

**AUM** AUBURN  
UNIVERSITY  
MONTGOMERY  
Undergraduate  
Catalog 1976-77







Montgomery, Alabama  
1976-1977

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## Calendar 1976-1977

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### 1976 Summer Quarter

1. May 24 ..... Last Day for Completing Applications  
for Admission.
2. June 7 & 8 ..... Final Registration
3. June 9 ..... Classwork Begins  
(Regular Quarter & 5 Week Term)
4. June 9 & 10 ..... Schedule Adjustments
5. June 15 ..... LAST DAY FOR REGISTERING or ADDING  
CLASSES PRIOR TO SECOND CLASS MEETING.
6. June 23 ..... Last Day for Refunds.
7. July 13 ..... Classwork Ends for 5 Week  
Term Classes.
8. July 14 & 15 ..... Final Examinations for  
5 Week Term Classes.
9. July 29 ..... PRE-REGISTRATION FOR  
FALL 1976 QUARTER.
10. August 12 ..... Classwork Ends for  
Regular Quarter Classes.
11. August 16-19 ..... Final Examinations for  
Regular Quarter Classes.
12. August 17 ..... GRADES FOR GRADUATING SENIORS DUE  
IN REGISTRAR'S OFFICE AT 5 PM.
13. August 20 ..... Graduation for this quarter certified  
effective this date. No ceremony  
held this date. Next graduation ceremony  
at end of Spring 1977 Quarter.
14. August 23 ..... All remaining grades due in Registrar's  
Office not later than 5 PM.

GRADUATING STUDENTS ARE RESPONSIBLE FOR ARRANGING EARLY  
FINAL EXAMINATIONS WITH THEIR PROFESSORS.

### 1976 Fall Quarter

1. September 8 ..... Last Day for Completing Applications  
for Admissions.
2. September 17 ..... New Student Orientation.
3. September 20-21 ..... Final Registration.
4. September 22 ..... Classwork Begins.
5. September 22 & 23 ..... Schedule Adjustments.

6. September 28 ..... LAST DAY FOR REGISTERING  
OR ADDING CLASSES PRIOR  
TO SECOND CLASS MEETING.
7. October 6 ..... Last Day for Refunds.
8. November 15-16 ..... PRE-REGISTRATION for Winter 1977  
Quarter 1 PM — 7 PM.
9. November 24-25-26 .... Thanksgiving Holiday. (No classes will be held.  
Offices open Wednesday, November 24, 8 AM — 5 PM,  
closed Thursday 25 and Friday 26.)
10. November 30 ..... Classwork Ends.
11. December 1-2, 6-7 ..... Final Examinations.
12. December 2 ..... GRADES FOR GRADUATING SENIORS DUE  
IN REGISTRAR'S OFFICE 5 PM.
13. December 10 ..... a. Graduation Certification Day.  
b. All grades due in Registrar's  
Office not later than 7 PM.

GRADUATING STUDENTS ARE RESPONSIBLE FOR ARRANGING FOR  
EARLY FINAL EXAMINATIONS WITH THEIR PROFESSORS.

#### 1977 Winter Quarter

1. December 1 (1976) ..... Last Day for Completing Applications  
for Admission.
2. January 3-4 ..... Final Registration.
3. January 5 ..... Classwork Begins.
4. January 5-11 ..... Schedule Adjustments.
5. January 11 ..... LAST DAY FOR REGISTERING OR ADDING  
CLASSES PRIOR TO SECOND CLASS MEETING.
6. January 19 ..... Last Day for Refunds.
7. February 23-24 ..... PRE-REGISTRATION FOR SPRING  
QUARTER 1 PM — 7 PM.
8. March 10 ..... Classwork Ends.
9. March 14-17 ..... Final Examinations.
10. March 15 ..... GRADES FOR GRADUATING SENIORS DUE  
IN REGISTRAR'S OFFICE NOT LATER THAN 5 PM.
11. March 18 ..... Graduation Certification Day.  
No Ceremony.
12. March 21-22 ..... Final Registration for  
Spring 1977 Quarter.

