degrees with a major in education with an emphasis in elementary education or secondary education. If a student desires to receive a Doctor of Philosophy degree, he or she should follow one of the doctoral programs outlined in this section and, in addition, gain proficiency in a foreign language.

The doctoral program with an emphasis in elementary education provides for specialization in either early childhood education or in reading. A student choosing an emphasis in elementary education, with or without a specialization in either early childhood education or in reading, must complete the

Admission to Doctoral programs offered in the content area of Curriculum and Instruction is contingent on the approval of the Departmental Graduate Committee, the Department Chair, the Dean of the College, and the Dean of the Graduate School. An applicant who fails to meet the above criteria for **regular admission** may be considered for **conditional admission** on an individual basis.

Students accepted on a conditional basis **MUST** obtain a 3.50 GPA or better on their first nine (9) hours of specified course work 600 level or higher or all course work taken while completing this 9-hour requirement. It is the responsibility of the student to inform the Department Chair or Graduate Coordinator when conditional status is to be removed.

All students must register for and complete the doctoral qualifying examination prior to the completion of their first twelve (12) hours of doctoral course work.

Research Tool(s)

For the Ed.D. degree, proficiency in one language is required. In all cases that language requirement shall be satisfied by successful completion of REF 761 and REF 762. The six hours for REF 761 and REF 762 shall not be considered part of the 75-hour requirement for the doctorate.

For the Ph.D. degree, proficiency in two languages, other than English (except in the case of students for whom English is not their native language), is required. In all cases, satisfaction of one of the two language requirements shall be satisfied by successful completion of REF 761 and REF 762. An additional language proficiency must be demonstrated (see department graduate coordinator). The hours for REF 761 and REF 762 and other courses taken to satisfy the language proficiency requirement shall not be considered part of the 75-hour requirement for the doctorate.

Teaching Experience Requirement

No student will be eligible to receive a doctoral degree until he or she has completed at least three years of teaching experience at a grade or in the area of disability appropriate for the degree.

Residency

Students must meet the residency requirements specified in this *Bulletin*. The doctoral residency requirement for Curriculum and Instruction content requires twenty-four (24) continuous hours of graduate study on campus within two consecutive semesters (fall, spring).

Continuous Enrollment Requirement: Students must meet the requirement specified in the front section of this *Bulletin*.

Doctoral Degrees

Doctor of Education and Doctor of Philosophy with Emphasis in Elementary Education

REF 893*	3
CIE 790	6
EDA 711 or 713	3
Elective (Select from: CIE 600, 606, 704, 724, 725, 768 or CIR 705)	9
CIE 791	6
CIE 862	3
CIE 880	3
CIE 898	12

*REF 761 and 762 are prerequisites for this course.

Emphasis Requirements:

In addition to the forty-five (45) semester hour core requirement listed above, students pursuing the doctoral degree with an emphasis in elementary education must complete at least twenty-one (21) hours beyond the master’s degree in elementary education and a minimum of nine (9) hours in a related field(s) outside the Department of Curriculum, Instruction, and Special Education.

Students desiring specialization in early childhood education must complete at least twenty-one (21) hours beyond the master’s degree in early childhood and elementary education and a minimum of 5 TD 0.009sfield

Department of Curriculum, Instruction, and Special Education.

Students seeking an emphasis in elementary education, with or without a specialization in either early childhood education or in reading, are to choose electives to complete a program consisting of a minimum of seventy-five (75) graduate semester hours beyond the master's degree.

More than seventy-five (75) hours may be required in order to satisfy deficiencies which may exist in the student's background and preparation.

Doctor of Education and Doctor of Philosophy with Emphasis in Secondary Education

REF 893*	3
CIS 790	6
EDA 711 or 713	3
Elective (Select from: CIS 542, 600, 707, 710, or CIR 754)	9
CIS 791	6
CIS 880	3
CIS 898	12

*REF 761 and 762 are prerequisites for this course.

Emphasis Requirements:

The forty-two (42) semester hours of required course work listed above serve as a core program for students pursuing a doctoral degree with an emphasis in secondary education. The doctoral program consists of a minimum of seventy-five (75) graduate semester hours beyond the master's degree. More than seventy-five (75) hours may be required in order to satisfy deficiencies which may exist in the student's background and preparation.

Of the total number of hours required for a doctoral degree with an emphasis in secondary education, thirty-three (33) semester hours of graduate credit must be taken in one of the following specialization or content areas:

Biology	Reading
Chemistry	Science
English	Social Studies
Mathematics	

Doctoral Programs for Special Education Content Area

The doctoral program is comprehensive and places emphasis on teacher education, administration, research, and community services (with an internship required in at least one of these areas). The candidate is expected to develop competency in each of the above areas; the program will be based upon these as well as experience, background, and information gathered from written and oral qualifying examinations. Individualized program plans are formalized by candidates and their advisers following the successful completion of the qualifying examinations.

The doctoral program requires a minimum of 54 hours past the master's degree and a residency which requires 12 semester hours to be completed during each of two consecutive semesters of fall and spring.

Required courses include:

Teacher Education	SPE 801, 803, 880
Administration	SPE 770, 772, 805
Research	SPE 791, 800, 804
Community Service	SPE 792, 802

Students should consult the departmental guidelines and the *Admission Requirement Procedures* section and the *General Academic Requirements* section of this *Graduate Bulletin*.

Admission Requirements

Admission to Doctoral programs offered in the Department of Curriculum, Instruction, and Special Education is selective. To be considered for regular admission to a Doctoral degree program, an

admitted to master's programs in Curriculum, Instruction, and Special Education 2deg obtained

- average GPAs of 3.50 (figured on a scale where A equals 4.0) on previous graduate coursework;
- (b) results from the Graduate Record Examination (GRE);
 - (c) a writing sample consisting of a major paper, article, report, etc.;
 - (d) a letter of intent;
- (e) three letters of recommendation from professionals in the field of education who are qualified to assess the applicant's readiness for graduate study. These letters should be sent to the department;
- (f) a professional resume;
 - (g) a copy of license.

Admission Deadlines

The Department reviews qualified applicants for graduate work prior to the inception of each semester. It is the policy of the department to accept or reject applications received prior to published deadline dates. Qualified applications will be reviewed at specified dates before each semester, and applicants will be notified of acceptance for the following semester.

Semester	Application Deadline	Notification Date
Fall	First Monday in April	First Monday in May
Spring	First Monday in September	First Monday in October
Summer	First Monday in March	First Monday in April

Late applications, or applications submitted after the deadline, may result in a delay in notification.

Individuals who have submitted applications which qualified for admission, but who were not selected for enrollment in a given semester, are encouraged to request that their application remain active for future consideration.

Members of under-represented groups are strongly encouraged to apply.

Admission to Doctoral programs offered in the content area of Curriculum, Instruction, and Special Education is contingent on the approval of the Departmental Graduate Committee, the Department Chair, the Dean of the College, and the Dean of the Graduate School. An applicant who fails to meet the above criteria for **regular admission** may be considered for **conditional admission** on an individual basis. Students accepted on a conditional basis **MUST** obtain a 3.50 GPA or better on their first nine (9) hours of specified course work 600 level or higher or all course work taken while completing this 9-hour requirement. It is the responsibility of the student to inform the Department Chair or Graduate Coordinator when conditional status is to be removed.

All students must register for and complete the doctoral qualifying examination.

Research Tool(s)

For the Ed.D. degree, proficiency in one language is required. In all cases that language requirement shall be satisfied by successful completion of REF 761 and REF 762. The six hours for REF 761 and REF 762 shall not be considered part of the 54-hour requirement for the doctorate.

For the Ph.D. degree, proficiency in two languages, other than English (except in the case of students for whom English is not their native language), is required. In all cases, satisfaction of one of the two language requirements shall be satisfied by successful completion of REF 761 and REF 762. An additional language proficiency must be demonstrated (see department graduate coordinator). The hours for REF 761 and REF 762 and other courses taken to satisfy the language proficiency requirement shall not be considered part of the 54 hour requirement for the doctorate.

In addition, each candidate will be expected to include intensive study in their area of emphasis, and a minimum of six (6) semester hours of course work from a department outside of Curriculum, Instruction, and Special Education. Twelve (12) hours of academic credit are designated for the dissertation (SPE 898).

Residency

Students must meet the residency requirements specified in this *Bulletin*. The doctoral residency requirement for Special Education content requires two (2) consecutive regular semesters (fall, spring) of graduate study on campus of (12) twelve hours each.

Continuous Enrollment Requirement: Students must meet the requirement specified in the front section of this *Bulletin*.

and Research is selective. Regular admission is contingent on having graduated from a college or university accredited by a recognized regional accrediting agency. In addition, the graduate

Specialist's Degrees

Specialist in Education with Emphasis in Educational Administration and Higher Education Administration

Admission

Admission to the University of Southern Mississippi's graduate programs in Educational Leadership and Research is selective. Regular admission is contingent on having graduated with a master's degree from a college or university accredited by a recognized regional accrediting agency. In addition, the graduate admissions committees of the Department recommend admittance only for those applicants whose academic background, work experience, demonstrated leadership, and communication skills meet the challenging demands of graduate programs in Educational Leadership and Research. In evaluating applications, the admission committees utilize separate criteria in each degree program offered.

Required Criteria

GRE or MAT score
 GPA on previous graduate work
 three letters of recommendation from persons qualified to assess the applicant's readiness for graduate study
 vita/resume
 folio
 letter of intent

Supplementary Criteria*

other standardized test scores
 interview
 writing sample
 GPA on last 2 years of undergraduate work
 professional experience

Members of underrepresented groups are strongly encouraged to apply.

*Supplementary materials may be submitted at the student's discretion or may be requested by the admission's committee.

Application for Graduation

Graduation is based upon:

1. Completion of an approved program of studies as determined by the student's committee which will consist of 36-39 semester hours of credit required for graduation.
2. Satisfactory completion of the comprehensive examination.
3. Successful defense of the research project or completion of the field problem.
4. A minimum 3.0 cumulative GPA is required for graduation.

Programs

The specialist's degree students must complete the appropriate program depending on their certification in the K-12 program. If not certified in administration, the basic program must be followed. If certified in administration, the advanced program must be completed.

A minimum of nine (9) semester hours in cognate areas is required in some of the specialist's degree programs. The department defines cognate areas as those courses which broaden and complement the student's program. These courses and other electives will be chosen with the approval of the student's major professor, and additional hours may be required to satisfy deficiencies in the student's program.

Curriculum

Basic - Non-Administration Certified

EDA 600, 616, 620, 628, 650, 704, 706,
708, 736, 738

REF 607

EDA 794 or EDA 798

Advanced - Administration Certified Educational Administration (36-39 hrs)

EDA 700, 701, 710, 712, 720, 738, 742, 755, 780

EDA 794 or EDA 798

Electives—6 or 9 hours in cognate areas

Higher Education Administration (36-39 hrs)

EDA 711, 712, 713, 714, 715, 716, 717, 719,
736, 738

EDA 794 or EDA 798

Electives—6 or 9 hours in cognate areas

Residency

Students must meet the residency requirements specified in this *Bulletin*.

D O > > R e q u i r e m e n t s s p e c i f i e d

Admission to Candidacy

Admission to candidacy should be submitted one semester prior to graduation and will be approved by the student's graduate committee upon:

1. Completion of an approved program of studies.
2. Satisfaction of the research tools: language and/or statistics requirement.
3. Completion of an approved dissertation prospectus.
4. Completion of the comprehensive examination.
5. Completion of the residency requirement.

Application for Graduation

Graduation is based upon:

1. Meeting the departmental and Graduate School deadlines for receiving the completed dissertation.
2. Successful defense of the completed dissertation.
3. A minimum 3.0 cumulative GPA is required for graduation.
4. Residency requirement.

Programs

At the doctoral level, programs are provided in: (1) Educational Administration and (2) Higher Education Administration. The doctoral program requires a minimum of seventy-eight (78) semester hours beyond the master's degree inclusive of the dissertation and proficiency in statistics. The student's doctoral committee, appointed by the Graduate Dean, will approve the selection of required courses and electives and, in order to secure breadth and depth in the student's preparation program, may require more than the minimum number of hours of graduate credit. Nine (9) hours of cognate area credit are normally required. The department defines cognate areas as those courses

Required Criteria

Supplementary Criteria*

Required Criteria

- Letter of Application
- GRE or MAT scores
- GPA on last 2 years of undergraduate work
- GPA on previous graduate work
- three letters of recommendation from persons qualified to assess the applicant's readiness for graduate study

Supplementary Criteria*

- other standardized test scores
- interview
- vita/resume
- writing sample
- professional experience

Members of underrepresented groups are strongly encouraged to apply.

*Supplementary materials may be submitted at the student's discretion or may be requested by the admission committee.

Curriculum Requirements

The Master of Education degree requires thirty (30) semester hours of graduate course work (no thesis is required for this degree). In addition to the eighteen (18) hours of courses specified below, twelve (12) hours of electives must also be taken. Eighteen (18) hours must be 600 level or higher.

Required Courses

	Hours
ADE 540, 576, 601, and 607 (ADE core).....	12
REF 601 (Introduction to Research).....	3
REF 604 or 816 or 818 (Educational Foundations) or a seventh course in Adult Education.....	3

Electives

Two additional ADE courses.....	6
Courses in degree-related areas.....	6
	30

To graduate, students must complete an approved thirty (30) semester hour program of studies with a 3.0 grade point average and successfully complete a written comprehensive examination.

Continuous Enrollment Requirement: Students must meet the requirement specified in the front section of this *Bulletin*.

**Specialist in Education
with Emphasis in Adult Education**

Admission

Admission to the University of Southern Mississippi's graduate programs in Educational Leadership and Research is selective. Regular admission is contingent on having graduated from a college or university accredited by a recognized regional accrediting agency. In addition, the graduate admissions committees of the Department recommend admittance only for those applicants whose academic background, work experience, demonstrated leadership, and communication skills meet the challenging demands of graduate programs in Educational Leadership and Research. In evaluating applications, the admission committees utilize separate criteria in each degree program offered.

Required Criteria

- Letter of Application
- GRE or MAT scores
- GPA on previous graduate work
- three letters of recommendation from persons qualified to assess the applicant's readiness for graduate study

Supplementary Criteria*

- other standardized test scores
- interview
- vita/resume
- writing sample
- GPA on last 2 years of undergraduate work
- professional experience

Members of underrepresented groups are strongly encouraged to apply.

*Supplementary materials may be submitted at the student's discretion or may be requested by the admission's committee.

Curriculum Requirements

The Specialist in Education degree requires thirty-three (33) semester hours of graduate work beyond the master's degree. Adult Education Specialist students must complete all ADE and REF courses (or their equivalents) specified for the Master of Education in Adult Education. Students are also required to complete either a thesis (ADE 798) or an appropriate field study (ADE 794). Altogether, students should complete twenty-four (24) semester hours of adult education courses and nine (9) hours from relevant content areas or behavioral sciences related to the goals of the student. All courses must be approved by the student's adviser. A 3.0 GPA is required for graduation.

To graduate, students must complete an approved thirty-three (33) semester hour program of studies with an acceptable grade point average, successfully complete a written comprehensive examination, and successfully complete and defend an acceptable thesis or field study.

Residency

Students must meet the residency requirements specified in this *Bulletin* or by the department.

Continuous Enrollment Requirement: Students must meet the requirement specified in the front section of this *Bulletin*.

Doctor of Education and Doctor of Philosophy with Emphasis in Adult Education

Admission

Admission to the University of Southern Mississippi's graduate programs in Educational Leadership and Research is selective. Regular admission is contingent on having graduated from a college or university accredited by a recognized regional accrediting agency. In addition, the graduate admissions committees of the Department recommend admittance only for those applicants whose academic background, work experience, demonstrated ability for the program, and other factors indicate a high probability of success. For more information, contact the Department of Adult Education at 387-7623 or visit the Department's website at www.usm.edu/education/adult-ed.

master's degree. Doctoral students must complete a residency requirement of either (a) two consecutive terms of 12 hours each, (b) three consecutive terms of 9 hours each, (c) four consecutive terms of 6 hours each, or (d) two non-consecutive terms (only one of which may be a summer term) of 12 hours each with 3 hours of classroom-based courses for each intervening term. Physical residence on campus or in Hattiesburg is recommended but not required during residency. A 3.0 GPA is required for graduation.

Continuous Enrollment Requirement: Students must meet the requirement specified in the front section of this *Bulletin*.

Departmental Program of Studies (minimum 72 credit hours)

Doctoral students in adult education will complete a number of required courses and electives, but the program is designed to allow intensive pursuit of other areas in which adult educators may have interest or professional goals. Accordingly, there are several possible tracks students may pursue in addition to the requirements common for all students. The minimum required program includes:

	Hours
ADE 540, 576, 601, 607, and 889 (ADE Core)	15
ADE Electives (15 hours of which must be classroom courses)	18
ADE 898 (dissertation)	12
REF 601 and REF 602	6
REF 604, 816, or 818 or an additional elective in Adult Education	3
REF 761 and 762.....	6
Additional Coursework:	
Ed.D. Electives.....	12
or	
Ph.D. research methodology	6
Ph.D. electives.....	6
	72

Within this program, students may pursue related areas in which to specialize, or tracks. Students are not required to be in a track; they are not prescriptive. They are, however, suggestive of possible plans for individual doctoral programs.

Administrative and Managerial: For those interested in public sector and private sector administration. In addition to ADE 602 and 603, recommended course areas would include Business, Management, Marketing, and Educational Administration.

Adult Basic Education: For those interested in teaching and administering adult basic and secondary education. Recommended courses include ADE 541, 542, 545, 602, and related courses in Reading and English composition.

Research: For those interested in conducting research at a professional level. Recommended course areas would include statistics, research design, grant writing, historical research methods, psychology, and computers.

Career Specialization: For those interested in using their elective courses to pursue specific career interests, such as nursing, criminal justice, fine arts, liberal arts, business, technical fields, library services, etc. Many people in this track might be teachers or trainers in post-secondary institutions, health-related organizations, or business organizations.

Gerontology: For those interested in the older adult. In addition to ADE 580 and 750, germane courses in psychology, sociology, social work, and/or counseling are recommended.

Dissertation (12 hours)

During the dissertation process, all students must complete twelve (12) hours of ADE 898, Dissertation. A minimum of three (3) credit hours of ADE 898 must be completed during the semester in which the dissertation is defended. The student submits three documents to a doctoral committee of five faculty: a pre-proposal, a proposal, and a completed dissertation. The last two are defended orally. A student applies for candidacy only after all degree requirements except the oral defense of the dissertation are completed .

Examinations

Comprehensive written examinations are prepared by doctoral committee mxami dcto speci 545, 602, aaed 4nsFor fr

Any students who have been inactive, as determined by the committee chair or the Graduate School following the comprehensive examination, will take an additional examination in Adult Education to assure currency prior to beginning or continuing work on the dissertation.

Graduation

To complete either the Ed.D. or Ph.D. degree in Adult Education, students must meet residency requirements, maintain a minimum 3.0 cumulative grade point average, complete all course work, complete necessary proficiencies, pass the comprehensive examination, and successfully complete and defend a dissertation.

Department of Psychology

Stan A. Kuczaj, II, Chair
Hattiesburg, MS 39406-5025
(601) 266-4177

Alford, Berman, Buelow, Dahlen, Edwards, Fortunato, Goggin, Greer, Hailey, Harsh, Hartwig,
Hollandsworth, G. Jones, Koepfel, Kuczaj, Leach, Lyddon, McCoy, Mae, Martray, Olmi, Paul, Randolph,
Range, Sison*, Tingstrom, Turner, Wagner, Wesley,*

**Associate Graduate Faculty*

The Department of Psychology offers graduate programs at the master's and doctoral levels. Master's degrees with a major in Psychology (M.A. or M.S.) prepare students for advanced graduate work. The Master's degrees in Counseling Psychology (M.S.) and Counseling and Personnel Services (M.Ed.) prepare entry-level counselor personnel for service delivery roles in community agency and educational settings. The M.S. program in Counseling Psychology also provides a track for students who wish to pursue advanced graduate study.

The department's Ph.D. programs in clinical, counseling, industrial/organizational, and school psychology are based on the scientist-practitioner training model which integrates scientific and professional components at all stages of training, preparing graduates for teaching, research, and practice roles in health service, governmental, educational, business/industrial, and/or academic settings. The Ph.D. program in general-experimental psychology prepares graduates for teaching and research roles in academic institutions and specialized research programs.

At the Ph.D. level, programs in clinical, counseling, and school psychology are fully accredited by the American Psychological Association (APA). In addition, the doctoral program in school psychology is accredited by the National Association of School Psychologists (NASP). At the master's level, the program in counseling psychology is accredited by the Council for Accreditation of Counseling and Related Educational Programs (CACREP). Since program requirements, application material, and curricula may vary from one program to the next, program brochures should be accessed online or requested from the department if detailed information is needed.

Master's Degree Programs

Students are admitted to the M.A. program in Psychology based on an assessment of their potential to successfully complete a doctoral program. Hence, admissions requirements are essentially the same as those as listed for the Ph.D. in Psychology (see description under Ph.D. in Psychology). Some students initially seek a doctoral degree but may, at some point, opt to terminate with a

The Admissions Committee takes into account factors such as test scores, undergraduate grade-point-average, and letters of recommendation from persons qualified to assess the applicant's readiness for graduate study in making admissions decisions.

Members of under represented groups are strongly encouraged to apply.

Continuous Enrollment Requirement: Students must meet the requirement specified in the front section of this *Bulletin*.

Curricula: M.A. and M.S. Degrees in Psychology

Common Requirements for the Master of Arts and Master of Science Degrees

A. College Student Personnel Services Emphasis

This emphasis prepares graduates for student personnel positions in community/junior colleges, colleges, and universities. Students may enter the College Student Personnel emphasis from any undergraduate major.

Class AA Standard School Counselor Certificate; and (c) has obtained at least one year of full time, paid experience as a school counselor. Course work used to fulfill requirements for a master's degree and/or previously used to meet Class AA School Counselor Certification requirements

Doctoral qualifying and comprehensive exams are required. Check with department chair for information on these exams. A 3.0 GPA is required for graduation.

Departmental Courses:

PSY 718	3
PSY 898	12
Psychological Foundations: Completion of the remaining 1 of the following 4 content areas: (3 content areas are required for USM Master’s degree; students who enter USM with a Master’s degree must complete all 4 content areas for the Ph.D. degree	3
Biological Area: PSY 624 or PSY 726	
Cognitive Area: PSY 621 or PSY 722	
Social Area: PSY 750 or PSY 655	
Individual Differences and Life Span Development Area: PSY 635 or PSY 679	

NOTE: All choices between core courses as well as selection of elective courses must be approved by the student’s major adviser and the emphasis area Director of Training.

Requirements for an Emphasis in Experimental Psychology

In addition to the requirements listed under Common Requirements for the Doctor of Philosophy degree, the student must take the following:

	Hours
Departmental Courses:	
PSY 701 (1 hour), 702; 728 (9 hours)	13
Electives:	27

NOTE: All electives must be approved by the student’s major adviser and emphasis area Director of Training.

Requirements for an Emphasis in Clinical Psychology

In addition to the requirements listed under Common Requirements for the Doctor of Philosophy degree, the student must take the following:

	Hours
Professional Core:	
PSY 607, 608	2
Clinical Core:	
PSY 640, 641, 735 (9 hours), 736, 740, 780, 782 (minimum 9 hours), 784, 794 (9 hours), 881 (12 hours), 734 or 742, 777	63
Electives:	19

NOTE: All electives must be approved by the student’s major adviser and emphasis area Director of Training.

Requirements for an Emphasis in Counseling Psychology

In addition to the requirements listed under Common Requirements for the Doctor of Philosophy degree, the student must take the following:

	Hours
Psychological Foundations	
Departmental Master’s core and PSY 613	
Professional Core	
PSY 607; 608; 614, 642, 701, 710, 712 or 780, 713, 714, 740 or 835, 741, 811, 836, and 870 (6 credit hours)	35
Practica, Externships, and Internship	
PSY 652, 762, 763, 786, 796, 883, 835, and/or 840, and 860	24-27
Research Design and Analysis:	
Department Master’s core and PSY 791 and 850 or REF 893	13-16

Elective Concentrations:
Elective areas include courses in Child/Family Interventions, Behavioral Medicine/Health Psychology, and Gerontology. Electives must be approved by the student’s major adviser and the emphasis area Director of Training.

Requirements for an Emphasis in Industrial/Organizational Psychology

In addition to the requirements listed under Common Requirements for the Doctor of Philosophy degree, the student must take the following:

	Hours
Professional Core:	
PSY 607, 751, 752, 753, 761, 765, 766, 767, 768, 791 (9 hours.)	34
Supervised Field Experience (Practica)	

Students in the Industrial/Organizational emphasis area must complete 6 hours of supervised field experience, which must be approved by the student's major adviser and emphasis area director6

NOTE: All electives must be approved by the student's major adviser and the emphasis area Director of Training. The Industrial/Organizational program currently requires 2 elective courses in Management. The remaining 6 hours may consist of psychology or management courses.....12

Requirements for an Emphasis in School Psychology

In addition to the requirements listed under Common Requirements for the Doctor of Philosophy degree, the student must take the following:

	Hours
Departmental Courses:	
PSY 607, 608, 613, 614, 635 or 679 (choose the one not taken at Master's level), 642, 643, 671 (3 hours), 691 (9 hours), 693 (2 hours), 621 or 722 (choose the one not taken at Master's level), 750 or 655, 771 (21 hours); 791 (6 hours), 772, 773, 774, 775, 777, 793 (6 hours), 880 (8 hours).....	93
Electives	12

NOTE: All electives must be approved by the student's major adviser and the emphasis area Director of Training. The selection of an internship must conform to NASP and CDSPP standards.

Note: Students completing the doctoral degree program with an emphasis in School Psychology will be eligible to apply for Mississippi AAAA School Psychologist licensure. Each student, in consultation with the major professor, should identify any additional requirements necessary for licensure in the state in which the student plans to work.

Department of Technology Education

Edward C. Mann, Chair
Hattiesburg MS 39406-5036
(601) 266-4446

Hartsell, Lanmon, Shoemaker, Mann, Yuen*
**Associate Graduate Faculty*

The Department of Technology Education offers graduate programs leading to the Master of Science degree: Master of Science in Technology Education with an emphases in Business Technology Education or an emphasis in Technical and Occupational Education and a Master of Science in Instructional Technology.

The purpose of the Master of Science in Technology Education is to provide teachers of Business,

requirement in order to qualify for regular admission. The appropriate master's degree will be conferred upon candidates who (1) meet admission requirements listed above, (2) complete one of

Master of Science Degree in Instructional Technology

All students pursuing a Master of Science Degree in Instructional Technology must complete the following requirements:

	Hours
IT 620, 636, 642, 644, 645, 648, and 698 or 699.....	21
REF 601, 607	6
Electives—Six (6) semester hours. Subject to the approval of the student’s adviser and/or department chair.	<u>6</u>
	33

Graduate Minors in Instructional Technology

Master’s/Specialist’s Level Minor Requirements

College of Health and Human Sciences

**Graduate Degrees
2002-2003**

Department/School	Major	Degree
Master's Level		
Center for Community Health	Public Health	Master of Public Health
	Epidemiology and Biostatistics Emphasis	
	Health Education Emphasis	
	Health Policy and Administration Emphasis	
	Occupational Health and Safety Emphasis	
	Public Health Nutrition Emphasis	
	MPH/MBA Dual Degree	

College of Health and Human Sciences

L. Jane Boudreaux, Dean
Jerome Kolbo, Associate Dean
Hattiesburg, MS 39406-0075
(601) 266-5253

Purpose

The College of Health and Human Sciences seeks to improve the health and well-being of individuals, families, organizations, and communities.

Mission

The College of Health and Human Sciences prepares students to work in applied arts and sciences positions that enhance the quality of life for individuals, groups, families, organizations, and communities. This mission is accomplished through the teaching, service, and research of faculty, staff, and students.

Through classroom, laboratory, and field teaching, our graduates are prepared for service in professional, applied programs that address the complex, dynamic human needs within the community, state, region, and nation.

Through classroom and field teaching, our graduates are prepared for service in professional, applied programs that address the complex, dynamic human needs within the community, state, region, and nation.

Minimum TOEFL score is 250 for international applicants.

Applications are evaluated by the Center's Graduate Admissions Committee. Enrollment is limited to 15 students per admission cycle with priority given to Mississippi residents. Other factors in the decision for admission include the GPA, GRE or GMAT scores, writing skills demonstrated in the essay, and the reference letters.

Students applying to the MPH/MBA program must also apply to the MBA program and take the GMAT exam.

Program Requirements

Continuous Enrollment. Students must meet the requirement specified in the front section of this *Bulletin*.

M.P.H. Core Requirements

	Hours
CHS 601 Introduction to Community Health Practice	3
CHS 622 Epidemiology	3
CHS 623 Biostatistics	3
CHS 625 Health Administration	3
CHS 655 Environmental Health	3
CHS 656 Social and Behavioral Aspects of Health	3
CHS 611 Internship	3-9

Requirements for Emphasis in Epidemiology and Biostatistics

CHS 520 Communicable and Chronic Disease in Man	3
CHS 680 Research Techniques	3
CHS 685 Contemporary Issues in Health or approved elective	3
CHS 722 Infectious Disease Epidemiology	3
CHS 723 Biostatistics II	3
REF 762 Advanced Regression Analysis	3

Requirements for Emphasis in Health Education

CHS 508 Health Education Methods	3
CHS 609 Community Health Education Planning	3
CHS 512 Measurement and Evaluation	3
CHS 720 Community Organization for Health Education	3
Approved Health Education Electives	6

Requirements for Emphasis in Health Policy and Administration

CHS 627 Health Policy	3
CHS 657 Financial Aspects of Health Administration	3
CHS 670 Health Law and Justice	3
CHS 710 Seminar	3
CHS 757 Financial Aspects of Health Care II	3
CHS 792 Special Problems in Health	3

Requirements for Emphasis in Occupational Health and Safety

CHS 638 Workplace Health Promotion	3
CHS 658 Occupational Health	3
CHS 670 Health Law and Justice	3
CHS 744 Behavioral Problems in Safety	3
CHS 746 Administration and Supervision of Safety Programs	3
Approved Elective	3

Requirements for Emphasis in Public Health Nutrition

CHS 665 Public Health Nutrition Programs and Principles	3
CHS 666 Nutrition Program Planning and Evaluation	3
CHS 720 Community Organization for Health Education	3
NFS 662 Community Health and Nutrition	3
Approved Electives	6

Specific requirements and courses available for the minor and the certificate can be found under the

Applicants are encouraged to obtain a minimum of one year's teaching experience prior to pursuing the advanced degree.

Prior to taking written and oral comprehensive examinations, students must remove all grades of "I" (Incomplete) from their records.

Professional presentations are required of all graduate students who complete the Master of Science in Family and Consumer Studies.

Requirements for the Master of Science in Human Nutrition

Thesis (36 hrs)		Non-Thesis (36 hrs)	
	Hours		Hours
CHS 540, 623 or REF 601, 602	6	CHS 540, 623 or REF 601, 602	6
NFS 693	2	NFS 693	2
NFS 664, 720, 730, 94 740	3	NFS 664 or 720 or 730 or 740	3
NFS 641 or NFS 662	3	NFS 641 or NFS 662	3
NFS 698	6	NFS 692	3
NFS 703	3	Choose two: NFS 704, 705, 706, 707, or 708	4
Choose two: NFS 704, 705, 706, 707, or 708	4	Nutrition Electives	3
Nutrition Electives	3	Electives	12
Electives	6		

Master of Science in Institution Management

Overview of Major

The graduate program in Institution Management is designed for individuals interested in careers in food service management, administrative dietetics, hotel management, school food service, restaurant management, or tourism. Students complete the core courses and a thesis or a minor in nutrition, business, recreation, or an approved area, and elect courses in their area of specialization with the adviser's approval. Students with appropriate prerequisites may also make application to complete requirements for credentialing as a registered dietitian through USM's Didactic Program in Dietetics and Dietetic Internship, both of which are accredited by the Commission on Accreditation for Dietetics Education.

Requirements for the Master of Science in Institution Management

Thesis Program Requirements (36 hrs)		Non-Thesis Program Requirements (36 hrs)	
	Hours		Hours
REF 601, 602	6	REF 601, 602	6
NFS 693	2	NFS 675	3
NFS 698	6	NFS 676	3
NFS 703	3	NFS 692	4
NFS 774	3	NFS 693	2
NFS 777	3	NFS 774	3
Electives	13	NFS 777	3
		Minor or Electives	12

Master of Science in Marriage and Family Therapy

Overview of Major

The Master of Science in Marriage and Family Therapy is an accredited program by the Commission on Accreditation for Marriage and Family Therapy Education of the American Association for Marriage and Family Therapy. The two-year program of study combines academic course work with supervised clinical experiences involving couples, individuals, and families. The program is designed to focus on the integration of theory, research, and clinical practice throughout family life span development. The contextual and ecological aspects of systemic family treatment are emphasized. The program consists of (1) the conceptual study of the family dynamics, family systems and subsystems, communication processes, and developmental family life cycle changes; (2) the diagnosis/assessment and treatment process utilizing the specific techniques associated with the major models of system change; (3) the study of human development in the context of the interface of interpersonal, intrapersonal, and intergenerational issues, intimacy and gender issues, and ethnic minority issues; (4) instruction related to professional socialization, legal and ethical considerations; (5) the application of research methodology and data analysis to the field of marriage and family therapy; and (6) supervised clinical practice which consists of a minimum of 500 face-to-face contact hours with clients (conducted over a period of one calendar year). Due to the professional nature of the Marriage and Family Therapy program, student performance is evaluated at the following major transition points: (1) entry into the clinical component of the program, and (2) advancement through each step of a four level Practicum Program. Movement through each transition point requires an endorsement by a majority of the Marriage and Family Therapy faculty. Graduates of the program are prepared to fill family therapy leadership roles in both public and private human services agencies, public and private psychiatric hospitals, and in mental health services to industry.

Special Requirements

In addition to requirements for admission to the School, the Marriage and Family Therapy Program requires a personal interview with the program director and the director of training, and emotional stability and maturity, as evidenced through at least three letters of recommendation from previous professors or employers. Students wishing to apply to the Marriage and Family Therapy program are encouraged to turn in their application at any time prior to March 1 for priority consideration. Interviews will begin in March to select the 12 students to be admitted to the program.

Requirements for Master of Science in Marriage and Family Therapy (60 hour Minimum)

	Hours
FAM 665 Sex Therapy	3
FAM 610 Marital Therapy	3
FAM 615 Gender and Culture in the Family	3
FAM 600 Prepracticum in Marriage and Family Therapy.....	3
FAM 650 Advanced Family Systems Theory.....	3
FAM 651 Parents and Children: Problem Resolution	

6. Three letters of recommendation addressing professional competence and readiness for doctoral work should be sent directly to the academic coordinator, School of Family and Consumer Sciences.
7. An interview must be scheduled with the graduate faculty in Nutrition and Food Systems.
8. Applicants whose native language is not English must present a minimum TOEFL score of 550.
9. The application must be approved by the Graduate Faculty, the Director of the School of Family and Consumer Sciences, the Dean of the College of Health and Human Sciences, and the Dean of the Graduate School.

NOTE: Students not meeting the requirements for regular admission may be considered for conditional admission.

Residency

Students must meet the residency requirements specified in this *Bulletin*.

Continuous Enrollment Requirement. Students must meet the requirement specified in the front section of this *Bulletin*.

Requirements for a Ph.D. in Nutrition and Food Systems

Qualifying Exam. Student must take a qualifying exam.

Research Tool(s). The student must demonstrate proficiency in statistical methods and one other research area.

Statistics Proficiency. The statistics requirement may be met by choosing three (3) of the following courses or by approval of the student's advisory committee.

CHS 623: Biostatistics

REF 602 or a univariate statistics class

REF 761: Experimental Design

REF 762: Advanced Regression Analysis

PSY 764: Factor Analysis

Second Research Tool Proficiency. To be determined in conjunction with student's advisory committee.

NOTE: Hours earned satisfying the research tools do not count toward the degree.

Core Requirements (12 hours)

NFS 810 Food and Nutrition and Public Policy

NFS 774 Management of Nutrition Services: A Behavioral Approach

NFS 703 Research Techniques for Nutrition and Food Systems

NFS 811 Doctoral Seminar (total of 3 credit hours)

Communication Skills (3-6 hours)

SCM 605 Interpersonal Communications

SCM 610 Problems in Organizational Communications

EDA 701 Analysis of Teaching Behavior

MGT 610 Organizational Management

MGT 620 Organizational Behavior and Practice

Dissertation (12 hours)

NFS 898 Dissertation

Other Course Work (24-27 hours).

Includes coursework from nutrition and food systems and other disciplines. Specific courses will be approved by the student's graduate committee. A minimum of six (6) hours must be taken from areas outside nutrition and food systems:

NFS 641 Advanced Clinical Nutrition

NFS 662 Community Health and Nutrition

NFS 663 The Nutrition of Children

NFS 664 Seminar in Food and Nutrition

NFS 667 Nutrition for Teachers

NFS 673 Child Nutrition Program Management

NFS 675 Production Management in Food Service Systems

NFS 676 Seminar in Institution Management

NFS 693 Readings in Nutrition and Food Systems

NFS 694 Current Topics in Food Service Management

NFS 704 Nutritional Aspects of Proteins

NFS 705 Carbohydrates in Nutrition

NFS 706 Lipids in Nutrition

NFS 707 Minerals in Nutrition
 NFS 708 Vitamins in Nutrition
 NFS 710 Nutrition and Carcinogenesis
 NFS 713 Nutrition Education: Theory, Research, & Practice
 NFS 715 Recent Developments in Applied Nutrition
 NFS 720 Nutrition and Aging
 NFS 730 Digestion, Absorption, and Excretion of Nutrients
 NFS 740 Issues in Food Safety
 NFS 776 Development of Business Opportunities in Food & Nutrition Services
 NFS 777 Service Systems, Planning & Control
 NFS 792 Special Problems in Nutrition
 NFS 797 Independent Research
 NFS 813 Nutritional Metabolism
 NFS 815 Nutrition Support
 NFS 817 Advances in Nutrition & Food Service Management Education
 Supporting Courses from other disciplines will be identified by the student's graduate committee.
 A 3.0 GPA is required for graduation.

School of Human Performance and Recreation

Walter B. Kinney, Director
 Hattiesburg, MS 39406-5142
 (601) 266-5386

Bumgardner, Burchell, Drummond, Evans, Gangstead, Green, Hubble, Maneval, D. Phillips, J. Phillips, Velasquez, Webster,

Unit Description

The School of Human Performance and Recreation (HP&R) offers the Master of Science, the Doctor of Education, and the Doctor of Philosophy degrees. Program development is oriented toward supply and demand in the professional job market and academic disciplinary definition, flexibility of program requirements allows for academic fulfillment of individual career interests.

Degree

The following degree programs are offered within the School of HP&R: Master of Science degree in Human Performance, Master of Science in Recreation, Master of Science in Sport Administration, Doctor of Philosophy in Human Performance, and Doctor of Education in Human Performance.

Emphases within the Human Performance master's degree program include: Exercise Science and Physical Education. The Human Performance Ph.D. degree program includes two distinct emphases: Administration and Teaching, and Exercise Physiology. The Administration and Teaching emphasis (Ph.D./Ed.D.) is accredited as an Advanced NCATE/NASPE educational/administration studies program. The Physical Education emphasis (masters) program is accredited by the National Association of Physical Education and sport/National Council for Accreditation of Teacher Education (NASPE/NCATE).

Interdisciplinary Minor and Graduate Certificate in Gerontology

The School participates in the Interdisciplinary Minor in Gerontology and the Graduate Certificate in Gerontology. Specific requirements and course available for the minor and the certificate can be found under the Interdisciplinary Minor and Graduate Certificate in Gerontology headings in the College of Health and Human Sciences section of this *Bulletin*.

Career Opportunities

The Ph.D. degree program in Human Performance: Administration and Teaching emphasis is designed for those who wish to pursue a further concentration in HP&R related administration or pedagogical research areas.

The Ph.D. degree program in Human Performance: Exercise Physiology is designed to prepare students for advanced teaching and research careers in higher education and/or industry.

The Ed.D. degree program in Human Performance is designed for those interested in pursuing the Administration and Teaching emphasis with specialization in physical education. (NASPE/NCATE).

Program Requirements

The Master of Science degrees require a minimum of 36 semester hours beyond the bachelor's degree (with 18 hours of 600 level or higher). Some emphasis areas may require greater minimum hours beyond the bachelor's degree. The Doctor of Education and Doctor of Philosophy degrees require a minimum of seventy-two (72) semester hours beyond the master's degree, including the dissertation, research tools and program course work. A 3.0 GPA is required for graduation.

Admission Standards

Admission to Human Performance and Recreation degree programs is selective. Members of all under represented groups are strongly encouraged to apply. Regular admission is contingent on having graduated from a college or university with accreditation from appropriate, recognized national-level accrediting agencies. Admission to the program is contingent upon an applicant's academic background, work experience, demonstrated leadership, and communication skills meeting the challenging demands of graduate programs in the fields of sport administration, human performance, or recreation. The School of Human Performance and Recreation adheres to the University policies with regard to admission of graduate students on a "conditional" basis. In evaluating applications for program admission, the HP&R program admission committees utilize the following criteria:

- a. Academic record.** a) a cumulative grade point average (GPA) of 2.75 or higher based on 4 point scale and calculated on the last 60 hours of the applicant's bachelor's degree program; b) bachelor level major/minor in an appropriately related field of study or evidence of foundational and professional coursework in major which are deemed necessary or prerequisite for graduate level course enrollment. Lack of evidence of work completed in foundational areas specific to particular program emphasis requirements will result in either a) prerequisite satisfaction prior to regular admission into specific programs or b) additional degree requirements identified as undergraduate deficiencies to be satisfied during the graduate degree program. Doctoral applicants must have achieved a GPA of 3.50 on all previous graduate work.
- b. Graduate Record Examination.** Applicants are required to submit the test results from the GRE as part of their application. The GMAT will also be acceptable for the M.S. Sport Administration degree only.
- c. Test of English as a Foreign Language (TOEFL).** Applicants whose native language is not English must achieve a TOEFL of 550 or more.
- d. Professional Experience.** While professional level work experience is not required for admission to the masters level program, two to three years of relevant work responsibilities strengthens support for an applicant's admission, particularly at the doctoral level. Doctoral applicants should submit a resume which indicates professional experiences and accomplishments. Doctoral students should arrange for either an in-person or telephone interview with program faculty during the application process.
- e. Letters of recommendation.** Each applicant should request a minimum of three letters of recommendation from persons qualified to assess the applicant's readiness for graduate study and should be sent to the school. Two of the letters should address the applicant's academic preparation and capabilities. At the doctoral level, at least one letter should address professional competence.

Academic Policies

Prior to completion of the 12th semester hour in the HPR graduate program (master's or doctoral), the student must request approval of an advisory committee through the Director's office. Upon approval of committee membership by the Graduate Dean, the student must submit a proposed plan of study for advisory committee approval. This plan should include all degree requirements and specification of planned electives and options within the degree program. The approved plan should be forwarded to the director's office prior to the student's enrollment in his/her 13th graduate hour.

Written and oral comprehensive examinations are required of all graduate students in the master's and doctoral programs. Requests to take these examinations must be made in the Director's office. A 3.0 GPA is required for graduation.

The student's graduate advisory committee shall be responsible for administration and evaluation of the student's comprehensive examination. The chair of the advisory committee shall be responsible for reporting the results of the examination to the Director. At least three HP&R graduate faculty members within the degree emphasis area must comprise master's advisory committees. Doctoral advisory committees must include at least three eligible HP&R graduate faculty within the degree program area emphasized and two additional members.

Students must select either Thesis or Non-thesis option.

Thesis Option:

HPR 698:Thesis 6

OR

Non-Thesis Option:

HPR 696: Practicum..... 6

Elective.....3

Requirements for an Emphasis in Physical Education

Career Opportunities

Students wishing to pursue careers in the instruction of movement and fitness activities in school and non-school settings should pursue this emphasis within the degree program.

Laboratories, Field Experiences, Internships, Practica

HPR 696 is designed to provide students with opportunities for practical applications of relevant theories in professional field settings. In this multi-hour course, each semester hour of credit requires 40 clock hours of practicum. The student plans the practicum project and the instructor of record works with the student to develop a contract. The contract, mutually agreed upon by the student, the cooperating teacher or administrator, and the instructor of record, specifies the methods of accountability.

Special Program Requirements

Students seeking Mississippi AA Teacher Licensure must presently have an A Standard Teacher Licensure in Physical Education and must select this emphasis within the Human Performance degree. An undergraduate degree in Physical Education or a recognized teaching field from an NCATE accredited institution is required in the AA licensure program

Course Requirements (36 hour minimum)

REF 602: Introduction to Educational Statistics3

Laboratories, Field Experiences, Internships, Practica

HPR 692 (Field Problems) and HPR 713 (Special Field Studies in Recreation) provide the students with opportunities for reading and guided study in the application of theory and research to problem solving in the various recreational settings. HPR 696 (Practicum) affords the student the chance to apply academic knowledge in the professional field under the supervision of Recreation professional. The Practicum is performed under the framework of a contract mutually agreed upon by student, faculty supervisor, and agency personnel. Students have experienced a wide variety of field experiences in such areas as campus recreation, commercial sport and water parks, outdoor adventure recreation programs, national and state parks, municipal athletic complexes, community recreation centers, resort management, and guest services.

Special Program Requirements

The student has three options for the completion of the program requirements. The Thesis Option is designed for students who desire to complete an in-depth research study exploring a problem or trend in the recreation industry. The Thesis is particularly helpful to those who desire to continue to work toward advanced graduate degrees. The Internship Option requires a six-hour Practicum of 400 clock hours and a professional paper to study a current issue or trend in the professional field. The Coursework Option requires a professional paper and nine semester hours of elective course work.

Course Requirements (37 hour minimum)

	Hours
REF 602: Introduction to Educational Statistics.....	3
HPR 680: Research Techniques.....	3
HPR 694: Field Problems	1
HPR 710: Problems and Emerging Trends in Recreation.....	H/0(3)JTJ -41.55 -1

The student plans the practicum project and the instructor of record works with the student to develop a contract. The contract, mutually agreed upon by the student, the cooperating teacher or administrative supervisor, and the instructor of record, specifies the methods of accountability.

A strong laboratory research emphasis is additionally integrated into doctoral studies in Exercise Physiology. Several laboratory experiences are designed to enhance the student's knowledge of metabolic testing, electrocardiography, graded exercise testing, exercise prescription, and blood collection/analysis. HPR 701/701L and HPR 805/805L are examples of courses with laboratory content.

Special Program Requirements

1. The student must complete a qualifying examination conducted by the student's graduate advisory committee during the student's first semester. Students should consult their program emphasis coordinator for required examination process.
2. A graduate degree and appropriate bachelors preparation in the physical education, athletic training, or an appropriately related field is required for consideration of admission in the administration and teaching phases and exercise physiology of the doctoral programs.
3. Programs of study, including all course requirements, independent research or field-based projects, and additional requirements specified by the University for proficiency in statistics, computer science and/or foreign language must be approved by each student's advisory committee. The general focus of dissertation research will be initially approved by the student's advisory committee. The specific nature and foci of the research must be approved by the student's dissertation committee.

Research Tool(s)

4. A Research Tool(s) component is required of all doctoral students, and may be fulfilled in a variety of ways dependent upon the background, needs, and experience of the student.

The following guidelines apply:

- a. The Doctor of Education (Ed.D.) is applicable to those in the Administration and Teaching emphasis only. The research component will include nine (9) hours of statistics, and nine (9) hours of higher education/education administration course work. See program for specific course requirements.
 - b. The Doctor of Philosophy degree requires nine (9) hours of statistics and either:
 - 1) six (6) hours of a foreign language or
 - 2) six (6) hours of research electives.
 See program for specific course requirements.
5. Upon the acceptance of the dissertation by the candidate's dissertation committee and at least six weeks prior to graduation, a final oral examination in defense of the candidate's dissertation will be administered by the student's dissertation committee.

Residency

Students must meet the residence requirements specified in this *Bulletin*.

Continuous Enrollment Requirement. Students must meet the requirement specified in the front section of this *Bulletin*.

Ed.D. in Human Performance - Administration and Teaching Emphasis

	Hours
Statistics/Research Component: (See Program for specific course requirements).....	9
Education Concentration: (See Program for specific course requirements).....	9
Dissertation	12

Course Requirements:

Ph.D. in Human Performance - Administration and Teaching Emphasis

Hours

Statistics/Research Component: (See Program for specific course requirements).....9

Foreign Language/Advanced Research Component:

Committee approved advanced research electives.....6

-or-

Approved Foreign Language courses or demonstrated competency
(See University Foreign Language guidelines in this *Bulletin*)6

Dissertation12

Course Requirements:

HPR 677 Legal Aspects of Sport, or EDA 710: School Law3

HPR 680 Research Techniques in Human Performance & Recreation3

HPR 720 Administration of Human Performance Programs3

HPR 725 Facilities Management in Human Performance & Recreation.....3

HPR 742 Program Design in Human Performance.....3

HPR 744 Foundations and Trends in Human Performance & Recreation..... 3

HPR 745 Analysis of Teaching and Supervision in P.E.3

HPR 796 Practicum.....3

HPR 821 Advanced Admin.of Human Performance Programs.....3

HPR 840 Professional Preparation in Human Performance3

HPR 845 Research in Teaching Physical Education.....3

Advisory Committee Approved Electives12

Total: 72

Ph.D. in Human Performance - Exercise Physiology Emphasis

Hours

Statistics/Research Component: (See Program for specific course requirements).....9

Foreign Language/Advanced Research Component:

Committee approved advanced research electives.....6

-or-

Approved Foreign Language courses or demonstrated competency
(See University Foreign Language guidelines in this *Bulletin*)6

Dissertation12

Course Requirements:

CHE 521 Biochemistry I.....3

CHE 522 Biochemistry II3

BSC 550 General Physiology3

HPR 701 Advanced Exercise Physiology I.....3

HPR 701L Advanced Exercise Physiology I Lab.....2

HPR 706 Cardiovascular Physiology.....3

HPR 780 Graduate Seminar2

HPR 791 Research3

HPR 792 Special Problems6

HPR 805 wuC.TD -0.0001.....1/E.e8.....rs3 P137.05 -1te2TD 0...1

The social work profession recognizes the BSW degree as preparing students for entry level generalist social work practice in social service agency settings. The MSW degree prepares students for advanced practice in agency settings and in private practice. The School is accredited by the Council on Social Work Education.

Interdisciplinary Minor in Gerontology

The School of Social Work participates in the Interdisciplinary Minor in Gerontology and the Graduate Certificate in Gerontology. Specific requirements and courses available for the minor and the certificate can be found under the *Interdisciplinary Minor and Graduate Certificate in Gerontology* headings in the College of Health and Human Sciences section of this *Bulletin*.

Offerings for Non-Majors

A number of courses offered within the School of Social Work do not have prerequisites and may be excellent choices for electives by non-major. These courses include

- SWK 606 Social Justice and Social Policy
- SWK 663 Consultation and Supervision
- SWK 692 Special Problems (Grant Writing or Grief and Bereavement or Addictions or Social Development and Social Welfare in Jamaica)

Degree Description

Overview

The MSW program, established in 1974 and the oldest graduate social work program in the state of Mississippi, features a 30-credit-hour advanced generalist concentration that builds upon a 30-credit-hour generalist foundation. Fall 2002 marks the introduction of an Advanced Standing MSW degree program that exempts qualified and admitted applicants from taking foundation courses.

Career Opportunities

Career opportunities for well-prepared master's-level social workers are extensive. Social workers provide social services to more people in Mississippi and across the United States than any other professional group. Social work professionals use a wide variety of empirically based methods to help individuals, families, groups, organizations, and communities solve a broad range of problems. Social work professionals are in demand in many human service arenas, including

- ◆ Home Health and Hospice
- ◆ Child and Family Welfare
- ◆ Mental Health
- ◆ Substance Abuse
- ◆ Family Violence
- ◆ Vocational Rehabilitation
- ◆ Public Welfare
- ◆ Corrections and Court Systems
- ◆ Public Health
- ◆ School Systems
- ◆ Early Childhood
- ◆ Youth Services
- ◆ Armed Forces
- ◆ Gerontology
- ◆ Hospitals
- ◆ Employee Assistance
- ◆ Public Policy

Field Instruction

Quality hands-on field instruction experiences (practica) are vital to graduate social work education. Students in the 60-credit-hour MSW program complete a minimum of 900 hours of field instruction. Students admitted to the advanced Standing program complete a minimum of 450 hour of field instruction. Field placements are available to students in more than 130 social service agencies, located primarily in South Mississippi. While in field placement, students receive direct guidance and supervision from experienced field instructors who hold the MSW degree.

Special Program Requirements

Program Options. The School is offering three MSW program models in Academic Year 2002-2003: A full-time, two-year, 60-credit-hour model is available at the Hattiesburg campus. A part-time, three-year, 60-credit-hour model is available at the Hattiesburg and Gulf Coast campuses. The part-time program is designed primarily for employed practitioners. A full-time, one-year, 30-credit-hour advanced standing model is available at the Hattiesburg campus.

Semester of Admission. Students will only be admitted for fall semesters.

Application Deadline. Applications may be submitted any time.

However, all admission requirements must be completed by April 1 to ensure application consideration.

Admission Criteria

Applicants to the School of Social Work are evaluated and admitted without discrimination on the basis of age, gender, race, religion, color, creed, ethnic or national origin, disability, political or sexual orientation.

All applicants to the MSW program are evaluated and admitted on the basis of the following criteria:

- A. a bachelor's degree from an accredited college or university
- B. a minimum of 12 semester hours of Liberal Arts coursework and a course in Human Biology
- C. the grade point average (GPA) on the last 60 hours of undergraduate course work required by the Graduate School
- D. Graduate Record Examination (GRE) scores
- E. a written personal statement from
- F. a written response to a case situation
- G. three letters of recommendation from persons qualified to assess the applicant's readiness for graduate study

Applications to the advanced standing program are evaluated on the basis of the additional criteria below:

Advanced Standing. Qualified applicants to the MSW program who hold a BSW from an accredited program, or who have completed equivalent foundation curriculum course work at an accredited school of social work, may be exempted from up to 30 credit hours of MSW foundation course work.

Applicants holding the BSW degree and applying for advanced standing must meet the following criteria:

- A. BSW degree from an accredited program conferred within the last five years
- B. minimum GPA of 3.0 in the last 60 hours of baccalaureate education
- C. minimum GPA of 3.5 in the undergraduate social work program overall, with a grade of B or better in all required social work courses
- D. GRE scores
- E. a passing score on a qualifying examination based on foundation curriculum content

Eligibility of an applicant for advanced standing admission based on MSW foundation course work completed at an accredited program other than USM is determined by the following:

- A. assessment of curriculum comparability by the MSW admissions committee
- B. a grade of B or better in all courses considered toward advanced standing
- C. a recommendation of the admissions committee and approval of the director
- D. compliance with other standard criteria for admission to the MSW program
- E. a passing score on a qualifying examination based on foundation curriculum content

Three classroom courses will be taken during the spring semester concurrently with the advanced field practicum. All courses must be taken in accordance with a sequenced curriculum plan (see the model program below).

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model program belo5 TD 0.0636 Tw (Full-tim624 14urriculum .10311.8120 648 0 0 8 55 5d0.are53 qui.16 toeed cuni

College of International and Continuing Education

Graduate Degrees 2002-2003

Department	Major	Degree
Master's Level		
Economic Development and Planning	Economic Development	Master of Science
Geography	Geography	Master of Science
Doctoral Level		
Economic Development and Planning	International Development	Doctor of Philosophy

College of International and Continuing Education

Tim W. Hudson, Dean
Mark Miller, Associate Dean
 Box 10047
 Hattiesburg, MS 39406-0047
 (601) 266-4344

In February 1991, the Center for International Education and the Division of Lifelong Learning were combined to form the College of International and Continuing Education. In September 1998, the academic Department of Geography was moved from Liberal Arts into the College, and a Department of Economic Development and Planning was established to house a MS program in Economic Development and a Ph.D. program in International Development. The College is an administrative entity under the Office of the Provost, and operationally divided into the two academic areas of economic development and planning and geography. The Center for International Education and the Department of Continuing Education and Distributed Learning are also located in the college.

The mission of the College of International and Continuing Education is fourfold. First, to prepare individuals for the opportunity of entering the work place in the professional and applied academic fields of economic development, international development, and geography. Second, to serve as liaison between the University's academic programs and the community at large through continuing education. Third, to coordinate international admissions and student services, and administer the University's extensive Study Abroad program. And fourth, to provide intensive English instruction for international students.

Department of Economic Development and Planning

David R. Kolzow, Chair
 Hattiesburg, MS 39406-5051
 (601) 266-6519
 FAX (601) 266-6219
Butler, Hudson, Kolzow, Miller, Swager

The Department of Economic Development offers graduate work leading to a Master of Science in Economic Development and Doctor of Philosophy in International Development.

Master's Program

The goal of the Economic Development program is to assist students in acquiring professional competency in the concepts, skills, working tools, and creative approaches essential to those involved in the field of economic development, whether at the community, state, regional, national, or international level.

Admission Requirements:

1. Have a 3.0 (4.0 scale) grade point average over the last two years of the student's undergraduate studies.
2. Submission of GRE scores. The Graduate Management Admissions Test (GMAT) may be submitted in place of the GRE. Students whose native language is not English must achieve a TOEFL score of 560 or more.
3. Provide three letters of recommendation from persons qualified to assess the applicant's readiness for graduate study. The letters should be sent to the department.
4. In exceptional cases, students may be admitted conditionally. Such students must earn a 3.0 on the first nine (9) semester hours of course work numbered 500 or above or on all course work taken while completing this nine (9) hour requirement in order to qualify for regular admission.
5. Students may be required to take some pre-requisite courses in geography and/or business.
6. Statement of purpose and goals; portfolio and resume.

Curriculum Requirements:

Curriculum Requirements

1. A minimum of thirty-six (36) semester hours in graduate level geography courses with at least eighteen (18) hours of work in courses at the 600-level. With the approval of the major professor, the student has an option of taking (outside the department) up to twelve (12) semester hours of cognate courses within the minimum hourly requirements. Courses prefixed with GHY, ED, or PLG may be used in any combination to satisfy the minimum required hours.
2. GHY 610 and 680. These courses are required of all students.
3. Demonstrated proficiency in cartography and statistical/quantitative methods. Proficiency is generally established (on an individual basis) by evidence of satisfactory completion of course work in these areas sometime in a student's academic career, at either the graduate or undergraduate level.
4. Students have the option of preparing a thesis or a paper of professional quality. The thesis will confer six (6) semester hours credit to be counted as part of the total minimum hourly requirement for the degree. The paper, which will normally be the end product of work begun in a seminar, will confer no credit for six (6) semester hours.

Office of International Programs

Susan Steen, Director
Box 10047
Hattiesburg, MS 39406-0047
U.S.A.
(601) 266-4344 or 266-5147
FAX (601) 266-5699
e-mail: oip@usm.edu

The Office of International Programs administers a variety of programs providing USM students both long-term and short-term opportunities to study abroad for academic credit. Short-term programs offering regular USM academic credit include the following:

The British Studies Program, a summer term in London in which USM functions as the academic and logistical linchpin for a consortium comprised of The University of Memphis, Hinds Community College, Midwestern State University, Texas A&M University–Commerce, The University of Louisiana–Monroe, Southeastern Louisiana University, Mississippi College, Henderson State University, and Methodist College.

The Austrian Studies Program in Vienna, Austria
The Australian Studies Program, Australia and New Zealand
The Caribbean Studies Program in Jamaica
The Contemporary French Culture and History Program
The French Photography Program
The Cuban Studies Program in Havana and Varadero, Cuba
The Irish Studies Program
The Mexican Studies Program
The Scotland Theatre Experience
The Spanish Language Program in Cuernavaca, Mexico
The Spanish Language Program in Madrid and Nerja, Spain

Spain: Business and Language Program

Other academic study abroad programs coordinated by this office are

Semester- and year-abroad exchanges:

Ecole Supérieure du Commerce Extérieur, France
Exeter University, England
Universite de Perpignan, France
Keele University, Stoke-on-Trent, England
Macquarie University, Sydney, Australia
University of Alcalá de Henares, Madrid, Spain
University of Bonn, Germany
University of Victoria, Canada
University of Wales, Swansea
University of the Yucatán, Merida, Mexico

A student practice teaching program in England for education majors

A summer internship program in Britain coordinated by the University of Wales, Swansea

Office of International Student Affairs

Barbara Whitt Jackson, Director

Box 5151

Hattiesburg, MS 39406-5151

U.S.A.

(601) 266-4841

FAX (601) 266-5839

website: www.isa.usm.edu

e-mail: isa@usm.edu

The Office of International Student Affairs (ISA) coordinates all facets of international admissions and student services. The ISA provides counseling on immigration regulations, personal matters, culture shock and adjustment, as well as some academic counseling in conjunction with the various departments. The Office processes all international applications, evaluates foreign academic credentials and issues the appropriate immigration documents for the non-immigrant foreign student. Multi-cultural programming for the international students and the community is also coordinated by the ISA.

The ISA Office disseminates USM information to foreign schools, U.S. embassies and consulates abroad, and non-profit international organizations such as the Institute for International Education.

This office also provides information to and immigration documents for research scholars invited by various USM departments to participate in limited research opportunities.

For further information, write to the Director of the Office of International Student Affairs at the above address.

The University enrolls graduate students from outside the United States. Assistance in academic and non-academic matters before and during the international student's stay at the University is provided by the Office of International Student Affairs.

English Language Proficiency: Applicants whose native language is other than English must present the results of the Test of English as a Foreign Language (TOEFL). Exceptions may be made if the applicant has earned a degree at an accredited US college or university. TOEFL

Continuing Education and Distributed Learning

Sue Pace, Director

Box 5055

Hattiesburg, MS 39406-5055

(601) 266-4210

e-mail: sue.pace@usm.edu

Continuing Education functions to complement The University of Southern Mississippi's overall mission of teaching, research and service. By serving as liaison between the University and the community at large, the Department extends access to the educational programs of the institution through multiple delivery systems, to individuals at various stages of their lives and careers for intellectual, professional, social and cultural advancement.

Continuing Education acts in partnership with the academic colleges to link faculty expertise and resources with the needs of the University's clients and constituencies. In this role, Continuing Education serves as an agent for opportunity, innovation and quality.

The Department of Continuing Education and Distributed Learning accomplishes its mission by distributing educational opportunities in settings and formats that broaden the University's traditional modes of delivery.

Credit and Distributed Education The Office of Credit Programming and Distributed Education has the responsibility of coordinating and administering all credit intensive, weekend, intersession and extension courses. Included, too, are courses available on the Internet and select courses using compressed interactive video. Courses offered through this office are the result of collaborative relationships with the University's academic departments. In addition, academic courses may be arranged in a format and location to meet the specific needs of governmental, business, industrial and educational groups.

All students taking graduate courses must submit an application to the Graduate School. Application forms are available in the Graduate School, McCain Library, room 205, and on the web: www.usm.edu/~gradsch.

Independent Study: Through independent study (correspondence), a student may earn up to thirty-two hours of undergraduate university credit or one complete unit of high school credit. Independent study allows the student to earn credit through the advantages of home study. These courses are particularly suited to the needs of the student who is unable to attend the University on a regular schedule.



Department/School	Major	Degree
Speech and Hearing Sciences	Speech and Hearing Sciences	Master of Arts
	Audiology Emphasis	Master of Science
	Speech-Language Pathology Emphasis	
	Education of the Deaf Emphasis	
Speech Communication	Communication	Master of Arts
	Speech Communication Emphasis	Master of Science
Specialist's Level		
School of Library and Information Science	Library and Information Science	Specialist in Library and Information Science
Doctoral Level		
	Criminal Justice	

The Department of Anthropology and Sociology also offers a graduate minor in Sociology for students in the master's and doctor's degree programs of other departments.

Dual Masters' Degrees Program in Anthropology and History

Description of Program:

This program, leading to Master's degrees in anthropology and history, emphasizes applied aspects of cultural and heritage studies to prepare graduates to work in public settings such as museums, archives, historic preservation, oral history programs, or in government or private sector heritage resource management.

Student must apply and be accepted by both Master's programs. Students pursue the two degrees

Dual Masters' Degrees Program in Anthropology and Library Science

General Provisions:

Students must apply and be accepted to both Master's programs. Students pursue the two degrees simultaneously and neither degree is awarded until the entire program is completed. Students who withdraw from the dual Master's program in favor of one of the two disciplines will be bound by the degree requirements of that discipline. In the event that either one of the two programs should change their M.A. requirements, incoming students will be held to the new requirement(s) and currently enrolled students will be "grandfathered." Students must gain approval for their thesis topics from both programs. The successful thesis must also be approved by both programs. This means that students must have a thesis committee on which faculty from both programs serve.

A. Coursework:

1. Required: A total of 60 hours (30 hours each) in LIS and ANT (not including Graduate School mandated Foreign Language/Quantitative research requirements). Students must take 18 hours at the 600 level in each program.

a. Library Science (24 hours)

LIS 501 Introduction to Reference Resources and Services
LIS 505 Cataloging and Classification
LIS 511 Development of Library Collections
LIS 605 Library Management
LIS 636 The Library in American Society
LIS 651 Introduction to Information Science
LIS 666 Social Science Resources
LIS 691 Thesis (3 credits)

b. Anthropology (12-15 hours)

(a minimum of 3 of the following 4 seminars)
Students must take the seminar in their subfield of specialization.
ANT 621 Seminar in Ethnology
ANT 631 Seminar in Archaeology
ANT 641 Seminar in Physical Anthropology
ANT 651 Seminar in Linguistic Anthropology
ANT 698 Thesis (3 hours)

2. Electives

a. Library Science (6 hours)

LIS 533 History of the Book
LIS 646 Special Collections and Archives
LIS 647 Introduction to Archival Administration
LIS 679 Preservation of Documentary Materials

b. Anthropology (15-18 hours)

*No more than 6 hours of field methods courses (ANT 516 and 536); no more than 9 hours of independent study (ANT 692/792)

**Number of Anthropology hours must total 30.*

3. Proficiency in one foreign language (see graduate

Department of Criminal Justice

taken at the University of Southern Mississippi for either master's or doctorate. Approval of the minor and the courses is at the discretion of the major adviser.

Department of English

Michael N. Salda, Chair
Hattiesburg, MS 39406-5037
(601) 266-4319

Abbenyi, Ashton-Jones, Ball, Barron, F. Barthelme, S. Barthelme, Berry, Boyd, Ezell*, Harris, Harvey, Hauer, Herzinger, Kolin, Kuskin, Langstraat, Lares, Lindquist, Malone, Mays, Polk, Richardson, Robison, Ryan, Salda, Sciolino, Stringer, Villeponteaux, Wallace, K. Watson, W. Watson, Weinauer, Wheeler*

**Associate Graduate Faculty*

The Department of English offers programs leading to the Doctor of Philosophy and Master of Arts degrees. Within the framework of these degree programs, students may specialize in English or American Literature, in Creative Writing, or in Composition/Rhetoric.

General academic and admission requirements for all graduate degrees are set forth in the front section of this *Bulletin* and general departmental requirements are listed below. Specific requirements for the various specializations (e.g., Creative Writing, etc.) are described in information sheets available from the Department of English, Box 5037. Students interested in applying for assistantships should contact the Department of English.

The Master of Arts

3. Research Tool(s). Proficiency in two foreign languages or one foreign language and twelve graduate hours in an approved area other than English. Details are available from the English department.
4. A written comprehensive examination.
5. Presentation and oral defense of dissertation.
6. Residency. Students must meet the residency requirements specified in this *Bulletin*.
7. Continuous Enrollment Requirements.

*Precise details of the doctoral program and admission procedures are available from the Department of English.

Department of Foreign Languages and Literatures

Rafael Sánchez-Alonso, Chair
Hattiesburg, MS 39406-5038
(601) 266-4964

*Anglin**, *Barrau**, *Bransdorfer**, *Brooks**, *Broome**, *Burnett*, *Clark*, *Dassier*, *Dow**, *Escobar*, *Esparragoza-Scott**, *Fonder-Solano*, *Fountain**, *Fuhriman**, *Gillespie*, *Graham**, *Gynan**, *Heusinkveld**, *Mathews**, *Medina**, *Odom*, *Powell*, *Rueda-García**, *Sánchez**, *Sánchez-Alonso*, *Stokes**, *Unnold*, *Valencia**

*Associate Graduate Faculty

The Department of Foreign Languages and Literatures offers a program leading to the Master of Arts in the Teaching of Languages (MATL) degree. Within the MATL, students usually concentrate on one of three emphasis areas: French, Spanish, or Teaching English to Speakers of Other Languages (TESOL). The focus of the MATL is on developing and enhancing the knowledge and skills in language, language acquisition, and language instruction that are essential for both effective teaching and successful learning. The MATL is offered year-round, with the option of completing the program through **Summer Only** registration. For more information on the MATL, please consult <http://www.matl.usm.edu>.

The MATL, with extensions in France, Mexico, and Spain, brings together foreign language teachers and teachers-to-be from all parts of the United States and from several countries to share their experiences and significantly enhance their professional and academic training in an enriching, multicultural environment. More than 30 professors from The University of Southern Mississippi and from other universities in the USA and abroad contribute their expertise through interactive, application-oriented instruction in the MATL program.

MATL Philosophy

The Master of Arts in the Teaching of Languages is a unique program of professional preparation specifically designed to meet the needs of teachers from elementary and secondary education through the junior and community college levels. The MATL is not a literature degree; instead our purpose is to provide students with courses that meet their needs as foreign language teachers. Designed to integrate theory and practice, the MATL program focuses on the enhancement of language teaching skills and knowledge about language and language learning.

The MATL Program, with the addition of REF 601 and 607, meets the NCATE requirements for AA licensure for those holding a current Mississippi teaching license in French or Spanish (The MATL is not designed for initial teacher certification or licensure). Applicants from other states should check with their respective state departments of education for specific requirements concerning certification or licensure. The department also offers a program of study for the ESL Endorsement to a current Mississippi teaching license in any area. Please contact the coordinator of the MATL Program for details.

Admission Requirements

Members of all underrepresented groups are strongly encouraged to apply for admission to the MATL program. The following materials are reviewed in the admission process:

1. Official scores for the Graduate Record Examination (GRE) or the Miller Analogies Test (MAT).
2. Official transcripts for all previous undergraduate and graduate studies. Successful applicants in the past have had undergraduate grade point averages over the last sixty hours of undergraduate study that range from 2.75 to 4.0 on a 4.0 scale.

3. For international students whose native language is not English, official scores on the Test of English as a Foreign Language (TOEFL). Successful applicants in the past have had a total TOEFL score of 220 or above, with no section score lower than 21.
4. Applicants to the Spanish and French emphases of the MATL should have an undergraduate degree in the language or present evidence of equivalent language experience.
5. At least two letters of recommendation from professionals in the field qualified to assess the readiness of the applicant for graduate work. The letters should be sent to the department.

See the “Academic Requirements” section of the Graduate **Bulletin** for other general requirements. Conditional admission may be considered for applicants who do not meet all the criteria but show promise for success in graduate studies. The requirements for a change to regular admission will be stated at the time of acceptance into the program.

General Program Academic Requirements

All students are expected to complete the following requirements:

1. A total of thirty-three (33) hours of graduate level courses, including eighteen (18) hours in courses numbered 600 or above. At least six (6) credit hours of emphasis course work must be completed on site in Hattiesburg, or at USM-directed sessions in Mexico, Spain, or France. A 3.0 GPA is required for graduation.
2. FL 561, FL 663, FL 664, and FL 665
3. A practicum tailored to the teaching experience of each student (FL 694).
4. For students in the TESOL emphasis, a minimum of 9 hours of courses with a TSL prefix, including the required TSL 612.
5. For students in the Spanish or French emphasis areas, a minimum of 15 hours of graduate-level courses in the specific language.
6. A language proficiency requirement, as determined by departmental policy, within the specific emphasis area. In addition, students in the TESOL emphasis whose first language is English must also meet a foreign language requirement by completing nine (9) hours of undergraduate conversational foreign language study (i.e., through USM 201 level) or equivalent with an average of “B” or better.
7. Comprehensive examination which consists of a successful defense of a portfolio.
8. Continuous Enrollment Requirement.

All students are required to prepare an individualized Program Plan with an adviser.

Department of History

Charles C. Bolton, Chair
 Hattiesburg, MS 39406-5047
 (601) 266-4333

Austin, Barnett, Bolton, Bond, Chambers, Clark, Drummond, Guice, Harper, Jensen, Justice, Kyriakoudes, Mackaman, McCarty*, McMillen*, Nelson, Nuwer, O’Brien, O’Neil, Polushin, Scarborough, Smith, Spruill, Wiest*

**Associate Graduate Faculty*

The Department of History participates in programs leading to the degrees of Master of Arts, Master of Science, and Doctor of Philosophy.

General Regulations

The student is held responsible for following all graduate regulations. The student’s major professor will help in any way possible, but the student is expected to know what is required and to take full responsibility. General academic and admission requirements for all graduate degrees are set forth in another section of this **Bulletin**, and general departmental requirements are listed below.

Master’s Programs

Admission Requirements:

For admission to the master’s program, the department requires a 3.0 minimum grade point average on the last two years of undergraduate study, GRE general test scores, transcripts, three letters of

recommendation, a statement of career objectives (250 to 500 words), and an example of written work (up to 20 pages). Letters of recommendation should be from persons qualified to assess the applicant's readiness for graduate study and should be sent to the department. Normally, applicants will have taken a variety of upper-division history courses.

Students with perceived academic deficiencies may be admitted conditionally. To remove the conditional status, students must meet Graduate School requirements, which are described in the Admission Requirements section of the Bulletin, and they must satisfy all additional requirements stipulated by the Chair and Director of Graduate Studies.

In addition to the Graduate School criteria for regular admission, students whose native language is not English must score at least 550 on the TOEFL Examination. The department presumes that

7. Continuous Enrollment Requirement.

Emphasis Areas

The Department of History offers the following areas of emphasis for the Master of Arts and Master of Science degrees:

- I. United States History
- II. European History
- III. Latin American History
- IV. Asian History

On the comprehensive examination, all Master's students must demonstrate proficiency in one primary area of emphasis and one secondary area. Two members of the examining committee will represent the primary area, and one member will represent the secondary area. United States History, European History, and Latin American History may be selected as either primary or secondary areas. Asian History may be selected only as a secondary area. The nature and scope of the material to be included from each area will be determined by the graduate committee.

The M.A. student should successfully complete fifteen (15) hours of course work in the primary area and six (6) hours in the secondary area in addition to History 710 and the six hours of thesis work.

The M.A. thesis must be written in the primary emphasis area. A student may write a thesis in Asian History if permission to do so is granted by the department.

The M.S. student should take eighteen (18) hours of course work in the primary area and nine (9) hours in the secondary area in addition to History 710.

Students planning to pursue a doctoral degree must write a thesis and should enroll in the M.A. program.

Master of Arts or Master of Science, International Studies Emphasis

This program is intended for graduate students in history with an international studies orientation. Students must complete the following requirements:

1. Successful completion of thirty-six (36) semester hours with eighteen (18) hours in history and eighteen (18) in political science (18 hours must be 600 level or higher), as follows:
 - a. Twelve (12) hours of core courses: HIS 710, HIS 720, HIS 725, HIS 726, HIS 781, or HIS 782; PS 730; PS 731; and PS 750.
 - b. The remainder of course work selected from the following: HIS 711 or 712, HIS 732, HIS 733, HIS 734, HIS 736, HIS 740, HIS 745, HIS 772, HIS 774, PS 504, PS 508, PS 521, PS 531, PS 532, PS 535, PS 550, PS 551, PS 552, PS 556, PS 558, PS 585, PS 721, and PS 750.
 - c. With the approval of the Director of Graduate Studies, students may earn up to nine (9) hours in relevant 500-level history courses and may earn six (6) hours through study abroad programs.
2. Students seeking a Master of Arts degree must write and defend a thesis, which will confer six (6) hours of credit within the minimum hourly requirements.
3. A reading knowledge of one foreign language.
4. The student's graduate committee will consist of two members from the history department and one member from the political science department.
5. During the spring semester of the second year, the student will take a comprehensive written examination.
6. A 3.0 GPA is required for graduation.
7. Continuous Enrollment Requirement.

Master of Arts or Master of Science, Military History Emphasis

This program is intended for graduate students in history with a military history orientation. Students must complete the following requirements:

1. Successful completion of thirty (30) semester hours (18 hours of 600 level or higher) as follows:
 - a. Nine (9) hours of core courses: HIS 710, HIS 711 or HIS 712; HIS 720; HIS 725 and/or HIS 726; or HIS 782.
 - b. The remainder of course work selected from the following: HIS 510, HIS 511, HIS 512,

both disciplines and given after satisfactory completion of the course work.

12. A 3.0 GPA is required for graduation.

13. Continuous Enrollment Requirement.

Students should refer to the Anthropology section of this *Bulletin* for further details.

Doctoral Program

Admission Requirements

For admission to the doctoral program, the department requires a minimum grade point average of 3.5 on all graduate work, GRE general test scores, transcripts, three letters of recommendation, a



should also be concerned with fostering those attitudes and understandings which will help students develop an appreciation of the changing role of the library in society. The library profession will flourish only as students are prepared to participate intelligently in the process of relating library services to the larger social and cultural needs of contemporary society.

Accreditation

The Master of Library and Information Science degree is accredited by the American Library Association. The School is also an institutional member of the American Library Association and the Association for Library and Information Science Education. The School is active in the Special Libraries Association, the Southeastern Library Association, the Mississippi Library Association, and the Society of Mississippi Archivists.

Academic Mission of the Master's Program in Library and Information Science

The mission of the program of the School of Library and Information Science is to prepare qualified individuals for professional roles in libraries and other information environments. Preparation of such individuals involves two fundamental elements; (1) providing candidates with the appropriate perspective and (2) preparing candidates with the necessary intellectual and technical abilities to serve in the field of library and information science. Construing librarianship broadly to include work of information professionals in all types of settings, the program of Library and Information Science has identified eight specific goals for the M.L.I.S. program:

Goals and Objectives of the Graduate Program of Education in Library and Information Science

Goal I.

To foster and promote among master's degree candidates a commitment to freedom and an awareness that freedom is a necessary condition for the proper operation of libraries and other information centers.

As a result of this program candidates will:

- A. Communicate to others the concepts of the United States Constitution as it relates to freedom of speech, press and assembly, and discuss intelligently the various articles of the Library Bill of Rights.
- B. Identify situations in which the attempt to curtail people's freedom to read and view is being promoted directly or indirectly, by patrons or by professionals, within the context of libraries and information centers.
- C. Deal effectively and fairly with persons who seek to censor materials in libraries and information

- C. Select from various possibilities materials and services that are most appropriate in a particular community being served by a library or information center, being conscious of the people's right to know.
- D. Demonstrate the role of the library in the information process.
- E. Demonstrate the librarian's role as mediator in the communication process.
- F. Demonstrate a facility for appropriate oral and written communication.

Goal III.

To create an environment for master's degree candidates to know, understand, and appreciate the evolution of libraries, the library profession, and the various technologies of information-related technologies in the context of social and cultural diversities.

As a result to this program the candidates will:

- A. Develop an historical perspective and a sense of tradition in respect to their chosen profession, and have some knowledge of the history of the various information technologies.
- B. Become aware of the role that libraries and other information centers, as well as books and other communication media, have played in the development of human culture.
- C. Be conscious of new and contemporary developments in information transfer, and especially the ways in which these extend and/or supplement and supplant the more traditional means of human communication.
- D. Relate libraries and information centers creatively and meaningfully to salient trends in changing social environments so that those libraries and information centers may contribute to the positive enrichment and development of the human societies they serve.

Goal IV.

To enable master's degree candidates to perform their duties and responsibilities in the work place skillfully, effectively, and professionally with a diverse public.

As a result of this program candidates will:

- A. Apply methods commonly associated with scientific social research and analysis, and draw appropriate inferences from the results of such studies to identify the salient characteristics of the communities served by the library or other information center.
- B. Select from available materials and services those that are appropriate for a particular community within the limits of financial capability and the goals of the institution.
- C. Organize materials and services so that they may be readily accessible to the public served by a library or information center.

Goal V.

To introduce master's degree candidates to the theories and practices of modern management as it is accomplished in libraries and information centers.

As a result of this program candidates will:

- A. Evaluate, implement, and discuss the elements of management theory, including goal setting, collection management, program planning, implementation, and evaluation.
- B. Demonstrate an understanding of the processes and applications of organizing, directing and controlling systems as these are performed in libraries and information centers.
- C. Demonstrate knowledge and application of the planning processes involved in budgeting and fiscal management, including being able to identify necessary components for budget design, budgetary control and evaluation.
- D. Recognize and be able to respond to issues of personnel management including staffing processes, disciplinary concerns and continuing education.
- E. Evaluate the effects of technology on management.

Goal VI.

To emphasize to master's degree candidates the value of organizations related to librarianship and

information work, to encourage candidates to participate in professional associations, and to promote later participation in continuing education activities.

As a result of this program candidates will:

- A. Participate in professional organizations concerned with library and information work.
- B. Explain how participation in professional organizations and publications advance the principles of librarianship.
- C. Participate in continuing education and other professional development activities.

Goal VII.

To introduce master's degree candidates to theoretical and applied professional research in all areas of librarianship; to develop cognizance of the role of scientific research in building a theoretical and practical knowledge base; and to provide opportunities for each student to conduct original research.

As a result of this program candidates will:

- A. Explain the role of scientific research and of a theoretical knowledge base in librarianship.
- B. Evaluate reports of theoretical and applied research.
- C. Identify research problems/situations and appropriate methodologies and data gathering techniques.
- D. Execute an original research activity as outlined in the research proposal.

Goal VIII.

To prepare master's degree candidates with opportunities to develop intellectual and technological skills appropriate to the current and future professional requirements and to develop an awareness of the effects of technology on all library and information centers operations.

As a result of this program candidates will:

- A. Utilize online databases, catalogs, search and use the Internet as well as use standard bibliographic vendors.
- B. Employ various fundamental software programs in different computer system platforms.
- C. Articulate and demonstrate the mechanisms of information processing, collection, organization and access.
- E. Demonstrate theoretical and practical knowledge relevant to planning, developing, implementing evaluating, and managing automation technology in library and information settings.
- D. Evaluate the impact of the information age on society and its institutions, examine the issues, role and implications of computer technology in the library and information settings, discuss information access, value and services.

Admission Requirements

A graduate student in Library and Information Science must meet the general requirements for admission to the University graduate program as outlined elsewhere in this *Bulletin*. Application forms for admission to the graduate program must be submitted to the Graduate Admissions Office of the University.

Applications for admission are evaluated by a combination of the following criteria:

Undergraduate Record - Recently, students qualifying for regular admission to the master's program have had a 3.00 (figured on an A equals 4.00 scale) grade point average for the last two years of undergraduate study. For conditional admission, the School of Library and Information Science adheres to the policies of the Graduate School as stated in this *Bulletin*.

Graduate Record Examination - The student must submit GRE scores.

Letters of Recommendation - Three letters of recommendation by professionals in the field assessing the readiness of the applicant for graduate work must be submitted to the School of Library and Information Science.

Personal Questionnaire - The school requires the submission of a personal questionnaire which includes questions that require essay responses.

Personal Interviews - Personal interviews with applicants will be conducted whenever possible.

Forms for the letters of recommendation and the personal questionnaire may be obtained by request from the School of Library and Information Science and are available on the School's Web site.

Master of Library and Information Science Degree Program

Candidates for the Master of Library and Information Science (M.L.I.S.) degree must earn a minimum of thirty-nine (39) semester hours of credit with a 3.00 cumulative grade point average. Eighteen (18) of these hours must be at the 600 level of courses. As many as six (6) hours may be elected from the offerings of other departments within the University. A total of no more than six (6) semester hours of transfer work may be applied toward the degree. A total of no more than nine (9) semester hours of combined transfer work and non-degree work may be applied toward the degree. Students must pass a comprehensive exam by completing a master's project (LIS 695).

The program of study for students will be individualized, taking into consideration previous academic backgrounds, experience, and career objectives. All programs of study must be planned with the counsel of a faculty adviser and approved by the Director of the School of Library and Information Science.

I. M.L.I.S. Degree Requirements

Required courses (21 hours: LIS 501, 505, 511, 605, 636, 651, 668)

Electives (15 hours)

Master's project (3 hours: LIS 695)

If near equivalences of any of the above required courses were taken on either the undergraduate or graduate level at an accredited institution with a grade of B or above, other electives may be substituted. Courses at the 500 level may also be waived by special examination or by the Director of the School.

II. Course Requirements for School Library-Media Specialist Licensure at the Master's Level

Students who plan to use the master's degree in Library and Information Science for Class AA licensure should complete the following courses in addition to the required courses and master's project listed above:

LIS 508, 516, 517, 518, 525, 591

The following professional education courses must be completed to satisfy licensure requirements in the State of Mississippi: REF 601 and REF 607 (LIS 668 may be taken in lieu of REF 601).

Students seeking licensure at the master's level are also advised that they will be required to complete more than 39 hours to meet all degree and licensure requirements, especially if they do not hold Class A Licensure in Library and Information Science. Students should see their adviser or the Director of the School of Library and Information Science for further information concerning licensure requirements.

III. Dual Master's Degree in History and Library and Information Science

The History Department and the School of Library and Information Science offer a dual master's degree program leading to the Master of Arts in History and the Master of Library and Information Science degrees. Students must be admitted separately to each program. The total number of hours required for both programs is 60 - 30 for the M.L.I.S. and 30 for the M.A. in History.

Students in the combined program must complete the following requirements:

1. Thirty (30) hours in history (18 hours at the 600 level)
2. Thirty (30) hours in library and information science (18 hours at the 600 level)

The following are required courses:

LIS 501, 505, 511, 605, and 636;

LIS 651 or LIS 647;

LIS 631 or 638 or 646 or 649 or 666;

LIS electives (6 hours); and

LIS 691 which will confer three (3) of the 6 hour thesis requirement

3. A reading knowledge of one foreign language
4. A thesis that confers six (6) hours of the minimum hourly requirement for the history component
5. Continuous Enrollment Requirement

A comprehensive oral examination, administered by a three-member committee representing both disciplines, is given after satisfactory completion of the course work and thesis.

The history requirements in this program are covered in the Department of History section of this *Bulletin*.