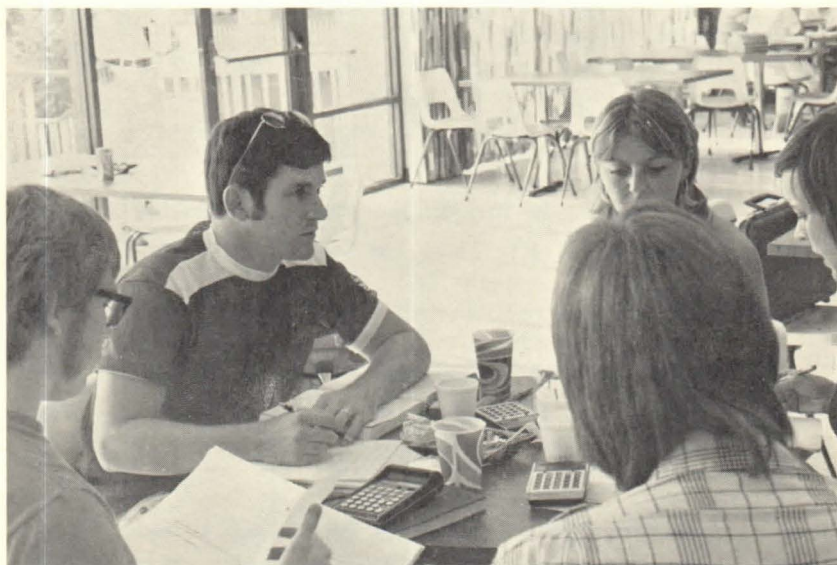
GRADUATING STUDENTS ARE RESPONSIBLE FOR ARRANGING FINAL  
EXAMINATIONS WITH THEIR PROFESSORS.



### 1977 Spring Quarter

1. March 4 ..... Last Day for Completing Applications  
for Admission.
2. March 21-22 ..... Final Registration.
3. March 23 ..... Classwork Begins.
4. March 23-24 ..... Schedule Adjustments.
5. March 29 ..... LAST DAY FOR REGISTERING OR  
ADDING CLASSES PRIOR  
TO SECOND CLASS MEETING.
6. April 6 ..... Last Day for Refunds.
7. May 16-17 ..... PRE-REGISTRATION FOR SUMMER 1977  
QUARTER. 1 PM — 7 PM.
8. May 31 ..... Classwork Ends.
9. June 1-2, 6-7 ..... Final Examinations.
10. June 2 ..... GRADES FOR GRADUATING SENIORS DUE  
IN REGISTRAR'S OFFICE AT 5 PM.
11. June 10 ..... Graduation 7:30 PM.
12. June 10 ..... All grades due in Registrar's Office  
not later than 5 PM.

GRADUATING STUDENTS ARE RESPONSIBLE FOR ARRANGING EARLY  
FINAL EXAMINATIONS WITH THEIR PROFESSORS.



# AUM FINAL EXAM SCHEDULE

## SUMMER 1976

	AUG. 16	AUG. 17	AUG. 18	AUG. 19	
8 — 11 A.M.	1st Period M — W	1st Period T — Th	2nd. Period M — W	2nd. Period T — Th	8 — 11 A.M.
1 — 4 P.M.	3rd. Period M — W	3rd. Period T — Th	4th Period M — W	4th Period T — Th	1 — 4 P.M.
6 — 9 P.M.	5th Period M — W	5th Period T — Th	6th. Period M — W	6th. Period T — Th	6 — 9 P.M.

Find your class(es) in the squares: Read up to find the day and across to find the hour.

## FALL 1976

	DEC. 1	DEC. 2	DEC. 6	DEC 7.	
8 — 11 A.M.	1st. Period M — W	1st Period T — Th	2nd. Period M — W	2nd. Period T — Th	8 — 11 A.M.
1 — 4 P.M.	3rd. Period M — W	3rd. Period T — Th	4th Period M — W	4th Period T — Th	1 — 4 P.M.
6 — 9 P.M.	5th Period M — W	5th Period T — Th	6th. Period M — W	6th. Period T —Th	6 — 9 P.M.

Find your class(es) in the squares: Read up to find the day and across to find the hour.



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## AUM FINAL EXAM SCHEDULE

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### WINTER 1977

	MAR. 14	MAR. 15	MAR. 16	MAR. 17	
8 — 11 A.M.	1st. Period M — W	1st. Period T — Th	2nd. Period M — W	2nd. Period T — Th	8 — 11 A.M.
1 — 4 P.M.	3rd. Period M — W	3rd. Period T — Th	4th Period M — W	4th Period T — Th	1 — 4 P.M.
6 — 9 P.M.	5th Period M — W	5th Period T — Th	6th. Period M — W	6th. Period T — Th	6 — 9 P.M.