IV. Dual Master's Degree in Anthropology and Library and Information Science

The Anthropology Department and the School of Library and Information Science offer a dual master's degree program leading to the Master of Arts in Anthropology and the Master of Library and Information Science degrees. Students must be admitted separately to each program. The total number of hours required for both programs is 60 - 30 for the M.L.I.S. and 30 for the M.A. in Anthropology.

Students in the combined program must complete the following requirements:

1. Thirty (30) hours in anthropology (18 hours at the 600 level)
2. Thirty (30) hours in library and information science (18 hours at the 600 level) The following are required courses: LIS 501, 505, 511, 605, 636, 651, 666, and 691 (3 hours)
3. Proficiency in one foreign language (see this Bulletin) or two semesters (6 hours) of graduate-level quantitative research methods
4. A comprehensive exam in anthropology
5. A thesis
- 6/ Continuous Enrollment Requirement

The anthropology requirements in this program are covered in the Department of Anthropology section of this *Bulletin*.

Specialist in Library and Information Science Degree Program

The Specialist in Library and Information Science (S.L.I.S.) advanced degree will provide the opportunity for practitioners to meet specific requirements in their professional areas, earn AAA school library media licensure, participate in continuing education activities, and specialize in particular areas of librarianship. Library and Information Science courses will include information technologies in a variety of information environments, advanced management seminars, and advanced research design. Specific courses of study are planned to meet the needs of individual students in consultation with faculty advisers and the director. All students in the S.L.I.S. program are required to complete a three-hour specialist field problem (LIS 794) or specialist thesis (LIS 798). All students must pass an oral defense of their field problem or thesis before a committee. Students completing the specialist thesis (LIS 798) must present a thesis that conforms to the policies, format, and conventions described in the Graduate School's *Student Manual for Preparing Theses and Dissertations*. Copies of the manual may be obtained in the Graduate School or from the Graduate School Web site.

Summer term and transfer credit information that applies to the master's program also applies to the specialist's program.

S.L.I.S. Admission Requirements

Applicants must meet the general requirements for admission to the University's specialist's degree programs as outlined in this *Bulletin*. Eligibility requirements for applicants to the specialist's degree program in Library and Information Science are as follows:

Applicant must have a master's degree in Library and Information Science, a master's degree in Library and Information Science with an AA license, or a Master of Education degree with an AA license (for students with a Master of Education degree with an AA license, additional course work is required).

substitute twelve (12) hours of education courses for the recommended LIS courses (consult adviser)

Three (3) hours of a specialist field project (LIS 794) or thesis (LIS 798)

2. Oral defense of the specialist field project or thesis to a committee
3. Residency. Students must meet the residency requirements specified in this *Bulletin*.
4. Continuous Enrollment Requirement

School of Mass Communication and Journalism

David H. Goff, Director
Hattiesburg, MS 39406-5121
(601) 266-4258

:Mass Communication and Journalism: Brown, Davies, Gentile, D. Goff, Hall, Hague, Kaul, Mayo, Wiggins, Yssel.

Gene Wiggins, Graduate Coordinator
Hattiesburg, MS 39406-5158
(601) 266-5650

The School of Mass Communication and Journalism provides graduate curricula in Mass Communication as part of a graduate program in Communication that is shared with the Department of Speech Communication. Master of Arts, Master of Science, and Doctor of Philosophy degrees in Communication with an emphasis in Mass Communication are offered. In addition, a Master of Science in Public Relations degree is available.

Master's degree students emphasizing mass communication or majoring in public relations are required to have prior academic training or professional experience in the mass media or public relations practice. Those not meeting the requirement can be admitted into the program but will be required to correct the deficiency without receiving graduate credit for the additional work. For doctoral students the degree program is structured in consultation with a student's doctoral committee. Students entering doctoral study in mass communication from other disciplines may be required to take additional course work at lower levels to make up for background deficiencies.

Deadlines for admission are as follows:

All admission materials for doctoral students seeking to enroll in spring, summer, and fall terms must be received by November 1, March 1, and July 1, respectively. Students seeking assistantships for the fall semester are strongly encouraged to apply prior to the March 1 deadline.

Admission deadlines for master's students are the same as those published by The Graduate School.

Admission requirements are the same as those of the University, with the following additions:

Applicants for the Master's Program

Regular Admission:

Undergraduate Record—A cumulative GPA on the last 60 hours from all institutions of our applicants has ranged from 3.0 to 4.0. A 3.0 GPA is required; 3.0 GPA major is also required.

Graduate Record Examination—Scores from the GRE must be submitted.

Test of English as a Foreign Language—Applicants whose native language is not English must attain a TOEFL score of 550.

Letters of Recommendation—Three current letters of recommendation are required and should address the applicant's readiness for graduate study. Ordinarily such letters should be requested by applicants from faculty in their major field of study who are well-acquainted with their academic abilities. For master's level admission, it is acceptable for one of the letters to be submitted by a

media or public relations professional who is familiar with the applicant's work and his or her suitability for graduate study.

Applicants with professional experience in media-related fields are encouraged to submit a resume of their professional experience and accomplishments.

Conditional Admission:

Undergraduate Record—The cumulative GPA of the last 60 hours from all institutions is usually 2.75 or better.

Graduate Record Examination—GRE scores must be submitted.

Test of English as a Foreign Language—Applicants whose native language is not English must attain a TOEFL score of 550.

Letters of Recommendation—Three current letters of recommendation are required and should address the applicant's readiness for graduate study. Ordinarily such letters should be requested by applicants from faculty in their major field of study who are well-acquainted with their academic abilities. For master's level admission, it is acceptable for one of the letters to be submitted by a media or public relations professional who is familiar with the applicant's work and his or her suitability for graduate study.

Applicants with professional experience in media-related fields are encouraged to submit a resume of their professional experience and accomplishments.

To remove Conditional Admission status, doctoral students must earn a 3.00 on the first nine (9) semester hours of course work numbered 500 or above or on all course work taken while completing this nine (9) hour requirement. The courses must be taken in the School of Communication.

Applicants for the Doctoral Program

Regular Admission:

Master's Record—A cumulative GPA of 3.5 or better is required.

Graduate Record Examination—Scores from the GRE must be submitted.

Test of English as a Foreign Language—Applicants whose native language is not English must attain a TOEFL score of 550.

Letters of Recommendation—Three current letters of recommendation are required and should address the applicant's readiness for graduate study. Ordinarily such letters should be requested by applicants from faculty in their major field of study who are well-acquainted with their academic abilities. For master's level admission, it is acceptable for one of the letters to be submitted by a media or public relations professional who is familiar with the applicant's work and his or her suitability for graduate study.

Applicants with professional experience in media-related fields are encouraged to submit a resume of their professional experience and accomplishments.

Statement of Goals—Applicants must submit a written statement of goals (500-750 words). This statement enables the applicant to discuss career plans, and to supply additional information that will assist in selecting those individuals who can most benefit from and contribute to the graduate communication programs.

Conditional Admission:

Students who do not meet the requirements for regular admission may be considered for conditional admission. The requirements for letters of recommendation and statement of goals are the same as for regular admission.

To remove Conditional Admission status, doctoral students must earn a 3.50 on the first nine (9) semester hours of course work numbered 600 or above or on all course work taken while completing this nine (9) hour requirement. The courses must be in mass communication or speech communication.

International students must score at least 550 on the TOEFL examination before they can be admitted into any graduate program in the School. Members of all underrepresented groups are strongly encouraged to apply.

Master of Arts/Master of Science

Major: Communication

Thesis Option

Emphasis: Mass Communication

All students pursuing this program in Communication must complete the following requirements:

	Hours
Substantive Core	
MC 607, MC 625	6
Research Methods	
MC 720	3
MC 722, RTF 525, Statistics (any two)	6
Thesis	6
Electives in Mass Communication	9

A minimum of thirty (30) semester hours must be completed, including thesis credit. At least eighteen (18) of these hours must be numbered 600 and above. All candidates must pass a comprehensive written examination, submit a scholarly thesis, and defend the thesis. In addition to minimum credit and thesis requirements, the candidate for the Master of Arts degree must demonstrate proficiency in an approved foreign language not to be counted toward the credit hours requirement. A 3.0 GPA is required for graduation.

Continuous Enrollment Requirement.

Master of Science

Major: Communication

Non-Thesis Option

Emphasis: Mass Communication

All students pursuing this program in Communication must complete the following requirements:

	Hours
Substantive Core	
MC 607, MC 625	6
Research Methods	
MC 720	3
MC 722, RTF 525, Statistics (any two)	6
Electives in Mass Communication	18

A minimum of thirty-three (33) semester hours must be completed. At least eighteen (18) of these hours must be numbered 600 and above. All candidates must pass a comprehensive written examination. A 3.0 GPA is required for graduation.

Continuous Enrollment Requirement.

Master of Science

Major: Public Relations

All students pursuing a major in Public Relations must complete the following requirements:

	Hours
Substantive Core	
MC 607, MC 620, MC 621, MC 625	12
Research Methods	
MC 720	3
MC 722, or RTF 525, or JOU 526, or Statistics	3
Thesis, major project, or internship*	3-6
Speech Communication/Mass Communication Electives**	6-9

*Students seeking the Master of Science degree with a major in Public Relations may choose between a thesis and a non-thesis option. Six hours credit are given for a thesis and three hours for a major project or internship.

**Students who did not have undergraduate public relations courses must take JOU 521, 522, and 526.

A minimum of thirty (30) semester hours must be completed, including thesis, major project or internship. At least eighteen (18) of these hours must be numbered 600 and above. All candidates for the Master of Science degree with a major in Public Relations must pass comprehensive written examinations, and either submit and defend a scholarly thesis, or complete a major project, or serve an approved internship. A 3.0 GPA is required for graduation.

Candidates with undergraduate deficiencies must take undergraduate courses to correct the deficiency without receiving graduate credit for the additional course work. Candidates with few undergraduate deficiencies may be permitted by their academic committees to complete a graduate minor pertinent to their area of specialized practice, e.g., social work, public administration

business administration, and criminal justice.

Continuous Enrollment Requirement.

Doctor of Philosophy

The Doctor of Philosophy degree program is structured in consultation with each student's doctoral committee. The program involves study of advanced theory and research in mass communication.

A four-course sequence in research design and methodology is required of all doctoral students. The four courses include: MC 625 - Process and Effects of Mass Communication or SCM 735 - Rhetorical Theory; MC/SCM 720 - Introduction to Graduate Research in Communication; MC/SCM 722 - Communication Research Methods; and MC 607 - Theories of Mass Communication. Equivalent courses taken at another institution will be accepted, pending approval of the Director, the major professor, and the instructor of the course.

The minimum credit requirement for the doctoral degree is fifty-four (54) hours beyond the master's degree or eighty-four (84) hours beyond the baccalaureate degree. The student takes rigorous written and oral examinations and submits and defends a scholarly dissertation pertaining to the area he or she elects to emphasize (see section on General Requirements and Regulations). A 3.0 GPA is required for graduation.

Residency

Students must meet the residency requirements specified in this *Bulletin*.

Doctoral students may elect an outside minor consisting of twelve (12) hours approved by the major professor and academic committee members. Doctoral students must demonstrate proficiency in basic communication research design and methodology, as well as competency in basic statistics.

Continuous Enrollment Requirement.

Department of Philosophy and Religion

David M. Holley, Chair
Hattiesburg, MS 39406-5015
(601) 266-4518

Bruton, Burr, Capper, Jr., DeArmeay, Smithka, Wood

The Department of Philosophy and Religion offers a course of study leading to the Master of Arts degree with a major in Philosophy, and a graduate minor in either Philosophy or Religion.

Master's Degree Program

Requirements for Regular Admission to the Master's Program

In evaluating applications, the department utilizes the following criteria: (a) Submission of scores from the Graduate Record Examination, (b) Undergraduate Record, and (c) three letters of recommendation. Letters of recommendation should be from persons qualified to assess the applicant's readiness for graduate study and should be sent to the department. Generally, applicants have above a 3.0 on their grade point average. The department considers the trends of the grades and specifically the grades in philosophy. Applicants are encouraged (but not required) to submit a writing sample.

In addition to the criteria for regular admission, students whose native language is not English must also score at least 550 on the TOEFL examination. The department presumes that applicants who have fulfilled these requirements possess an adequate knowledge of English. If, upon the student's arrival at the university, it is determined that he or she does not possess an adequate command of English, the department reserves the right to require appropriate remedial courses.

Students determined to have deficiencies in their undergraduate program will be required to remedy the deficiencies.

Members of all underrepresented groups are strongly encouraged to apply.

Requirements for Conditional Admission to the Master's Program

In exceptional cases, students may be admitted conditionally. To remove Conditional Admission status, masters students must earn a 3.0 on the first nine (9) semester hours of course work numbered 500 or above or on all course work taken while completing this nine (9) hour requirement.

Curriculum Requirements

In addition to the general admission and academic requirements for all graduate programs as set forth in this **Bulletin**, candidates for the Master of Arts degree with a major in Philosophy may choose either the research thesis option or the applied thesis option:

A. Research Thesis Option

1. A total of thirty (30) semester hours of credit, with at least eighteen (18) hours of that work in courses numbered 600 and above. A 3.0 GPA is required for graduation.
2. A research thesis, for which the student receives six (6) hours credit toward the thirty (30) total required hours.
3. A comprehensive examination, normally taken after the completion of all formal course work but before the thesis is officially begun. The comprehensive examination is intended to test the student's general competence in philosophy.
4. An oral examination on the completed thesis. During the oral examination, the student will be expected to be able to explain and defend the ideas presented in the thesis.
5. A reading knowledge of one foreign language.
6. Optional Minor: With the approval of the director of graduate studies, a student may have a minor (including religion), consisting of nine (9) semester hours in a (single) field which is related to the student's philosophical interests. Three (3) semester hours of that minor may then be counted toward the thirty (30) total required hours.
- 7/ Continuous Enrollment Requirement.

B. Applied Thesis Option

1. A total of thirty-three (33) semester hours of credit with at least eighteen (18) hours in courses numbered 600 and above. A 3.0 GPA is required for graduation.
2. An applied thesis which demonstrates the application of philosophical thought to a specific issue, problem or debate. The student will receive six (6) hours of credit for this applied thesis.
3. After satisfactory completion of the course work, the student must take a comprehensive examination.
4. An oral exam must be taken on the completed applied thesis.
5. A reading knowledge of one foreign language.
6. Optional Minor: With the approval of the director of graduate studies, a student may have a minor (including religion), consisting of nine (9) semester hours in a (single) field which is related to the student's philosophical interests. Three (3) semester hours of that minor may then be counted toward the thirty (33) total required hours.
7. Continuous Enrollment Requirement.

Department of Political Science

Allan B. McBride, Chair
Hattiesburg, MS 39406-5108
(601) 266-4310

Davis, Greene, Lea, Lansford, McBride, Marquardt, Parker, von Herrmann, Waltman, Wolfe

Master's Degree Program

Requirements for Regular Admission to the Master's Program

The Department of Political Science utilizes the following criteria for evaluating applicants to the Master's program:

1. The department prefers that applicants to the program have an undergraduate degree in political science. However, the applications of students who have an undergraduate degree in another discipline and who have nine or more hours of undergraduate coursework in political science with an average on those courses of 3.0 (on a 4.0 scale) will be considered.
2. The cumulative undergraduate grade point average (GPA) from all institutions attended as well as the trend of grades over the course of the undergraduate degree program is considered. The department looks especially at the final two years of an applicant's undergraduate program. An overall GPA of 3.0 during the final two years of undergraduate study is preferred.
3. Applicants must take the **Graduate Record Examination (GRE)** before they can be admitted to the master's program. The department looks for applicants who have a good balance among the parts of the GRE.
4. Applicants must submit two letters of recommendation. Letters of recommendation should be from persons qualified to assess the applicant's readiness for graduate study and should be sent to the department.
5. Members of underrepresented groups are encouraged to apply.
6. Applicants who do not meet the criteria for regular admission may, at the department's discretion, be given conditional admission to the program. The requirements for removing the conditional status will be stated at the time of admission.

Master of Arts

Requirements for the Master of Arts degree include thirty (30) semester hours of course work (18 hours of 600 level or higher), including a thesis and passage of a comprehensive examination in three fields of political science. A 3.0 GPA is required for graduation.

Continuous Enrollment Requirement.

Master of Science

Requirements for the Master of Science degree include: thirty-six (36) hours of course work (18 hours of 600 level or higher), including PS 511 and PS 512. A thesis is optional. Passage of a comprehensive exam in three subfields of political science and a 3.0 GPA are required for graduation.

Continuous Enrollment Requirement.

Master of Science, Emphasis in Public Law and Administration

Requirements include thirty-six (36) hours of course work in political science, including PS 511 and PS 512. Nine (9) hours, substituted for nine (9) hours of the mandated thirty-six (36) hours of political science coursework, may be taken in a related discipline, as a minor, with the approval of the graduate adviser. Eighteen (18) hours of 600 level or higher. Passage of a comprehensive

The fields of political science and the courses in each field are:

Political Theory and Methodology

511, 512, 520, 521, 526, 721

American Government and Politics

501, 502, 503, 504, 505, 506, 507, 508, 509, 700

International Relations

531, 532, 535, 730, 731

Comparative Government and Politics

550, 551, 552, 556, 557, 558, 597, 750

Public Administration

571, 572, 573, 574, 770

Public Law

580, 581, 582, 584, 585, 588, 589, 781

All graduate students are required to take PS 511. Students who plan to pursue doctoral studies are urged to take PS 512.

Comprehensive Examination

A comprehensive examination will be given at or near the end of the course work in three of the fields of political science listed above.

Continuous Enrollment Requirement.

Department of Speech and Hearing Sciences

Stephen E. Oshrin, Chair
Hattiesburg, MS 39406-5092
(601) 266-5216

Alexander, Bell*, Berry, Carlin, Cloud, Muma, Oshrin, Saniga, Schaub, Teller, Terrio*

**Associate Graduate Faculty*

The Department of Speech and Hearing Sciences offers programs leading to the Master of Arts and the Master of Science degrees. Emphasis is possible in three principal areas: (1) speech-language pathology, (2) audiology, and (3) education of the deaf.

New students are accepted by the Department of Speech and Hearing Sciences for the master's program in Speech-Language Pathology, Audiology, or Education of the Deaf prior to each registration period. Students must have regular admission status to register for practicum courses.

Non-degree students are not permitted to register for courses in Speech and Hearing Sciences without permission.

Potential graduate students should refer to other sections of the *Bulletin* for information regarding admission requirements as set forth by the Graduate School. Regular admission to the master's programs is based upon the previous academic records, submission of scores on the **Graduate Record Examinations**, and three letters of recommendation. Letters of recommendation should be from persons qualified to assess the applicant's readiness for graduate study and should be sent to the department or school. The size of the graduate program is limited by accreditation standards, and admission is made on a competitive basis.

Students who do not qualify for regular admission may be admitted on conditional status if space allows. Conditional students are required to take additional coursework for graduation. In addition, a student whose initial admission is on a conditional or non-degree basis may register for no more than one hour of clinical practicum during any semester of their graduate program. Conditional

proficiency, thesis, four semester hours of clinical practicum, no less than twelve three-semester-hour courses, and the successful completion of a comprehensive examination. A 3.0 GPA is required for graduation. The master's comprehensive examination is the National Examination in Speech-Language Pathology and Audiology; the passing score for this year is 600. The Master of Science degree in speech-language pathology requires four semester hours of clinical practicum, no less than 15 three-semester-hour courses, and the successful completion of a comprehensive examination. The Master of Arts degree in audiology requires a thesis, three semester hours of clinical practicum, no less than nine three-semester-hour courses, foreign language proficiency, and the successful completion of a comprehensive examination. The Master of Science degree in audiology requires three semester hours of clinical practicum, no less than 11 three-semester-hour courses, and the successful completion of a comprehensive examination. A 3.0 GPA is required for graduation.

Master's Degree with Emphasis in Audiology

The master's degree with an emphasis in audiology is a clinical degree designed to meet the academic and practicum requirements for the Certificate of Clinical Competency in Audiology awarded by the American Speech-Language-Hearing Association. The following courses are required: SHS 528, 601, 621, 623, 625, 688, 694, 698 or 692, 701, 722, 723, 724, 726. A 3.0 GPA is required for graduation.

Continuous Enrollment Requirement.

Master's Degree with Emphasis in Education of the Deaf

The program leading to the master's degree with an emphasis in education of the deaf is individualized to the needs of the student. Specialization in education of the deaf may be pursued in a number of areas including pre-primary, elementary (grades 1-8), secondary, secondary special subject, atio3subject,'0061 Tj kSpes 1t elemeolemleadi 6lemlleaduation.nISvern by the Amn Sdide o'(Continu

The master's degree program with emphasis in Education of the Deaf is certified by the National Council for Accreditation of Teacher Education (NCATE). This certification is reciprocal among approximately 40 states.

Admission Requirements for International Students

In addition to meeting the requirements for admission stated in this **Bulletin**, international students are required to submit a TOEFL score of 560 and submission of scores from the **GRE**.

Applicants for the Doctoral Program

Regular Admission:

Master's Record—A cumulative GPA of 3.5 or better is required.

Graduate Record Examination—Scores from the GRE must be submitted.

Test of English as a Foreign Language—Applicants whose native language is not English must attain a TOEFL score of 550.

Letters of Recommendation—Three current letters of recommendation that refer to the student's academic ability and preparation to pursue graduate study must be submitted. Normally these will be requested from faculty who have taught and/or supervised the student. The letters should be sent to the Department of Speech Communication.

Statement of Goals—Applicants must submit a written statement of goals (500-750 words). This statement enables the applicant to discuss career plans, and to supply additional information that will assist in selecting those individuals who can most benefit from and contribute to the graduate communication programs.

Conditional Admission:

Students who do not meet the requirements for regular admission may be considered for conditional admission. The requirements for letters of recommendation and statement of goals are the same as for regular admission.

To remove Conditional Admission status, doctoral students must earn a 3.50 on the first nine (9) semester hours of course work numbered 600 or above or on all course work taken while completing this nine (9) hour requirement. The courses must be in mass communication or speech communication.

International students must score at least 550 on the TOEFL examination before they can be admitted into any graduate program in the School. Members of all underrepresented groups are strongly encouraged to apply.

Master of Arts/Master of Science Major: Communication

Thesis Option

Emphasis: Speech Communication

All students pursuing this program in Communication must complete the following requirements:

	Hours
Substantive Core	
SCM 600, SCM 735	6
Research Methods	
SCM 720, Electives*	9
SCM Electives.....	9
Thesis	6

*The research methods electives will be chosen from SCM 721, SCM 722, REF 602, REF 761.

A minimum of thirty (30) semester hours must be completed, including thesis credit. Students may focus on organizational communication, interpersonal communication, or persuasion and social influence. At least eighteen (18) of these hours must be numbered 600 and above. All candidates must take a comprehensive written examination, submit a scholarly thesis, and defend the thesis. In addition to minimum credit and thesis requirements, the candidate for the Master of Arts degree must demonstrate proficiency in an approved foreign language not to be counted toward the credit hours requirement. A 3.0 GPA is required for graduation.

Continuous Enrollment Requirement.

Master of Science

Major: Communication

Non-Thesis Option

Emphasis: Speech Communication

All students pursuing this program in Communication must complete the following requirements:

	Hours
Substantive Core	
SCM 600, SCM 735	6
Research Methods	
SCM 720, Electives*	9
SCM Electives.....	18

-
- (b) WS 692, "Special Problems in Women's Studies"; and
 - (c) special topics courses in various disciplines which are being offered for one semester only, as approved by the Director.
- (4) a minimum 3.0 GPA in all courses counting toward the minor.

Since new courses may become available for Women's Studies credit in any given semester, the candidate should be advised by the Director of Women's Studies as well as by the candidate's major professor.

College of Marine Sciences

Darrell Jay Grimes, Dean

Sharon H. Walker, Associate Dean for Outreach

Vernon L. Asper, Associate Dean for Research and Sponsored Programs

P.O. Box 7000

Ocean Springs, MS 39566-7000

(228) 872-4200

The College of Marine Sciences (COMS) offers a multidisciplinary graduate-level, research-oriented academic degree program. The College has three missions: research, education, and outreach. Research is marine-related, focused on all marine environments from the open ocean to coastal environments and from continental shelves to estuaries. Research areas are aquaculture, biodiversity and systematics, biological oceanography, chemical oceanography, coastal ecology, coastal oceanography, environmental fate and effects, fisheries science, geological oceanography, marine biology, marine chemistry, marine geology, marine sedimentology, marine microbiology and parasitology, numerical ocean modeling, science education, and physical oceanography.

College faculty are located on the Mississippi Gulf Coast and in Hattiesburg. Gulf Coast locations include the John C. Stennis Space Center, near Bay St. Louis, the J. L. Scott Marine Education Center and Aquarium in Biloxi, and the Gulf Coast Research Laboratory in Ocean Springs. Expertise in numerical modeling is provided by scientists in the College's Center for Ocean and Atmospheric Modeling (COAM). The College offers Master of Science and Doctor of Philosophy 0.1224 . Thy-m7-7m ecoarin

Conditional admission to the Department of Coastal Sciences is considered for students who meet Graduate School standards for conditional admission and who are sponsored by a member of the faculty of Coastal Sciences. The sponsor must provide a written statement indicating willingness to serve as the applicant's major professor. Conditional students cannot obtain a Departmental assistantship but can be awarded a research stipend from a major professor's grant.

Conditionally admitted students must maintain a 3.0 GPA for the first nine (9) hours of formal course work numbered 500 and above or on all course work taken while meeting this nine (9) hours requirement, not including research hours and only including up to three (3) hours of Special Problems. If this requirement is not met, the student is not allowed to remain in the program. Upon recommendation of the department chair and approval by the Graduate Dean, the conditionally admitted student may have their admission status changed to "regular admission."

Students wishing to be considered for a limited number of graduate assistantships for the academic year beginning in the fall semester must have their completed application package to the Graduate School no later than February 15. All applications for admission reviewed after this date will be considered if space is available, or will be placed in consideration for the next term.

Program Requirements

A minimum of thirty (30) graduate hours is required for this degree. Students must meet the general requirements of the Graduate School of The University of Southern Mississippi. Students advance to candidacy for the M.S. degree by completing the entire Program of Study (projection of coursework taken during tenure in Coastal Sciences; see below) developed in consultation with their graduate committee with a 3.0 average or above, completing an approved thesis prospectus, and successfully passing the oral and/or written thesis comprehensive examination.

The following list describes major additional requirements:

- 1) Choose a major professor and establish a three-member graduate thesis committee by the end of the second semester in residency;
- 2) Develop a Program of Study in consultation with major professor and thesis committee by the end of the second semester of residency. Graduate students cannot accumulate more than two Cs;
- 3) Submit a research prospectus approved by the graduate thesis committee by the end of the third semester in residency;
- 4) Pass an oral and/or written comprehensive examination by the end of the third semester in residency (administered by the thesis committee); and
- 5) Present an acceptable copy of the thesis to the graduate thesis committee at least ten days prior to a public defense of the thesis at a publicly announced meeting. (See Thesis Timetable in front section of this **Bulletin**.)
- 6) Continuous Enrollment Requirement

Program of Study

	Hours
COA 601 Coastal Processes I	3
COA 602 Coastal Processes II	3
COA 603 Professional Skills	2
PSY 662 Quantitative Methods I*	3
COA 691 Research in Coastal Sciences	6
COA 698 Thesis	6
Electives (Determined by major adviser and advisory committee)**	7

*Students can substitute another 3 hour statistics course approved by the major adviser and Coordinator of Graduate Studies.

**COA 697 - Independent Study and Research, COA 698 - Thesis, do not count toward this 7 credit hours of electives for the M.S. degree. This 7 credit hours of electives is the minimum requirement and additional courses may be recommended.

Doctor of Philosophy Program

The College of Marine Sciences offers a Doctor of Philosophy Degree in the Department of Coastal Sciences with specialization in a wide range of subdisciplines including aquaculture, coastal ecology, biodiversity and systematics, coastal geology, environmental chemistry, estuarine and marine botany, fisheries ecology, geochemistry, parasites and diseases, and toxicology. The Ph.D. program emphasizes excellence in research. Knowledge deficiencies will be eliminated through enrollment in elective courses as determined by the student's five-member graduate committee.

Qualified students holding a bachelor's degree (B.S./B.A.) or M.S. degree in a relevant field of science are encouraged to apply for admission.

Admission Requirements

Granting of regular admission to the Doctor of Philosophy Degree Program is based on several criteria, including but not limited to the following:

- 1) Regular admission to the Doctor of Philosophy Degree Program requires consideration of the undergraduate overall GPA of 3.0 in a science-based major and a minimum GPA of 3.5 on all previous graduate work;
- 2) Submission of results of the general section of the Graduate Record Examination (GRE). Successful applicants have highly competitive scores;
- 3) A letter of intent stating interests and career goals as well as three letters of recommendation from persons qualified to assess the applicant's readiness for graduate study and should be sent to the department or school. The Department will not initiate its review of an application until the essay and letters of recommendation are provided. The essay is used as a sample of the applicant's writing and communication skills, and provides information concerning the compatibility of the applicant's interests with departmental research interests. These should be sent to the Office of Student Services at COMS-GCRL; and
- 4) A minimum score of 560 on the paper test or 220 on the computer test is required on the Test of English as a Foreign Language (TOEFL) for applicants whose native language is other than English.

Because more qualified students apply to Coastal Sciences than can be accepted, admission is selective and a complete application must be submitted.

Conditional admission to the Department of Coastal Sciences is considered for students who meet Graduate School standards for conditional admission and who are sponsored by a member of the faculty of Coastal Sciences. The sponsor must provide a written statement indicating willingness to serve as the applicant's major professor. Conditional students can not obtain a Departmental assistantship but can be awarded a research stipend from a major professor's grant.

Conditionally admitted students must maintain a 3.25 GPA for the first nine (9) hours of formal course work numbered 600 and above or on all course work taken while meeting this requirement, not including research hours and only including up to three (3) hours of Special Problems. If this requirement is not met, the student is not allowed to remain in the program. Upon recommendation of the departmental chair and approval by the Graduate Dean, the conditionally admitted student may have their admission status changed to "regular admission."

Students wishing to be considered for a limited number of graduate assistantships for the academic year beginning in the fall semester must have their completed application package to the Graduate School no later than February 15. All applications for admission reviewed after this date will be considered if space is available, or will be placed in consideration for the next term.

Program Requirements

A minimum of eighty-four (84) hours beyond a B.S./B.A. degree or a minimum of fifty-four (54) graduate hours beyond the M.S. degree is required for this degree. Students must meet the general requirements of the Graduate School of The University of Southern Mississippi. Students advance to candidacy for the Ph.D. degree by completing the entire Program of Study (projection of coursework taken during tenure in Coastal Sciences; see below) developed in consultation with their graduate committee with a B average or above, completing an approved dissertation prospectus, and successfully passing the written and oral comprehensive examinations.

The following list describes major additional requirements:

- 1) Choose a major professor and establish a five-member graduate doctoral committee by the beginning of the third semester in residency;
- 2) The major adviser, the Coordinator of Graduate Studies, and the Department Chair will consider the student's academic record and interview the student at a committee meeting to assess the student's ability to pursue additional graduate work by the end of the first semester of residency. This assessment fulfills the requirement for a qualifying examination as determined by the Graduate Council of The University of Southern Mississippi as stated in this Bulletin;

- 3) Develop a Program of Study (projection of coursework taken during tenure in Coastal Sciences) in consultation with major professor and dissertation committee by the end of the third semester of residency. Graduate students cannot accumulate more than two Cs;
- 4) **Research Tool(s).** The Ph.D. program requires that the student's Ph.D. committee will convene

Experience with computers is highly recommended. We realize that not all students will have gained the ideal background for pursuing a M.S. or Ph.D. in Marine Science or Hydrographic Science. Deficiencies will normally be made up during the student's first year.

Master of Science Programs

Admission Requirements

In addition to the general admission and academic requirements for all graduate programs as set forth in this **Bulletin**, regular admission to the Master's program in Marine Science or in Hydrographic Science requires successful completion of the **Graduate Record Examination** and a high grade point average for the last two years of undergraduate study. Successful applicants have highly competitive scores and have grade point averages of 3.0 or above. Also required are three letters of recommendation from persons qualified to assess the applicant's readiness for graduate study and should be sent to the department. A letter of intent should also be sent to the department chair expressing personal academic, research, and career goals. This letter is used in two ways in the admission process. It provides a sample of the applicant's writing competency and communication skills, and provides information concerning the compatibility of the applicant's interests with departmental research interests. A minimum score of 560 is required on the Test of English as a Foreign Language (TOEFL) for applicants whose native language is other than English. Applicants who are not eligible for regular admission may be considered for conditional admission. Conditionally admitted students must maintain a 3.0 GPA for the first nine (9) hours of course work numbered 500 and above or on all course work taken while completing this nine (9) hour requirement. If this requirement is not met, the student is not allowed to remain in the program. Upon recommendation by the department chair and approval by the Graduate Dean, the conditionally admitted student may have his or her admission status changed to "regular admission." For students wishing to be considered for graduate assistantships for the academic year beginning in the fall semester, application materials should be received no later than March 1.

Program Requirements for Master of Science in Marine Science

A total of 34 hours of graduate level courses (18 hours of 600 level or higher) with a minimum GPA of 3.0 must be completed in order to fulfill the Master of Science degree requirements. All entering graduate students must complete the four core courses, generally by the end of their first year in residence. Students advance to candidacy for the M.S. degree by completing all the core courses with a grade of B or better, successfully passing the department qualifying comprehensive examination (administered after the core courses are completed), and completing a thesis prospectus. A graduate student can accumulate no more than two Cs. Other program course requirements include six (6) hours of Thesis and at least one (1) hour of Seminar in Marine Science. The required courses account for 24 of the total 34 hours; the remaining 10 hours (courses numbered 600 and above) must be chosen by the student (after consultation with the student's adviser) from a list of elective courses approved by the department. More information on Marine Science degree requirements and additional course listings can be obtained by writing to the department chair.

Continuous Enrollment Requirement

Required Courses

Hours

MAR 501	Biological Oceanography.....	3
MAR 501L	Biological Oceanography Laboratory	1
MAR 541	Marine Chemistry	3
MAR 541L	Marine Chemistry Laboratory	1
MAR 561	Physical Oceanography.....	3
MAR 561L	Physical Oceanography Laboratory.....	1
MAR 581	Geological Oceanography.....	3
MAR 581L	Geological Oceanography Laboratory	1
MAR 689	Seminar in Marine Science	2
MAR 698	Thesis	6
	Approved Electives (600 level or above).....	10

Program Requirements for Master of Science in Hydrographic Science

The M.S. degree in Hydrographic Science is a non-thesis degree program. A total of 36 semester hours of graduate level courses (18 hours of 600 level or higher) with a minimum GPA of 3.0 must be completed to fulfill the Master of Science in Hydrographic Science degree requirements. Student must also take a comprehensive examination. A graduate student can accumulate no more than two Cs.

Students admitted to the M.S. in Hydrographic Science degree program are required to complete a set of core courses. There are a total of 27 semester hours of required core course work. There is a set of three elective courses. Each degree-seeking student must take at least one of these 3-hour

Admission Requirements

In addition to the general admission and academic requirements for all graduate programs as set forth in this **Bulletin**, regular admission to the Ph.D. program in Marine Science requires successful completion of the **Graduate Record Examination** and a high grade point average for the last two years of undergraduate study as well as a 3.50 GPA on previous graduate study. Successful applicants have highly competitive scores and have a grade point average of 3.0 or above for undergraduate work and 3.5 on previous graduate study. Also required are three letters of recommendation from persons qualified to assess the applicant's readiness for graduate study and should be sent to the department or school. A letter of intent should also be sent to the department chair expressing personal academic and research goals. A minimum score of 560 is required on the Test of English as a Foreign Language (TOEFL) for applicants whose native language is other than English. For students wishing to be considered for graduate assistantships for the academic year beginning in the fall semester, application materials should be received by the department no later than March 1.

Program Requirements

Required Courses

	Hours
MAR 501 Biological Oceanography	3
MAR 501L Biological Oceanography Laboratory	1
MAR 541 Marine Chemistry	3
MAR 541L Marine Chemistry Laboratory	1
MAR 561 Physical Oceanography	3
MAR 561L Physical Oceanography Laboratory	1
MAR 581 Geological Oceanography	3
MAR 581L Geological Oceanography Laboratory	1
MAR 689 Seminar in Marine Science	2
MAR 898 Dissertation	12
Approved Electives	12*

Summer courses at GCRL are listed in this Bulletin under Coastal Sciences (COA), Marine Science (MAR), and Biological Sciences (BSC) and, where appropriate, are cross-listed by Geology, Chemistry, and Science and Mathematics Education. Summer courses are available for graduate credit. Graduate students may also conduct thesis, dissertation, and directed research at GCRL under the supervision of faculty in the College of Marine Sciences (CMS).

Admission

Students are admitted to Summer Program courses on the basis of academic performance and credentials. Students are asked to apply directly to COMS/GCRL for admission to the accelerated summer courses so that their records can be reviewed for admission. Admissions will be made on a competitive basis, with a limited number of seats held open for general registration during the SOAR program to accommodate the Marine Science and Coastal Sciences graduate degree programs and the Marine Biology undergraduate degree program within USM. Contact the Office of Student Services, College of Marine Sciences, Gulf Coast Research Laboratory, P.O. Box 7000, Ocean Springs, MS 39566-7000 for application materials. The Gulf Coast Research Laboratory is affiliated with 65 colleges and universities whose students participate in the summer academic program on a competitive basis at both the graduate and undergraduate levels. Applications for admission to the COMS/GCRL summer academic program are accepted beginning the second week of January. Decisions on admission to Summer Program courses will be made during the last week of March. Date of application is used to award space in cases where academic credentials are similar; early application to the program is prudent.

Course Loads

The summer academic program courses are offered during two 5-week terms. Because courses are

College of Nursing

Graduate Degrees

2002-2003

	Major	Degree
Master's Level	Nursing	Master of Science in Nursing
	Community Health Nursing Emphasis	
	Family Nurse Practitioner Emphasis	
	Nursing Service Administration Emphasis	
	Psychiatric Nursing Emphasis	
	Psychiatric Nurse Practitioner Emphasis	
Doctoral Level	Nursing	Doctor of Philosophy
	Ethics Emphasis	
	Leadership Emphasis	
	Policy Analysis Emphasis	

College of Nursing

Marie Farrell, Dean

Bonnie Lee Harbaugh, Assistant Dean, Graduate Programs

Hattiesburg, MS 39406-5095

(601) 266-5445

Anderson, Bender, Bowman, Brock, Butts, Chatham, Copeland, Coyne, Daggett, Douglas, Farrell, Harbaugh, Harrison, Hartman, Haspeslagh, Huch*, Janes, , Lewis*, Lundy, Martin*, Mignor, Rachel*, Reinert, Smith, Walley**

**Associate Graduate Faculty*

Mission

The College of Nursing provides educational programs to prepare professional practitioners in the discipline of nursing for diverse populations; promotes service activities to the community, nursing profession, and The University; and fosters research and scholarly activities to expand nursing knowledge and practice. The curricula prepare the beginning generalist in professional nursing and the advanced practitioner for leadership in health care systems.

The faculty envision the College of Nursing as an academic entity in which a diversified body of undergraduate and graduate students are prepared as expert nursing professionals and are able to think critically and provide leadership at various levels in their fields of practice. The College is viewed as a center for the development of new knowledge and improved forms of practice for nursing.

The faculty envision that the College of Nursing of The University of Southern Mississippi will be distinguished as:

1. a statewide and regional center for nursing education, practice expertise, and leadership;
2. a center of academic excellence grounded in the most innovative nursing education and the most advanced research;
3. a provider of regional health initiatives to promote and maintain the health care of citizens; and
4. a center of doctoral education in nursing for the state.

Organization and Administration

The College of Nursing offers programs at three sites- Hattiesburg, the Gulf Coast, and Meridian. The Dean of the College of Nursing is responsible for the implementation of programs on all sites. There are campus coordinators at Meridian and the Gulf Coast who coordinate scheduling and student admission and advisement at these sites. The Assistant Dean for Graduate Programs is responsible for admission and advisement of graduate students on the Hattiesburg campus.

Master of Science in Nursing Degree Program

The College of Nursing offers the Master of Science in Nursing (MSN) degree with specialization in Adult Health Nursing, Community Health Nursing, Family Nurse Practitioner, Nursing Service Administration, Psychiatric Nursing, and Psychiatric Nurse Practitioner.

The purposes of the master's program in nursing are to provide study in advanced nursing practice and role development, and to provide a foundation for doctoral study.

Admission Requirements

The College of Nursing adheres to the University policies with regard to the admission of graduate students. In a limited number of cases, conditional admission may be granted to applicants who do not meet the minimum requirements. Members of all under represented groups are strongly encouraged to apply. In addition to meeting The University requirements for admission to graduate study, the master's program applicant must have:

1. graduated from a baccalaureate program accredited by the National League for Nursing Accrediting Commission or the Commission on Collegiate Nursing Education,
2. a 3.0 Grade Point Average (GPA) in undergraduate nursing courses and a minimum 2.75 GPA in the last 60 hours,

3. completed an introductory course in statistics,
4. physical assessment skills,
5. submitted scores of the Graduate Record Examination (GRE),
6. unencumbered registered nurse (RN) license,
7. proof of immunization against the Hepatitis B virus,
8. current cardio-pulmonary resuscitation (CPR) certificate,
9. a yearly tuberculosis (TB) skin test,
10. proof of a recent health examination, and
11. submission of three letters of reference from employers, supervisors, teachers, or others who are qualified to assess the student's academic ability and readiness for graduate study. The letters should be sent to the Assistant Dean for Graduate Programs in the College of Nursing.

Exceptions to the above criteria must be approved by the Assistant Dean for the Graduate Program, the Dean of the College of Nursing, and the Dean of the Graduate School.

In addition to the above requirements, students who select the Family Nurse Practitioner Program must also submit a separate application to the College of Nursing Graduate Admissions Committee by March 1 for consideration for the fall class.

6. Fulfillment of Research Tool(s) requirements,
7. A 3.0 GPA is required for graduation.

Continuous Enrollment Requirement: Students must meet the requirement specified in the front section of this *Bulletin*.

College of Science and Technology

Graduate Degrees 2002-2003

Department	Major	Degree
Master's Level		
School of Engineering Technology	Engineering Technology	Master of Science
	Workforce Training and Development	Master of Science
Biological Sciences	Biological Sciences	Master of Science
	Biological Sciences Emphasis	
	Environmental Biology Emphasis	
	Marine Biology Emphasis	
	Microbiology Emphasis	
Chemistry and Biochemistry	Molecular Biology Emphasis	Master of Science
	Chemistry	
Computer Science and Statistics	Biochemistry Emphasis	Master of Science
	Chemistry Emphasis	
	Computer Science	
Geology	Computer Science	Master of Science
	Computational Science Emphasis	
Mathematics	Computer Science Emphasis	Master of Science
	Mathematics	
Medical Technology	Computational Science Emphasis	Master of Science
	Mathematics Emphasis	
Physics and Astronomy	Medical Technology	Master of Science
	Physics	
	Computational Science Emphasis	
School of Polymers and High Performance Materials	Physics Emphasis	Master of Science
	Polymer Physics Emphasis	
Science and Mathematics Education	Polymer Science	Master of Science
	Science Education	
	Biology Education Emphasis	Master of Science
	Chemistry Education Emphasis	
	Earth Science Education Emphasis	
	Physics Education Emphasis	

Department	Major	Degree
Doctoral Level		
School of Mathematical Sciences	Scientific Computing	Doctor of Philosophy
Biological Sciences	Biological Sciences Biological Sciences Emphasis Environmental Biology Emphasis Marine Biology Emphasis Microbiology Emphasis Molecular Biology Emphasis	Doctor of Philosophy
Chemistry and Biochemistry	Chemistry Biochemistry Emphasis Chemistry Emphasis	Doctor of Philosophy

College of Science and Technology

Robert Y. Lochhead, Dean
C. Howard Heiden, Senior Associate Dean
R. D. Ellender, Associate Dean
Hattiesburg, MS 39406-5165
(601 266-4883)

The College of Science and Technology offers degrees as outlined on the previous two pages. Please check each department/school section for specific admission, course, and graduation requirements as well as for descriptions of areas of specialization. In addition, present and prospective students should consult earlier sections of this Bulletin for the general Graduate School requirements and regulations that apply to all graduate programs and degrees.

The Center for Science and Mathematics Education, in cooperation with the Departments of Biological Sciences, Chemistry & Biochemistry, Coastal Sciences, Computer Science & Statistics, Geology, Marine Sciences, Mathematics, Medical Technology, and Physics & Astronomy offers the M.S., Ed.D., and Ph.D. degrees in Science and Mathematics Education with areas of specialization as indicated in the college's graduate degrees listing. These units also cooperate with the College of Education and Psychology to offer the course work to support the M.Ed. and Ed.D. in Secondary Education with various science and mathematics specialization areas.

The College offers an interdisciplinary minor in Environmental Science. Interested students may obtain a listing of the available courses from the chair of their department or 25 TD 0 T [mmmittee Tc 0.0b1 Tc (chr

Admission Requirements

For regular admission, students must have an undergraduate degree from an ABET accredited program or from a closely related program and a minimum 2.75 GPA. Students must submit test scores from the Graduate Record Examination (GRE) or Graduate Management Admission Test (GMAT) and two (2) letters of recommendation. Letters of recommendation should be from persons qualified to assess the applicant's readiness for graduate study and should be sent to the department or school. Students whose native language is not English must achieve a TOEFL score of 575 or more.

Conditional admission may be granted to students who do not meet requirements for regular admission. Students admitted on a conditional basis may be required to complete additional course work and must have a minimum GPA of 3.0 on the first nine hours of graduate courses 500 level or above or on all courses taken when meeting this nine (9) hour requirement in order to be granted regular admission.

Program Requirements

In addition to the degree requirements established by the Graduate School, students earning the Master of Science in Engineering Technology must satisfy the degree requirements listed below.

Program Requirements

1. In addition to the degree requirements established by the Graduate School (30 hours with 18 hours at the 600 level), students earning the Master of Science in Workforce Training and Development must satisfy the degree requirements listed below.
2. Students must complete a project and develop a degree plan to be approved by a faculty adviser and the Workforce Training and Development Coordinator prior to the completion of more than nine hours of graduate work.
3. Students must satisfactorily complete 21 hours of core courses. These courses are determined after review of the student's application materials.
4. During the first year of graduate study, students must select a Graduate Committee comprised of three members of which two must be members of the graduate faculty of the School of Engineering Technology.
5. Students must perform satisfactorily on a comprehensive examination which is required for graduation. This exam is normally administered during the final semester of graduate work.
6. Students must maintain a cumulative GPA of 3.0 based on all graduate courses completed.
7. Continuous Enrollment Requirement.

School of Mathematical Sciences

Grayson H. Rayborn, Director
Hattiesburg, MS 39406-5165
(601) 266-4739

The School of Mathematical Sciences comprises the Departments of Computer Science and Statistics, Mathematics, and Physics and Astronomy. In addition to the degree programs offered by the departments separately, they cooperate through the School of Mathematical Sciences to offer master's degrees with emphasis in computational science and the Doctor of Philosophy in Scientific Computing.

Master of Science Program—Emphasis in Computational Science

Students must be admitted to one of the three departments in the School according to their admission requirements. Students seeking this emphasis for a M.S. degree from any of the three participating departments will complete the common core by taking three of the four courses from each of the following departmental offerings:

Computer Science and Statistics

CSC 513 Algorithms
CSS 515 Mathematical Statistics I
CSC 625 Computer Graphics
CSC 636 Modeling and Simulation
MAT 610 Numerical Linear Algebra

Mathematics

MAT 560 Numerical Analysis
MAT 605 Ordinary Differential Equations
MAT 606 Partial Differential Equations

Physics and Astronomy

PHY 551 Physical Applications of the Fourier Transform
PHY 555 Fluid Dynamics
PHY 603 Statistical Physics
PHY 606 Methods of Mathematical Physics

The student must complete an additional nine (9) semester hours in the department which awards the degree as well as meet other requirements imposed by that department. To determine which nine (9) semester hours are needed and what other degree requirements must be met, the student should consult the department from which he or she wishes to receive the degree. The student must have a 3.0 GPA to graduate.

Continuous Enrollment Requirement.

Doctor of Philosophy in Scientific Computing

Grayson H. Rayburn, Interim Director of the Center for Computational Science
Hattiesburg, MS 39406-1007
(601) 266-6516

A. Ali, D. Ali, Betounes, Burgess, Cade, Caveny, Cobb, Ding, Henry, Holyer, Kolibal, Lee, Miller, Nagurney, Pandey, Paprzycki, Perkins, Rayborn, Seyfarth, Walls, Whitehead, Xie*

Admission Requirements

Students expecting regular admission to the program should hold a bachelor's or master's degree in computer science, mathematics, physics, or a closely related field and possess a grade point average of at least 3.5 on all graduate work attempted. Prospective students should submit scores from the General section of the Graduate Record Examination and two letters of recommendation from persons qualified to assess the students readiness for doctoral study. Letters should be sent to the school.

Program Requirements

A minimum of eighty-four (84) graduate semester hours beyond the bachelor's degree or fifty-four (54) graduate semester hours beyond the master's is required for the degree. Students are expected to possess a reasonable proficiency at the undergraduate level in computer science, mathematics, and physics. Students not proficient may be required to take additional courses. All students in the program are required to complete a core curriculum consisting of the following courses:

- SC 710 Computational Methods for Physical Systems
- SC 720 Mathematics for Scientific Computing I
- SC 721 Mathematics for Scientific Computing II
- SC 730 Parallel Algorithms
- SC 740 Seminar (must be taken twice)

Other course requirements depend upon individual needs and are selected with the advice of the student's research director and doctoral committee.

Research Tool(s). See program coordinator for specific details.

Residency. Students must meet the residency requirements specified in this *Bulletin*.

Continuous Enrollment Requirement.

Other Requirements

Students must meet the requirements of the Graduate School of the University of Southern Mississippi. They are required, additionally, to pass a comprehensive examination covering the core curriculum, to submit a formal prospectus (research proposal) that has been approved by the doctoral committee, and to present an acceptable copy of the dissertation to the doctoral committee at least fourteen (14) calendar days prior to the defense of the dissertation. This defense will take place at an advertised research seminar, open to members of the University community. (See Dissertation Deadline Schedule in front section of this

program are requirxs6emeion De094-1 Tc 0T3cste Record Eyof Tf 8 0 0 8 55 509.7092 Tm 0.0527 Tff Tf du

laboratory (GCRL), Department of Coastal Sciences (COA) at Ocean Springs, MS. COA faculty may function as a student's major professor.

Admission Requirements

Granting of regular admission to the Master of Science degree program or the Doctor of Philosophy degree program is based on several criteria, including but not limited to the following:

1. Undergraduate record (grade point average on undergraduate work in biological, chemical, and physical sciences). Regular admission to the Master's Degree Program requires a grade point average of 3.0 or higher on relevant undergraduate courses and a minimum 2.75 or higher on the last 60 hours of course work. Regular admission to the Doctoral Program requires a grade point average of 3.5 or more on all previous graduate work.
2. Submission of results from the General section of the Graduate Record Examination.
3. A writing sample (essay), stating research interests and career goals (required of both master's and doctoral applicants). The department will not begin its review of an application until this statement is provided. The statement is used in two ways in the admissions process. It provides a sample of





Each candidate for the master's degree will be expected to demonstrate mastery of subject matter on the Master's Comprehensive Examinations. These examinations consist of two parts: a written examination and an oral examination. The written examination's content is dependent on the program emphasis and thesis option. The oral examination may cover all course work, including courses taken as an undergraduate. These examinations must be successfully completed two weeks prior to graduation.

The student who desires to write a thesis must select a graduate faculty member who agrees to serve as thesis director. Prior to beginning the thesis, a student must submit (for approval to his or her advisory committee) a prospectus, the guidelines for which are available in the departmental office.

Continuous Enrollment Requirement.

M.S. in Mathematics

Program Requirements

The student must enroll in the two-semester advanced calculus sequence at the graduate level at the beginning of the graduate program if the equivalent of this sequence was not included in the student's undergraduate preparation. Neither course can be used to satisfy any part of the minimum hour requirement for the master's degree, and a grade of B or above must be earned in each of the two courses.

The following minimal requirements must be included in the program:

1. 33 hours of graduate course work beyond the equivalent of a USM undergraduate degree in mathematics.
2. 21 hours of courses numbered above 600.
3. 18 hours of mathematics courses numbered above 600, which includes MAT 689 I and II (Mathematics Seminar I and II).
4. 3.0lus >5- graduationoneJ T* 0 T[lm113lu cmivawlhogram Requi331.28sPr3.974ove 600.1135pior to 062 Tm 0C1 Tw

1. Core (27 hours) Please see the Center for Computational Sciences section of this *Bulletin*.
2. MAT 689 I and II (Mathematics Seminar I and II) are required of those students who receive an assistantship.
3. MAT 561 (Numerical Analysis II) plus six additional hours to be chosen from: MAT 629, 684, 685, and the remaining MAT core course.
4. 3.0 GPA to graduate
5. Comprehensive Examination
6. Continuous Enrollment Requirement.

The master's comprehensive exam will cover the content from six courses: MAT 560, 561; two courses from MAT 605, 606, 685; and two courses from MAT 610, 629, 684.

Department of Medical Technology

M. Jane Hudson, Chair
Hattiesburg, MS 39406-5134
(601) 266-4908

Beck, Hall, Hudson, Lux

Master of Science Program

The Master of Science in Medical Technology degree programs seek to provide the student with skills and knowledge for professional enhancement. Graduates of the programs may be candidates for positions as laboratory managers, education coordinators, hospital or college/university medical technology faculty members, researchers, departmental supervisors, etc. The program is structured to provide the student with an area of emphasis.

The Department of Medical Technology offers two programs leading to the Master's degree in Medical Technology. One program is for the individual who possesses certification as a medical technologist from a recognized national certifying agency. This certification is an entrance requirement.

The second program is for the individual who does not hold certification as a medical technologist from a recognized national certifying agency. This program includes a medical technology practicum that allows the individual to become eligible to take a national certification examination. To exit this program, the student must make a score on a nationally recognized certification examination that is deemed satisfactory by the graduate Medical Technology faculty.

Admission Requirements

For both programs, in addition to meeting the general requirements of the Graduate School and University as stated in this Bulletin, the applicant must submit scores from the GRE and two letters of recommendation. Letters of recommendation should be from persons qualified to assess the applicant's readiness for graduate study and should be sent to the department or school. Students admitted will receive either regular or conditional admission, as described earlier in this **Bulletin**. Students admitted on conditional basis must make a grade point average of at least 3.00 the first semester on specific courses designated by the department faculty (specifically on the first nine (9) hours of course work numbered 500 or above or on all course work taken while completing this nine (9) hour requirement). Regardless of previous college experience, if English is not the native language of any student, evidence of English proficiency must be provided prior to admission into the graduate program. The MTELP (Michigan Test of English Language Proficiency) requirement is "Proficiency II" and is preferred by the department. Alternatively a TOEFL of 550 may be accepted. In addition, a score of 4 ("functional language skills") must be earned on a fluency test administered by the English Language Institute. This fluency test is specifically designed to determine listening and speaking skills with respect to situations and language expected during the practicum phase of the program.

To receive maximum consideration, graduate applications for the Fall semester should be received by the department by April 15, and applications for the Spring semester should be received by November 1.

Program Requirements

A minimum of thirty (30) semester hours of course work, excluding hours awarded for thesis, is required for the thesis option. A minimum of thirty-six (36) semester hours of course work is required for the non-thesis option. In addition, individuals who do not hold certification at admission must complete a practicum of forty-seven (47) hours. A minimum of eighteen (18) semester hours must be in courses numbered 600 or above. The courses should interrelate and be



Program Requirements

Specific details of the admission and program requirements are outlined in a separate Handbook provided by the School of Polymers and High Performance Materials.

Graduation is based upon:

1. Completion of 54 hours of graduate work including the 21 hours of PSC core courses with a GPA of 3.0 or better. (18 hours must be at the 600 level or higher)
2. Satisfactory development of an original research project and a thesis.
3. Satisfactory completion of the final comprehensive examination.
4. Continuous Enrollment Requirement.

Required Coursework

PSC 701, 702, 710, 711, 720, 721, 730, and 703 or 712.....	21 hours
PSC 691, 698: Research in Polymer Science and Thesis	10-45 hours
PSC 789: Polymer Science Seminar	2-6 hours

Doctor of Philosophy Program

Admissions Requirements

The school admits students only to the master's program because of the diversity of entering students' backgrounds. Demonstrated excellence is required in coursework and examinations before a student is allowed to enter the doctoral program. Admission of students with previous graduate

A student who fails any part of the examination must retake and pass that part at the end of summer term. Only one additional attempt is allowed.

Dissertation Prospectus

Within 9 months of completing the written comprehensive examination, a written dissertation prospectus which includes an annotated bibliography must be approved by the student's committee. The prospectus summarizes the student's work accomplished to date and gives an outline of research objectives for the dissertation project.

Proposition Presentation and Oral Defense

Within 18 months of completing the comprehensive examination, the student must submit an independently conceived and developed written proposal dealing with an original proposition unrelated to his or her dissertation research. This proposal is then presented orally and defended before the faculty. Oral evaluation of the student's general knowledge of polymer science is carried out concomitant with his or her defense of the proposal.

Continuous Enrollment Requirement.

Center for Science and Mathematics Education

Susan Ross, Director
Hattiesburg, MS 39406-5087
(601) 266-4739

Affiliates: A. Bedenbaugh, J. Bedenbaugh, Bellipanni, R. Cade, Cameron, Contreras, Cotten, Curry, Dunn, Feldman, Garraway, Hairston, Howell, Hudson, Huffman, Hughes, Johnson*, Kersh, Lochhead, Mattson, McKee, Pandey, Peggion, Pope, Ross, Russell, Scheetz, Scott, Sirochman, Simmons, J. Thrash, Walker, Walls, Wiesenburg, Willems*

**Associate Graduate Faculty*

The Center for Science and Mathematics Education, recognizing the national goal of improving the delivery of science instruction and the accompanying demand for individuals with advanced degrees in science education, provides programs for the Master of Science, Doctor of Philosophy, and Doctor of Education degrees in Science Education.

Master of Science Program

The program of study at the master's degree level is designed to increase the professional competency of science teachers and to provide the course work necessary to meet standards of teaching certification at this advanced level. The Master of Science Education degree is offered with an emphasis in biology, chemistry, earth and environmental sciences, or physics. The program

Program Requirements

The doctoral degree in science education requires a minimum of fifty-seven (57) semester hours of graduate work beyond the master's degree, excluding the hours for the dissertation and foreign language requirements, as specified below.

- (a) Twenty-four (24) semester hours in a content area with a minimum of 15 hours in an emphasis discipline.
- (b) Twenty-four (24) semester hours in science education including 3 semester hours of seminar, 3 semester hours of SME 691, with a maximum of 9 semester hours of SME 791 and a maximum of 3 semester hours of SME 792.
- (c) Nine (9) semester hours of electives to be chosen from science education, emphasis discipline, or related discipline and with a minimum of 3 hours in professional education

Research Tool(s)

Additional requirements include demonstrated proficiency in educational statistics, proficiency in a foreign language if pursuing the Ph.D., and independent research culminating in an acceptable dissertation. The research may focus on a problem in the student's emphasis area that is related to the teaching/learning of the discipline or a more general educational research problem.

Qualifying Exam

The department requires a written qualifying examination. This examination is designed to assess both the student's fitness to pursue doctoral work and to provide diagnostic information to the student's committee in planning a program. The student's program will be directed by a five-member graduate committee consisting of two faculty members affiliated with the center for Science and Mathematics Education, one from the emphasis discipline, one from educational research, and one open for selection according to the student's research focus. The committee will approve the student's program plan and dissertation prospectus, and conduct the comprehensive examination, which is administered near the completion of the student's course work. Upon acceptance of the dissertation by the student's committee and at least four weeks prior to graduation, a final oral examination in defense of the candidate's dissertation will be administered. Furthermore, it is required that a report presenting the candidate's research be prepared and submitted to a refereed journal for publication.

Residency

Students must meet the residency requirements specified in this *Bulletin*.

Continuous Enrollment Requirement.

Course Load

USM Gulf Coast course load requirements are identical to those for the Hattiesburg campus described elsewhere in this *Bulletin*.

Fees

(All fees are subject to change without notice)

One-half of a student's fees are due and payable at the time of registration. Fees deferred past the last day to register each semester will be billed monthly. A monthly service charge of 1.5% will be applied to the unpaid balance. MasterCard® and Visa® credit cards will be accepted.

Financial aid may be used to satisfy the minimum payment with the following exceptions: financial aid cannot be applied to prior balances, and work study or other forms of aid paid periodically to students may not be used to defer fees. All financial aid must be applied to fees before a refund can be made.

A general tuition level cap of \$1,708.00 has been set graduate students enrolled for 9-13 semester hours during the fall and spring semesters. Graduate students enrolled for more than thirteen (13) hours will be assessed \$190.00 for each additional hour.

Students who are not residents of Mississippi will be assessed an additional fee of \$189.00 per semester hour for undergraduates, \$251.00 per semester hour for graduates, up to a maximum of \$2,259.00.

Full-Time Student Tuition

Graduate
\$1,708.00
9-13 hrs.

Special Fees

Vehicle Registration (GP & JC)\$10.00
Late Registration Fee\$50.00

Calendar

The USM-Gulf Coast academic calendar and holidays follow the same schedule as the Hattiesburg Campus calendar found elsewhere in this ~~Bulletin~~ **CLASSES BEGIN(4663.6(FINAL EXAMS.....Bulletin)a)Tj46300**

COURSE DESCRIPTIONS

Accounting (ACC)

511. **Financial Accounting.** 3 hrs. Prerequisite: Computer literacy. Fundamentals of accumulating, reporting, and interpreting financial accounting information for internal and external uses. See also MBA 511.
512. **Seminar on Contemporary Accounting Topics.** 1.5 hrs. Selected readings and discussions of current accounting topics.
560. **Managerial Accounting.** 3 hrs. Prerequisite: ACC 511 or the equivalent. An analysis of the use of accounting information in managerial decision making. See also MBA 560.
598. **International Accounting Seminar Abroad.** 3 hrs. Prerequisite: Permission of Program Director. Conducted in London, England; a series of lectures and discussions involving authorities on international accounting issues and practices.
605. **Current Accounting Theory & Research.** 3 hrs. Prerequisites: 15 hours of accounting above accounting principles. A study of financial accounting literature and the use of data bases to solve contemporary accounting problems.
610. **Advanced Auditing.** 3 hrs. Prerequisites: 15 hours of accounting above accounting principles including ACC 409. A study of the professional practice of auditing and the role of theory, methodology, and technology.
620. **Advanced Cost/Managerial Accounting.** 3 hrs. Prerequisite: ACC 420. A study of the theory associated with, and systems and procedures designed to develop and integrate accounting data for management.
630. **Tax Seminar I.** 3 hrs. Prerequisite: ACC 330 or equivalent. Tax planning with emphasis on corporations, partnerships, tax option corporations, and tax administration and practice.
631. **Tax Seminar II.** 3 hrs. Prerequisite: ACC 630. Tax planning and research with emphasis on exempt entities, trusts and estates, transfer taxes, and the ethical responsibility of tax practice.
660. **Controllership.** 3 hrs. The interrelationship of the controller and modern information systems.
692. **Special Problems in Accounting.** 1-6 hrs. Individual study of specific topics in accounting.
699. **International Accounting Research Abroad.** 3 hrs. Prerequisite: Consent of Program Director. A research course in international accounting offered for students enrolled in ACC 598.

Adult Education (ADE)

540. **Methods and Materials in Adult Education.** 3 hrs. A course in method and format of instructional materials for adults with emphasis on self-instructional techniques.
541. **Foundations of Adult Literacy Instruction.** 3 hrs. This course involves an examination of the basis of reading instruction for the nonliterate adult.
542. **Methods and Materials for Adult Literacy Education.** 3 hrs. Instructional and diagnostic materials and methods for dealing with functionally illiterate adults.
545. **Teaching the Disadvantaged Adult.** 3 hrs. A study of the educational problems of culturally deprived and handicapped adults in terms of programs and procedures found to be successful.
576. **Learning in Adult Education.** 3 hrs. A study of learning in adulthood related to a range of educational programs.
578. **Specialized Studies in Developmental Disabilities.** 1-6 hrs. Specialized study and skill acquisition in the area of developmental disabilities. Topics vary.
580. **Applied Educational Gerontology.** 3 hrs. This course prepares individuals to design and implement educational programs for older adults.
590. **Special Problems in Adult Education.** 1-3 hrs. Special areas of interest arranged for an individual or a group with common interests.
597. **Professional Collaboration for Developmental Disability Services.** 3 hrs. Study of the interdependent contributions of relevant disciplines in training, service, and research.
601. **Foundations of Adult Education.** 3 hrs. A survey of the history, philosophies, form, structure, and current developments in the field of adult education.
602. **Organization and Administration of Adult Education.** 3 hrs. A survey of organizational and management theory as applied to adult education agencies. The case study approach is used.
603. **Human Resource Development as a Special Form of Adult Education.** 3 hrs. The course compares and contrasts human resource development in organizations to other more traditional forms of adult education.
607. **Program Planning and Curriculum Development in Adult Education.** 3 hrs. The design of programs and courses of study related to a wide variety of adult education agencies.
650. **Issues in Adult Education.** 3 hrs. Examination of contemporary issues related to the education and learning of adults in a seminar format.

688. **Medical Aspects of Developmental Disabilities.** 3 hrs. Medical conditions, diagnostic tests, and other health care issues relevant to individuals with developmental disabilities.
692. **Special Problems I, II, III.** 1-3 hrs. A study to develop knowledge and facility in a field of special interest to the student. Requires preparation of a scholarly paper under supervision of a graduate professor.
701. **Delivery Systems for Adult Education.** 3 hrs. Prerequisites: ADE 601 and ADE 607. Introduction and orientation to a variety of organizations and agencies responsible for conducting adult education programs.
737. **Practicum in Adult Education.** 3 hrs. A direct work experience in an adult education setting unrelated to student's employment.
741. **Assessment in Adult Education.** 3 hrs. Prerequisite: ADE 576, REF 601, or permission of instructor. Explore, develop, and evaluate various assessment methods and strategies used in adult education.
750. **Education and the Older Adult.** 3 hrs. A study of the elderly adult and the implications of those characteristics for adult education programs.
760. **Readings in Adult Education.** 3 hrs. Students select readings in the adult education literature for discussion in a seminar format.
791. **Research in Adult Education.** 1-16 hrs. Prerequisite: Approval of the major professor.
792. **Special Problems.** 3 hrs.
794. **Field Problems in Adult Education I, II, III.** 1-3 hrs. arr. A project dealing with a specific problem in an adult education agency. Registration must be approved by student's major professor and departmental chairman.
797. **Independent Study and Research.** 3 hrs. Hours arranged. Not to be counted as credit toward a degree. Students actively working on a dissertation, consulting with the major professor and/or using other resources of the University may enroll in this course. Students who are not in residence and are not enrolled in, at least, 3 hours of dissertation but who are actively working on a dissertation, consulting with the major professor, and/or using other resources of the University must enroll in this course for at least 3 hours each semester.
798. **Specialist Thesis.** 6 hrs. A field study or thesis type research study representing the major research component of the specialist's degree.
889. **Seminar in Adult Education.** 3 hrs. Seminar required for adult education doctoral students in residence. The focus is on the dissertation research process.
898. **Dissertation.** 12 hrs.

Administration of Justice (AJ)

700. **Qualitative Research and Analysis.** 3-6 hrs. A tutorial examining qualitative research methods, the principal theoretical literature of justice, and the role of qualitative methods in the student's area of study.
710. **Research and Analysis in Legal Inquiry.** 3-6 hrs. A tutorial examining legal research methods, the major holdings of jurists pertaining to justice administration, and the role of legal research in the student's area of study.
720. **Quantitative Research and Analysis.** 3-12 hrs. A tutorial examining quantitative research methods, the leading studies in justice administration, and the role of quantitative methods in the student's area of study.
721. **Applied Regression analysis in Justice Administration.** 3 hrs. Prerequisites: CJ 520, 625, 629, AJ 700, and consent of instructor. Advanced analysis in regression and discriminate function in justice administration.
740. **Administration of Justice.** 3 hrs. Prerequisite: CJ 535 or CJ 550. Survey of administration and management patterns in justice administration.
797. **Independent Study and Research.** 3-12 hrs. Hours arranged. Not to be counted as credit toward a degree. Students actively working on a dissertation, consulting with the major professor and/or using other resources of the University may enroll in this course. Students who are not in residence and are not enrolled in, at least, 3 hours of dissertation but who are actively working on a dissertation, consulting with the major professor, and/or using other resources of the University must enroll in this course for at least 3 hours each semester.
898. **Dissertation.** 1-12 hrs. Prerequisites: AJ 700, 710, 720 and completion of all doctoral cognates.

American Studies (AMS)

504. **Issues in America.** 3 hrs. Topics vary according to professor and department.
599. **British Studies: Anglo-American Studies.** 3-6 hrs. A seminar conducted in Great Britain under the auspices of the College of International and Continuing Education.

Anthropology (ANT)

516. **Ethnographic Field Methods.** 1-6 hrs. Methods of ethnographic fieldwork through participation in organized field studies. Permission of instructor required.

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520. **Culture and Ethnicity.** 3 hrs. An analysis of culture and ethnicity with special reference to the problem of modernization.
521. **Anthropological Theory.** 3 hrs. A general survey of historical anthropological thought and of the major contemporary schools of anthropological theory.
522. **Ecological Anthropology.** 3 hrs. An examination of human cultural strategies for adaptation to different environments.
523. **Economic Anthropology.** 3 hrs. The evolution of economic systems, cross-cultural analysis of economic systems, and the role of economic forces in cultural change.
- 525.

607. **Applied Anthropology.** 3 hrs. The application of anthropology to the solution of contemporary social and cultural problems.
621. **Seminar in Ethnology.** 3 hrs. A comprehensive examination of method and theory in contemporary sociocultural anthropology, focusing particularly on the problems of ethnographic production and comparative analysis.
631. **Seminar in Archaeology.** 3 hrs. An in-depth examination of the method and theory of anthropological archaeology.
641. **Seminar in Physical Anthropology.** 3 hrs. A comprehensive examination of the method and theory of physical anthropology.
651. **Seminar in Anthropological Linguistics.** 3 hrs. An in-depth examination of the method and theory of anthropological linguistics.
691. **Cooperative Internship in Archaeology.** 3-9 hrs. Prerequisites: Faculty approval. Supervised experience in specific professional settings arranged by the department with public agencies.
692. **Special Problems.** 1-3 hrs.
697. **Independent Study and Research.** Hours arranged. Not to be counted as credit toward a degree. Students actively working on a thesis, consulting with the major professor and/or using other resources of the University may enroll in this course. Students who are not in residence and are not enrolled in, at least, 3 hours of thesis but who are actively working on a thesis, consulting with the major professor, and/or using other resources of the University must enroll in this course for at least 3 hours each semester.
698. **Thesis.** 1-6 hrs. for a total of 6 hrs.
792. **Special Study Projects in Anthropology.** 1-6 hrs. Special projects in reading, survey, or research in anthropology.

Architectural Engineering Technology (ACT)

526. **Specifications.** 3 hrs. Prerequisite: Permission of instructor. An introduction to development and writing of architectural project specifications.
592. **Special Problems.** 1-3 hrs. Prerequisite: Senior standing and approval of faculty adviser.

Art (ART)

500. **The Art of Italy.** 3 hrs. An examination of art in Italy. A travel/study course.
513. **Crafts II.** 3 hrs. The creation and design of jewelry.
514. **Crafts III.** 3 hrs. The creation of surface designs for fabrics.
531. **Ancient Art History.** 3 hrs. Art of the ancient world from the beginning of civilization to the fourth century.
532. **Medieval Art History.** 3 hrs. Art of Europe from the fourth through fourteenth centuries.
533. **Northern Renaissance Art History.** 3 hrs. Art of Northern Europe during the fourteenth through sixteenth centuries.
534. **Italian Renaissance Art History.** 3 hrs. Art of Italy during the fourteenth through sixteenth centuries.
535. **Baroque and Rococo Art History.** 3 hrs. Art of Europe from the close of the sixteenth through the eighteenth centuries.
536. **Nineteenth Century Art History.** 3 hrs.
537. **Art 1900-1940.** 3 hrs. Prerequisite: ART 334. An analysis of Fauvism, Expressionism, Cubism, Futurism, Dada, and Surrealism.
538. **Art 1940-Present.** 3 hrs. Prerequisite: ART 334. An analysis of the many trends in art in the post World War II period.
550. **Studio Art for M.A.E. Students.** 3 hrs. With the permission of the studio instructor(s) students may choose from studio areas offered by the department. May be repeated.
- +570. **Individually Directed Problems in Printmaking.** 3 hrs. Prerequisite: *Study of appropriate printmaking media for advanced problems. May not be utilized to fulfill graduate degree requirements. May be repeated.
598. **British Studies, Art History.** 3 or 6 hrs. Variable content. Lecture series and research offered abroad under the auspices of the College of International and Continuing Education.
599. **British Studies, Art Studio.** 3 or 6 hrs. Variable content. Studio series offered abroad under the auspices of the College of International and Continuing Education.
600. **Studio Foundations.** 3 hrs. A review, through studio problems, of some fundamental problems of plastic expression. Hours earned may not be used to fulfill degree requirements. Repetition may be required.
601. **Drawing Studio.** 3 hrs. Form problems in drawing. Professional level of performance with intense criticism. Permission of instructor and department chair required for admission.
- 602.
601. **Drawing Studio.** 3 hrs. Form problems in drawing. Professional level of performance with intense criticism. Permission

615. **Trends in Current Plastic Expression.** 3 hrs. A course designed to keep the student abreast of current trends in the plastic arts.
620. **Adapting Selected Current Art Trends to School Practice.** 3 hrs. Current art trends are identified and selections of them are developed in terms of philosophies, practitioners, background, and techniques.
621. **Painting Studio.** 3 hrs. Form problems in painting. Professional level of performance with intense criticism. Permission of instructor and department chair required for admission.
622. **Painting Studio.** 3 hrs. Form problems in painting. Professional level of performance with intense criticism. Permission of instructor and department chair required for admission.
623. **Painting Studio.** 3 hrs. Form problems in painting. Professional level of performance with intense criticism. Permission of instructor and department chair required for admission.
631. **Directed Museum and Gallery Tour.** 1-3 hrs. Tour of museums and galleries for the purpose of viewing and studying original works.
- +651. **Ceramics Studio.** 3 hrs. Permission of instructor and department chair required for admission.
- +652. **Ceramics Studio.** 3 hrs. Permission of instructor and department chair required for admission.
- +653. **Ceramics Studio.** 3 hrs. Permission of instructor and department chair required for admission.
- +661. **Sculpture Studio.** 3 hrs. Permission of instructor and department chair required for admission.
- +662. **Sculpture Studio.** 3 hrs. Permission of instructor and department chair required for admission.
- +663. **Sculpture Studio.** 3 hrs. Permission of instructor and department chair required for admission.
- +671. **Printmaking Studio.** 3 hrs. Prerequisite: * and **. Intensive graduate study and criticism in advanced printmaking problems.
- +672. **Printmaking Studio.** 3 hrs. Prerequisite: * and **. Intensive graduate study and criticism in advanced printmaking problems.
- +673. **Printmaking Studio.** 3 hrs. Prerequisite: * and **. Intensive graduate study and criticism in advanced printmaking problems.
680. **Workshop in Art.** 1-3 hrs. Art experiences with variable content. May be repeated.
701. **Drawing Studio.** 3 hrs. Form problems in drawing. Professional level of performance with intense criticism. Permission of instructor and department chair required for admission.
702. **Drawing Studio.** 3 hrs. Form problems in drawing. Professional level of performance with intense criticism. Permission of instructor and department chair required for admission.
703. **Drawing Studio.** 3 hrs. Form problems in drawing. Professional level of performance with intense criticism. Permission of instructor and department chair required for admission.
721. **Painting Studio.** 3 hrs. Form problems in painting. Professional level of performance with intense criticism. Permission of instructor and department chair required for admission.
722. **Painting Studio.** 3 hrs. Form problems in painting. Professional level of performance with intense criticism. Permission of instructor and department chair required for admission.
723. **Painting Studio.** 3 hrs. Form problems in painting. Professional level of performance with intense criticism. Permission of instructor and department chair required for admission.
731. **Seminar.** 1 hr. Seminar in Art issues.
732. **Seminar.** 1 hr. Seminar in Art issues.
733. **Seminar.** 1 hr. Seminar in Art issues.
739. **Directed Study in Art History/Criticism.** 1-6 hrs. for a total of six hours.
- +751. **Ceramics Studio.** 3 hrs. Permission of instructor and department chair required for admission.
- +752. **Ceramics Studio.** 3 hrs. Permission of instructor and department chair required for admission.
- +753. **Ceramics Studio.** 3 hrs. Permission of instructor and department chair required for admission.
- +761. **Sculpture Studio.** 3 hrs. Permission of instructor and department chair required for admission.
- +762. **Sculpture Studio.** 3 hrs. Permission of instructor and department chair required for admission.
- +763. **Sculpture Studio.** 3 hrs. Permission of instructor and department chair required for admission.
- +771. **Printmaking Studio.** 3 hrs. Prerequisite: * and **. Intensive graduate study and criticism in advanced printmaking problems.
- +772. **Printmaking Studio.** 3 hrs. Prerequisite: * and **. Intensive graduate study and criticism in advanced printmaking problems.
- +773. **Printmaking Studio.** 3 hrs. Prerequisite: * and **. Intensive graduate study and criticism in advanced printmaking problems.

+799. **Creative Project.** 6 hrs. An individually motivated, sustained project of original art works demonstrating professional competence and stature, culminating in an exhibition. Oral and written proposal and defense required.

Art Education (ARE)

526L. **Introductory Mycology Laboratory.** 1 hr. Corequisite for BSC 526.

527. **Introductory Phycology.** 2 hrs. Prerequisite: Consent of instructor. Taxonomy, physiology, and biochemistry of the

546. **Aquaculture.** 2 hrs. Prerequisites: 12 hours of biology and 8 hours of chemistry. Production of aquatic organisms in natural and artificial environments.
- 546L. **Aquaculture Laboratory.** 1 hr.
547. **Marine Aquaculture.** 3 hrs. Problems and procedures relating to the culture of commercially important crustaceans, fish, and mollusks. May be taken as COA 524 or MAR 507.
- 547L. **Marine Aquaculture Laboratory.** 3 hrs. Corequisite for BSC 547. May be taken as COA 524L or MAR 507L.
548. **Fauna and Faunistic Ecology and Tidal Marshes.** 2 hrs. Taxonomy, distribution, trophic relationships, reproductive strategies and adaptation of tidal marsh animals. May be taken as COA 547 or MAR 506.
- 548L. **Fauna and Faunistic Ecology of Tidal Marshes Laboratory.** 3 hrs. Corequisite for BSC 548. May be taken as COA 547L or MAR 506L.
549. **Marine Fisheries Management.** 2 hrs. Prerequisite: statistics recommended. A statistical review of the world fisheries. May be taken as COA 516 or MAR 510.
- 549L. **Marine Fisheries Management Laboratory.** 2 hrs. Corequisite for BSC 549. May be taken as COA 516L or MAR 510L.
550. **General Physiology.** 3 hrs. Organismic function and the adaptations which characterize major animal groups.
551. **Mammalian Physiology.** 3 hrs. The functions of mammalian systems; interrelationships and regulation are emphasized.
552. **Environmental Physiology.** 3 hrs. Physiological adaptations enabling animals to meet environmental challenges.
553. **Invertebrate Physiology.** 3 hrs. A functional approach to the major invertebrate phyla.
- 554L. **Physiology Laboratory.** 2 hrs. Experimental techniques in physiology. To be taken once only, as an optional laboratory with BSC 550, BSC 551, BSC 552, or BSC 553.
555. **Animal Behavior.** 3 hrs. Classical and current concepts of animal behavior including individual and social behavioral patterns.
- 555L. **Animal Behavior Laboratory.** 1 hr.
- 556L. **Laboratory Techniques in Behavioral Neuroscience.** 3 hrs. Prerequisite: Consent of instructor. Experimental

569. **Developmental Biology.** 3 hrs. A comprehensive survey of the experimental, genetic, and molecular analysis of processes that occur during the development of complex organisms.
571. **Advanced Genetics.** 2 hrs. Prerequisite: BSC 370 or 475 or 575. A continuation of BSC 370.
- 571L. **Advanced Genetics Laboratory.** 2 hrs. Corequisite for BSC 571. Laboratory exercises to illustrate basic genetic principles.
572. **Population Genetics.** 3 hrs. Prerequisite: BSC 370 or consent of instructor. The process of evolutionary change.

793. **Research in Zoology.** 1-6 hrs.
795. **Research in Genetics.** 1-9 hrs.
796. **Research in Microbiology.** 1-9 hrs.
797. **Independent Study and Research.** Hours arranged. Not to be counted as credit toward a degree. Students actively working on a dissertation, consulting with the major professor and/or using other resources of the University may enroll in this course. Students who are not in residence and are not enrolled in, at least, 3 hours of dissertation but who are actively working on a dissertation, consulting with the major professor, and/or using other resources of the University must enroll in this course for at least 3 hours each semester.
861. **Gross Anatomy.** 3 hrs.
- 861L. **Gross Anatomy Laboratory.** 2 hrs.
864. **Electron Microscopy.** 1 hr. Theory and use of the electron microscope, ultramicrotome, and associated specimen preparation. (May be taken as PSC 880 or 881)
- 864L. **Electron Microscopy Laboratory.** 2 hrs. Corequisite for BSC 864. Practical use of the electron microscope and ultramicrotome. Introduction to specimen preparation and darkroom techniques.
889. **Environmental Microbiology.** 3 hrs.
898. **Dissertation.** 12 hrs.

Business Technology Education (BTE)

552. **History and Philosophy of Vocational Education.** 3 hrs. For business and distributive education teachers. History, concepts, trends, occupations, employment opportunities, procedures, and techniques.
553. **Techniques of Coordination.** 3 hrs. Techniques and procedures used in coordinating office occupations and DE programs.
554. **Methods and Materials in Teaching Distributive Education.** 3 hrs. Principles, concepts, program plans, curricula, methods and materials, activities, research, and evaluation.
555. **Organization and Administration of Distributive Education.** 3 hrs. Basic problems, objectives, and characteristics of DE programs as applied in their development.
560. **Administrative Office Management.** 3 hrs. Principles of management; office organization, procedures, and supervision; layout, supplies, machines, personnel, forms, reports, and services.
561. **Information Processing I.** 3 hrs. Instruction and practice using the computer as a tool. Word processing, spreadsheet, and Internet application software is used.
563. **Information Processing II.** 3 hrs. Instruction and practice using the computer as a tool. Multi-media presentations, database, and Internet software is used.
565. **Microcomputers in Business Education.** 3 hrs. Skill development in use of multiple software packages relative to business education.
577. **Medical Transcription.** 3 hrs. Prerequisites: BET 102 or equivalent and 108. Emphasis on medical terminology, records, and forms with transcription from tapes.
578. **Advanced Medical Transcription.** 3 hrs. Prerequisite: BET 577. Emphasis on additional medical terminology, with increased emphasis on transcription.
579. **Review for the Certified Professional Secretary Examination.** 3 hrs. Preparation for CPS Examination. Does not count as credit toward a degree.
580. **Research and Report Writing.** 3 hrs. Concepts and methods of business research and style; problems in researching and reporting business data in written form.
592. **Special Problems.** 1-6 hrs. Study approved and directed by the department chairman.
602. **Concepts and Practices in Word Processing.** 3 hrs. To acquaint business teachers with word processing equipment and provide an overview of evolving concepts and practices in word processing, including the use of computers in WP, with "hands-on" keyboarding application. Laboratory included.
608. **Curricula in Business Education.** 3 hrs. Factors influencing curriculum construction; content organization, instructional materials, and techniques.
651. **Principles of Business Education.** 3 hrs. Junior high through university programs; guidance; qualifications and professional activities of teachers; and public relations.
652. **Seminar in Business Education.** 3 hrs. An intensive study of specific problems in business education, and a survey of literature pertaining to the problems.
653. **Improvement of Instruction in Nonskill Subjects.** 3 hrs. Methodology, instructional materials, evaluation, and review of significant research in the nonskill subjects of bookkeeping, basic business, and consumer economics.

655. **Improvement of Instruction in Skills Subjects.** 3 hrs. Teaching procedures, instructional materials, measurement of skills, standards of achievement, and review of related research in typewriting, shorthand, and transcription.

669.

697. **Independent Study and Research.** Hours arranged. Not to be counted as credit toward a degree. Students actively working on a thesis, consulting with the major professor and/or using other resources of the University may enroll in this course. Students who are not in residence and are not enrolled in, at least, 3 hours of thesis but who are actively working on a thesis, consulting with the major professor, and/or using other resources of the University must enroll in this course for at least 3 hours each semester.
698. **Thesis.** 1-6 hrs. for a total of 6 hrs. Prerequisite: Consultation with and permission of major professor.
702. **Photochemistry.** 3 hrs. Prerequisite: CHE 651 or permission of instructor. An introduction to the physical and chemical properties of the excited state.
711. **Analytical Spectroscopy.** 3 hrs. Prerequisite: CHE 411. Quantitative determinations by I.R., visible, U.V., and x-ray spectroscopy techniques including atomic emission and absorption.
713. **Analytical Separations.** 3 hrs. Prerequisite: Permission of instructor. Gas, ion exchange, and thin layer chromatography; precipitation and crystallization; zone refining and electromigration.
719. **Current Topics in Analytical Chemistry.** 3 hrs. Prerequisite: Permission of instructor. Current topics of interest such as electroanalytical chemistry, instrumentation, chemometrics, new spectroscopic methods, etc.
721. **Proteins.** 3 hrs. Prerequisite: CHE 521 or permission of instructor. Protein purification, methods of primary, secondary, and tertiary structure determinations, and the relationship between structure and biological activities.
722. **Physical Biochemistry.** 3 hrs. Prerequisite: CHE 521. Application of physical-chemical methods to the study of biological macromolecules.
723. **Enzymes.** 3 hrs. Prerequisite: CHE 521. Mechanisms of enzyme action, and the kinetics, regulation, and synthesis of enzymes.
725. **Lipids.** 3 hrs. Prerequisite: Permission of instructor. Study of the structure, functions, and metabolism of lipids.
726. **Hormone Biochemistry.** 3 hrs. Prerequisite: Permission of instructor. The structure, biosynthesis, secretion, regulation, and mode of action of hormones.
729. **Current Topics in Biochemistry.** 3 hrs. Prerequisite: Permission of instructor. Topics of current interest in biochemistry

822. **Nucleic Acid and Protein Synthesis.** 3 hrs. Prerequisite: CHE 621 or permission of instructor. Protein and nucleic acid biosynthesis, with emphasis on biological control mechanisms.
831. **Organometallic Compounds.** 3 hrs. Prerequisites: CHE 631 and 651 or permission of instructor. The preparation, structure, physical properties and chemical reactions of compounds containing carbon-metal and carbon-metalloid bonds.
851. **A Survey of Heterocyclic Chemistry.** 3 hrs. Prerequisite: CHE 651. Nomenclature, synthesis, and reactions of the more common heterocyclic system.
861. **Special Topics in Quantum Chemistry.** 3 hrs. Prerequisite: CHE 661. Topics of current interest in quantum chemistry such as magnetic resonance, electron spectroscopy, etc.
862. **Chemical Kinetics.** 3 hrs. Experimental techniques of measuring chemical reaction rates and the mathematical treatment of rate data.
898. **Dissertation.** 12 hrs.