Find your class(es) in the squares: Read up to find the day and across to find the hour.

### SPRING 1977

	JUNE 1	JUNE 2	JUNE 6	JUNE 7	
8 — 11 A.M.	1st. Period M — W	1st Period T — Th	2nd. Period M — W	2nd. Period T — Th	8 — 11 A.M.
1 — 4 P.M.	3rd. Period M — W	3rd. Period T — Th	4th Period M — W	4th Period T — Th	1 — 4 P.M.
6 — 9 P.M.	5th Period M — W	5th Period T — Th	6th. Period M — W	6th. Period T — Th	6 — 9 P.M.

Find your class(es) in the squares: Read up to find the day and across to find the hour.

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## UNDERGRADUATE AREAS OF STUDY AND ACADEMIC ABBREVIATIONS

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### School of Business

Accounting and Finance .....	ACF
Banking and Finance .....	BF
Computer Systems Management .....	CM
Economics .....	EC
General Business .....	GB
Management .....	MN
Marketing .....	MT
Transportation .....	TP

### School of Education

General Education .....	ED
Early Childhood Education .....	ECE
Elementary Education .....	EED
Foundations of Education .....	FED
Physical Education .....	HPE
Secondary Education .....	SED
Special Education .....	SPE

### School of Liberal Arts

Art .....	AT
English .....	EH
Journalism .....	JM
Foreign Languages .....	FL
General Studies .....	BGS
Geography .....	GY
History .....	HY
Liberal Arts General Curriculum .....	GCA
Music .....	MU
Philosophy .....	PH
Sociology .....	SY
Speech .....	SP
Theater .....	TH
Urban Studies .....	US

### School of Sciences

Astronomy .....	AS
Biology .....	BI
Biological Science .....	BBS
Environmental Studies .....	BES
Environmental Technology .....	BET
Laboratory Technology .....	BLT
Chemistry .....	CH



Criminal Justice.....	CJ
General Curriculum Sciences.....	GCS
Government.....	GV
Mathematics.....	MH
Physics.....	PS
Physical Sciences.....	PHS
Pre-Engineering.....	PEN
Pre-Law.....	PL
Pre-Medical (Pre-Dental).....	PM
Pre-Nursing.....	PNU
Pre-Pharmacy.....	PPH
Pre-Veterinary Medicine.....	PVM
Psychology.....	PG
Urban Studies.....	US



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## BOARD OF TRUSTEES

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Under the organic and statutory laws of Alabama, Auburn University is governed by a Board of Trustees consisting of one member from each congressional district, as these districts were constituted on January 1, 1961, an extra member from the congressional district in which the institution is located, and the Governor and State Superintendent of Education, who are ex-officio members. The Governor is chairman. Members of the Board of Trustees are appointed by the Governor for twelve years. Members of the board receive no compensation. Trustees serve until reappointed or their successors are named.

The Board of Trustees place administrative authority and responsibility in the hands of an administrative officer at Auburn University. The institution is grouped for administrative purposes into schools and departments.

### MEMBERS OF THE BOARD

His Excellency, George C. Wallace, Governor, President  
(Ex-officio) ..... Montgomery

Dr. Wayne Teague, State Superintendent of Education  
(Ex-officio) ..... Montgomery

Name	District	Home
<b>Term Expires 1979</b>		
William Nichols	Fourth	Sylacauga
Mrs. Sue Fincher	Fifth	Wedowee
Walston Hester	Seventh	Russellville

<b>Term Expires 1983</b>		
R. C. Bamberg, Vice President	Sixth	Uniontown
Robert H. Harris	Eighth	Decatur
Charles M. Smith, III	Second	Montgomery

<b>Term Expires 1987</b>		
John Pace, III	First	Mobile
Henry Steagall	Third	Ozark
Ralph Jordan	Third	Auburn
Frank P. Samford, Jr.	Ninth	Birmingham