Child Development (CD)

550. **Administration of Programs for Young Children.** 3 hrs. Prerequisite: 3 hrs. in Child Development. Evaluation of policies and procedures; organizational structure and management will be emphasized.
551. **Infant Development.** 2 hrs. Corequisite: CD 551L. Emphasis will be given to the development and behavior of the infant.
- 551L. **Infant Development Laboratory.** 1 hr. Corequisite: CD 551. A laboratory for studying the growth, development, and behavior of infants and toddlers.
552. **Child Development Methods and Materials.** 2 hrs. Prerequisite: Permission of Instructor. Corequisite: 552L. Provisions are made to evaluate and select materials for use in developing teaching techniques and planning developmentally appropriate play activities for children.
- 552L. **Child Development Methods and Materials Laboratory.** 1 hr. Corequisite: CD 552. A laboratory for evaluating and selecting materials, developing teaching techniques, and planning developmentally appropriate programs for young children.
553. **Creativity in Young Children.** 2 hrs. Corequisite: CD 553L. A study of creative activities for preschool children.
- 553L. **Creative Activities for the Preschool Child Laboratory.** 1 hr. Corequisite: CD 553. A laboratory for the study and application of developmentally appropriate creative activities for young children.
555. **Supervised Participation.** 6 hrs. Prerequisite: CD 452. Directed participation in programs for young children.
578. **Specialized Studies in Developmental Disabilities.** 1-6 hrs. Specialized study and skill acquisition in the area of developmental disabilities. Topics vary.
- 5985.

Coastal Sciences (COA)

505. **Marine Chemistry.** 3 hrs. Prerequisites: biology, chemistry, calculus, and analytic geometry, or permission of instructor. Corequisite: COA 505L. Sea water chemistry and cycles and their impact on the marine environment. May be taken as MAR 541.
- 505L. **Marine Chemistry Laboratory.** 1 hr. Corequisite for COA 505. A laboratory designed to accompany COA 505. May be taken as MAR 541L.
506. **Environmental Estuarine Chemistry.** 3 hrs. Prerequisites: biology, organic chemistry, calculus, and analytic geometry, or permission of instructor. Corequisite: COA 506L. Sources, reactions, transport, fate and effects of environmental chemical species in aquatic environments with special emphasis on estuaries. May be taken as MAR 543.
- 506L. **Environmental Estuarine Chemistry Laboratory.** 1 hr. Corequisite: COA 506. A laboratory designed to accompany COA 506. May be taken as MAR 543L.
509. **Coastal Marine Geology.** 3 hrs. Prerequisite: 12 hours in geology. A study of inshore and nearshore geological processes, sedimentation patterns and landform development. May be taken as MAR 582.
516. **Marine Fisheries Management.** 2 hrs. Prerequisite: Statistics recommended. Corequisite: COA 516L. A statistical review of the world fisheries. May be taken as BSC 549 or MAR 510.
- 516L. **Marine Fisheries Management Laboratory.** 2 hrs. Corequisite: COA 516. May be taken as BSC 549L or MAR 510L.
517. **Field and Laboratory Techniques in Marine Fisheries Science.** 3 hrs. Prerequisite: Consent of instructor. Fishery survey design, field techniques, and lab procedures for graduate students. Includes research cruises in offshore and inshore waters.
521. **Marine Ichthyology.** 3 hrs. Corequisite: COA 521L. Marine fishes, including fish biology, ecology, evolution, and classification of marine and estuarine fishes. May be taken as BSC 558 or MAR 508.
- 521L. **Marine Ichthyology Laboratory.** 3 hrs. Corequisite: COA 521. May be taken as BSC 558L or MAR 508L.
524. **Marine Aquaculture.** 3 hrs. Corequisite: COA 524L. An introduction to principles and technologies applied to the culture of commercially important marine organisms. May be taken as BSC 547 or MAR 507.
- 524L. **Marine Aquaculture Laboratory.** 3 hrs. Corequisite: COA 524. May be taken as BSC 547L or MAR 507L.
528. **Marine Invertebrate Zoology.**

553. **Parasites of Marine Animals.** 3 hrs. Corequisite: COA 553L. Prerequisites: permission of instructor. Emphasis on

898. **Dissertation.** 12 hours. Prerequisite: Permission of instructor.

Community Health Sciences (CHS)

508. **Health Education Methods.** 3 hrs. A survey of teaching methods that are appropriate for health education program delivery.
510. **School Health Education Planning.** 3 hrs. Diagnostic phases preceding program development, skills in planning, organization, and implementation of school health education programs.
511. **Health Education Curriculum Development.** 3 hrs. Coordination of curriculum development, content selection, and scope and sequence.
512. **Measurement and Evaluation in Health Education.** 3 hrs. Prerequisite: CHS 509 or CHS 510. An introduction to measurement techniques and methods for evaluating health programs.
514. **Consumer Health.** 3 hrs. The importance of consumer education as related to advertising theory and methods, health misconceptions, health services, medical quackery and health products.
515. **School Health Program.** 3 hrs. Organization and operation of school health programs with emphasis on instruction, environment, and services.
520. **Communicable and Chronic Disease in Man.** 3 hrs. Problems, control programs, and prevention of communicable and chronic disease.
522. **Drugs and the Whole Person.** 3 hrs. Psychosocial, medical, legal, and health aspects of drugs (including alcohol) and their abuse.
530. **Human Sexuality.** 3 hrs. Physical, emotional, and social aspects of human sexuality.
531. **Sexuality Education.** 3 hrs. Theory, methods, and materials for planning, organizing, and implementing sexuality in school and community settings.
536. **Stress Management Techniques.** 3 hrs. Theory and application of primary prevention strategies in stress management programs.
537. **Health Education in Clinical Settings.** 3 hrs. Analysis of the role, methods and technology of health education pertaining to health care clinics and patient education.
540. **Introduction to Biostatistics.** 3 hrs. Introduction to basic concepts of descriptive and inferential statistical methods in health sciences.
578. **Specialized Studies in Developmental Disabilities.** 1-6 hrs. Specialized study and skill acquisition in the area of developmental disabilities. Topics vary.
590. **Special Topics.** 1-3 hrs.
597. **Professional Collaboration for Developmental Disability Services.** 3 hrs. Study of the interdependent contributions of relevant disciplines in training, service, and research.
598. **Families of the Developmentally Disabled.**

638. **Workplace Health Promotion.** 3 hrs. Study of health education theory and practice as applied to occupational health.

640. **Traffic Systems Management.** 3 hrs. An overview of agencies and systems involved in the management of vehicular traffic.

571. **Small Computer Systems.** 3 hrs. Prerequisite: CET 501. A study of control units, arithmetic units, memories, and microprogramming concepts.
- 571L. **Small Computer Systems Laboratory.** 1 hr. Corequisite: CET 571.
572. **Advanced Programmable Logic Circuits.** 3 hrs. Corequisite: CET 572L. Fundamentals and applications of synchronous and asynchronous design through the use of advanced VLSI programmable logic devices.
- 572L. **Programmable Logic Circuits Laboratory.** 1 hr. Corequisite: CET 572.
574. **Switching Circuits.** 3 hrs. Prerequisite: Permission of instructor. The design and analysis of synchronous and asynchronous state machines and their implementation in PALs, GALs, FPGAs, and other switching circuits.
577. **Introduction to Control Systems Technology.** 3 hrs. Prerequisites: CET 323 and EET 312. Corequisite: CET 577L. Fundamental control system theory and applications; servomechanisms; process control; controllers, measurements and instrumentation.
- 577L. **Introduction to Control Systems Technology Laboratory.** 1 hr. Corequisite: CET 577.
578. **Digital Control Systems.** 2 hrs. Prerequisite: CET 571. Design of control systems incorporating a computer as an on-line element. Design of control algorithms and introduction to optimal control.
- 578L. **Digital Control Systems Laboratory.** 1 hr. Corequisite CET 578.
592. **Special Problems.** 1-3 hrs. Supervised study in the area of computer engineering technology.
620. **Advanced Microcontroller Applications.** 3 hrs. Course covers advanced real-time programming and interfacing techniques. Applications will emphasize sensor interface circuits/systems for data acquisition, positioning, and control.

Computer Science and Statistics (CSS)

500. **Introduction to Computer Education.** 3 hrs. Introduction to concepts, techniques, materials, and resources for teaching computer science concepts, problem solving and programming relative to computer literacy. Research and presentations related to computer science education.
501. **Computer Skills for Research.** 3 hrs. Prerequisite: CSS 240. Editing of data files, computer system utilization, use of BMD, SPSS, MINITAB for processing research data. Cannot be used to satisfy Computer/Computational Science M.S. requirements.
502. **Structured Basic Programming.** 3 hrs. Prerequisite: CSS 500. Technical presentation of BASIC with scientific problem solving, algorithms and introduction to data structures. Cannot be used to satisfy Computer/Computational Science M.S. requirements.
503. **Authoring Systems for Computer Based Learning.** 3 hrs. Prerequisite: CSS 500. Developing computer based instructional modules utilizing the authoring system approach. Cannot be used to satisfy Computer/Computational Science M.S. requirements.
504. **Internet Concepts.** 3 hrs. Prerequisite: basic computer literacy. Introduction to the information superhighway via the Internet. Cannot be used to satisfy Computer/Computational Science M.S. requirements.
505. **Advanced Internet: CGI Programming.** 3 hrs. Prerequisites: Knowledge of the Internet, basic HTML, some high level programming language. Basic review of WWW and HTML, forms and forms processing, CGI programming, Java programming, VRML, security, and privacy issues.
- 515.

545L. **Soils and Foundations Laboratory.** 1 hr.

546. **Hydraulics and Surface Drainage.** 2 hrs. Prerequisite: BCT 544. Corequisite: BCT 546L. Hydraulic analysis and design of urban, highway, airport, and watershed drainage problems, discussion of overload and drainage channel flows, hydraulics of storm-drain systems and culverts, determination of design flow of runoff from drainage from highways, airports, and urban areas, design of drainage gutters, channels, sewer networks, and culverts.

546L. **Hydraulics and Surface Drainage Laboratory.** 1 hrs. Corequisite: BCT 546.

554. **Estimating I.** 3 hrs. Prerequisite: Permission of instructor. Corequisite: BCT 554L. Material quantity survey techniques

561. **Juvenile Corrections.** 3 hrs. Course provides the student interested in juvenile corrections with an in-depth perspective of the numerous treatment modalities currently in use.
563. **Family Law.** 3 hrs. An in depth study of common law and statutory law relating to the family emphasizing legal remedies to violence and its effects on the criminal justice system.
564. **Family Violence, Investigation, and Deterrence.** 3 hrs. A study of child and spouse abuse within the family emphasizing detection, investigation, and deterrence.
570. **Political Economy of Criminal Justice.** 3 hrs. A study of the politics and economics of crime and justice.
571. **Victims of Crime.** 3 hrs. Provides an in-depth study of factors that affect the victims of crime. Specific crimes are studied and remedies explored.
572. **Organized Crime.** 3 hrs. A course to familiarize students with the evolution, typology, and etiology of organized crime in the United States.
575. **Private Security: Law and Loss Prevention.** 3 hrs. Basic concepts of the private security industry and the law that controls and directs the profession.
580. **Seminar in Criminal Justice.** 3 hrs. A seminar course dealing with all aspects of the criminal justice system, tying together the knowledge of criminal justice previously learned.
582. **Criminal Justice Ethics.** 3 hrs. An examination of the myriad ethical dilemmas that arise in the criminal justice system, and of tools for nurturing an ethical life.
589. **Caribbean Studies.** 3 hrs. A comparative study of criminal law, courts, and corrections through lectures, field exercises, and research.
598. **British Studies: Comparative Criminal Jurisprudence.** 3-6 hrs. A comparative study abroad of criminal law, courts, and procedures.
599. **British Studies: Comparative Drug Law.** 3-6 hrs. A comparative study of the instructional responses to drug abuse and related criminal offenses and an analysis of their differences.
600. **Seminar in Theory of Criminal Justice.** 3 hrs. Prerequisites: CJ 325 or equivalent, and consent of instructor. An intensive examination of the theory of justice generally, and of corrective justice in particular, exploiting the published works of leading thinkers from Plato to the present.
620. **Advanced Research Methods for Criminal Justice.** 3 hrs. Prerequisite: CJ 520 or consent of instructor. Research theory and methodology in Criminal Justice, research designs, conceptual models, design and preparation of Master's thesis prospectus.
625. **Seminar in Criminal Justice Planning and Research.** 3 hrs. Prerequisites: A basic statistics course or its equivalent and consent of instructor. A study of criminal justice planning methodology and research requirements.
630. **Seminar in Civil Liberties and Criminal Law.** 3 hrs. A study of the legal and moral responsibility of the criminal justice system to individual rights.
631. **Seminar in Anglo-American Criminal Law and Procedure.** 3 hrs. A detailed study of topics in English criminal law and procedure oriented toward understanding the basis of American criminal justice and solutions to common problems.
640. **Proseminar in Police Administration.** 3 hrs. A study of legal issues involved in the administration of a modern police agency.
650. **Proseminar in Corrections.** 3 hrs. An analysis of comparative treatment methodologies utilized by correctional programs throughout the United States and in Europe.
660. **Seminar in Juvenile Law.** 3 hrs. Prerequisite: CJ 460/560 or approval of professor. An in-depth study of specific problems in the law pertaining to battered, neglected and delinquent children and their families.
692. **Special Problems.** 1-3 hrs. Permission of instructor.
697. **Independent Study and Research.** Hours arranged. Not to be counted as credit toward a degree. Students actively working on a thesis, consulting with the major professor and/or using other resources of the University may enroll in this course. Students who are not in residence and are not enrolled in, at least, 3 hours of thesis but who are actively working on a thesis, consulting with the major professor, and/or using other resources of the University must enroll in this course for at least 3 hours each semester.
698. **Thesis.** 1-6 hrs. for a total of 6 hrs.
699. **Seminar in Advanced Topics in Comparative Criminal Justice.** 3 hrs. Prerequisite: CJ 426/526 or approval of professor. Study abroad of selected topics of foreign criminal justice systems. Emphasis is on theory.

Curriculum and Instruction: Elementary (CIE)

503. **Kindergarten-Primary Education.** 3 hrs. A practicum designed to give teaching experiences in understanding the social, emotional, and cognitive growth and development of children.
540. **Supervision for Effective Student Teaching**

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542. **Computational Errors in Elementary Mathematics.** 1 hr. The identification and remediation of pupil errors in addition, subtraction, multiplication, and division of whole numbers.
578. **Specialized Studies in Developmental Disabilities.** 1-6 hrs. Specialized study and skill acquisition in the area of developmental disabilities. Topics vary.
594. **Learning Resources in Early Childhood Education.** 3 hrs. Students will become acquainted with learning sources, selection, use and production of multimedia materials for kindergarten and primary education.
595. **British Studies in Early Childhood Education.** 1-6 hrs. Compares and contrasts the philosophies and current trends of American and British early childhood education.
598. **Families of the Developmentally Disabled.** 3 hrs. Interdisciplinary approach to the study of families of the developmentally disabled.
599. **British Studies: Studies in British Education.** 1-6 hrs. Lectures dealing with education in British education.

727. **Diagnostic Techniques in Elementary Mathematics.** 3 hrs. Varied data sources which serve the diagnostic teaching cycle are investigated.

728.

591. **The Reading Conference.** 3 hrs. An intensive program consisting of lectures, group discussion and demonstration lessons. Only three hours may be used for degree purposes.
622. **Supervision and Curriculum in Reading.** 3 hrs. The role of reading supervisors and school administrators in developing and implementing programs for improvement of reading instruction in the schools.
691. **Research in Reading.** 1-16 hrs. Designed to provide a student with the opportunity to pursue an individual research project or to make an intensive review of reading research on a selected topic.
705. **Modern Concepts in Reading Skill Development.** 3 hrs. An intensive development of the skills required in classroom reading emphasizing methods and materials required to teach the skills.
706. **Psychology of Reading.** 3 hrs. Considers the components of the reading process, with emphasis on language and reading approached from a theoretical point of view.
713. **Advanced Diagnosis and Remediation of Reading Disability for the Classroom Teacher.** 3 hrs. Prerequisite: CIE 706. Deals with corrective and remedial reading in the elementary school covering causes of disability, procedures in diagnosis, and classroom remedial treatment.
715. **Advanced Diagnosis and Remediation of Reading Disability for the Reading Specialist.** 3 hrs. Prerequisite: CIE 706. Deals with the role of the reading specialist, reading clinic organization, diagnostic remedial materials and techniques, with limited testing-teaching and clinical observation experiences.
721. **Practicum in Remedial Reading for the Reading Specialist.** 3 hrs. Prerequisite: CIE 715. Provides supervisory experiences in diagnosis in prescribing materials for remediation and in directing remedial reading procedures for small groups of reading disability cases.
729. **Reading in the Elementary School.** 3 hrs. Provides for extensive study of recent trends in materials and methods in reading in the elementary school including significant related research studies.
730. **Reading and Study Improvement Techniques for the Junior and Senior College Teacher of Reading.** 3 hrs. Summarizes research, methods, and techniques of college reading programs.
733. **Practicum in Diagnosis and Remediation of Reading Disability for the Classroom Teacher.** 3 hrs. Prerequisite: CIE 713. Develops the skills necessary in making a complete reading diagnosis including evaluations, interpretations, and recommendations.
736. **Practicum in Reading Diagnosis.** 3 hrs. Prerequisite: CIE 713. Enables the student to work with small groups of corrective reading cases diagnosing needs and teaching corrective lessons.
737. **Practicum in Remedial Reading Instruction.** 3 hrs. Provides the student experiences in secondary reading diagnosis and remediation with emphasis on techniques in a practicum setting.
754. **Reading in the Secondary Schools.** 3 hrs. A course providing for extensive study of trends in materials and methods in secondary school reading including significant research studies which relate to these.
785. **Seminar in Reading Instruction.** 3 hrs. Prerequisites: CIE 705, CIE 706, CIE 729. Considers topics pertinent to current research in reading instructions. Topics announced in advance of registration.

Curriculum and Instruction: Secondary (CIS)

540. **Supervision for Effective Student Teaching.** 1 hr. Introduction to the University of Southern Mississippi's student teaching program and the roles and responsibilities of associated personnel.
542. **Methods and Materials for Teaching Adults to Read.** 3 hrs. Instructional and diagnostic materials and methods for dealing with functionally illiterate adults.
570. **Curriculum in the Secondary School.** 2 hrs. A course which examines the present-day structure and nature of the secondary school curriculum.
578. **Specialized Studies in Developmental Disabilities.** 1-6 hrs. Specialized study and skill acquisition in the area of developmental disabilities. Topics vary.
598. **Families of the Developmentally Disabled.** 3 hrs. Interdisciplinary approach to the study of families of the developmentally disabled.
599. **British Studies: Studies in British Education.** 1-3 hrs.
600. **Foundations of Multicultural Education.** 3 hrs. Examines the affective and theoretical dimensions of pedagogy appropriate for culturally and linguistically diverse students with emphases on research, current social and educational issues, and strategies for teaching tolerance.
603. **Management and Organization of Diverse Classrooms.** 3 hrs. Develops knowledge, skills, and attitudes required for teaching students from diverse backgrounds, emphasizing classroom management, organization, and discipline.
605. **The Process of National Board Teacher Certification.** 3-6 hrs. Provides opportunities to analyze and apply National Board for Professional Teaching Standards in the student's content area using the reflective process. Three hours may be taken at the pre-candidate level and/or three hours may be taken at the candidate level.

615. **Student Discipline Techniques and Procedures for Teachers and Administrators.** 3 hrs. Provides a comprehensive overview of strategies for disciplining students.
616. **Teacher/Administrator Legal Rights and Responsibilities.** 3 hrs. Provides a comprehensive overview of the legal rights and responsibilities for teachers and administrators.
688. **Medical Aspects of Developmental Disabilities.** 3 hrs. Medical conditions, diagnostic tests, and other health care issues relevant to individuals with developmental disabilities.
692. **Special Problems I, II, III.** 1 hr. each. A problem study to be approved by the department chairman to develop knowledge and facility in the field of interest of the student. Preparation of a scholarly paper is required.
694. **Field Problems.** 3 hrs. Prerequisite: Approval of the department chairman. This course provides students with an opportunity to study local school problems in a field setting under the supervision of a graduate professor.
697. **Independent Study and Research.** Hours arranged. Not to be counted as credit toward a degree. Students actively working on a thesis, consulting with the major professor and/or using other resources of the University may enroll in this course. Students who are not in residence and are not enrolled in, at least, 3 hours of thesis but who are actively working on a thesis, consulting with the major professor, and/or using other resources of the University must enroll in this course for at least 3 hours each semester.
698. **Thesis.** 3 hrs. Credit deferred until thesis is completed.
700. **Seminar in Secondary Education.** 3 hrs. An investigation of the major trends and objectives of the secondary school with emphasis upon the disciplinary areas of the curriculum.
701. **Algebra for Secondary Teachers.** 3 hrs. Consideration is given to the problems relating to the teaching of algebra and a new review of special algebraic principles.
705. **Professional Subject Matter in Mathematics.** 3 hrs. A study of ways to enrich the teaching of high school mathematics through the introduction of basic topics and concepts of college mathematics.
706. **Geometry for Secondary Teachers.** 3 hrs. Consideration is given to the problems pertaining to the teaching of high school geometry and a review of special geometric principles.
707. **Materials in the Teaching of Mathematics.** 3 hrs. A study of materials to be used in the teaching of secondary school mathematics both in the classroom and in extraclass activities.
708. **High School Curriculum.** 3 hrs. An overview of the field of curriculum and instruction at the secondary-school level with special emphasis upon contemporary trends.
710. **Mathematics for Junior High School Teachers.** 3 hrs. Prerequisite: To be teaching junior high school mathematics or have at least a minor in college mathematics. Consideration is given to the problems relative to the teaching of mathematics in grades 7, 8, and 9 and to the organization of mathematical subject matter for these grades.
718. **Research and Trends in English Education.** 3 hrs. Uses an action research paradigm to explore current research and trends in the English classroom from various theoretical perspectives.
723. **Research and Problems in Mathematics Education.** 3 hrs. A seminar for experienced teachers who wish to plan developmental programs of mathematics instruction in light of recent developments.
750. **Advanced Study of Problems and Issues in Teaching Secondary School Social Studies.** 3 hrs. Explores inquiry strategies for the social studies classroom and seeks to foster a firm understanding of basic analytical concepts and principles for the experienced social studies teacher.
753. **Instructional Management.** 3 hrs. Designed to help school districts develop and manage their educational program through clear instructional objectives and matching test items.
756. **Developing Community Education.** 3 hrs. A course designed to acquaint teachers with the concept of community education and its impact on their role in the classroom through strengthening community ties.
790. **Qualitative Research in Curriculum and Instruction.** 3-6 hrs. Application of qualitative research methodology in the contexts of investigations in curriculum and instruction.
791. **Research in Secondary Education.** 1-16 hrs. Prerequisite: Approval of the major professor.
792. **Special Problems.** 3 hrs.
794. **Field Problems.** 3 hrs. Prerequisite: Approval of the department chairman. This course provides students with an opportunity to study local school problems in a field setting under the supervision of a graduate professor.
797. **Independent Study and Research.** Hours arranged. Not to be counted as credit toward a degree. Students actively working on a dissertation, consulting with the major professor and/or using other resources of the University may enroll in this course. Students who are not in residence and are not enrolled in, at least, 3 hours of dissertation but who are actively working on a dissertation, consulting with the major professor, and/or using other resources of the University must enroll in this course for at least 3 hours each semester.
798. **Specialist Thesis.** 6 hrs. Specialist degree candidates are required to select a significant educational problem for investigation and to present the findings in a scholarly paper under the guidance of a graduate committee.

880. **Advanced Graduate Seminar in Education.** 1 hr. A series of in-depth discussions and analysis of significant educational problems and issues for students in advanced programs.

898. **Dissertation.** 12 hrs.

Dance (DAN)

553. **Advanced Jazz Dance.** 2 hrs. The study and application of the principles of jazz movement. May be repeated for a total of six (6) hours.

568. **Musical Theatre Dance.** 2 hrs.

587L. **Practicum in Movement.** 1-2 hrs. May be taken for a total of 9 hrs.

599. **British Studies.** 3-6 hrs. Studies in dance and movement sciences abroad (5 weeks).

Economic Development (ED)

551. **Theories of Economic Location.** 3 hrs. Principals of economic location analysis with emphasis on locational decision-making and investment by different types of businesses. Relevance to economic development is stressed.

646. **Economic Development Marketing.** 1 hr. Examines the principles of strategic comprehensive marketing as applied to economic development practice.

650. **Introduction to Economic Development Finance.** 1 hr. Examines the fundamentals of economic development finance, including an overview of economic development finance, business credit analysis, fixed asset financing, real estate financing, grantsmanship, and sources of private and public finance.

651. **Methods of Economic Development Research.** 3 hrs. Examines research methods for local, regional, and state economic development agencies. Prerequisite: Consent of instructor.

652. **Contemporary Issues in Economic Development.** 1-3 hrs. variable credit. May be repeated for a total of 9 hrs. Examines critical issues facing economic developers with a focus on policy formulation in the Southeastern U.S.

653. **Dynamics of Economic Development.** 3 hrs. Theory and practice of spatial aspects of economic development as applied to local, regional, and national economies and to the world market economy.

654. **Preparing for Community Economic Development.** 3 hrs. Provides practical instruction in the operation of a local economic development agency with emphasis on community preparation techniques and concepts.

655. **Economic Development Finance.** 3 hrs. Overview of financing principles for managing a local economic development organization, evaluating strategic development plans and specific projects, and coordinating industrial development incentive packages.

656. **Rural Economic Development.** 3 hrs. Focuses on rural development problems with emphasis on the Southeastern U.S.; examines national and state policies and practices for stimulating nonmetropolitan development.

657. **Promoting Community Economic Development.** 3 hrs. Prerequisite: Consent of instructor. Provides practical instruction in concepts and techniques for promoting a community, region, or state for new and existing business investments.

658. **Applied Research Problems in Economic Development.** 3 hrs. This is a capstone course designed to challenge and synthesize the student's proficiency in economic development. It consists of several research problems to be completed and successfully defended during the semester. Problems are assigned based on the student's program of courses and specializations.

662. **Economic Development and the Environment.** 2 hrs. Focuses on environmental issues and practices in economic development. Includes a study of sustainable development, wetlands, resource conservation, hazardous and solid waste, environmental impact statements, and permitting.

663. **Introduction to Research Methods in Economic Development.** 1 hr. Introduction to data analysis, methods of measurement, survey techniques, and data presentation as applied to economic development. Emphasizes computer and Internet applications.

664. **Rural Development.** 1 hr. Focuses on rural development problems, with emphasis on the southeastern U.S. Examines national and state policies and practices for stimulating nonmetropolitan development.

665.

691. Internship.

672. **International Trade and Finance.** 3 hrs. Prerequisites: ECO 201-202, FIN 300, and consent of the instructor. A study of international trade theory, balance of payments adjustment mechanisms, exchange rate determination, and the role of the MNC in the international economy.
692. **Special Problems in Economics.** 1-6 hrs.
699. **International Economics Research Abroad.** 3 hrs. Prerequisite: Consent of Program Director. A research course in international economics offered for students enrolled in ECO 598.

Educational Administration (EDA)

540. **Community Education and the Professional Educator.** 1 hr. Introduction to the concept of community education and its importance in building a base of community support for schools.
598. **British Studies: Studies in British Education.** 3 hrs. Provides students with information on various topics related to British education and with field experiences related to British educational institutions.
599. **British Studies: Research in British Education.** 3-6 hrs. To provide students with supervised research study on British education that relates to their interests or educational specialty.
600. **Introduction to Educational Leadership.** 3 hrs. An introduction to leadership for student-centered schools.
601. **Introduction to Community Education.**

708. **Developing and Managing Human Resources.** 3 hrs. Emphasizes the relationship between effective management of human resources and the instructional program. Includes attention to licensed and support personnel.
710. **School Law.** 3 hrs. Legal aspects of such factors as school money, church-state relationships, injury to pupils, student and teacher rights, and related matters.
711. **Higher Education in the United States.** 3 hrs. This course provides an overview of the development, scope, philosophy, objectives, and recent innovations in colleges and universities.
712. **The Community/Junior College.** 3 hrs. This course treats the development, functions, programs, philosophy, issues, and research related to the two-year college.
713. **Curricula in Higher Education.** 3 hrs. A study of undergraduate, graduate, and professional education curriculum development in community/junior and senior colleges.
714. **Higher Education Finance.** 3 hrs. This course will explore the financing of higher education including the following: the theoretical bases for the use of taxation to support post-secondary education; students fees and tuition; public and private grants, gifts, and bequests; financing and planning for higher education needs; cost benefit and cost analysis; budgeting and accounting.
715. **Administration and Supervision of College Teaching.** 3 hrs. A study of the administration of college faculty personnel services and of techniques for faculty development.
716. **Legal Issues in Higher Education.** 3 hrs. Explore legal issues and their impact on post-secondary institutions. Covers such topics as academic freedom, faculty employment, student legal issues, and tort liability.
717. **Continuing Education and Community Service.** 3 hrs. The role and scope of continuing education and community service in higher education, including the community college.
719. **Organization and Administration of Occupational Education in the Community College.** 3 hrs. Economic, social, educational and legal bases for occupational education; administration of secondary and community college programs.
720. **Advanced Curriculum Development.** 3 hrs. Designed for the school administrator who has or will have responsibility for curriculum development in a school system.
730. **Media Skills for Successful School-Community Relations.** 3 hrs. Designed to build communication skills needed for a successful school-community relations program.
736. **Practicum in Educational Administration.** 3 hrs. Seminar-experiences in administrative problems from the standpoint of the chief school officer and the central office staff.
738. **Practicum in Supervision.** 3 hrs. Prerequisite: EDA 620. An advanced seminar in supervisory services and current problems from a central office viewpoint.
740. **Advanced Instructional Supervision.** 3 hrs. Designed to develop a systematic approach to instructional improvement that will be of use to the generalist or specialist. Prerequisites: EDA 600 and EDA 620.
742. **Consensus Decision-Making nt**

798. **Specialist Thesis.** 6 hrs. Selection of practical educational problems for solution by candidates for the specialist's degree, using research and professional knowledge. A scholarly report is required.
800. **Seminar: Theories in Educational Organization and Administration.** 3 hrs. This course deals with the theories and concepts underlying present day school organization, administration, and supervision.
814. **Organization and Administration of Higher Education.** 3 hrs. A study of organizational and administrative roles of structure, governance, coordination, control and finance of higher education.
816. **Seminar in Problems in Higher Education.** 3 hrs. Discussion of problems and topics in higher education to be determined by the students and the instructor.
889. **Special Topics Seminar.** 1 hr. (Max. 3 hrs.) A seminar for in-residence doctoral students in educational administration, emphasizing current issues selected by students in consultation with faculty.
898. **Dissertation.** 12 hrs.

Electronics Engineering Technology (EET)

512. **Advanced Circuit Analysis.** 2 hrs. Prerequisite: Permission of instructor. Corequisite: EET 512L. Transfer functions; network analysis by Laplace transform methods. Not open to Masters of Engineering Technology candidates who have backgrounds in electrical or electronics engineering technology.
- 512L. **Advanced Circuit Analysis Laboratory.** 1 hr. Corequisite: EET 512.
550. **Microwave Technology.** 3 hrs. Prerequisite: EET 315, MAT 317, PHY 112. Corequisite: EET 550L. Introduction to microwave technology. Emphasis: communications, radar, components, circuits, measurement techniques and fault.
- 550L. **Microwave Technology Laboratory.** 1 hr. Corequisite: EET 550.
561. **Electric Power Generation and Distribution.** 3 hrs. Power generation and distribution, load flow, faults, grids, and layout.
592. **Special Problems.** 1-3 hrs. Supervised study in area of electronics engineering technology related to manufacturing.
603. **Digital Signal Processing.** 3 hrs. Theory and applications of processing discrete data. MATLAB will be used in the development of DSP algorithms to manipulate signals, reduce noise, and extract information.
604. **Active and Digital Filtering.** 3 hrs. Practical analog and digital filter design covering Butterworth, Chebyshev, and elliptic filters. Digital filter design to include IIR and FIR. Window function for FIR filters will also be covered.
692. **Special Problems.** 1-3 hrs. Supervised study in the area of electronics engineering technology.

Engineering Technology (ENT)

510. **Foundations in Computer Aided Drafting and Design.** 3 hrs. Fundamentals of computer use for drafting and design using commercial software.
520. **Computer Aided Drafting and Design II.** 3 hrs. Prerequisite: ENT 510. CADD applied to architectural and engineering drawing using AUTOCAD. Graphics programming in two- and three-dimensions.
521. **Computer-Aided Design and Drafting III.** 3 hrs. Prerequisite: ENT 520 or CADD experience. Advanced CADD topics applied to architectural and engineering drawing using AutoLISP.
530. **Solar Heating and Cooling.** 3 hrs. Corequisite: ENT 530L. Solar energy conversion methods; collectors; residential, commercial solar heating and cooling. Economics of solar energy. Total energy systems.
- 530L. **Solar Heating and Cooling Laboratory.** 1 hr. Corequisite: ENT 530.
540. **Workforce Development Models.** 3 hrs. Application of different instructional models to design workforce training of facts, concepts, procedures, and processes.
543. **Strategies for Technology Training.** 3 hrs. Mastery of core competencies to develop and deliver technology training.
544. **Fire Safety.** 3 hrs. Codes and technology used in fire prevention, detection, protection, and suppression.
545. **Ergonomics.** 3 hrs. Standards, statutes, and technology used in ergonomic analysis of worksites. Prevention and control of ergonomic risk conditions.
550. **Safety Compliance.** 3 hrs. Prerequisites: Graduate standing or permission of instructor. A comprehensive overview of safety standards, regulations, concepts, and processes relating to the modern industrial workplace.
560. **Performance Technology I.** 3 hrs. Examine foundations, process models, interventions, and professional practice issues for improving workforce productivity and competence.
565. **Performance Technology II.** 3 hrs. Prerequisites: ENT 560 and TOE 569 or permission of instructor. Investigation of innovative techniques to deliver training and performance interventions.
570. **Electronics for Scientists.** 3 hrs. Corequisite: ENT 570L. Practical electronics needed for maximum utilization of scientific instrumentation, automation, and logic circuits.

570L. **Electronics for Scientists Laboratory.** 1 hr. Corequisite: ENT 570.

575. **Workforce Analysis.** 3 hrs. Applied research methods and tools for the training professional to analyze and evaluate the worker, work processes, and the organization.

592. **Special Problems.** 1-6 hrs. Topics in Engineering Technology I.

593. **Special Problems.** 1-3 hrs. Topics in Engineering Technology II.

601. **Cost Analysis and Control.** 3 hrs. Prerequisite: ENT 390. Applied cost control methods and techniques to establish

552. Arthurian Literature.

625. **Readings in Fiction.** 3 hrs. Studies in contemporary fiction. Repeatable to six hours.
626. **Readings in Poetry.** 3 hrs. Studies in contemporary poetry. Repeatable to six hours.
627. **Introduction to Publishing.** 3 hrs. A practical introduction to the business of publishing, concentrating on publishing and marketing.
630. **Teaching Composition.** 3 hrs. Introduces students to composition pedagogy.
631. **Composition Research and Scholarship.** 3 hrs. Examines resources and methods for research and scholarship; emphasizes empirical, rhetorical, and historical frameworks.
632. **Contemporary Composition Theory.** 3 hrs. Surveys contemporary theories of composition and considers their implications for teaching writing.
633. **Rhetorical Dimensions of Composition.** 3 hrs. Examines historical and contemporary theories of rhetoric in the context of composition theory and practice.
640. **Bibliography and Methods of Research in English.** 3 hrs. Instruction in the collection, evaluation, and presentation of research materials.
644. **Topics in Literary Theory.** 3 hrs. A critical examination of important trends, movements, or issues in literary theory. Repeatable to six hours.
650. **Studies in Medieval Literature.** 3 hrs. Provides a focused survey of world literature from the period 500-1500. Repeatable up to six hours.
655. **Studies in Shakespeare.** 3 hrs. Provides a survey of a group of Shakespeare's plays chosen on the basis of genre, period, or theme. Repeatable to six hours.
658. **Studies in Renaissance Literature.** 3 hrs. Provides a focused survey of literary works from the sixteenth and seventeenth centuries. Repeatable to six hours.
661. **Studies in the Restoration and Eighteenth Century British Literature.** 3hrs. Provides a focused survey in the literature of the restoration period through the eighteenth century. Repeatable to six hours.
663. **Studies in Nineteenth Century British Literature.** 3 hrs. Provides a focused survey of the poetry and/or prose of the nineteenth century. Repeatable to six hours.
667. **Studies in Twentieth-Century British Literature.** 3 hrs. Provides a focused survey of twentieth-century British literature. Repeatable to six hours.
669. **Topics in British Literature.** 3 hrs. A critical examination of important trends, movements, and issues in British literature. Repeatable up to six hours.
670. **Studies in American Literature I.** 3 hrs. Provides a focused survey of selected American writers and movements before 1900. Repeatable to six hours.
671. **Studies in American Literature II.** 3 hrs. Provides a focused survey of selected American writers and movements since 1900. Repeatable to six hours.
672. **Topics in American Literature.** 3 hrs. A critical examination of a theme or themes in American literature. Repeatable to six hours.
673. **Topics in African-American Literature.** 3 hrs. A critical examination of genres, topics or writers of African-American literature. Repeatable to six hours.
678. **Topics in Writing by Women.** 3 hrs. A critical examination of a genre, topic or theme in women's literature.
690. **Teaching Freshman Composition.** 1 hr. Paces English 101 and 102. Provides practical models for writing assignments, teaching techniques, and classroom management for teachers of Freshman Composition. Repeatable to four hours. Credit hours do not count toward degree.
692. **Special Problems.** 3 hrs. Prerequisite: Consent of instructor. Provides the opportunity to pursue a special topic or area of interest. Repeatable to six hours.
694. **Studies in Basic Writing.** 3 hrs. Examines theoretical, historical, and cultural issues in the teaching of basic writing.
695. **Advanced Methods in English.** 3 hrs. Analyzes recent theories and practices in the teaching of composition, literature, and language in postelementary institutions. Repeatable to nine hours. Credit hours do not count toward English degree.
696. **Studies in Technical and Professional Writing.** 3 hrs. Examines the history and theory of scientific and technical discourse as well as pedagogical applications.
697. **Independent Study and Research.** Hours arranged. Not to be counted as credit toward a degree. Students actively working on a thesis, consulting with the major professor and/or using other resources of the University may enroll in this course. Students who are not in residence and are not enrolled in, at least, 3 hours of thesis but who are actively working on a thesis, consulting with the major professor, and/or using other resources of the University must enroll in this course for at least 3 hours each semester.
698. **Thesis.** 1-6 hrs., for a total of six hours.

702. **Readings in Linguistics.** 3 hrs. Examines varying topics, but usually treats practical aspects of classroom problems arising from widely varying dialects in the public schools. Repeatable to nine hours.
703. **Seminar in Teaching English as a Second Language.** 3 hrs. Examines the practical application of linguistic principles to second language teaching.
714. **Tutorial in English and Germanic Philology.** 3 hrs. Develops specialized area of inquiry unavailable in the regular curriculum.
716. **Seminar in Modern World Literature.** 3 hrs. Examines varying topics in British and Continental literature of the twentieth century: authors, movements, and genres. Repeatable to nine hours.
721. **Seminar in Fiction Writing.** 3 hrs. Prerequisites: Graduate standing, permission of the instructor, and enrollment in Center for Writers. Workshop in fiction writing. Repeatable to nine hours for M.A., to eighteen hours for Ph.D.
722. **Seminar in Poetry Writing.** 3 hrs. Prerequisites: Graduate standing, permission of the instructor, and enrollment in Center for Writers. Workshop in poetry writing. Repeatable to nine hours.
723. **Seminar in Non-Fiction Writing.** 3 hrs. Workshop in the writing of non-fiction prose, memoir, and personal essay. Repeatable to nine hours.
730. **Seminar in Literacy Theory.** 3 hrs. Considers the role of writing in current conceptions of literacy and explores literacy practices from a cultural perspective.
733. **Teaching/Administrative Internship in Writing.** 1-3 hrs. Prerequisite: Completion of 15 hours of course work in rhetoric and composition and permission of the instructor. Provides doctoral-level students with supervised experience in teaching writing or directing writing programs.
735. **Issues in Writing Program Administration.** 3 hrs. Focuses on issues and research relating to writing program administration in post-secondary institutions.
744. **Seminar in Literary Criticism.** 3 hrs. Examines specific issues in critical theory. Repeatable to nine hours.
750. **Anglo-Saxon.** 3 hrs. Examines the Old English language and representative English literature prior to 1066.
751. **Beowulf.** 3 hrs. Reading Beowulf in Anglo-Saxon.
753. **Middle English.** 3 hrs. Presents readings in Middle English literature exclusive of Chaucer, emphasizing the language and dialects of English from 1100 to 1500.
754. **Seminar in Medieval Literature.** 3 hrs. Focuses on the works of a major English medieval writer or group of writers. Repeatable to nine hours.
758. **Seminar in Renaissance Literature.** 3 hrs. Studies the works of a major English Renaissance writer or group of writers. Repeatable to nine hours.
760. **Seminar in Seventeenth-Century British Literature.** 3 hrs. Provides extensive study of an author, topic, or genre in seventeenth-century British literature. Repeatable to nine hours.
761. **Seminar in Eighteenth-Century British Literature.** 3 hrs. Provides extensive study of an author, topic, or genre in eighteenth-century British literature. Repeatable to nine hours.
763. **Seminar in English Romanticism.** 3 hrs. Provides extensive study of selected poets and topics from the Romantic Era (1790-1830). Repeatable to nine hours.
764. **Seminar in Victorianism.** 3 hrs. Provides extensive study of selected authors and topics from the Victorian Era (1830-1910). Repeatable to nine hours.
769. **Seminar in Modern British Literature.** 3 hrs. Offers an examination of important modern British figures and movements. Repeatable to nine hours.
770. **Seminar in American Literature I.** 3 hrs. Presents a detailed study of selected American writers and movements before 1900. Repeatable to nine hours.
771. **Seminar in American Literature II.** 3 hrs. Presents a detailed study of selected American writers and movements since 1900. Repeatable to nine hours.
772. **Readings in American Literature.** 3 hrs. Presents a detailed study of selected American writers and movements. Repeatable to nine hours.
773. **Seminar in African-American Literature.** 3 hrs. Provides a detailed study of selected genres, topics, or writers of African-American literature. Repeatable to nine hours.
790. **Seminar in Rhetoric and Composition.** 3 hrs. Provides extensive study and research in a special topic (such as Writing Assessment, Feminist Perspectives on Language and Literacy, Discourse Analysis, Cultural Studies and Composition, Composition and the Postmodern). Repeatable to nine hours.
791. **Research in English.** 1-16 hrs. Prerequisite: Approval of major professor. Must be taken pass/fail. Credit hours do not count toward degree.

792. **Special Problems.** 1-6 hrs. Prerequisite: Permission of instructor. Provides the opportunity to pursue a special topic or area of interest. Repeatable to six hours.
797. **Independent Study and Research.** Hours arranged. Not to be counted as credit toward a degree. Students actively working on a dissertation, consulting with the major professor and/or using other resources of the University may enroll in this course. Students who are not in residence and are not enrolled in, at least, 3 hours of dissertation but who are actively working on a dissertation, consulting with the major professor, and/or using other resources of the University must enroll in this course for at least 3 hours each semester.
898. **Dissertation.** 12 hrs.

Environmental Science (ESC)

501. **Environmental Sampling.** 4 hrs. Methods for sampling and solids, liquids, and gases for environmental testing.
505. **Environmental Impact Statements.** 3 hrs. Preparation of environmental impact statements, EIS's, for projects with significant environmental impact.
506. **Environmental Remediation.** 3 hrs. Study of the environmental remediation process and methods for contaminated soils, sludges, slurries, and water systems.
530. **Environmental Management Systems - ISO 14000 in Industry.** 3 hrs. Study of environmental management systems, codes, standards, and development of a draft ISO 14000 environmental management system.
531. **Environmental Safety.** 3 hrs. Detection and control of harmful agents in working environments, such as vapors, gases, mists, radiation, and sound.
- 531L. **Environmental Safety Laboratory.** 1 hr.
550. **Pollution Control.** 3 hrs. Study of pollution, its origin and effects, and methods of pollution abatement, Emphasis on control mechanisms, industrial control equipment, operations, and regulations.
592. **Special Problems.** 1-6 hrs. Prerequisite: Graduate standing or permission of instructor. Topics and content related to current research and practice in environmental science.
692. **Special Problems.** 1-6 hrs. Prerequisite: Graduate standing or permission of instructor. Topics and content related to current research and practice in environmental science.

Family and Consumer Sciences (FCS)

501. **Family Life Education.** 3 hrs. General philosophy and broad principles of family life education with emphasis on planning, implementing and evaluating such educational programs.
504. **Consumer Economics.** 3 hrs. Study of how consumers, business, and government interact in the exchange of goods and services in the marketplace.
509. **Occupational Family and Consumer Sciences.** 3 hrs. Developing and evaluating teaching units for family and consumer sciences-related occupational programs.
605. **Supervision of Family and Consumer Sciences Education.** 3 hrs. Practices and procedures in the supervision of vocational family and consumer sciences.
606. **Selected Topics in Family and Consumer Sciences Education.** 3 hrs. (May be repeated once.) Prerequisite: The corresponding subject matter course. The development and application of units of work in selected areas in the secondary school program.
607. **Curriculum Problems in Family and Consumer Sciences.** 3 hrs. A practicum for developing family and consumer sciences curriculum materials for local schools.
610. **Seminar in Family and Consumer Sciences Education.** 1-6 hrs. Current trends and issues in family and consumer sciences.
611. **Evaluation in Family and Consumer Sciences.** 3 hrs. Theory and practice of systematic evaluation of components of family and consumer sciences programs, including occupational family and consumer sciences.
612. **Field Experience in Family and Consumer Sciences Related Occupations.** 6 hrs. Supervised work experience in approved Family and Consumer Sciences Occupations. Can only be counted toward Occupational Certification.
615. **Methods, Materials, and Information Technology in Family and Consumer Sciences.** 3 hrs. Emphasis on new developments in teaching family and consumer sciences, including computer technology.
630. **Dimensions of Learning in Family and Consumer Sciences Education I.** 3 hrs. The first of a two-semester course sequence providing a broad introduction to the concepts, contexts, and practices of teaching, as well as specific instruction in secondary Family and Consumer Sciences methods. Enrollment is restricted to students admitted to the Masters of Arts in Teaching (MAT) degree program. This course includes a clinical supervision component.
631. **Dimensions of Learning in Family and Consumer Sciences Education II.** 3 hrs. Pre-requisite: FCS 630. The second of a two-semester course sequence providing a broad introduction to the concepts, contexts, and practices of teaching, as well as specific instruction in secondary Family and Consumer Sciences methods. Enrollment is restricted to students

admitted to the Masters of Arts in Teaching (MAT) degree program. This course includes a clinical supervision component.

691. **Research.** 1-4 hrs.
692. **Special Problems in Family and Consumer Sciences Education.** 1-4 hrs.
697. **Independent Study and Research.** Hours arranged. Not to be counted as credit toward a degree. Students actively working on a thesis, consulting with the major professor and/or using other resources of the University may enroll in this course. Students who are not in residence and are not enrolled in, at least, 3 hours of thesis but who are actively working on a thesis, consulting with the major professor, and/or using other resources of the University must enroll in this course for at least 3 hours each semester.
698. **Thesis.** 1-6 hrs. for a total of 6 hrs. Credit deferred until thesis is completed.

Family Studies (FAM)

550. **Sexuality in the Family.** 3 hrs. Research and theory on the impact of family life cycle changes on sexuality, intimacy, and gender needs and the application of this for the helping professional.
551. **Marriage Adjustment: Communication and Conflict.** 3 hrs. Mate selection, marital adjustment, divorce, and remarriage are examined. Emphasis will be on communication, power struggles, and problem solving in relation to cybernetics theory.
553. **The Family in Later Life.** 3 hrs. An examination of family kinship patterns in later life; relationships with spouse, adult children, and siblings.
578. **Specialized Studies in Developmental Disabilities.** 1-6 hrs. Specialized study and skill acquisition in the area of developmental disabilities. Topics vary.
596. **Families of the Developmentally Disabled.** 3 hrs. Interdisciplinary approach to the study of families of the developmentally disabled.
597. **Professional Collaboration for Developmental Disability Services.** 3 hrs. Study of the interdependent contributions of relevant disciplines in training, service, and research.
598. **British Studies Program: Aging and the Family.** 3-6 hrs. Current topics, trends, and issues which impact the family. Offered in London, England.
600. **Prepracticum in Marriage and Family Therapy.** 3 hrs. Prerequisite: FAM 650, FAM 655, and permission of the instructor. Students are expected to gain basic clinical competencies in preparation for working with families.
610. **Marital Therapy.** 3 hrs. A survey of the major of marital and couple therapy with an emphasis on evidence-based treatment.
615. **Gender and Culture in the Family.** 3 hrs. Designed to help students integrate theoretical, research, and developmental applications of gender and cultural issues into their understanding of the family and in the practice of systems therapy.
628. **Assessment Procedures for Young Children with Disabilities.** 3 hrs. To familiarize students with current issues, theories, and practices regarding the assessment of young children who are at risk for or have manifest disabilities.
629. **Advanced Intervention Procedures for Young Children with Disabilities.** 3 hrs. To familiarize students with current issues, theories, intervention methods, and procedures for young children who area at risk for or have manifest disabilities.
645. **Financial Problems of Families.** 3 hrs. Study of family resource utilization emphasizing methods of assisting families in effective planning.
650. **Individual and Family Life Cycle Development.** 3 hrs. Content of human interactions and the process of change in family structures over time is assessed in light of systems theory and family life cycle development theory.
651. **Parents and Children: Problem Resolution.** 3 hrs. A study of both functional and dysfunctional relationship patterns between parents and children/adolescents. Focus is on the systematic intervention process.
653. **Aging and the Family.** 3 hrs. Family-oriented problem solving and its relation to major gerontological issues such as intergenerational struggles, independence, loneliness, alternative living arrangements, etc.
654. **Special Topics in Gerontology.** 1-3 hrs. Study of current issues in the field of aging. Topics will vary. May be repeated for a maximum of 9 hours with permission of adviser.
655. **Theories of Marriage and Family Therapy I: Survey of Major Models.** 3 hrs. A survey of the major models of family and systems theory including general systems, family systems, cybernetics, intergenerational, structural, strategic, experiential, and postmodern models.
656. **Theories of Marriage and Family Therapy II: Evidence-Based Treatment.** 3 hrs. A survey of treatment approaches with demonstrated effectiveness based empirically validated research.
658. **Seminar in Family Relations.** 3 hrs. May be repeated for a total of 6 hrs. Current topics, trends, and issues which concern and affect families.
659. **Ethics and Professional Issues in Marriage and Family Therapy.** 3 hr. A consideration of the ethical foundations for

- the professional practice of marriage and family therapy. The American Association of Marriage and Family Therapy (AAMFT) Code of Ethics serves as a guide for the study of legal and personal roles and personal responsibilities in therapy, research, and professional development.
660. **Assessment in Marriage and Family Therapy.** 3 hrs. Assessment of dysfunctional relationship patterns using appropriate major mental health assessment instruments and structured techniques designed for systemic intervention.
663. **Professional Practice of Marriage and Family Therapy.** 3 hrs. A survey of non-normative family experiences as well as current trends in marriage and family therapy.
665. **Sex Therapy.** 3 hrs. Sexual development and attitudes towards sex are explored. Physical, psychological, emotional, and systemic processes in chronic sexual problems and specific intervention strategies are examined.
688. **Medical Aspects of Developmental Disabilities.** 3 hrs. Medical conditions, diagnostic tests, and other health care issues relevant to individuals with developmental disabilities.
690. **Practicum in Family and Consumer Studies.** 3-9 hrs. Prerequisite: FCS 401 or 501 and permission of instructor. Supervised experiences in family and consumer studies.
691. **Research in Family and Consumer Studies.** 1-16 hrs.
692. **Special Problems in Family Relations.** 1-4 hrs.
697. **Independent Study and Research.** Hours arranged. Not to be counted as credit toward a degree. Students actively working on a thesis, consulting with the major professor and/or using other resources of the University may enroll in this course. Students who are not in residence and are not enrolled in, at least, 3 hours of thesis but who are actively working on a thesis, consulting with the major professor, and/or using other resources of the University must enroll in this course for at least 3 hours each semester.
698. **Thesis.** 1-6 hrs. for a total of 6 hrs. Credit deferred until thesis is completed.
790. **Supervised Practicum in Marriage and Family Therapy.** 1-6 hrs. Prerequisite: FAM 656, FAM 660, FAM 600, and permission of the clinical faculty. Supervised clinical training with couples and families. May be repeated.
794. **Marriage and Family Supervision.** 3 hrs. Prerequisite: Permission of Instructor. Major models of marriage and family therapy and supervision are examined.

Fashion Merchandising and Apparel Studies (FMA)

521.

Foreign Languages (FL)

561. **Teaching Second Languages: Theory into Practice.** 3 hrs. Prerequisite: Consent of instructor. Familiarizes students with the major aspects of foreign/second language teaching theory and with the variety of instructional approaches and techniques pertinent to the foreign/second language teaching and learning situation.
562. **Translation.** 3 hrs. Prerequisite: Consent of instructor.
581. **Advanced Credit for Study Abroad.** 3-9 hrs. Arr. Prerequisites: Advanced knowledge of the language to be studied; prior arrangements must be made for the evaluation and receipt of credit. Credit will be granted for systematic study of the language and culture or the language and literature of a foreign area. Study must be under the direction of a recognized teaching institution approved in advance by the Department of Foreign Languages and Literatures. The department will examine and grade the progress and achievement of the participants in this program before granting credit.
609. **Dimensions of Learning in Foreign Language Education I.** 3 hrs. Prerequisites: CIS 603, SPE 500, REF 632, CIS 700. Corequisite: REF 601. Seminar and field experience in Foreign Language Education.
610. **Dimensions of Learning in Foreign Language Education II.** 3 hrs. Prerequisite: FL 609. Corequisite: CIR 754. Seminar and field experience in Foreign Language education. Includes a classroom-based research project.
663. **Applied Linguistics in Second and Foreign Languages.** 3 hrs. Prerequisite: Consent of instructor. Study of fundamental aspects of linguistics with an emphasis on application to second and foreign language learning and instruction.
664. **Second Language Acquisition Theory and Practice.** 3 hrs. Prerequisite: Consent of instructor. Current trends in second language acquisition theory and research. Students will develop an awareness of how SLA theory and research apply to their specific second and/or foreign language learning and teaching practice.
665. **Sociocultural and Sociolinguistic Perspectives in Language Teaching.** 3 hrs. Prerequisite: Consent of instructor. Provides students with the knowledge of the relationship between language and its social context, with an emphasis on the application of that knowledge to an understanding of second and foreign language acquisition and to the instruction of second and foreign language learners.
690. **Foreign Language Teaching Seminar.** 1 hr. Ongoing supervision and professional development for TAs and adjuncts in the Department of Foreign Languages and Literatures. May be repeated for a total of 4 hours.
691. **Research.** 1-9 hrs. Credit hours may not count towards a degree in the Department of Foreign Languages and Literatures.
692. **Special Problems.** 1-9 hrs. By prior arrangement only.
694. **Practicum in Second or Foreign Language.** 3 hrs. Prerequisite: FL 561. Provides students with opportunities to gain language teaching experience, to enhance their teaching skills, and to reflect on the nature and processes of second and/or foreign language teaching. These objectives will be reached through reflection, observation, and hands-on experience.
697. **Independent Study.** 1-9 hrs.

French (FRE)

501. **French Reading for Research I.** 3 hrs. Beginning study of fundamental structures and vocabulary to facilitate reading in French for research. Credit hours may not count towards a degree in the Department of Foreign Languages and Literatures.
502. **French Reading for Research II.** 3 hrs. Prerequisite: FRE 501. A continuation of the study of language structures and vocabulary begun in French 501. Readings from a variety of disciplines will be examined. Credit hours may not count towards a degree in the Department of Foreign Languages and Literatures.
505. **French Phonology.** 3 hrs. An introduction to French phonemics and phonetics with intensive practice in the pronunciation of French.
506. **Advanced Composition.** 3 hrs. Practice in descriptive, narrative, analytical, and research composition, with attention to style, vocabulary, and morphology, as well as methods of organization and presentation.
511. **Advanced Conversation.** 3 hrs. Prerequisite: Advanced knowledge of French. Intensive practice in formal and informal language use on topics drawn from print and electronic media.
531. **French Film.** 1-3 hrs. Prerequisite: Consent of instructor. Study of literary and linguistic aspects of French films.
534. **France in the Fifth Republic.** 3 hrs. Prerequisite: Consent of instructor. Contemporary French education, politics, social and intellectual attitudes, urban and rural life.
535. **Modern France.** 3 hrs. Prerequisite: Consent of instructor. Overview of the period of French history from 1870 to 1970 including topics such as the formation of the Third Republic, the foundation of French Socialism, Modernism in art and literature and Colonial and post-colonial upheaval. May be repeated once.
536. **Francophone Civilization and Culture.** 3 hrs. Studies in the history, art, beliefs, behaviors, and values of French-speaking cultures. Topics will vary. May be repeated once.

542. **Survey of French Literature.** 3 hrs. Prerequisite: Consent of instructor. May be taken for a total of six hours if contents vary.
545. **Topics in French Literature.** 3 hrs. May be taken for a total of six hours if topics vary.
546. **French Novel and Short Story.** 3 hrs. Prose fiction of the 18th and 19th, and 20th centuries, studied in conjunction with films based on the works or thematically related to them.
547. **Négritude Literary Movement.** 3 hrs. A study of different works associated with the Négritude Literary Movement encompassing areas of French-speaking Africa and the Caribbean.
581. **Advanced Credit for Study Abroad.** 3-9 hrs. Arr. Prerequisite: Advanced knowledge of French; prior arrangements must be made for the evaluation and receipt of credit. Credit will be granted for systematic study of the language and culture or the language and literature of a foreign area. Study must be under the direction of a recognized teaching institution approved in advance by the Department of Foreign Languages and Literatures. The department will examine and grade the progress and achievement of the participants in this program before granting credit.
591. **Advanced Studies in the French Language.** 3 hrs. Consent of the instructor. Content varies in response to students' interests and needs. May be repeated once.
641. **French Seminar.** 3 hrs. May be taken for a total of nine (9) hours.
692. **Special Problems in the Teaching of French.** 1-3 hrs. By prior arrangement only. May be repeated as content varies.

German (GER)

501. **German Reading for Research I.** 3 hrs. Beginning study of fundamental structures and vocabulary to facilitate reading in German for research. Credit hours may not count towards a degree in the Department of Foreign Languages and Literatures.
502. **German Reading for Research II.** 3 hrs. Prerequisite: GER 501. A continuation of the study of language structures and vocabulary begun in German 501. Readings from a variety of disciplines will be examined. Credit hours may not count towards a degree in the Department of Foreign Languages and Literatures.
505. **German Diction and Phonetics.** 3 hrs. Prerequisite: Consent of instructor.
506. **Advanced Grammar.** 3 hrs. Advanced study of German grammar; reading and stylistic analysis.
581. **Study Abroad.** 3-9 hrs. Prerequisite: Advanced knowledge of German; prior arrangements must be made for the evaluation and receipt of credit. Credit will be granted for systematic study of the language and culture or the language and literature of a foreign area. Study must be under the direction of a recognized teaching institution approved in advance by the Department of Foreign Languages and Literatures. The department will examine and grade the progress and achievement of the participants in this program before granting credit.
645. **German Seminar.** 3 hrs. May be taken for a total of nine (9) hours.

Greek (GRK)

545. **Reading in Greek Literature.** 3 hrs.

Italian (ITA)

581. **Advanced Credit for Study Abroad.** 3 hrs. Prerequisite: Advanced knowledge of Italian; prior arrangements must be made for the evaluation and receipt of credit. Credit will be granted for systematic study of the language and culture or the language and literature of a foreign area. Study must be under the direction of a recognized teaching institution approved in advance by the Department of Foreign Languages and Literatures. The department will examine and grade the progress and achievement of the participants in this program before granting credit.

Latin (LAT)

545. **Reading in Latin Literature.** 3 hrs. Prerequisite: Consent of instructor. May be taken for a total of nine hours if topic varies.

Spanish (SPA)

501. **Spanish Reading for Research I.** 3 hrs. Beginning study of fundamental structures and vocabulary to facilitate reading in Spanish for research. Credit hours may not count towards a degree in the Department of Foreign Languages and Literatures.
502. **Spanish Reading for Research II.** 3 hrs. Prerequisite: SPA 501. A continuation of the study of language structures and vocabulary begun in Spanish 501. Readings from a variety of disciplines will be examined. Credit hours may not count towards a degree in the Department of Foreign Languages and Literatures.
505. **Spanish Phonetics.** 3 hrs. Prerequisite: Consent of instructor. A contrastive study of the phonetic systems of English and Spanish with emphasis in production of speech sounds, correction of exercises in pronunciation, and problems in learning the sound system of a second language.

506. **Advanced Composition and Grammar.** 3 hrs. Prerequisite: Consent of instructor. Understanding of the grammatical concepts, forms and practice in descriptive, narrative, analytical, and research composition with attention to grammar and style, as well as methods of organization.
511. **The Spanish Subjunctive.** 3 hrs. Prerequisite: Consent of instructor. Understanding the mode of the subjunctive inner world. Discussion, comparison between the indicative and subjunctive moods and learning problems.
521. **Advanced Conversation.** 3 hrs. Prerequisite: SPA 421, equivalent, or consent of instructor. Development of oral skills and strategies through intensive practice in speaking and listening comprehension, using the ACTFL Oral Proficiency Guidelines, teaching as well as extensive research in Oral Language Proficiency.
533. **Hispanic Film.** 3 hrs. Prerequisite: Consent of instructor. Overview of Spanish and Spanish American cinema. Discussions will emphasize cultural, socio-historical, and pedagogical issues.
535. **Spanish Culture and Civilization.** 3 hrs. Prerequisite: Consent of instructor. Examines socio-political, cultural history, and construction of social values in the Spanish society as well as forms of regional, national, and gender identity.
536. **Latin American Culture and Civilization.** 3 hrs. Prerequisite: Consent of instructor. A chronological survey of Hispanic civilization and institutions.
542. **Survey of Spanish Literature.** 3 hrs. Prerequisite: Consent of instructor. May be taken for a total of six hours if topics vary.
545. **Topics in Spanish Literature.** 3 hrs. Prerequisite: Consent of instructor. May be taken for a total of six hours if topics vary.
546. **Don Quixote.** 3 hrs. Prerequisite: Consent of instructor. A study of the Cervantes novel, of its historical and literary background, and of the principal critical materials.
552. **Topics in Latin American Literature.** 3 hrs. Prerequisite: Consent of instructor. May be taken for a total of six hours if topics vary.
581. **Advanced Credit for Study Abroad.** 3-9 hrs. Prerequisite: Advanced knowledge of Spanish; prior arrangements for evaluation and receipt of credit. Credit will be granted for systematic study of the language and culture or the language and literature of an Hispanic area. Study must be under the direction of a recognized teaching institution approved in advance by the Department of Foreign Languages and Literatures. The department will examine and grade the progress and achievement of the participants in this program before granting credit.
591. **Advanced Studies in the Spanish Language.** 3 hrs. Prerequisite: Consent of instructor. Content varies in response to students' interests and needs. Topics include: syntax, lexicography, and etymology. May be repeated once.
605. **Old Spanish.** 3 hrs. Prerequisite: Consent of instructor.
609. **Spanish Lexical Problems.** 3 hrs. Prerequisite: Consent of instructor. A study of correct vocabulary usage, with composition practice.
612. **Spanish Pedagogical Grammar.** 3 hrs. Prerequisite: Consent of instructor. Exploration and development of ways of teaching concepts and techniques with a view of grammar as a coherent system, its internal logic, and the strategies to use in the classroom.
641. **Spanish Seminar.** 3 hrs. Prerequisite: Consent of instructor. May be taken for a total of nine (9) hours.
661. **Spanish Reading.** 3 hrs. Prerequisite: Consent of instructor. Development of reading skills and of suitable reading materials for the Spanish classroom.
685. **Teaching Spanish for Special Purposes.** 3 hrs. Prerequisite: Consent of instructor. Methods and materials for teaching such groups as law enforcement, health care, and business personnel. May be taken for a total of six hours if topics vary.
692. **Special Problems in the Teaching of Spanish.** 1-3 hrs. By prior arrangement only. May be repeated as content varies.

Teaching English to Speakers of other Languages (TSL)

612. **Options in the Teaching of Grammar in ESL/EFL.** 3 hrs. An introduction to approaches to the acquisition and teaching of grammar in English as a second or foreign language.
641. **TESOL Seminar.** 3 hrs. May be repeated as content varies. Content varies in response to students' interests and needs.
645. **Reading in ESL/EFL Instruction.** 3 hrs. An introduction to current reading theory, research, and techniques relevant to the teaching of English as a second or foreign language.
692. **Special Problems in TESOL.** 3 hrs. By prior arrangement only. May be repeated as content varies.

- GHY 512. Students are exposed to a variety of advanced image processing techniques using digital remote sensing imagery.
516. **Computer Application in Geography.** 2 hrs. Corequisite: GHY 516L. Role of personal computers in geography. Concepts and applications of computerized geographic mapping, information, simulation, and analytic techniques.
- 516L **Computer Applications in Geography Laboratory.** 1 hr. Corequisite: GHY 516. Operation of computerized geographic mapping, information, simulation, and analytic systems.
517. **Geographic Information Systems.** 2 hrs. Corequisite: GHY 517L. Concepts and applications of geographic information systems in natural and human516sEurscemapngermntsand hbsingsssi decsitrn smakng,
517. **Geographic Information Systems.Laboratory.**

694. **Prolaboratory in Geographic Information.** 1-3 hrs. Prerequisite: Permission of instructor. Preparation and presentation of a professional GIS, cartographic, or remote sensing project. May be repeated with change of content for a total of six (6) hours of credit.
697. **Independent Study and Research.** Hours arranged. Not to be counted as credit toward a degree. Students actively working on a thesis, consulting with the major professor and/or using other resources of the University may enroll in this course. Students who are not in residence and are not enrolled in at least three (3) hours of thesis but who are actively working on a thesis, consulting with the major professor, and/or using other resources of the University must enroll in this course for at least three (3) hours each semester.
698. **Thesis.** 1-6 hrs. for a total of 6 hrs.

Geology (GLY)

501. **Principles of Stratigraphy.** 3 hrs. Prerequisites: GLY 304, 308, 341, or permission of instructor. A study of the character and distribution of sedimentary rock units in space and time.
503. **Optical Mineralogy.** 3 hrs. Pre- or Corequisite: GLY 304. Introduction to optical mineralogy and thin section study of rocks using polarizing microscope.
- 503L. **Optical Mineralogy Laboratory.** 1 hr. Corequisite: GLY 503.
505. **Sedimentology.** 3 hrs. Study of the character of sediments and sedimentary structures in the context of depositional environments.
- 505L. **Sedimentology Laboratory.** 1 hr. Corequisite: GLY 505.
506. **Fundamentals of Crystallography.** 1 hr. Prerequisite: MAT 103. An introduction to the concepts of crystal systems, morphology, Herman-Mauguin symbols, Bravais lattice, unit cells. Miller indices, and X-ray diffraction.
- 506L. **Fundamentals of Crystallography Laboratory.** 1 hr. Corequisite: GLY 506.
507. **Principles of X-ray Diffraction.** 1 hr. Prerequisite: GLY 301 or permission of instructor. Introduction to principles, analytical techniques, and precautions involved in X-ray diffraction instrumentation.
- 507L. **Principles of X-ray Diffraction Laboratory.** Corequisite: GLY 507.
508. **Petrography.** 3 hrs. Prerequisites: GLY 503 and GLY 503L. Characterization of rock composition and textures, classification, and petrogenesis with use of polarizing microscope and thin sections.
- 508L. **Petrography Laboratory.** 1 hr. Corequisite: GLY 508.
510. **Elements of Geochemistry.** 3 hrs. Prerequisite: GLY 304. Chemical principles governing the formation of minerals and rocks and their reactions with the lithosphere, hydrosphere, atmosphere, and biosphere.
511. **Applied Groundwater Geochemistry.** 3 hrs. Prerequisites: GLY 410/510, GLY 476/576 recommended. Design and implementation of groundwater geochemistry monitoring programs for hydrogeological site assessment.
520. **Applied Geophysics I.** 3 hrs. Prerequisites: GLY 308, MAT 168, and PHY 112 or 202 or permission of instructor. Introduction to seismic methods used in hydrocarbon and mineral exploration.
- 520L. **Applied Geophysics I Laboratory.** 1 hr. Corequisite: GLY 520.
521. **Applied Geophysics II.** 3 hrs. Prerequisites: GLY 308, MAT 168, and PHY 112 or 202 or permission of instructor. Introduction to gravity, magnetic and electrical methods used in hydrocarbon and mineral exploration.
- 521L. **Applied Geophysics II Laboratory.** 1 hr. Corequisite: GLY 521.
522. **Geophysical Well-Logging.** 3 hrs. Prerequisites: GLY 101, MAT 103, and PHY 112 or 202. Pre- or Corequisite: GLY 505. Principles of obtaining data from bore hole instruments, and geological interpretation of data.
- 522L. **Geophysical Well-Logging Laboratory.** 1 hr. Must be taken concurrently with GLY 522.
523. **Geological Remote Sensing.** 2 hrs. Corequisite: GLY 523L. Introduction to the use of multispectral, hyperspectral, and radar remote sensing data and imagery in applied geology.
- 523L. **Geological Remote Sensing Laboratory.** 2 hrs. Corequisite: GLY 523.
530. **Principles of Geology for Science Teachers.** 3 hrs. Principles of physical and historical geology for teachers. Not applicable to geology degree.
543. **Calcareous Micropaleontology.** 3 hrs. Prerequisite: GLY 341. Taxonomy, morphology, and stratigraphic use of calcareous microfossils.
- 543L. **Calcareous Micropaleontology Laboratory.** 1 hr. Corequisite: GLY 543.
544. **Siliceous Micropaleontology.** 3 hrs. Prerequisite: GLY 341. Taxonomy, morphology, and stratigraphic use of siliceous and organic-walled microfossils.
- 544L. **Siliceous Micropaleontology Laboratory.** 1 hr. Corequisite: GLY 544.
550. **Geological Marine Science.** 3 hrs. Pre- or Corequisite: GLY 505 or permission of instructor. Study of the formation and deformation of the oceanic crust and the distribution and character of marine sediments.

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- 550L. **Geological Marine Science Laboratory.** 1 hr. Corequisite: GLY 550. Examination and interpretation of marine geological samples and data.
565. **Engineering Geology.** 3 hrs. The integration of geologic and engineering principles and their application in the evaluation and utilization of Earth resources and the mitigation of natural and human-induced hazards.
570. **Petroleum Geology.** 3 hrs. Pre- or Corequisite: GLY 401 or permission of instructor. The origin, occurrence, and accumulation of oil and natural gas.
- 570L. **Petroleum Geology Laboratory.**

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511. **The Caribbean and Central America.** 3 hrs. An analysis of Caribbean and Central American history, with particular emphasis on colonialism, slavery, plantation economies, revolutionary movements, and the influence of the United States.
512. **History of Brazil.** 3 hrs. An examination of Brazilian history, with particular emphasis on the period since independence.
513. **The United States and Latin America.** 3 hrs. A detailed discussion of the relationship between the societies and governments of the United States and Latin America.
515. **World War I.** 3 hrs. An exploration of the causes, conduct, and consequences of World War I.
516. **World War II.** 3 hrs. A study of causes, conduct, and consequences of World War II.
517. **Vietnam War.** 3 hrs. Discussion of military, social, political, and cultural consequences of the war.
520. **Exploration and Discovery.** 3 hrs. Examination of factors contributing to European exploration from the Renaissance to the 19th c.
521. **War and Science in Modern History.** 3 hrs. An examination of the relationship between science and warfare from the 18th c. to the present.
522. **The History of Medicine.** 3 hrs. To provide students with an understanding of the ideas, practices, and institutions in the treatment of disease and the maintenance of health from ancient times to the present.
523. **Science and Society: From Copernicus to the Bomb.** 3 hrs. An interdisciplinary course designed for both science and

556. **Nazi Germany.** 3 hrs. A study of the political, diplomatic, economic, and social developments in Germany from 1919 through 1945.
557. **History of Religion in America.** 3 hrs. A survey of the variety of American religious experiences in their historical contexts.
558. **Modern Russia and The Sov TDs.**
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773. **Seminar in African-American History.** 3-6 hrs. as topics vary. Examination of selected topics in black history.
774. **Seminar in American Diplomatic History.** 3 hrs. May be repeated for a total of nine hours.
775. **Seminar in Southern History.** 3 hrs. Variable topics in Southern history. May be repeated for a total of nine hours.
776. **Seminar in Women's History.** 3 hrs. Variable topics in women's history. May be repeated for a total of nine hours.
781. **Themes and Interpretations in Latin America I.** 3 hrs. Study of major themes and historiographical trends in pre-colonial and colonial Latin American history.
782. **Themes and Interpretations in Latin American History II.** 3 hrs. Study of major themes and historiographical trends in post-colonial Latin American history.
785. **Oral History Seminar.** 3 hrs. May be repeated for a total of nine hours.
791. **Research in History.** 1-16 hrs. Prerequisite: Approval of major professor.
795. **Development of the Professional Historian.** 3 hrs. Seminar to develop skills necessary to succeed as a professional historian. Includes supervised teaching experience. May be repeated once.
796. **Practicum in the Teaching of History in Colleges and Universities.** 3 hrs. May be repeated for a total of nine (9) hours.
797. **Independent Study and Research.** Hours arranged. Not to be counted as credit toward a degree. Students actively working on a dissertation, consulting with the major professor and/or using other resources of the University may enroll in this course. Students who are not in residence and are not enrolled in at least 3 hours of dissertation but who are actively working on a dissertation, consulting with the major professor, and/or using other resources of the University must enroll in this course for at least 3 hours each semester.
799. **British Studies: Advanced Seminar in European Studies.** 3-6 hrs. Lecture series and research in European studies offered abroad under auspices of College of International and Continuing Education. No more than 3 hours to be counted as credit toward degree.
898. **Dissertation.** 1-12 hrs. for a total of 12 hours.

Hospitality Management (HM)

540. **Food Service Operations Management.** 3 hrs. Corequisite: HM 540L. Advanced application of systems used to manage food service operations..
- 540L. **Food Service Operations Management Laboratory.** 2 hrs. Prerequisite: HM 440, 440L. Corequisite: HM 540. Practical application of the management of food service operations.
541. **Purchasing in the Hospitality Industry.** 3 hrs. Prerequisite: HM 300. Principles of purchasing foods, beverages, non-food items, and equipment are examined.
542. **Layout and Design.** 3 hrs. Prerequisite: HM 300. Planning, designing, and layout of hospitality facilities.
545. **Hospitality Financial Management.** 3 hrs. Prerequisite: HM 380. Financial management techniques applied to the hospitality industry including capital expenditure analysis and evaluation.
582. **Hospitality Marketing.** 3 hrs. Prerequisite: HM 300. Application of marketing theories to hospitality organizations. Emphasis on marketing systems, consumer behavior, market definition, and the marketing mix.
583. **Dimensions of Tourism.** 3 hrs. Prerequisite: HM 300. To explore tourism's supply/demand components. Emphasis on relationship between the components and functional areas of planning and marketing that manage them.
590. **International Studies in Hospitality Management.** 3 hrs. Prerequisite: HM 300 and permission of adviser. Acquaints students with visited destination's tourism supply/demand components through field trips/meetings with industry leaders.
594. **Tourism Destination Development.** 3 hrs. Prerequisite: HM 583. Emphasis placed on nature/scope of tourism planning, planning approaches, markets, attractions, services, regional potential planning, and levels of planning.
692. **Special Problems in Hospitality Management.** 1-6 hrs. Prerequisite: Graduate standing and approval of faculty adviser. Supervised study in area not covered by available courses.
693. **Readings in Hospitality Management.** 1 hr. Prerequisite: Graduate standing and approval of faculty adviser. Recent developments in research related to the hospitality industry. May be repeated for a total of 3 hrs.

Human Performance and Recreation (HPR)

501. **Corrective and Adaptive Physical Education.** 3 hrs. Recognition of and corrective exercises for functional abnormalities. Adapted techniques in instructional settings.
504. **Motor Development.** 3 hrs. A study of the motor aspects of human growth and development process.
509. **Psychological and Sociological Aspects of Motor Performance.** 3 hrs. The analysis and study of human behavior patterns as they relate to sport-related performance.

- 511. **Adapted Activities and Techniques in Therapeutic Recreation.** 3 hrs. The principles and techniques for adapting recreation programs and activities to meet the needs of people with disabilities.
- 513. **Organization and Administration of Recreation.** 3 hrs. Designed to study the organization and administration of recreation agencies and their policies.
- 515. **Business Procedures for Parks and Recreation.** 3 hrs. A study of specific business procedures and administrative policies.
- 517. **Legal Aspects of Recreation and Leisure Services.** 3 hrs. Legal issues related to leisure service management including legal foundations, legal liability, land use policy, employment regulations, disabled services, and current issues.
- 524. **Community Recreational Resource Services and Organizations.**

- 701L. **Advanced Exercise Physiology I Laboratory.** 2 hrs. Co-requisite: HPR 701. Use and care of exercise physiology laboratory equipment.
703. **Advanced Kinesiology.** 3 hrs. Prerequisite: Undergraduate anatomy and physiology or permission of instructor. The application of anatomical and physiological principles of kinesiology to physical activity.
704. **Tests and Measurement in Human Performance.** 3 hrs. Tests of fitness, skills, and abilities. Administration and interpretation.
705. **Motor Learning.** 3 hrs. Physical and psychological variables essential to the acquisition of motor skills.
706. **Cardiovascular Physiology.** 3 hrs. Physiology of the heart with emphasis on normal versus abnormal conditions affecting human performance.
707. **Physiological Response of Women to Physical Training.** 3 hrs. Study of women's physiological abilities, susceptibility to injuries, gynecological problems and psychological aspects of coping with physical training.
708. **Pediatric Exercise Physiology.** 3 hrs. The study of the effects of exercise and training in children with particular attention to physiological changes which occur prior to and during puberty.
710. **Problems and Emerging Trends in Recreation.** 3 hrs. Problems and emerging trends related to recreation with emphasis on problem solving and evaluation.
711. **Research and Evaluation in Recreation and Leisure.** 3 hrs. Designed to develop knowledge and understanding relative to research methods most utilized in recreation.
712. **Philosophical Foundations in Recreation.** 3 hrs. Prevailing concepts, theories, and professional philosophies affecting recreation.
713. **Special Field Studies in Recreation.** 3 hrs. Encompasses the application of various theories to realistic field situations and pertinent areas of concern.
714. **Ethics in the Sport Industry.** 3 hrs. Advanced study of ethic history, theory, models, and application as they relate to the decision-making responsibilities of sport participants and management.
715. **Advanced Sport Administration Processes.** 3 hrs. Athletic promotion and fund-raising, finance, economics, and marketing.
720. **Administration of Human Performance Programs.** 3 hrs. Personnel management, budgetary concerns, facilities management, program supervision, and other problems faced by administrators of professional preparation programs.
722. **Administration of Intramural and Extramural Activities.** 3 hrs. Planning and implementation of secondary and collegiate level recreational sport programs.
723. **Advanced Methods of Teaching Physical Education.** 3 hrs. Advanced teaching functions in the physical education contextual framework. Styles of teaching, reflective experience, and systematic observation techniques introduced.
725. **Facilities Management in Human Performance and Recreation.** 3 hrs. Prerequisite: HPR 434/534 or course equivalent. Management of instructional, recreational, and sports facilities including planning processes of facilities design and renovation, maintenance, program scheduling, special events, and funding resources.
730. **Cardiac Rehabilitation.** 3 hrs. Attention is given to components of myocardial infarction and cardiac rehabilitation programs.
735. **Electrocardiography.** 3 hrs. Prerequisite: HPR 706 or equivalent course. This course is designed to provide an understanding of resting and exercise electrocardiogram.
742. **Program Design in Human Performance.** 3 hrs. Fundamental principles and bases of curriculum construction for physical education programs in school and non-school instructional settings.
744. **Foundations and Trends in Human Performance and Recreation.** 3 hrs. Historical trends and current issues surrounding the development of the sub-disciplines within human performance and emerging professions.
745. **Analysis of Teaching and Supervision in Physical Education.** 3 hrs. Prerequisite: HPR 723 or instructor approval. Issues and techniques in supervision of teaching in physical education. Advanced methods in analysis of teacher/student behavior and content development.
780. **Graduate Seminar.** 1 hr. May be repeated for a total of 2 hours. Current trends and issues in human performance.
790. **Seminar in Recreation.** 3 hrs. A seminar course pertaining to selected current professional topics in all areas of recreational study.
791. **Research.** 1-16 hrs. Prerequisite: Permission of Department Head. Topics and procedures must be approved by graduate advisory committee. For doctoral students only.
792. **Special Problems.** 3 hrs.
796. **Practicum.** 2-6 hrs. Prerequisite: Permission of instructor. Designed to provide doctoral students with opportunities for practical applications of relevant theories in professional field settings.
797. **Independent Study and Research.** Hours arranged. Not to be counted as credit toward a degree. Students actively working on a dissertation, consulting with the major professor and/or using other resources of the University may enroll

in this course. Students who are not in residence and are not enrolled in, at least, 3 hours of dissertation but who are actively working on a dissertation, consulting with the major professor, and/or using other resources of the University must enroll in this course for at least 3 hours each semester.

801. **Physiology of Aging.** 3 hrs. The study of the physiological basis of human aging through examination of organ systems and the impact of physical activity on the aging process.
805. **Advanced Exercise Physiology II.** 3 hrs. Prerequisite: HPR 701. Emphasis on systems of energy delivery and utilization, enhancement of energy capacity, and work performance. Concurrent enrollment in HPR 805L required.
- 805L. **Advanced Exercise Physiology II Laboratory.** 2 hrs. Prerequisite: HPR 701. Co-requisite: HPR 805. Application of advanced laboratory in techniques in the study of human performance.
807. **Functional Evaluation and Exercise Testing.** 3 hrs. Emphasis will be placed on functional anatomy, exercise, physiology, pathophysiology and electrocardiography.
821. **Advanced Administration of Human Performance Programs.** 3 hrs. Prerequisite: HPR 720 or HPR 670, instructor permission. Analysis of leadership and supervision for effective management of collegiate human performance programs.
831. **Gross Anatomy.** 3 hrs. Prerequisite: HPR 703. Special attention is given to osteology, myology, and neurology, with hands-on dissection experience acquired from cadaveric specimens. Concurrent enrollment in HPR 831L required.
- 831L. **Gross Anatomy Laboratory.** 2 hrs. Prerequisite: HPR 703. Co-requisite: HPR 831. Designed to study dissection techniques and to provide opportunity for doctoral level students to dissect cadaveric specimens.
833. **Nutrition and Human Performance.** 3 hrs. The study of diets and dietary ingredients thought to increase physical capacity with special attention paid to ongoing research in nutrition and athletic performance.
834. **Advanced Biomechanics.** 3 hrs. Prerequisite: HPR 703. The study of the mechanical foundations and advanced analytical techniques of human motion.
840. **Professional Preparation in Human Performance.** 3 hrs. Prerequisite: Permission of instructor. This course is designed to develop understandings and skills in a prospective faculty member deemed most critical for success within HPERD professional preparation fields..
845. **Research on Teaching Physical Education.** 3 hrs. Prerequisite: HPR 745. The analysis, synthesis, and evaluation of past and present research concerning teaching effectiveness in psychomotor skill instruction.
898. **Dissertation.** 12 hrs. Credit deferred until dissertation completed.

Hydrographic Science (HYD)

600. **Classical Geodesy.** 4 hrs. Prerequisite: Permission of instructor. Introduction to determination of curvature, shape, and dimensions of the earth, and to positions of ocean bottom features and topography.
601. **Hydrographic Data Management.** 3 hrs. Prerequisite: Permission of instructor. The methods of data acquisition and control, capture, processing and analysis applied to construction of navigational charts.
602. **Marine Geology for Hydrographers.** 2 hrs. Prerequisite: Permission of instructor. Fundamental information on marine geological processes oriented towards application by hydrographers.
603. **Law and Policy for Hydrographic Science.** 1 hr. Prerequisite: Permission of instructor. The course focuses on law and ocean policy issues, in seminars and classroom discussions, which are relevant to Hydrographic Science.
604. **Satellite Geodesy and Positioning.** 3 hrs. Prerequisite: Permission of instructor. The use of satellites in geodesy, positioning, navigation, and altimetry demonstrated through classroom lectures and practical exercises.
605. **Applied Bathymetry.** 3 hrs. Prerequisite: MAR 581 or MAR 666 or equivalent. An application of ocean acoustic and transducer principles to the methods of measuring and recording the shape of the sea bed.
606. **Nautical Cartography and GIS.** 3 hrs. Prerequisite: Permission of instructor. Skill in use of Geographical Information Systems (GIS) is developed for application to nautical cartography.
608. **Practical Hydrographic Science.** 2 hrs. Prerequisite: HYD 601, 605, 606, and permission of instructor. Practical aspects of planning, conducting, and evaluating results of hydrographic projects.
609. **Nautical Science.** 1 hr. Prerequisite: Permission of instructor. This course will provide the student with a basic

620. **Math Concepts for Hydrographers.** 1 hr. Prerequisite: Permission of instructor. Application of mathematical and statistical concepts for hydrographic science.
696. **Capstone Review.** 3 hrs. Prerequisite: Permission of instructor. A literature-based research project dealing with a specific problem or issue relevant to the field of Hydrographic Science.