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## ADMINISTRATIVE COUNCIL

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- Philpott, Harry M., *President* . . . . . 1965  
A.B., Washington and Lee University; Ph.D., Yale University; D.D. (Hon.)  
Stetson University, LL.D. (Hon.), Washington and Lee University; LL.D.  
(Hon.), University of Florida.
- Funderburk, H. Hanly, Jr., *Vice President* . . . . . 1968  
B.S., M.S., Auburn University; Ph.D., Louisiana State University.
- Holsenbeck, Daniel C., *Assistant Vice President  
for Development* . . . . . 1975  
B.S., Auburn University; M.Ed., Johns Hopkins University; Ph.D., Florida  
State University.
- Williams, James O., *Assistant Vice President for Academic  
Affairs and Assistant Dean, Graduate School* . . . . . 1969  
B.S., M.Ed., Ed.D., Auburn University.
- Black, Diane C., *Director, University Relations* . . . . . 1974  
B.S., University of Alabama.
- Boyles, Wiley R., *Dean, School of Sciences* . . . . . 1970  
B.S., University of Chattanooga; Ph.D., University of Tennessee.
- Boyne, John J., *Director, Air University  
Graduate Division* . . . . . 1968  
A.B., M.A., University of Alabama; Ph.D., University of North Carolina.
- Clark, William D., *Dean, School of Business* . . . . . 1969  
B.S., M.B.A., Ph.D., University of Arkansas.
- Daniel, Richard W., *Director, Continuing Education* . . . . . 1972  
B.S., M.Ed., Ed.D., North Carolina State University.
- Dunlavy, Darold, *Dean, Student Affairs* . . . . . 1971  
B.A., M.Ed., University of Montevallo.
- Jacobs, Grover T., *Director, Finance* . . . . . 1976  
B.S., Troy State University, M.S., George Peabody College, LLB, Jones Law In-  
stitute.
- Maxson, Robert C., *Dean, School of Education* . . . . . 1970  
B.S., Arkansas A & M College; M.Ed., Florida Atlantic University; Ed.D.,  
Mississippi State University.
- Nance, Guinevera A., *Dean, School of Liberal Arts* . . . . . 1971  
B.A., Texas Christian University; M.A., Ph.D., University of Virginia.
- Pastorett, Richard T., *Director, Libraries* . . . . . 1969  
B.S., Mount St. Mary's College; M.A., Florida State University.



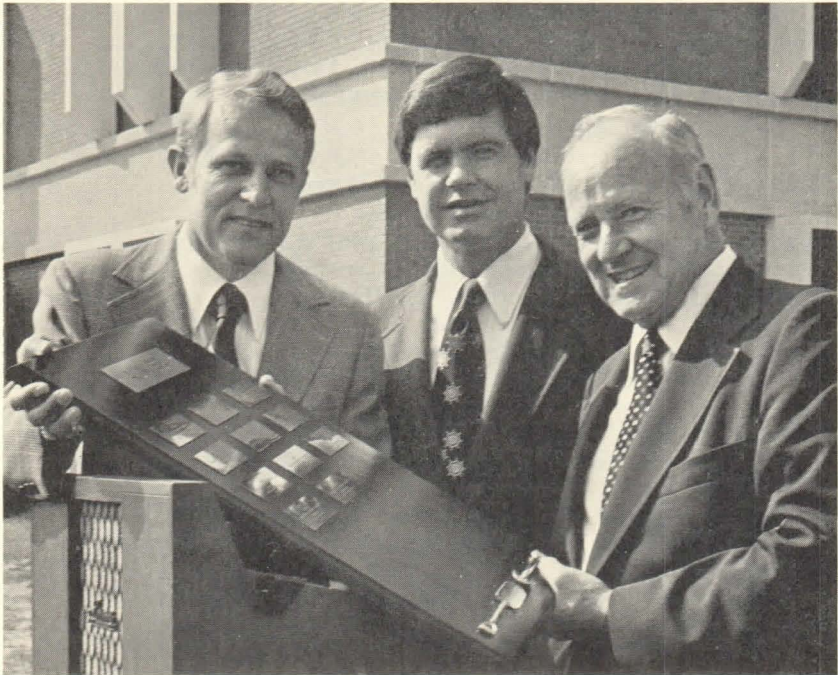
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## ADVISORY BOARD

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Newton J. Bell, III  
Charles P. Brightwell  
James M. Folmar  
Robert S. Gaddis  
Jack J. Kirschenfeld  
Edward L. Lowder  
William H. McLemore  
Mrs. Jerome T. Moore  
Frank A. Plummer

James G. Pruett  
Robbins Taylor  
George von Gal, Jr.  
Milton A. Wendland  
C. E. Weldon, Jr.  
Dr. John H. Winston, Jr.  
James Robinson, Ex-officio  
William Joseph, Ex-officio  
Charles M. Smith, III, Ex-officio





## OBJECTIVES OF AUBURN UNIVERSITY AT MONTGOMERY

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The objectives of Auburn University at Montgomery may be considered in two categories — **general** and **specific**.