Industrial Engineering Technology (IET)

505. **Production and Inventory Control Systems.** 3 hrs. Corequisite: IET 505L. Principles of production and inventory planning and control. Forecasting techniques, EOQ, MRP, production scheduling, line balancing, CPM/PERT.
- 505L. **Production and Inventory Control Systems.** 0 hrs. Corequisite: IET 505.
506. **Industrial Automation.** 3 hrs. Automation and its implications to industrial processes, economics, and interpersonal relations.
507. **Personnel in Technology.** 3 hrs. The procurement, development, and utilization of technical personnel.
- 508 IET 505.

557. **Computer Applications in Libraries.** 3 hrs. Examine the various applications in which microcomputers are and will be utilized in different types of information centers and libraries.

558. **Internet Resources and Applications.**

688. **Advanced Topics in Information Systems Management.** 3 hrs. A comprehensive study of various aspects of contemporary information technologies and their uses for business decision support.
692. **Special Problems in Management Information Systems.** 3 hrs. A problem study to be approved by department chair.

Marine Science (MAR)

501. **Biological Oceanography.** 3 hrs. Marine biological regimes and the influence of geological, physical, and chemical oceanographic features.
- 501L. **Biological Oceanography Laboratory.** 1 hr. A laboratory for MAR 501.
502. **Marine Environmental Science.** 3 hrs. A study of the problems that affect the coastal and nearshore environments of the Gulf of Mexico.
503. **Marine Invertebrate Zoology.** 3 hrs. Morphology, distribution and ecology of the phyla from Protozoa through Protochordates. May be taken as BSC 521 or COA 528.
- 503L. **Marine Invertebrate Zoology Laboratory.** 3 hrs. Corequisite: MAR 503. May be taken as BSC 521L or COA 528L.
504. **Parasites of Marine Animals.** 3 hrs. Prerequisite: Permission of instructor. Emphasis on morphology, taxonomy, life histories, and host-parasite relationships. May be taken as BSC 524 or COA 553.
- 504L. **Parasites of Marine Animals Laboratory.** 3 hrs. Corequisite: MAR 504. May be taken as BSC 524L or COA 553L.
505. **Marine Ecology.** 3 hrs. The relationship of marine organisms to their environment. May be taken as BSC 539 or COA 546.
- 505L. **Marine Ecology Laboratory.** 2 hrs. Corequisite: MAR 505. May be taken as BSC 539L or COA 546L.
506. **Fauna and Faunistic Ecology of Tidal Marshes.** 2 hrs. Taxonomy, distribution, trophic relationships, reproductive strategies and adaptation of tidal marsh animals. May be taken as BSC 548 or COA 547.
- 506L. **Fauna and Faunistic Ecology of Tidal Marshes Laboratory.** 3 hrs. Corequisite: MAR 506. May be taken as BSC 548L or COA 547L.
507. **Marine Aquaculture.** 3 hrs. Problems and procedures relating to the culture of commercially important crustaceans, fish, and mollusks. May be taken as BSC 547 or COA 524.
- 507L. **Marine Aquaculture Laboratory.** 3 hrs. Corequisite: MAR 507. May be taken as BSC 547L or COA 524L.
508. **Marine Ichthyology.** 3 hrs. Lecture and laboratory survey of marine chordates, including fishes, reptiles, mammals, and shore birds. May be taken as COA 521.
- 508L. **Marine Ichthyology Laboratory.** 3 hrs. Corequisite: MAR 508. May be taken as COA 521L.
509. **Marine Microbiology.**

- 530L. **Comparative Histology of Marine Organisms Laboratory.** 3 hrs. Corequisite: MAR 530. May be taken as BSC 568L or COA 556L.
541. **Marine Chemistry.** 3 hrs. Prerequisites: BSC 111, CHE 352, MAT 179 or permission of instructor. Sea water chemistry and cycles and their impact on the marine environment.
- 541L. **Marine Chemistry Laboratory.** 1 hr. Corequisite: MAR 541. A laboratory designed to accompany MAR 541.
543. **Environmental Estuarine Chemistry.** 3 hrs. Prerequisites: BSC 111, CHE 256, and MAT 179 or permission of instructor. Corequisite: MAR 543L. Sources, reactions, transport, fate and effects of environmental chemical species in aquatic environments with special emphasis on estuaries. May be taken as COA 506.
- 543L. **Environmental Estuarine Chemistry Laboratory.** 1 hr. Corequisite: MAR 543. A laboratory designed to accompany MAR 543. May be taken as COA 506L.
556. **Techniques in Marine Science Education.** 3 hrs. Prerequisite: Permission of instructor. Designed to acquaint teachers with the marine resources of the Mississippi Coastal Zone. May be taken as SME 556 or COA 587.
557. **Marine Science for Teachers.** 3 hrs. Prerequisite: Permission of instructor. Emphasis will be placed on measurements and analysis of the marine habitat and ecological relationships. May be taken as SME 557 or COA 588.
558. **Marine Science for Elementary Teachers.** 3 hrs. Prerequisite: Permission of instructor. Designed to acquaint teachers with marine science concepts. May be taken as SME 535 or COA 585.
559. **Coastal Ecology for Teachers.** 3 hrs. Prerequisite: Permission of instructor. Corequisite: MAR 559L. Designed to provide teachers with a background in basic coastal ecology. May be taken as SME 559 or COA 586.
- 559L. **Coastal Ecology for Teachers Laboratory.** 1 hr. Prerequisite: Permission of instructor. Corequisite: MAR 559. May be taken as SME 559L or COA 586L.
561. **Physical Oceanography.** 3 hrs. Prerequisites: PHY 112, or 202 and MAT 179 or permission of instructor. An introduction to the physical properties and processes of the oceans. May be taken as PHY 571.
- 561L. **Physical Oceanography Laboratory.** 1 hr. A laboratory designed to accompany MAR 561.

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511. **Accounting for Decision Making.** 3 hrs. Prerequisite: Computer literacy. A conceptual study of financial and managerial accounting principles designed to enable decision makers to properly use accounting information in making decisions.
520. **Economic Analysis for Managers.** 3 hrs. Prerequisites: Computer literacy, calculus. Micro-economic and macro-economic analysis as applied to managerial decision making. See also ECO 520.
530. **Operations Management.** 3 hrs. An analysis of modern operations management in terms of efficiency, productivity, quality, and service to the customer.
546. **Legal Environment of Management.** 1.5 hrs. A survey of the major legal considerations affecting managerial decision making.
550. **Marketing Foundations.** 3 hrs. An analysis of marketing functions, concepts, and practices in managerial decision making. See also MKT 550.
570. **Managerial Finance.** 3 hrs. Prerequisites: Computer literacy; MBA 511 or the equivalent. A study of financial analysis in managerial decision making. See also FIN 570.
580. **Management Information Systems.** 3 hrs. Prerequisite: Computer literacy. An analysis of the impact of information systems and technology on organizations. See also MIS 580.
598. **International Business Seminar Abroad.** 3-6 hrs.
600. **Business and Society.** 3 hrs. Prerequisite: Admission to MBA or MPA program. An examination of internal and external factors influencing decision making with an emphasis on ethics, civic responsibility, social responsiveness, and professional values.
605. **Problems in Marketing Management.** 3 hrs. Prerequisite: MBA 550 or the equivalent. Applications of analytical and communication skills in solving complex marketing problems. See also MKT 605.
610. **Analytical Decision Making in Business.** 3 hrs. Prerequisite: Computer literacy. An analysis of the impact of information systems and technology on organizations. See also MIS 580.

513074 Management

- 518.* **Linear Programming**, 3 hrs. Prerequisite: MAT 326. Convex sets, linear inequalities, extreme-point solutions, simplex procedure, applications.
- 519.* **Optimization in Mathematical Programming**, 3 hrs. Prerequisites: MAT 280, and 418 or 518. Selected topics in optimization from linear and nonlinear programming.
520. **Probability and Mathematical Statistics II**, 3 hrs. Prerequisite: MAT 320. Central limit theorem, estimation, hypothesis tests.
521. **Number Theory**, 3 hrs. Prerequisite: MAT 340. Induction, well ordering, division algorithm, Euclidean algorithm, Fundamental Theorem of Arithmetic, number theoretic functions, congruences.
523. **Modern Algebra I**, 3 hrs. Prerequisite: MAT 340. Elementary notions in groups, Fundamental Theorem of Finitely Generated Groups, permutation groups, quotient groups, the isomorphism theorems, applications of transformation groups.
524. **Modern Algebra II**, 3 hrs. Prerequisite: MAT 423 or 523. Survey of standard algebraic systems: rings, integral domains, fields, modules, polynomial rings, quotient rings, fields of quotients.
526. **Linear Algebra II**, 3 hrs. Prerequisite: MAT 326. Determinants; polynomials; complex numbers; single linear transformations; orthogonal, unitary, and symmetric linear transformations.
536. **Theory of Functions of a Complex Variable I**, 3 hrs. Prerequisite: MAT 280. Complex numbers and functions, limits, continuity, differentiation, analytic functions, branches, contour integration, series.
537. **Graph Theory**, 3 hrs. Prerequisite: MAT 340. An introduction to graphs and a sampling of their numerous and diverse applications.
539. **Combinatorics**, 3 hrs. Prerequisites: MAT 326, 340, and 169 or 179. Counting and enumeration techniques, inversion formulas and their applications, and counting schemata relative to permutations of objects.
541. **Advanced Calculus I**, 3 hrs. Prerequisites: MAT 280 and 340. Point set theory, sequences, continuity, uniform continuity, limits, mean value theorems, L'Hospital's rule.
542. **Advanced Calculus II**, 3 hrs. Prerequisite: MAT 441 or 541. Riemann integration, Taylor's theorem, improper integrals, infinite series, uniform convergence.
- 560.* **Numerical Analysis I**, 3 hrs. Prerequisites: MAT 280, 326, and knowledge of a programming language. Methods of solving equations and systems of equations, error analysis, difference equations.
- 561.* **Numerical Analysis II**, 3 hrs. Prerequisites: MAT 285, and 460 or 560. Interpolating polynomials, numerical differentiation and integration, numerical solutions of differential equations, roundoff error.
- * *Students will use University computers and appropriate software as a part of course requirements.*
572. **Modern Geometry**, 3 hrs. Prerequisite: MAT 280, 316 or 326, and 340. Heuristic and analytic treatment of a branch of modern geometry, such as projective or differential geometry.
575. **General Topology**, 3 hrs. Prerequisite: MAT 169 or 179, and 340. General topological spaces, bases and subbases, continuity.
581. **History of Mathematics**, 3 hrs. Prerequisite: MAT 167 or 178. The history of mathematics from antiquity through the 17th century. (Does not count as program credit for M.S. in mathematics.)

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629. **Applied Combinatorics and Graph Theory.** 3 hrs. Prerequisite: CSC 616 or permission of instructor. Combinatorial/graphical techniques for complexity analysis recurrence relations, Polya theory, NP complete problems. May also be taken as CSC 629.
636. **Functions of a Complex Variable II.** 3 hrs. Prerequisite: MAT 436 or 536. Taylor and Laurent series, residue calculus, conformal mapping with applications, integral formulas of the Poisson type, analytic continuation.
641. **Functions of a Real Variable I.** 3 hrs. Prerequisite: MAT 442 or 542. Foundations of real analysis and introduction to Lebesgue integration.
642. **Functions of Real Variable II.** 3 hrs. Prerequisite: MAT 641. Continuation of MAT 641.
650. **Computer Assisted Mathematics I.** 3 hrs. Prerequisite: Permission of instructor. Applications of computer algebra software to mathematical modeling. Modeling projects and experiments employing both numeric and symbolic

- 502L. **Clinical Bacteriology I Laboratory.** 1 hr. Prerequisite: MTC 300, 300L, BSC 380, 380L or permission of instructor. Corequisite: MTC 502.
503. **Clinical Mycology.** 1 hr. Prerequisite: Admission to the practicum or permission of department. Corequisite: MTC 503L. The study of pathogenic fungi, emphasis is placed on laboratory methods of isolation and identification of medically important fungi—research component.
- 503L. **Clinical Mycology Laboratory.** 1 hr. Prerequisite: Admission to the practicum. Corequisite: MTC 503.
504. **Clinical Chemistry I.** 3 hrs. Prerequisite: BSC 110, 110L, CHE 420, 420L, or permission of instructor. Co- or prerequisite: MTC 300, 300L. Corequisite: MTC 504L. The chemical analysis of body fluids—research component.
- 504L. **Clinical Chemistry Laboratory.** 2 hrs. Prerequisite: CHE 420, 420L or permission of instructor. Co- or prerequisite: MTC 300, 300L. Corequisite: MTC 504.
505. **Clinical Parasitology I.** 1 hrs. Prerequisite: Admission to practicum or permission of department. Corequisite: MTC 505L. Study of medically significant protozoan and helminthic parasites and their vectors. Emphasis is placed on laboratory methods of detection and identification of these organisms—research component.
- 505L. **Clinical Parasitology Laboratory.** 1 hr. Prerequisite: Admission to practicum. Corequisite: MTC 505.
506. **Fundamentals of Hematology.** 3 hrs. Prerequisite: BSC 110, 110L, MTC 300, 300L, or permission of instructor. Corequisite: MTC 506L. An introduction to the study of blood and blood forming organs—research component.
- 506L. **Fundamentals of Hematology Laboratory.** 1 hr. Prerequisite: MTC 300, 300L. Corequisite: MTC 506.
507. **Clinical Immunodiagnosics I.** 2 hrs. Prerequisite: Admission to practicum or permission of department. Corequisite: MTC 507L. An introduction to immunodiagnostic testing, theory, and practical experience involving antigen-antibody reactions in relation to disease in humans—research component.
- 507L. **Clinical Immunodiagnosics I Laboratory.** 1 hr. Prerequisite: Admission to practicum. Corequisite: MTC 507.
508. **Clinical Immunohematology.** 3 hrs. Prerequisite: Admission to practicum or permission of department. Corequisite: MTC 508L. The theory and techniques of donor selection, processing blood for transfusion, and resolving incompatibilities—research component.
- 508L. **Clinical Immunodiagnosics Laboratory.** 1 hr. Prerequisite: Admission to the practicum. Corequisite: MTC 508.
509. **Clinical Chemistry II.** 3 hrs. Prerequisite: Admission to practicum or permission of the department. Corequisite: MTC 509L. The chemical analysis of body fluids—research component.
- 509L. **Clinical Chemistry II Laboratory.** 1 hr. Prerequisite: Admission to the practicum. Corequisite: MTC 509.
510. **Special Chemistry.** 1 hr. Prerequisite: Admission to the practicum or permission of the department. Corequisite: MTC 510L. Introduction to therapeutic drug monitoring and clinical toxicology with special emphasis on pathophysiology and analyte measurement.
- 510L. **Special Chemistry Laboratory.** 1 hr. Prerequisite: Admission to the practicum. Corequisite: MTC 510.
511. **Coagulation.** 1 hr. Prerequisite: Admission to the practicum or permission of the department. Corequisite: MTC 511L. The study of hemostasis in the human and its application to clinical laboratory testing, normal and abnormal.
- 511L. **Coagulation Laboratory.** 1 hr. Prerequisite: Admission to practicum. Corequisite: MTC 511.
512. **Principles of Clinical Administration and Education.** 1 hr. Prerequisite: Admission to practicum or permission of department. Introduction of basic principles of clinical laboratory administration and education—research component.
515. **Introduction to Clinical Immunology.** 3 hrs. Pre- or Corequisite: MTC 202 and 203. Function of the immune system and its relationship to diagnostic methods.
522. **Clinical Bacteriology II.** 3 hrs. Prerequisite: Admission to the practicum or permission of department. Corequisite: MTC 522L. Laboratory methods of isolation, identification, and other testing of pathogenic bacteria and their etiologic role in disease—research component.
- 522L. **Clinical Bacteriology II Laboratory.** 1 hr. Prerequisite: Admission to practicum. Corequisite: MTC 522.
526. **Hematology I.** 3 hrs. Prerequisite: Admission to the practicum or permission of department. Corequisite: MTC 526L.

558. **Blood Bank.** 3 hrs. Prerequisite: Successful completion of Phase I of practicum. Clinical education at one of the affiliated hospital laboratories—research component.
559. **Clinical Chemistry III.** 4 hrs. Prerequisite: Successful completion of Phase I of practicum. Clinical education at one of the affiliated hospital laboratories—research component.
601. **Laboratory Science for Nursing.** 1 hr. Investigation of laboratory medicine topics relevant to nursing.
602. **Comparative Diagnosis of Microbial Pathogens.** 3 hrs. Prerequisites: BSC 380 and MTC 515 or BSC 586 or permission of instructor. Comparative diagnostic techniques including culture, microscopy, immunodiagnostic, and nucleic acid probes.
604. **Clinical Oncology.** 3 hrs. Prerequisite: Biochemistry, or molecular biology, or permission of instructor. Introduction to the biological, clinical, and research aspects of cancer.
609. **Clinical Endocrinology.** 3 hrs. Prerequisite: Biochemistry or clinical chemistry or permission of instructor. Introduction to the biological, clinical, and pathological aspects of human endocrinology.
612. **Clinical Laboratory Program Development.** 3 hrs. Prerequisite: Clinical laboratory experience or permission of instructor. Concepts of program development unique to the clinical setting.
615. **Clinical Laboratory Management.** 3 hrs. Prerequisite: Clinical laboratory experience or permission of instructor. Concepts of management unique to the clinical laboratory setting.
689. **Medical Technology Seminar.** 1 hr. Presentation of current material related to clinical medicine.
691. **Research.** 1-6 hrs.
692. **Special Problems in Medical Technology.** 1-8 hrs. Individuals will be assigned some specific clinical problem in medical technology to investigate under faculty direction.
697. **Independent Study and Research.** Hours arranged. Not to be counted as credit toward a degree. Students actively working on a thesis, consulting with the major professor and/or using other resources of the University may enroll in this course. Students who are not in residence and are not enrolled in, at least, 3 hours of thesis but who are actively working on a thesis, consulting with the major professor, and/or using other resources of the University must enroll in this course for at least 3 hours each semester.
698. **Thesis.** 1-6 hrs. for a total of 6 hrs.

Music (MUS)

500. **Writing About Music.** 1 hr. The practices governing the scholarly writing about music (i.e., research paper, thesis, prospectus, dissertation) along with an introduction to the style manuals that guide such writing.
531. **History of Opera.** 3 hrs. The history of musical theatre from Greek drama to present. Open to non-music majors with permission of instructor.
532. **Music in the United States.** 3 hrs. A study of the development of music in North America. Open to non-music majors with permission of instructor.
533. **20th Century Music.** 3 hrs. Examination of music trends since Debussy and Mahler. Open to non-music majors with permission of instructor.
534. **Ancient, Medieval, and Renaissance Music.** 3 hrs. A study of the rise of music in the ancient world, the beginning of western music and of polyphony. Open to non-music majors with permission of instructor.
535. **Baroque Music.** 3 hrs. The development of musical styles and forms from Monteverdi through J.S. Bach. Open to non-music majors with permission of instructor.
536. **18th Century Music.** 3 hrs. The development of classical styles and forms, emphasis on style galant, empfindsamer stil and the Viennese classicists. Open to non-music majors with permission of instructor.
537. **19th Century Music.** 3 hrs. The development of musical romanticism, emphasis on the expansion of classical forms, and the appearance of new stylistic concepts. Open to non-music majors with permission of instructor.
540. **Vocal Literature.** 2 hrs.
541. **Vocal Literature.** 2 hrs. A continuation of MUS 540.
542. **Keyboard History and Literature I.** 3 hrs. The history and literature of keyboard music from pre-Baroque times to the present.
544. **Organ Literature.** 2 hrs.
545. **Organ Literature.** 2 hrs. A continuation of MUS 544.
546. **Instrumental Literature.** 2 hrs.
548. **Choral Literature I.** 3 hrs. A survey of choral literature. Study will include materials suitable for school and church choirs as well as standard masterworks.
549. **Choral Literature II.** 3 hrs. Selected topics in choral literature, post-Baroque.

550. **Symphonic Literature.** 3 hrs. A history of and literature for the symphony orchestra from 1600 to the present. Open to non-music majors with permission of instructor.
551. **Chamber Music.** 3 hrs. A survey of music for small instrumental ensembles. Open to non-music majors with permission of instructor.
553. **Church Music Literature and Materials.** 3 hrs. Church music repertoire for all choirs and handbells. Supplementary materials such as teaching aids will be included.
560. **Administration of Church Music.** 3 hrs. Administrative procedures for total music program of the church, including basic philosophy, planning, budgeting, promotion, training music leaders, and developing program goals.
562. **Hymnology.** 3 hrs. The history of the Christian hymn from its roots to present-day form.
571. **Seminar in Masterpieces of Music.** 3 hrs. Prerequisite: MUS 232 or consent of instructor. A thorough exploration of major compositions from all musical media. May be taken two times. May be taken by non-music majors with the consent of instructor.
599. **British Studies: Music in Britain Today.** 3 to 6 hrs.
620. **Music Theory Survey.** 3 hrs. A survey of harmonic, melodic, and rhythmic elements of tonal music. Will not apply towards any doctoral degree or a degree with composition emphasis.
630. **Music History Survey.** 3 hrs. A survey of the major periods of the history of music with emphasis on significant works. Sources useful in the investigation of music are surveyed. Will not apply towards a doctoral degree.
692. **Special Problems.** 1-3 hrs. each. Investigation of specialized areas of interest. May be repeated.
697. **Independent Study and Research.** Hours arranged. Not to be counted as credit toward a degree. Students actively working on a thesis, consulting with the major professor and/or using other resources of the University must enroll in this course. Students who are not in residence and are not enrolled in, at least, 3 hours of thesis but who are actively working on a thesis, consulting with the major professor, and/or using other resources of the University must enroll in this course for at least 3 hours each semester.
698. **Thesis.** 1-6 hrs. for a total of 6 hrs.
702. **Bibliography for Music Research.** 3 hrs. An extensive examination of research materials, including music and non-music reference works.
711. **Pedagogy of Theory.** 3 hrs. A course in the teaching of music theory in the senior high school as well as the college level.
713. **Seminar in Music Theory.** 2 hrs. For theory and composition majors; open to others with permission of instructor.
714. **Composition Project.** 6 hrs. Open to students with a major in theory and composition.
715. **Recital.** 1-3 hrs. Prerequisite: Permission of music performance studies instructor and approval by the major professor. Grade of E may be awarded.
721. **Analytical Techniques.** 3 hrs. A course designed to develop technique in analysis of music from the time of early polyphony through the Baroque period.
722. **Analytical Techniques.** 3 hrs. A course designed to develop techniques in analysis of music in the Classical and Romantic periods.
723. **Seminar in 20th Century Compositional Techniques.** 3 hrs. A seminar in techniques utilized by composers in the 20th century. Emphasis will be placed on analysis of selected works.
724. **Pre-Baroque Counterpoint.** 2 hrs. Contrapuntal writing up to eight parts. Prerequisite: MUS 321 or permission of instructor.
725. **Tonal Counterpoint.** 2 hrs. Contrapuntal writing culminating in the fugue. Prerequisite: MUS 322 or permission of instructor.
727. **Advanced Orchestration.** 3 hrs. May be taken three times. Prerequisites: MUS 401 or permission of instructor.
731. **Seminar in Performance Practices I.** 3 hrs. A study of the conductor's and performer's problems in the interpretation and performance of vocal and instrumental music of the 17th and 18th centuries.
732. **Seminar in Performance Practices II.** 3 hrs. A study of the conductor's and performer's problems in the interpretation and performance of vocal and instrumental music of the 19th and 20th centuries.
752. **Band Literature II.** 3 hrs. A survey of band literature, grades V and above.
761. **Topics in Music Literature.** 3 hrs. A course designed to expand the student's knowledge of music literature through a period, historical, or school approach. May be repeated.
786. **Concert Band Arranging.** 3 hrs. Prerequisite: MUS 401 or permission of instructor. Designed to provide the arranger with essential techniques of scoring for concert band, with special focus on existing concert band music.
787. **Arranging for School Choruses.** 3 hrs. Designed to focus on selected choral music and to provide the arranger with essential techniques of scoring for school chorus.

791. **Research in Music.** 1-16 hrs.
792. **Special Problems.** 1-3 hrs. each, arr. Investigation of specialized areas of interest. May be repeated.
794. **Major Solo Role in an Opera.** 1 hr. Permission of instructor and simultaneous enrollment in Opera Theatre are required.
797. **Independent Study and Research.** Hours arranged. Not to be counted as credit toward a degree. Students actively working on a dissertation, consulting with the major professor and/or using other resources of the University may enroll in this course. Students who are not in residence and are not enrolled in, at least, 3 hours of dissertation but who are actively working on a dissertation, consulting with the major professor, and/or using other resources of the University must enroll in this course for at least 3 hours each semester.
821. **Advanced Analytical Techniques.** 3 hrs. An in-depth analysis of selected works prior to 1750. Prerequisite: MUS 721 or permission of music theory faculty.
822. **Advanced Analytical Techniques.** 3 hrs. An in-depth analysis of selected works chosen from the Classical and Romantic periods. Prerequisite: MUS 722 or permission of the music theory faculty.
823. **Advanced Analytical Techniques.** 3 hrs. An in-depth analysis of selected works chosen from the 20th century. Prerequisite: MUS 723 or permission of the music theory faculty.
870. **First Doctoral Solo Recital.** 3 hrs. Prerequisite: Permission of applied music instructor and approval of the major professor. Grade of E may be awarded.
871. **Doctoral Lecture Recital.** 3 hrs. A lecture, delivered by the doctoral candidate, that includes a performance in which the candidate is a principal performer. Prerequisite: Permission of applied music instructor and approval of the major professor. Grade of E may be awarded.
872. **Second Doctoral Solo Recital.** 1 hr. Prerequisite: Permission of applied music instructor and approval of the major professor. Grade of E may be awarded.
873. **Concerto Performance with Band or Orchestra.** 1 hr. Prerequisite: Permission of applied music instructor and approval of the major professor. Grade of E may be awarded.
874. **Major Solo Role in an Opera.** 1 hr. Permission of applied music instructor and approval of the major professor. Grade of E may be awarded.
875. **Major Solo Role in Oratorio.** 1 hr. Prerequisite: Permission of music performance studies instructor and approval of the major professor. Grade of E may be awarded.
876. **Chamber Music Recital.** 1 hr. Prerequisite: Permission of music performance studies instructor and approval of the major professor. Grade of E may be awarded.
898. **Dissertation.** 12 hrs.

Music Education (MED)

501. **Marching Band Methods.** 3 hrs. Techniques for developing marching band programs. Emphasis placed upon music selection, rehearsal organization and drill charting techniques. Provides tools for administering and directing marching band programs.
502. **Advanced Computer-Assisted Marching Band Drill Design.** 3 hrs. Introduction to writing marching band drill design. Provides charting-proficient students with skills in developing form and flow. Includes computer lab time.
524. **Instrument Repair.** 3 hrs. Designed to give practical experience in preventive maintenance, minor repair and adjustment of string, woodwind, brass and percussion instruments.
529. **Piano Tuning and Repair.** 3 hrs. Study of basic techniques of tuning and repairing pianos.
538. **Seminar in Band Literature I.** 3 hrs. A study, based upon student needs, of selected masterworks for band. May be repeated.
544. **Arranging for Marching Band.** 3 hrs. Designed to provide the arranger with the essential techniques of scoring for the outdoor band. Course will focus on the study of existing arrangements.
550. **Vocal Pedagogy.** 2 hrs. Techniques, practices, and materials used in teaching voice; practical experience in teaching voice.
551. **Advanced Vocal Pedagogy.** 2 hrs. Advanced study of pedagogical materials.
590. **Piano Workshop.** 1-3 hrs. A course designed to meet the needs of the piano teacher, including a survey of standard materials together with a presentation of modern teaching methods. Cannot be applied toward a music degree. May be repeated.
591. **Instrumental Workshop.** 1-3 hrs. May be repeated. Cannot be applied toward a music degree.
592. **Choral Workshop.** 1-3 hrs. May be repeated. Cannot be applied toward a music degree.
593. **Elementary Music Workshop.** 1-3 hrs. Intensive examination of current problems, trends, and materials in the field of elementary music education. Cannot be applied toward a music degree. May be repeated.

594. **Marching Band Workshop.** 1-3 hrs. May be repeated. Cannot be applied toward a music degree.
595. **Instrumental Conductors Conference.** 2 hrs. May be repeated. Cannot be applied toward a music degree.
596. **Choral Conductors Conference.** 2 hrs. May be repeated. Cannot be applied toward a music degree.
624. **Practicum in Music Education.** 3 hrs. Examination of theory and research on teaching music to pre-college and college age students with subsequent application in a real environment.
692. **Special Problems.** 1-3 hrs. Investigation of specialized areas of interest. May be repeated.
697. **Independent Study and Research.** Hours arranged. Not to be counted as credit toward a degree. Students actively working on a thesis, consulting with the major professor and/or using other resources of the University may enroll in this course. Students who are not in residence and are not enrolled in, at least, 3 hours of thesis but who are actively working on a thesis, consulting with the major professor, and/or using other resources of the University must enroll in this course for at least 3 hours each semester.
698. **Thesis.** 1-6 hrs. for a total of 6 hrs. No thesis will be accepted unless accompanied by an abstract. Theses which employ questionnaires will not be accepted unless accompanied by summaries of the findings to be mailed to respondents.
714. **Administration and Supervision of Elementary and Secondary School Music Programs.** 3 hrs. The organization, supervision, and evaluation of the total music program, including program development, problems of finance, and selection of personnel and equipment.
725. **Foundations and Principles of Music Education.** 3 hrs. Historical and philosophical foundations of the total music education program, and principles of teaching, learning, organization, administration.
731. **Graduate Conducting I.** 3 hrs. Development of conducting skill, rehearsal techniques, study and preparation of scores of standard band, choral, and orchestral repertoire. MED 731 and 732 may be repeated but no more than a total of six hours of conducting may be used for a degree.
732. **Graduate Conducting II.** 3 hrs. A continuation of MED 731. MED 731 and 732 may be repeated but no more than a total of six hours of conducting may be used for a degree.
733. **Conducting Pedagogy.** 3 hrs. Techniques, practices, and materials used in teaching conducting. Includes study of various schools of conducting, identifying students' physical, aural, stylistic problems. Observation of undergraduate conducting classes required.
734. **Woodwind Techniques and Materials.** 2 hrs. A course dealing with the problems of teaching woodwind instruments and a comprehensive study of woodwind literature.
735. **Brass Techniques and Materials.** 2 hrs. A comprehensive survey of teaching techniques for the brasses with a survey of teaching materials emphasizing pedagogy textbooks and books designed for class instruction.
736. **Percussion Techniques and Materials.** 2 hrs. Performance techniques of all percussion instruments and a survey of teaching materials and literature for percussion.
737. **String Techniques and Materials.** 2 hrs. A comprehensive survey of teaching techniques for stringed instruments; survey of teaching materials emphasizing pedagogy textbooks and method books.
738. **Keyboard Techniques and Materials.** 2 hrs. An examination of keyboard literature as it relates to the techniques and practices of piano instruction.
739. **Vocal Techniques and Materials.** 2 hrs. Techniques and procedures for teaching correct vocal production habits; examination of choral literature for secondary school and collegiate levels.
740. **Music Education in the Elementary Schools.** 3 hrs. An advanced course in the development of music education programs for children.
750. **Music in General Education.** 3 hrs. An examination of the role of music in the general education of students throughout the educational system.
755. **The Psychology of Music.** 3 hrs. An examination of issues and theoretical positions in the areas of philosophy of music and of musical learning.
756. **Evaluation and Guidance in Music Education.** 3 hrs. The administration and interpretation of tests of musical talent and musical achievement.
792. **Special Problems.** 1-3 hrs. Investigation of specialized areas of interest. May be repeated.
797. **Independent Study and Research.** Hours arranged. Not to be counted as credit toward a degree. Students actively working on a dissertation, consulting with the major professor and/or using other resources of the University may enroll in this course. Students who are not in residence and are not enrolled in, at least, 3 hours of dissertation but who are actively working on a dissertation, consulting with the major professor, and/or using other resources of the University must enroll in this course for at least 3 hours each semester.
825. **Doctoral Seminar in Music Education.** 3 hrs. Orientation of doctoral study. Studies in the history and philosophy of music education.

826. **Doctoral Seminar in Music Education.** 3 hrs. Prerequisite: MED 825. Primary focus on advanced research methods, techniques, and procedures appropriate to the doctoral level of music education.
828. **Administration of College and University Music Programs.** 3 hrs. A practical course in the principles of administration, organization, and goals of music programs at the college or university level.
898. **Dissertation.** 12 hrs.

Music Performance Studies (MUP)

- 601, 602, +603. **Piano.** 1-4 hrs.
- 604, 605, +606. **Harpsichord.** 1-4 hrs.
- 611, 612, +613. **Organ.** 1-4 hrs.
- 614, 615, +616. **Flute.** 1-4 hrs.
- 617, 618, +619. **Oboe.** 1-4 hrs.
- 620, 621, +622. **Clarinet.** 1-4 hrs.
- 623, 624, +625. **Saxophone.** 1-4 hrs.
- 626, 627, +628. **Bassoon.** 1-4 hrs.
- 629, 630, +631. **Horn.** 1-4 hrs.
- 632, 633, +634. **Trumpet.** 1-4 hrs.
- 635, 636, +637. **Trombone.** 1-4 hrs.
- 638, 639, +640. **Euphonium.** 1-4 hrs.
- 641, 642, +643. **Tuba.** 1-4 hrs.
- 644, 645, +646. **Violin.** 1-4 hrs.
- 647, 648, +649. **Viola.** 1-4 hrs.
- 650, 651, +652. **Cello.** 1-4 hrs.
- 653, 654, +655. **String Bass.** 1-4 hrs.
- 656, 657, +658. **Percussion.** 1-4 hrs.
- 661, 662, +663. **Voice.** 1-4 hrs.
- 664, 665, +666. **Harp.** 1-4 hrs.
- 667, 668, +669. **Guitar.** 1-4 hrs.
671. **Chamber Music.** 1 hr. May be repeated.
672. **Chamber Music: Southern Chamber Winds.** 1 hr. Ensemble devoted to reading, studying, and performing harmonic music, i.e., original works for woodwind ensembles.
678. **Carillon.** 1 hr. Participation by audition only. May be repeated.
679. **Covenant.** 1 hr. Participation by audition only. May be repeated.
680. **Jazz Combo.** 1 hr. May be repeated.
681. **Orchestra.** 1 hr. May be repeated.
682. **Band.** 1 hr. May be repeated.
683. **Southern Chorale.** 1 hr. May be repeated.
684. **Jazz Lab Band.** 1 hr. May be repeated.
685. **Collegium Musicum.** 1 hr. May be repeated.
686. **Oratorio Chorus.** 1 hr. May be repeated.
688. **University Singers.** 1 hr. May be repeated
689. **Chamber Singers.** 1 hr. May be repeated.
690. **Opera Theatre.** 1 hr. May be repeated.
- 691, 692, 693, 694, +695. **Advanced Composition.** 1-3 hrs.
- 701, 702. **Piano.** 1-4 hrs.
- 704, 705. **Harpsichord.** 1-4 hrs.
- 711, 712. **Organ.** 1-4 hrs.
- 714, 715. **Flute.** 1-4 hrs.

717, 718. **Oboe.** 1-4 hrs.
720, 721. **Clarinet.** 1-4 hrs.
723, 724. **Saxophone.** 1-4 hrs.
726, 727. **Bassoon.** 1-4 hrs.
729, 730. **Horn.** 1-4 hrs.
732, 733. **Trumpet.** 1-4 hrs.
735, 736. **Trombone.** 1-4 hrs.
738, 739. **Euphonium.** 1-4 hrs.
741, 742. **Tuba.** 1-4 hrs.
744, 745. **Violin.** 1-4 hrs.
747, 748. **Viola.** 1-4 hrs.
750, 751. **Cello.** 1-4 hrs.
753, 754. **String Bass.** 1-4 hrs.
756, 757. **Percussion.** 1-4 hrs.
761, 762. **Voice.** 1-4 hrs.
764, 765. **Harp.** 1-4 hrs.
767, 768. **Guitar.** 1-4 hrs.
791, 792, +793. **Composition.** 1-3 hrs.**Cello.**

519. **The Computer as a Nursing Tool.** 3 hrs. Exposure to the computer and examination of nursing applications.
522.

- 662L. **Family Nurse Practitioner II.** 3 hrs. Prerequisite: NSG 661, NSG 661L. Corequisite: NSG 662. Clinical opportunities to examine the role of the nurse as a primary care provider with emphasis on management of families.
663. **Family Nurse Practitioner III.** 2 hrs. Prerequisite: NSG 662, NSG 662L. Corequisite: NSG 663L. Theory and research of the role of the nurse as a primary care provider with emphasis on the professional perspective of advanced nursing practice.
- 663L. **Family Nurse Practitioner III.** 4 hrs. Prerequisite: NSG 662, NSG 662L. Corequisite: NSG 663. Clinical opportunities to examine and practice the advanced role of the Family Nurse Practitioner with a professional perspective of advanced nursing practice.
- 664L. **Family Nurse Practitioner Internship.** 3 hrs. Prerequisite: NSG 663, NSG 663L. Student Family Nurse Practitioner will exemplify the role of the nurse practitioner.
677. **Assessment and Intervention for Handicapped Children 0-5.** 3 hrs. Current issues and theories regarding assessment and intervention procedures for at-risk and handicapped young children, birth through 5.
678. **Role in Teaching.** 3 hrs. Prerequisite: NSG 611. Role, change, and conflict theory; evaluation; legal aspects; university governance; student/faculty relations.
- 678L. **Teaching Practicum.** 3 hrs. Prerequisite or corequisite: NSG 611. Application of theories in classroom/clinical teaching, evaluation process, and faculty role in schools of nursing.
- 679L. **Nursing Administration Practicum.** 3 hrs. Required for majors. Prerequisites: NSG 618, 619. Clinical applications relation,rding678.

742. **Models for Organizational Leadership in Health Care.** 3 hrs. Focus on leadership models and related administrative skills for health care agencies/educational units.
743. **Strategic Planning for Service and Education.** 3 hrs. Prerequisite: NSG 741. Focus on principles related to the development, implementation, and evaluation of strategic plans at various organizational levels.
- 744L. **Leadership Practicum.** 3 hrs. Prerequisites: NSG 740, 741, 742 (may be concurrent). Application of leadership theory in a community/agency experience jointly designed by the instructor and student.
745. **Critical Thinking in Nursing.** 3 hrs. Prerequisites: NSG 701, 702, 703, 710, 711. Critical thinking as goal and process in nursing education and nursing practice. Analysis of research literature and application.
760. **Introduction to Nursing and Health Care Policy.**

historical periods of philosophy. The student may repeat this course one time if the course involves a different major issue.

656. **Philosophy of Science.** 3 hrs. An in depth study of the scientific method, the nature of science, hypothesis development, and theory choice.

681. **Departmental Seminar.** 1 hr. Repeatable up to a total of three semester credit hours. Pass/fail only.

691. **Research in Philosophy.** 1-16 hrs. With the approval of the department and under the guidance of the student's major professor, the student will begin research on his/her master's thesis. Pass/fail only.

692. **Special Problems.** 1-6 hrs. A 50 Tm0s study to be approved by the department chairman.

697. **Independent Study and Research.** Hours arranged. Not to be counted as credit toward a degree. Students actively

697. **Independent Study and Research.** Hours arranged. Not to be counted as credit toward a degree. Students actively working on a thesis, consulting with the major professor and/or using other resources of the University may enroll in this course. Students who are not in residence and are not enrolled in, at least, 3 hours of thesis but who are actively working on a thesis, consulting with the major professor, and/or using other resources of the University must enroll in this course for at least 3 hours each semester.
698. **Thesis.** 1-6 hrs. for a total of 6 hours.

Planning (PLG)

550. **Financing Economic and Community Development.** 3 hrs. An examination of the theory and practice of public finance is provided in this course. Topics include fiscal impact assessment of development, capital budgeting, and current policy issues.
561. **Planning and Development Law.** 3 hrs. The legal context for planning and managing land use and development is provided in this course. The course also provides insight into environmental law as applied to planning.
562. **Environmental Planning and Policy.** 3 hrs. This course provides an introduction to the detailed study of environmental planning analysis and methodology as an element in land-use decision-making systems.
563. **Planning and Development Research Methods.** 3 hrs. This course provides an introduction to research techniques for collection, organization, and analysis of information to aid in the planning and development decision-making process.
564. **Physical Infrastructure for Planning and Development.** 3 hrs. The relationships between physical infrastructure and planning and development are explored in this course. Provisions of physical infrastructure at the site and community levels are examined.
565. **Land Use Planning and Policy.** 3 hrs. This course will examine the planning and development procedures which impact the development market such as land suitability analysis and land use plans.
566. **Economic Development Planning for Communities.** 3 hrs. This course provides an introduction to the strategies, programs, and processes used at the community and regional levels to encourage investment and employment opportunities.
569. **Studio Laboratory: Plan Preparation.** 3 hrs. Preparation and presentation of a professional plan as a collaborative student/community effort. May be repeated with change of content for a total of six (6) hours.
570. **Current Issues Seminar.** 3 hrs. This course is designed to allow flexibility in the topic, depending on student interests. The course will begin by an examination of the profession including its evolution, theory base, ethics, and requirements for professional certifications. A current topic will then be selected for exploration, such as transportation planning, sustainable development, or negotiation and conflict management.
599. **Comparative Urban Planning.** 3-6 hrs. This course focuses on urban planning and the development of the urban landscape in the British Isles. Includes lectures, field trips and directed research.
662. **Seminar in Environmental Planning.** 3 hrs. Prerequisite: PLG 462/562 or approval of instructor.
665. **Seminar in Community and Regional Planning.** 3 hrs. An overview of the development and fundamentals of community and regional planning.
667. **Development Dispute Resolution.** 3 hrs. Examines contemporary methods used to resolve urban development disputes.
668. **The Context of Public Planning.** 3 hrs. An examination of the political, social, economic and organizational context of public planning.
669. **Site Planning and Development.** 3 hrs. A study of design, financing, permitting and scheduling of large scale developments.
691. **Internship.** 1-9 hrs. May be repeated for a total of nine hours.
692. **Special Problems.** 1-6 hrs.
697. **Independent Study and Research.** Arr. Not to be counted as credit toward a degree. Students who are not in residence but are actively working on a thesis and consulting with the major professor or making use of the library or other University facilities must enroll in this course.
698. **Thesis.** 1-6 hrs. for a total of 6 hours.

Political Science (PS)

501. **Political Socialization.** 3 hrs. How we learn and what we learn about politics.
502. **Urban Politics.** 3 hrs.
503. **Politics and Environment.** 3 hrs. An examination of the politics of the environment with attention to global and domestic areas and across major ecological issues.
504. **The Legislative Process.** 3 hrs.

721. **Seminar in Political Theory.** 3 hrs. May be taken twice for credit.
730. **Seminar in U.S. Foreign Relations.** 3 hrs. May be taken twice for credit. Prerequisite: Another course in U.S. foreign policy or history of U.S. foreign policy or permission of instructor. A survey of current United State foreign policies and problems.
731. **Seminar in International Relations.** 3 hrs. May be taken twice for credit. A survey and analysis of classical and modern world politics.
750. **Seminar in Comparative Government and Politics.** 3 hrs. May be taken twice for credit. Prerequisite: One or more courses in comparative government or permission of the instructor. A research-type course in which each student will make an intensive study of the political institutions of one country, or of a group of countries having similar governments.
770. **Seminar in Public Administration.** 3 hrs. May be taken twice for credit.
781. **Seminar in Public Law.** 3 hrs. May be taken twice for credit. Prerequisite: A course in constitutional law or consent of the instructor. A research course in which the students examine in depth various aspects of the judicial system and its relationship to other elements in the political process.
799. **British Studies: Advanced Seminar in British Politics.** 3-6 hrs. Lecture Series and research in British politics offered abroad under the auspices of the College of International and Continuing Education.

Polymer Science (PSC) **(Please see Forensic Science-FSC)**

510. **Safety Principles and Procedures in the Chemical Sciences.** 1 hr. Common laboratory hazards and their remediation.
550. **Polymer Characterization.** 3 hrs. Macromolecular chemical structure and morphological characterization using state-of-the-art spectroscopic techniques and methods
- 550L. **Laboratory for PSC 550.** 1 hr.
570. **Surface Coatings.** 4 hrs. Study of the physical and chemical properties of the pigments, binders, solvents, and additives employed in surface coatings formulations, paint formulation, dispersion techniques, surface preparation, paint testing, non-polluting application techniques, and surface coatings formulations analysis.
- 570L. **Laboratory for PSC 570.** 1 hr.
691. **Research in Polymer Science.** 1-16 hrs. May be repeated.
697. **Independent Study and Research.** Hours arranged. Not to be counted as credit toward a degree. Students actively working on a thesis, consulting with the major professor and/or using other resources of the University may enroll in this course. Students who are not in residence and are not enrolled in at least 3 hours of thesis, but who are actively working on a thesis, consulting with the major professor, and/or using other resources of the University, must enroll in this course for at least 3 hours each semester.
698. **Thesis.** 1-6 hrs. for a total of 6 hrs.
701. **Organic Polymer Chemistry I.** 3 hrs. Reaction mechanisms, polymer concepts, step- growth polymerization, and polymer reactivity.
702. **Organic Polymer Chemistry II.** 3 hrs. Kinetics, free radical reaction mechanisms, homogeneous chain growth polymerization of vinyl compounds, copolymerization, and degradation of polymers.
703. **Organic Polymer Chemistry III.** 3 hrs. Methods of studying stereochemistry of polymers, anionic and cationic polymerization, and polymerization via homo- and heterogeneous catalysis.
710. **Polymer Physical Chemistry I: Solution Properties.** 3 hrs. A study of polymer chain conformation, solution thermodynamics, phase equilibria, and transport phenomena.
711. **Polymer Physical Chemistry II: Characterization.** 3 hrs. Polymer characterization to include light scattering, end group analysis, osmometry, fractionation, viscometry, gel permeation chromatography, and molecular weight distributions.
712. **Polymer Physical Chemistry III: Solid State.** 3 hrs. Morphology, crystallization, entropyelasticity, viscoelasticity, glass transition, interfaces of polymers.
- 720, 721. **Polymer Techniques I, II.**

797. **Independent Study and Research.** Hours arranged. Not to be counted as credit toward a degree. Students actively working on a dissertation, consulting with the major professor and/or using other resources of the University may enroll in this course. Students who are not in residence and are not enrolled in at least 3 hours of dissertation, but who are actively working on a dissertation, consulting with the major professor, and/or using other resources of the University, must enroll in this course for at least 3 hours each semester.
801. **Structure and Elasticity of Polymer Networks.** 2 hrs. Prerequisites: PSC 703 and 712, or permission of instructor. Study of the structure, elasticity and mechanical properties of polymer networks.
803. **Polymer Composite Blends and IPN.** 2 hrs. Prerequisites: PSC 703 and 712, or permission of instructor. Deals with modern composites, with discussions of high performance fibers, matrices, and interphases with relevant material included from the areas of blends and interpenetrating networks.
804. **Naturally Occurring Polymers.** 2 hrs. Prerequisites: PSC 703 and 712, or permission of instructor. Study of the structure-property relationships of naturally occurring polymers, including polysaccharides, proteins, and nucleic acids.
805. **Surface Coatings.** 2 hrs. Prerequisites: PSC 703 and 712, or permission of instructor. Scientific principles underlying surface coatings science are studied in depth.
806. **Industrial Monomer and Polymer Science.** 2 hrs. Prerequisites: PSC 703 and 712, or permission of instructor. Industrial monomer and polymer science.
807. **Testing of Polymers.** 2 hrs. Prerequisites: PSC 703 and 712, or permission of instructor. Testing of polymers: adhesives, coatings, fibers, plastics, and elastomers.
808. **Polymer Processing Principles.** 2 hrs. Prerequisites: PSC 730 and 740, or permission of instructor. Use of transport phenomena to quantitatively describe mass, energy, and momentum changes involved in polymer processes such as mixing, extrusion, and molding.
809. **Morphology of Oriented Polymers.** 2 hrs. Prerequisites: PSC 710, 712. Advanced polymer morphology.
810. **Physical Properties of Macromolecular Solids.** 2 hrs. Prerequisites: PSC 710 and 711, or permission of instructor. Advanced study of glassy and crystalline physical state of macromolecular solids emphasizing the influence of morphological structure.
811. **Polymer Physics.** 2 hrs. Prerequisites: PSC 710 and 711 or permission. Advanced study of polymer conformation, phenomenological and molecular theories of polymer relaxation, diffusion in polymers.
812. **Conformational Analysis, Molecular Design of Polymers.** 2 hrs. Prerequisites: PSC 710, 711, 712. Study of molecular interactions that control polymer conformation. Molecular modeling in material design.
880. **Selected Topics I.** 3 hrs. To include a survey of such topics as thermally stable polymers, silicone elastomers, emulsion polymers, controlled biocide release from polymers, water-soluble high molecular weight polymers, photochemistry.
881. **Selected Topics II.** 3 hrs. To include a survey of such topics as thermally stable polymers, silicone elastomers, emulsion polymers, controlled biocide release from polymers, water-soluble high molecular weight polymers, photochemistry.
898. **Dissertation.** 1-12 hrs. May be repeated for a maximum of 12 hrs.

Psychology (PSY)

511. **Psychological Testing and Assessment.** 3 hrs. Prerequisite: PSY 110 and 360 or equivalent. Introduction to theory and techniques of psychological testing and assessment.
513. **Multicultural Counseling.** 3 hrs. Examines cultural diversity in North American society with focus on implications for mental health service providers.
518. **History and Systems of Psychology.** 3 hrs. Prerequisite: Permission of instructor. Review of the history of psychology and intensive study of current systems of psychology.
520. **Sensation and Perception.** 3 hrs. Prerequisite: PSY 320. A survey of sensory and perceptual processes with emphasis on the visual system.
522. **Psychology of Learning.** 3 hrs. Prerequisite: PSY 320. Basic problems, theories, and research in the areas of human and animal learning.
523. **Group Procedures.** 3 hrs. The study of behavior in group settings with particular attention given to applications in mental health agencies and institutions.
524. **Animal Behavior.** 3 hrs. Prerequisites: PSY 320. The study of animal behavior with special emphasis on the comparison of psychological processes along the phylogenetic scale.
526. **Physiological Psychology.** 3 hrs. Prerequisite: PSY 110. Relationship between physiological functions and behavior.
- 527L. **Laboratory Techniques in Behavioral Neuroscience.** 3 hrs. Prerequisite: Permission of instructors. Experimental techniques in neurophysiology, neuropharmacology, and behavioral research. (May be taken as BSC 556L.)
532. **Behavioral Interventions.** 3 hrs. An introduction to behavioral interventions as applied to normal and deviant behavior across different environmental settings.

533. **Workshop in Psychology.** 3 hrs. Topical workshops related to selected aspects of counseling and psychological practice in educational and/or human service settings.
536. **Abnormal Psychology.** 3 hrs. Prerequisite: Permission of the instructor. Study of the major psychoses, and psychoneuroses, and mental deficiency.
550. **Social Psychology.** 3 hrs. Prerequisite: PSY 110. Study of the individual in group situations, and the influence of the social environment on behavior and development.
555. **Psychology of Personality.** 3 hrs. A study of the factors involved in the development of the mature personality.
556. **Psychology of Aging and Death.** 3 hrs. Study of problems and attitudes concerning aging and death.

640. **Clinical Assessment I.** 3 hrs. Prerequisites: Admission to the clinical psychology training program and permission of instructor. Theory, administration, and interpretation logic of clinical assessment (intellectual, behavioral, social) from infancy to early childhood.
641. **Clinical Assessment II.** 3 hrs. Prerequisites: PSY 640 and permission of instructor. Clinical assessment techniques (psychometric and behavioral) from childhood through adulthood. Experience includes clinical assessments.
642. **Psychoeducational Assessment I.** 3 hrs. each. Prerequisite: Permission of instructor. Theory and practice of psychoeducational assessment including individual intelligence testing; multicultural issues.
643. **Psychoeducational Assessment II.** 3 hrs. Prerequisite: PSY 642 or permission of instructor. A study of the various psychological tests used in the appraisal and evaluation of exceptional children.
650. **Microskills Laboratory.** 3 hrs. Seeks to develop the microskills which are foundational to helping relationships.
651. **School Counseling Field Practicum.** 3 hrs. Prerequisites: PSY 610, 612, 650. A basic counseling field practicum for school counselors.
652. **Counseling Psychology Practicum I.** 3 hrs. Prerequisites: PSY 612, 614, and prior arrangement with instructor.

697. **Independent Study and Research.** Hours arranged. Not to be counted as credit toward a degree. Students actively working on a thesis, consulting with the major professor and/or using other resources of the University may enroll in this course. Students who are not in residence and are not enrolled in, at least, 3 hours of thesis but who are actively working on a thesis, consulting with the major professor, and/or using other resources of the University must enroll in this course for at least 3 hours each semester.
698. **Thesis.** 1-6 hrs. for a total of 6 hrs. Credit deferred until thesis is completed.
699. **British Studies: Research in Psychology.** 3 hrs.
701. **Seminar in Teaching of Psychology.** 1 hr. An analysis of the psychoeducational problems involved in the undergraduate and graduate teaching of psychology.
702. **Practicum in Teaching Psychology.** 3-6 hrs. Supervised teaching of courses in psychology.
710. **Group Counseling and Psychotherapy.** 3 hrs. Introduction to theory and practice of group counseling and psychotherapy. Requires participation in experimental quasi-group. Major theoretical models for group work are surveyed.
711. **Theory and Practice of Consultation.** 3 hrs. Introduction to the theory and process of consultation. Emphasis is placed on student acquisition of basic consulting skills/competencies.
712. **Assessment and Diagnosis.** 3 hrs. Prerequisite: PSY 614 or equivalent and permission of instructor. An advanced course in psychological assessment and diagnosis. Attention is given to the selection and use of instruments commonly employed by counseling psychologists in clinical settings, and to diagnostic criteria of the DSM-IV.
713. **Intermediate Counseling Theory.** 3 hrs. Prerequisite: PSY 612 or equivalent. An intermediate level course which provides a systematic analysis of major counseling theories with an emphasis on the integration of theoretical constructs with practice and contemporary research.
714. **The Psychology of Vocational Development.** 3 hrs. An advanced study of vocational development as a life process. Concepts from the psychology of vocational development are examined as a basis for implementing the scientist-practitioner model through career counseling.
717. **Theory and Practice of Developmental Counseling.** 3 hrs. An overview of major developmental theories with emphasis upon school-based strategies for assisting children in meeting their developmental needs.
718. **History of Modern Psychology.** 3 hrs. Historical antecedents of modern psychology with emphasis on how developments occurring at various points in time form part of a historical pattern instead of simply a sequence of isolated events.
719. **Brain Damage and Behavior.** 3 hrs. Prerequisite: Permission of instructor. Causes of brain injury are studied and their effect on the mental and physical behavior of man are considered.
720. **Psychological Interventions with Children.** 3 hrs. An introduction to specialized counseling interventions with children.
721. **Conditioning and Learning.** 3 hrs. An intensive study of the role of contemporary theories of learning and motivation in current research.
722. **Cognitive Processes.** 3 hrs. Theory and research in cognitive psychology and its applications.
723. **Comparative Psychology.** 3 hrs. A detailed consideration of the capabilities of various species (including humans), with special emphasis on explanations of species' similarities and differences.
724. **Psychopharmacology.** 3 hrs. Prerequisite: Psy 624 or equivalent. An introduction to psychopharmacology with a focus on features and characteristics of psychotropic drugs which are commonly used in applied settings of interest to psychologists.
725. **Motivation.** 3 hrs. Prerequisite: Permission of instructor. A study of the current theories and research in the area of human and animal motivation.
726. **Perception.** 3 hrs. Prerequisite: Permission of instructor. The development and nature of human perception.
728. **Advanced Experimental Psychology I, II, III.** 3-9 hrs. For graduate students who wish to conduct publishable research not a part of a graduate thesis. Limit of 9 semester hours.
729. **Psychophysiology.** 3 hrs. Prerequisite: PSY 624 and permission of instructor. Study of psychophysiological principles as they apply to research and clinical problems.
730. **Proseminar in Psychophysiology.** 1-3 hrs. May be repeated to limit of 15 hrs. Prerequisite: Permission of instructor. Analysis of major topics in psychophysiology; laboratory techniques and experience.
732. **Marriage and Family Therapy.** 3 hrs. A survey of marital and family therapy models. Attention is given to the application of systems models.
733. **Applied Psychology Field Experience.** 1-3 hrs. Open only to psychology majors. Supervised applied experience in a variety of applied settings. Limit of 15 hours.
734. **Behavior Therapy.** 3 hrs. Prerequisite: Doctoral track and permission of instructor. Study of the principles of behavioral change and the evaluation of clinical research in behavior modification.

735. **Clinical Psychology Externship.** 3 hrs. Prerequisite: PSY 736, 782, and permission of the Director of Clinical Training. Supervised clinical experience in community, residential, and hospital mental health settings.
736. **Pre-Practicum in Clinical Psychology.** 3 hrs. Prerequisite: Permission of the Director of Clinical Training and doctoral status in clinical psychology. Procedures for the operation of the Psychology Clinic and basic interviewing.
737. **Administration and Supervision in Clinical Psychology.** 3 hrs. Prerequisite: Doctoral status in the Clinical program and permission of instructor. Techniques of administration and supervision of clinical psychologists in mental health settings.
738. **Alcoholism and Drug Abuse.** 3 hrs. Advanced topics in alcoholism and drug abuse. Approximately one-half of the course is devoted to basic concepts with the remainder devoted to design and implementation of intervention strategies.
739. **Current Issues and Trends in Student Affairs.** 3 hrs. Prerequisite: PSY 639 or permission of instructor. A topical study of current issues and trends in the design of student development services in higher education.
740. **Objective Personality Assessment.** 3 hrs. Prerequisites: PSY 780 or PSY 777, doctoral track 63 Tw (Objective Personality Assessment)

771. **Practicum in School Psychology.** 3 hrs. May be repeated to limit of 24 hours. Prerequisite: Admission to the school psychology training program or permission of instructor. Supervised application of school psychological procedures.
772. **Applied Behavior Analysis in School Psychology.** 3 hrs. Prerequisite: Admission to the school psychology program or permission of instructor. Fundamentals of applied behavior analysis and functional assessment.
773. **Advanced Behavioral Interventions in School Psychology.** 3 hrs. Prerequisite: PSY 772 or permission of instructor. The application of behavioral principles in the school setting to address needs of at-risk children.
- 774.

835. **Advanced Practicum in Counseling Psychology.** 1-3 hrs. Prerequisite: Permission of instructor. Supervised practice.
836. **Proseminar in Counseling Psychology.** 2 hrs. A professional issues seminar for advanced students. Topics include: historical antecedents, training models, credentialing, accreditation, and current trends and issues in professional psychology.
840. **Externship.** 3-6 hrs. Prerequisite: Permission of instructor. Supervised experience in off-campus setting.
850. **Advanced Research Seminar.** 3 hrs. Prerequisite: Permission of instructor.
860. **Counseling Psychology Practicum IV.** 1-3 hrs. Prerequisites: PSY 786 and prior arrangement with instructor. An advanced clinic practicum in counseling and psychological services.
870. **Supervision: Theory and Practice.** 3-6 hrs. Prerequisite: Permission of instructor. An advanced seminar in the supervision of others who deliver counseling and psychological services. Students enroll concurrent with the assignment of clinic supervision responsibilities.
880. **Internship in School Psychology.** 4 hrs. Prerequisite: Permission of training director. May be repeated up to 12 semester hours. Supervised, full-time practice of school psychology in an approved setting. Selection of internship must conform to NASP and CDSPP standards.
881. **Internship in Clinical Psychology.** 4 hrs. Prerequisite: Successful completion of PSY 782 and approval of the Director of Clinical Training. To be repeated for 12 semester hours total.
882. **Internship in Industrial/Organizational Psychology.** 4 hrs. Prerequisite: Permission of the I/O Training Director. To be repeated for 12 semester hours total. Full-time practice of I/O Psychology under supervision in an approved setting.
883. **Internship.** 4 hrs. Prerequisites: Approval by program faculty and permission of Training Director. Students receive 1900-2000 hours of supervised training in an off-campus APA-approved internship program in professional psychology. To be repeated for nine semester hours total.
898. **Dissertation.** 12 hrs.

Radio-Television-Film (RTF)

507. **Theories of Mass Communication.** 3 hrs. An analysis of processes and effects of mass communication.
516. **Telecommunication Media Management.** 3 hrs. Examination of management responsibilities in broadcast radio and TV, cable TV, and other electronic media and media delivery systems.
525. **Telecommunication Media Research.** 3 hrs. Prepares students to utilize and evaluate professional telecommunication research services and to conduct elementary studies of media audiences.
531. **Advertising Management and Sales.** 3 hrs. Prerequisite: RTF 330. A continuation of RTF 330, with emphasis upon case studies in advertising management and sales.
536. **Western Film.** 3 hrs. The course examines the interaction of stylistic and thematic elements associated with the Western film genre.
540. **Advanced Television Production.** 3 hrs. Prerequisite: RTF 340 or permission of instructor. Advanced topics in video post-production theory and practice.
547. **Television Production Workshop.** 2 hrs. Prerequisites: RTF 340 and 440 or permission of instructor. A flexible format course designed to serve the career objectives and needs of advanced students. The workshop may involve large or small group productions or individual projects, or some combinations.
548. **Seminar in Radio-TV.** 3 hrs. Prerequisite: Permission of instructor. Examination of a telecommunication topic. May be repeated with a different topic or combined with RTF 578 for a total of six credit hours.
549. **Television Criticism.** 3 hrs. Examines major genres and historical trends in television programming with emphasis on television criticism. Selected examples of programs will serve as models for practical television criticism.
550. **The Internet: The Online Electronic Medium.** 3 hrs. Prerequisite: Consent of instructor.
560. **Issues in Telecommunication.** 3 hrs. Examination of structural, regulatory, policy, and social concerns related to the U.S. telecommunication industry.
571. **Advanced Cinematography.** 3 hrs. Prerequisite: Consent of instructor. Advanced instruction and practical production experience in 16mm motion picture cinematography. Repeatable for up to six (6) hours.
573. **The Documentary Film.** 3 hrs. Evaluation of the documentary tradition in film through viewing and analysis of selected documentaries and review of pertinent literature.
574. **Film Noir.** 3 hrs. The course examines the interaction of stylistic and thematic elements associated with the Film Noir period and their impact contemporary cinema.
575. **Film Business Procedures and Management.** 3 hrs. Prerequisite: Consent of instructor. Study of the business practices and problems involved in film production.
576. **British Studies: The British Film.** 3-6 hrs.

599. **British Studies: Research in British Education.** 3 hrs. To provide students with supervised research study on British education that relates to their own interests or educational specialty.
601. **Educational Research: Interpretation and Applications.** 3 hrs. An orientation to the information, skills, and competencies necessary to understanding research in education, along with a rudimentary introduction to conducting action research.
602. **Introduction to Educational Statistics.** 3 hrs. Basic concepts and computations in descriptive statistics. Introduction to sampling procedures and inferential processes in educational research.
604. **Foundations in American Education.** 3 hrs. A brief survey of the philosophical, psychological, sociological, and historical foundations of American education.
605. **Cultural Influences on American Education and Society.** 3 hrs. A study of European educational systems.
607. **Developing a Student-Centered Curriculum.** 3 hrs. A comprehensive study of planning and procedures for developing, structuring, implementing, and evaluating school curricula.
609. **Administration of Media Centers.** 3 hrs.
615. **Student Discipline in the Schools.** 3 hrs. Presentation of general principles, techniques, procedures, and legal aspects of discipline.
- +616. **Instructional Graphics.** 3 hrs.
618. **Instructional Photography.** 3 hrs.
620. **Foundations of Instructional Technology.** 3 hrs. Survey of the historical aspects of instructional media. Application of research in the development of technology relating to libraries, classrooms, industry, and instructional settings.
621. **Selection and Organization of Media Resources.** 3 hrs.
- +622. **Design and Production of Media Materials.** 3 hrs.
- +623. **Advanced Media Productions Techniques.** 3 hrs.
625. **Instructional Video and Film Production.** 3 hrs.
632. **Measuring Student Success.** 3 hrs. Emphasizes selection and construction of assessment instruments and interpretation of results
644. **Instructional Development I.** 3 hrs. Prerequisite: REF 516 or permission of the instructor. Survey of various instructional development models for the development, revision, or revitalization of educational programs.
645. **Computers in Education.** 3 hrs. Applications of computer technology to instructional, information, and administrative programs from the user's point of view.
660. **Economic Education for Teachers.** 3 hrs. Emphasis on in-depth understanding of our economic system and integration of economic concepts into the social studies.
680. **Direction and Supervision of Student Teaching.** 3 hrs. Designed to guide supervising teachers in orienting and involving student teachers.
692. **Special Problems.** 1-3 hrs.
698. **Thesis.** 1-6 hrs. for a total of 6 hrs. Credit deferred until thesis is completed.
701. **Analysis of Teaching Behavior.** 3 hrs. Designed to analyze teacher behavior to determine competency, including interaction analysis and microteaching skills.
709. **Social Foundations of Education.** 3 hrs. A study of contrasting motivations and values of various cultural groups and their implications for education.
712. **Computer Applications in Educational Research.** 3 hrs. Prerequisites: REF 761, 762. Skills development course in computer analysis of behavioral science data, systems analysis, financial, and personnel accounting procedures.
718. **Practicum in Educational Research.** 3 hrs. Prerequisites: REF 761, 762. Application of appropriate research models, 692.D (iTj) -18.0 phrs.

770. **Evaluation Design and Methodology.** 3 hrs. The principles of evaluation. Involvement in a practical evaluation problem employing measurement techniques and statistical methodology.
791. **Field Problems in Educational Research.** 1-12 hrs. Prerequisite: Approval of major professor and Educational Research Staff.
792. **Special Problems in Educational Research I, II, III.** 1 hr. each. Prerequisite: Approval of major professor and Educational Research Staff. Application of specific research procedures in the development of skills in various types of research. The preparation of a scholarly paper is required.
794. **Field Problems.** 3 hrs.
798. **Specialist Thesis.** 3 hrs. Selection and development of a practical educational research problem for the specialist's degree. A scholarly research paper is required.
810. **Design and Methodology in Institutional Research.** 3 hrs. Prerequisites: REF 601, 761, 762. Practical application of institutional research design and methodology emphasizing computer utilization and field work.
816. **History of Public Education in the United States.** 3 hrs. A critical study of the evolution of public education with emphasis on critical issues.
818. **Comparative Philosophies of Education.** 3 hrs. A critical examination of theoretical concepts of leading modern philosophers and their implications for education.
820. **Comparative Education.** 3 hrs. Survey of educational patterns of selected countries.
824. **Advanced Experimental Design.** 3 hrs. Prerequisites: REF 761, 762. Experimental and quasi experimental designs in educational research. Emphasis upon utilization of design principle and appropriate statistical treatment.
830. **Multivariate Analysis in Educational Research.** 3 hrs. Prerequisites: REF 761, 762. Theory and application of multiple regression and discriminant analysis, canonical correlation, multivariate analysis of variance and covariance.
893. **Advanced Educational Research.** 3 hrs. Seminar in types and problems of educational research, observation and data collection methods, and standards of reporting educational research.

Science and Mathematics Education (SME)

522. **British Studies: History of Science.** 3-6 hrs. Lecture series and research in the history of science offered abroad under

- 571L. **Laboratory for Teaching Chemistry in the Secondary School.** 1 hr. Prerequisite: Admission to the Graduate Program or permission of instructor. Corequisite: SME 571. Experience in developing and evaluating laboratory instruction and in establishing and maintaining safety. May be taken at the undergraduate level as CHE 471L.
572. **Physics for Secondary Teachers—Methods and Techniques.** 3 hrs. Prerequisite: Permission of instructor.
590. **Aerospace Resources for Teachers.** 3 hrs. Teachers and administrators are given a review of aerospace science and technology and how to take advantage of students' fascination with flying.
595. **Applications of Basic Concepts in Biology for Secondary School.** 3 hrs. Prerequisite: Admission to the Graduate Program or permission of instructor. Laboratory to accompany SME 595. May be taken at the undergraduate level as BSC 495L.
- 595L. **Application of Basic Concepts in Biology for Secondary School Laboratory.** 2 hrs. Prerequisite: Admission to the Graduate Program or permission of instructor. Laboratory to accompany SME 595. May be taken at the undergraduate level as BSC 495L.
599. **Field Studies in Marine Science Education.** 3-9 hrs. Prerequisite: Permission of instructor. Study and investigate marine environments outside of Mississippi. Offered through the College of International and Continuing Education.
601. **Science Education in Contemporary Perspective.** 3 hrs. Prerequisite: Permission of instructor. Focuses on current reform in science education and the supporting learning theories, instructional methodologies, and assessment practices.
609. **Dimensions of Learning in Science Education I.** 3 hrs. Provides a broad introduction to the concepts, contexts, and practices of teaching secondary science. Restricted to MAT students only. Includes a clinical supervision component.
610. **Dimensions of Learning in Science Education II.** 3 hrs. Prerequisite: SME 609. Provides a broad introduction to the concepts, contexts, and practices of teaching secondary science. Restricted to MAT student only. Includes a clinical supervision component.
691. **Research Practicum in Science/Mathematics Education.** 3 hrs. Prerequisite: REF 602 and permission of instructor. A practicum experience in the design, execution, and reporting of a group research project.
700. **Science Curriculum in the Public Schools.** 3 hrs. Prerequisite: SME 703. An examination of elementary and secondary science curricula.
701. **Issues in Science and Mathematics Education.** 3 hrs. Prerequisite: Permission of instructor. Study of issues related to curriculum and associated research methodologies.
702. **Field Techniques of Demonstrating and Experimenting with Scientific Principles.** 3 hrs. For science teachers considering fundamental aspects of biology, chemistry, geology, and physics.
703. **Foundations of Science and Mathematics Education.** 3 hrs. Prerequisite: Permission of instructor. Study of philosophical premises related to the nature of science and mathematics and psychological and pedagogical theories.
720. **Mathematics Curriculum.** 3 hrs. Prerequisite: Permission of instructor. Exploration of the theoretical, empirical, and practical issues of the mathematics curriculum from K through college. Content and processes of curriculum will be explored.
725. **Readings from Research in Mathematics Education.** 3 hrs. Prerequisite: Permission of instructor. Focuses on current issues and methodologies in research in mathematics education.
730. **Physics for Elementary School Teachers.** 3 hrs. Prerequisites: 6 hours in physical science and 6 hours in biological science. Principles and general ideas that can be directly applied to the elementary grades.
731. **Chemistry for Elementary School Teachers.** 3 hrs. Prerequisites: 6 hours in physical science and 6 hours in biological science. Chemical principles that represent the changes in chemistry that have taken place over the last two decades.
732. **Biology for Elementary School Teachers.** 3 hrs. Prerequisites: 6 hours in physical science and 6 hours in biological science. A study of content, techniques, and methods of teaching life science concepts.
733. **Earth Science for Elementary School Teachers.** 3 hrs. Prerequisites: 6 hours in physical science and 6 hours in biological science. A study of techniques and methods of teaching earth science concepts.
789. **Seminar.** 1-3 hrs. Discussion of current trends and practices in science education.
791. **Research in Science Education.** 1-16 hrs.
792. **Special Problems.** 1-3 hrs. arr.
797. **Independent Study and Research.** Hours arranged. Not to be counted as credit toward a degree. Students actively working on a dissertation, consulting with the major professor and/or using other resources of the University may enroll in this course. Students who are not in residence and are not enrolled in, at least, 3 hours of dissertation but who are actively working on a dissertation, consulting with the major professor, and/or using other resources of the University must enroll in this course for at least 3 hours each semester.
798. **Research Problem.** 3 hrs.
898. **Dissertation.** 12 hrs.

programming of microprocessor-based circuits and systems, the design programming tools necessary to create stand-alone microprocessor systems, and a comparison of different microprocessor architectures and applications.

522. **Modeling and Animation I.** 3 hrs. Prerequisite: ENT 510 or CADD experience. Computer modeling and animation developed with 3D Studio.
523. **Advanced Modeling and Animation II.** 3 hrs. Prerequisite: SET 522. Expand knowledge of modeling and animation using 3D Studio Max/Viz.
525. **Virtual Reality I.**

Special Education (SPE)

518. **Advanced Clinical Methods.** 3 hrs. Students engage in an in-depth study of the use of specific treatment and/or diagnostic procedures.
519. **Organic Speech Disorders.** 3 hrs. This course surveys symptomology, etiology, and treatment procedures for organic speech disorders.
521. **Aural Rehabilitation.** 3 hrs. Prerequisite: SHS 221 or equivalent. Covers the management of clients with hearing loss from infants through the elderly.
522. **Diagnostic/Prescriptive Teaching of the Hearing Impaired.** 3 hrs. Presents task analysis, informal test construction and formal assessment for hearing impaired.
525. **Psycho-Social Factors Associated with Hearing Impairment.** 3 hrs. Prerequisite: Permission of instructor. Emphasizes psycho/social growth and development of deaf children.
528. **Clinical Audiology I.** 3 hrs. Prerequisite: SHS 221. Presents concepts in acoustics, calibration standards and basic

764. **Laboratory in Language Disorders.** 1-3 hrs. Specialized testing procedures are learned.
791. **Research in Speech and Hearing Sciences.** 1-16 hrs. Prerequisite: permission. Teaches advanced research procedures.
792. **Special Problems.** 3 hrs. Content varies.
797. **Independent Study and Research.** Hours arranged. Not to be counted as credit toward a degree. Students actively working on a dissertation, consulting with the major professor and/or using other resources of the University may enroll in this course. Students who are not in residence and are not enrolled in, at least, 3 hours of dissertation but who are actively working on a dissertation, consulting with the major professor, and/or using other resources of the University must enroll in this course for at least 3 hours each semester.
898. **Dissertation.** 12 hrs.

Speech Communication (SCM)

598. **Teaching Public Speaking.** 1-3 hrs. Provides instruction on how to teach public speaking. Emphasis on course assignments, grading, classroom management.
599. **British Studies in Communication.** 3-6 hrs. Communication research and practice in Great Britain. Taught only in Great Britain under auspices of the College of International and Continuing Education.
600. **Speech Communication Theory & Research.** 3 hrs. A survey of major research traditions in the field of speech communication. Topics will include persuasion, nonverbal communication, networks, and theories of communication.
603. **Political Communication.** Examines the use of rhetoric to create and maintain political relationships and power.
605. **Interpersonal Communication.** 3 hrs. A comparative approach to the study of interpersonal communication theories and methods.
609. **Speech Communication Seminar.** 3 hrs. A rotating seminar that addresses topics in Speech Communication.
610. **Problems in Organizational Communication.** 3 hrs. Analysis of work organizations as communication networks. Emphasis on identification, analysis of selected problems, consultation methods, and administration of communication training programs. Field project.
625. **Communication, Conflict, and Negotiation.** Surveys theory and research on the role of communication in the management of conflict in personal and professional relationships.
674. **Dimensions of Learning in Speech Communication Education I.** 3 hrs. Provides a broad introduction to concepts, contexts, and practices of teaching speech communication and theatre at the secondary level. This course includes a clinical supervision component.
675. **Dimensions of Learning in Speech Communication Education II.** 3 hrs. Provides a broad introduction to concepts, contexts, and practices of teaching speech communication and theatre at the secondary level. This course includes a clinical supervision component.
692. **Special Problems.** 3 hrs. For independent research projects designed to answer specific questions in applied or theoretical communication.
697. **Independent Study and Research.** Hours arranged. Not to be counted as credit toward a degree. Students actively working on a thesis, consulting with the major professor and/or using other resources of the University may enroll in this course. Students who are not in residence and are not enrolled in, at least, 3 hours of thesis but who are actively working on a thesis, consulting with the major professor, and/or using other resources of the University must enroll in this course for at least 3 hours each semester.
698. **Thesis.** 3-6 hrs. for a total of 6 hours.
700. **Intercultural Communication.**

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726. **Seminar in Interpersonal Communication.** 3 hrs. Readings in narrative approaches to investigating human communication, including theoretical issues, methods, and case studies.
730. **Theory and Research in Small Group Communication.** 3 hrs. A study of human interaction in small group settings and the determinants and effects of such interaction.
735. **Rhetorical Theory.** 3 hrs. A study of the development of rhetorical theory, ancient through contemporary. The course will examine classical, medieval, Renaissance, and late European rhetoricians, and re-emergence of rhetorical theory in the twentieth century.
740. **Rhetorical Criticism.** 3 hrs. This course examines the variety of contexts and situations to which can be applied principles of rhetorical criticism. Emphasis will be placed on public discourse and media.
745. **Communication and Humor.** Examines the use of humor in public speeches, workplace, and personal relationships. Assesses current theory and research on the topic.
750. **Theory and Research in Nonverbal Communication.** 3 hrs. A study of nonverbal communication and its relation to effective oral communication. Topics include gender and cultural differences, detecting deception, persuasive strategies.
755. **Contemporary Theory and Research in Persuasion.** 3 hrs. This course is designed to familiarize students with current issues and research in persuasive communication.
792. **Special Problems.** 3 hrs. For independent research problems designed to answer specific questions in applied or theoretical communication.
797. **Independent Study and Research.** Hours arranged. Not to be counted as credit toward a degree. Students actively working on a dissertation, consulting with the major professor and/or using other resources of the University may enroll in this course. Students who are not in residence and are not enrolled in, at least, 3 hours of dissertation but who are actively working on a dissertation, consulting with the major professor, and/or using other resources of the University must enroll in this course for at least 3 hours each semester.
809. **Speech Communication Seminar.** 3 hrs. A rotating seminar that addresses topics in Speech Communication.
898. **Dissertation.** 3-12 hrs., for a total of 12 hrs.

Technical and Occupational Education (TOE)

500. **Facility Planning and Equipment Selection.** 3 hrs. A study of facility layout, equipment specifications, cost analysis and procurement procedures.
533. **Curriculum Construction for Cooperative Education.** 3 hrs. Objectives, content, and arrangement of units for teaching cooperative and evening classes.
541. **Philosophy and Principles of Occupational Instruction.** 3 hrs. A methods course for teaching trade, technical and other vocational subjects.
542. **Management of the Occupational Learning Environment.** 3 hrs. Organization and management of students, equipment, and physical facilities.
543. **Design of the Occupational Based Instruction Program.** 3 hrs. Occupational analysis based design and sequencing of instructional components and the development of appropriate support materials.
544. **Development of Occupational Instruction Materials.** 3 hrs. Selection, development and use of instructional aids, with an emphasis on media production.
545. **Delivery of the Occupational Instruction Program.** 3 hrs. Learning theory based techniques of instructional delivery in the vocational classroom and laboratory.
546. **Evaluation of Occupational Training and Learner Performance.** 3 hrs. Development and utilization of various measuring devices and techniques, statistical treatment of data, and generation of evaluative reports.
547. **Industrial Human Relations.** 3 hrs. A study of human behavior and interpersonal dynamics within the industrial organization and environment. Primarily for industrial educators.
548. **Industrial and Vocational Safety.** 3 hrs. Analysis of fundamentals of accident prevention and their application in school shops.
552. **History and Philosophy of Vocational Education.** 3 hrs. Objectives, principles, aims, and organization of programs in schools and colleges.
553. **Problems of the Coordinator.** 3 hrs. A study of the problems, procedures, techniques, etc., in the operation of part-time cooperative education.
578. **Specialized Studies in Developmental Disabilities.** 1-6 hrs. Specialized study and skill acquisition in the area of developmental disabilities. Topics vary.
583. **Occupational Safety.** 3 hrs. Organization and administration of safety programs including implementation of the Occupational Safety and Health Act. Primarily for industrial educators.

597. **Professional Collaboration for Developmental Disability Services.** 3 hrs. Study of the interdependent contributions of relevant disciplines in training, service, and research.
605. **History of Technology & Occupational Education.** 3 hrs. A study of leaders, movements, and agencies in the development of technical and occupational education.
607. **Curriculum Design in Technology & Occupational Education.** 3 hrs. A study of the design, development and utilization of various instructional strategies and materials.
611. **Philosophy and Organization of Occupational Education.** 3 hrs. Foundations and development of vocational education under national, state and local influence.
688. **Medical Aspects of Developmental Disabilities.** 3 hrs. Medical conditions, diagnostic tests, and other health care issues relevant to individuals with developmental disabilities.
689. **Seminar in Technology Education, I, II, III.** 2 hrs. May be taken three times.
692. **Special Problems in Technical Education.** 1-3 hrs. Advanced individualized project relevant to the student's skill specialty.
697. **Independent Study and Research.** Hours arranged. Not to be counted as credit toward a degree. Students actively

581. **Repertory Theatre.** 3-9 hrs. Participation in the analysis and preparation of performances of plays in repertory. (Must enroll in three 3-hour sections.)
597. **Theatre Exchange Studies Abroad.** 9-15 hrs. Opportunity to study theatre for one semester in an approved exchange program abroad. Offered under auspices of Center of International Education.

697. **Independent Study and Research.** Hours arranged. Not to be counted as credit toward a degree. Students actively working on a thesis, consulting with the major professor and/or using other resources of the University may enroll in this course. Students who are not in residence and are not enrolled in, at least, 3 hours of thesis but who are actively working on a thesis, consulting with the major professor, and/or using other resources of the University must enroll in this course for at least 3 hours each semester.

699. **Creative Project.** 1-8 hrs.

Therapy (THY)

511. **Introduction to Kinesiotherapy.** 3 hrs. An introduction to the theory of organizing and conducting kinesiotherapy as it applies to physical and mental rehabilitation.

512. **Kinesiotherapy I.** 3 hrs. Prerequisites: BSC 250 and 251; HPR 303, 370, and 374; THY 511. Emphasis placed on

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(Those associate graduate faculty listed in the academic programs sections are indicated here by an asterisk ().)*

ABBENYI, JULIANA, Associate Professor of English. B.A., M.A., Ph.D., University of Yaounde; Ph.D., McGill University.

ADAMS, MARY ANN, Associate Professor of Marriage and Family Therapy. B.A., Birmingham Southern; M.S., Troy State University; Ph.D., Florida State University.

*ADAMS, STEPHEN TODD, Instructor of Engineering Technology. B.S., M.S., The University of Southern Mississippi.

AHUA, EMMANUEL, Assistant Professor of Community Health. B.S., Eastern Washington University; M.S., Central Missouri State; H.S.D., Indiana University.

ALBER, SHEILA R., Graduate Coordinator and Assistant Professor of Special Education. B.S., East Texas State University; M.Ed., College of Charleston; Ph.D., The Ohio State University.

ALBIN, MARVIN J., Associate Professor of Accounting. B.S., M.B.A., Mississippi State University; Ph.D., University of Houston. C.P.A.

*ALEXANDER, RAYMOND M., Clinical Instructor of Speech and Hearing Sciences. B.S., M.S., The University of Southern Mississippi.

ALFORD, DARLYS, Associate Professor of Psychology, Gulf Coast. B.A., Fresno Pacific College; M.S., California State University; Ph.D., University of California, Santa Barbara.

ALI, ADEL L., Chair of the Department of Computer Science and Statistics and Associate Professor of Computer Science and Statistics. B.S., Cairo University; M.S., Ph.D., Lehigh University.

ALI, DIA L., Professor of Computer Science and Statistics. B.Com., Ain Shams University; M.B.A., Eastern Washington; Ph.D., Lehigh University.

ALI, KAMAL SHARAF, Professor of Engineering Technology. B.S., M.Sc., University of Khartoum, Sudan; Ph.D., Reading University, Reading U.K.

ALLEN, MICHAEL, Associate Professor of Psychology, Gulf Coast. A.B., University of North Carolina, Chapel Hill; M.A., Appalachian State University; Ph.D., University of Tennessee-Knoxville.

ANDERSON, GARY, Professor of Biological Sciences. B.S., University of Rhode Island; M.S., Ph.D., University of South Carolina.

ANDERSON, PATSY L., Assistant Professor of Nursing. B.S.N., University of Mississippi; M.N., D.N.S., Louisiana State University.

ANDERSON, TERRY L., Assistant Professor of Engineering Technology. B.S., Mississippi State University; M.S., P.E., University of Mississippi.

*ANGLIN, ELIZABETH M., Instructor of French. B.A., University of Colorado; M.A., University of California, Santa Barbara.

*ANNULIS, HEATHER, Visiting Assistant Professor of Workforce Training and Development. B.A., M.S., University of Louisiana of Lafayette.

APPELT-SLICK, GLORIA, Associate Professor of Curriculum and Instruction. B.S., M.Ed., Ed.D., University of Houston.

APPLIN, HARRY, Instructor of Engineering Technology. B.S., Southwestern Louisiana University; M.S., The University of Southern Mississippi.

ARBAUGH, THOMAS, JR., Assistant Professor of Psychology. B.A., Mount Vernon Nazarene College; M.Ed., Bowling Green State University; Ph.D., Ohio University.

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ASPER, VERNON L., Associate Dean for Research and Sponsored Programs and Professor of Marine Science. B.A., Messiah College; M.S., University of Hawaii; Ph.D., Woods Hole Oceanographic Institute/Massachusetts Institute of Technology.

AZRIA-EVANS, MURIEL R., Assistant Professor of Child and Family Studies. B.A., University of Colorado-Boulder; M.S., Ph.D., Auburn University.

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BABIN, LAURIE A., Associate Professor of Marketing. B.S., Michigan State University; M.B.A., University of Central Florida; Ph.D., Louisiana State University.

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BERMAN, MITCHELL E., Associate Professor of Psychology. B.A., Bloomsburg University; M.A., Ph.D., Kent State University.

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B.A., University of West Florida; M.S.W., The University of Southern Mississippi.

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SEPTEMBER							OCTOBER							NOVEMBER										
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