The **general objectives** of Auburn University at Montgomery reflect the institution's awareness of her role and responsibilities as an emerging state supported institution of higher learning whose place in history favors her evolving into a dynamic and complex center of learning, research, and culture. Consequently, Auburn University at Montgomery is dedicated to:

Providing for its students, within the resources of the institution, educational opportunities of a liberal character as well as those of a specialized nature;

Developing graduates whose knowledge, intellectual discipline, and experience in the multiple aspects of our culture will be manifest in service to their fellow man and to the state and nation;

Conducting, insofar as possible, programs of research in an effort to stimulate the faculty and students in their quest for knowledge; to promote their intellectual growth and development; to broaden the foundations of knowledge; to increase understanding of today's and tomorrow's world; and, finally, to aid in resolving the unique problems of contemporary society;

Creating and implementing effective programs of education and service which will extend the scientific, professional, and cultural resources of the University to individuals, communities, institutions, and industries, thereby contributing to an improved technology, better environmental and health conditions, an enhancement of the general level of living, and the development of more responsible citizenship;

Enriching our cultural heritage through active encouragement of scholarly and creative effort in the arts, humanities, and sciences so that the University may serve its students and the community at large as a vital source of cultural enlightenment and as a stimulus toward their participation in the intellectual life; and

Reassessing continuously the value of particular objectives and programs of the University in order to make them accord with new knowledge and changing social conditions; and as a part of this reassessment to seek ever more efficient and imaginative means of fulfilling the University's purposes.

The **specific objectives** of Auburn University at Montgomery reflect the institution's basic commitment to serve the diverse and expanding educational needs of the State. At present, AUM objectifies this commitment by



providing for Montgomery and South-Central Alabama comprehensive educational, professional, and cultural programs dedicated to:

Providing a sufficiently strong undergraduate institution offering degrees in the arts, sciences, business, and teacher education;

Developing and enlarging within these academic areas appropriate graduate programs. Large and growing urban communities, particularly Montgomery with its unique character dominated by state government, military installations, and a large professional population, place an ever increasing demand upon the local institution(s) of higher learning for opportunities for post-graduate education;

Offering residents of the region, those who are not specifically interested in degree programs, the opportunity to continue their education for either cultural or professional reasons; and

Conducting a broad program of individual and institutional research and consultative services for the general benefit of the community, region, and state.

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## HISTORY

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Auburn University at Montgomery was established by Act 403 of the 1967 Alabama Legislature. This action resulted from the request of the citizens of the Montgomery area to establish a degree-granting institution to serve Montgomery and the surrounding counties. In March, 1968, Dr. H. Hanly Funderburk, Jr. was appointed Vice President, Auburn University at Montgomery, to administer the new institution. A 500-acre tract which was a part of the McLemore Plantation was purchased as the site for the new campus. The land is located approximately seven miles east of downtown Montgomery between Interstate 85 and U.S. Highway 80. Two architectural firms were hired to develop a master plan for the new campus and to design the original buildings. The new campus was occupied in the fall, 1971.

Prior to the establishment of AUM, The University of Alabama operated an extension center on Bell Street in the downtown section of the city. When the decision was made to establish AUM, the facilities which were owned by the University of Alabama were purchased by Auburn University. These facilities served as a temporary location for AUM from 1968 until 1971, while the campus was being developed. The Bell Street campus is still used in several of AUM's present programs.

In cooperation with Air University at Maxwell Air Force Base, Master's degree programs are offered in Political Science, Business Administration, Public Administration, and Education. These classes meet at Maxwell AFB in facilities provided by the Air University. Approximately 250 students are enrolled in these programs during each academic year.



Since September, 1969, classes have been offered both during the day and evening hours, from 8 a.m. to 10 p.m. to provide greater flexibility in the scheduling of classes. In September, 1975, AUM had a total student enrollment of 3797. In addition to the students enrolled in credit courses, over 1241 were enrolled in Continuing Education activities. The total enrollment figure represents an increase of 21% over the previous fall quarter, placing AUM among the fastest growing universities in the state.

AUM is organized into five academic schools and one service or extension division. The academic schools are Liberal Arts; Sciences; Education; Business; and the Air University Graduate Division. The Extension division is the Division of Continuing Education. The schools of Liberal Arts, Sciences, Education, and Business offer both undergraduate and graduate programs directly responsive to the needs of the Montgomery area.

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## LOCATION

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The campus of Auburn University at Montgomery is located between U.S. Highway 80 (Atlanta Highway) and Interstate 85, just east of downtown Montgomery. This location makes AUM easily accessible from any point in or near the Montgomery area.

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## THE CAMPUS AND BUILDINGS

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At present, the campus has five major buildings — three classroom buildings, the library (first phase) and the student center (first phase). A physical education and athletic facility will be completed during the summer of 1976.

Goodwyn Hall contains approximately 100,000 square feet of space. The Schools of Science and Business as well as the Division of Continuing Education are housed in Goodwyn Hall.

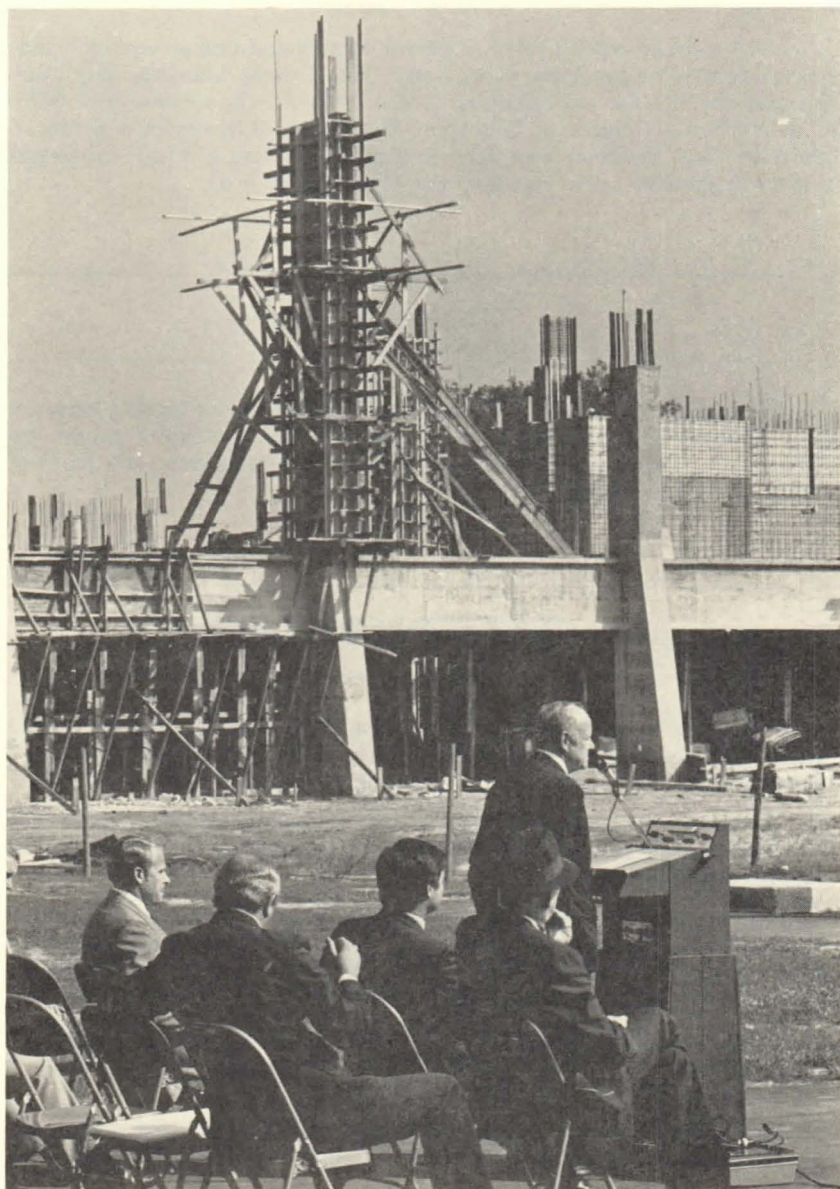
The School of Education is housed in one wing of the Liberal Arts/Education complex completed in 1974 and the School of Liberal Arts is housed in a new wing completed in 1975. This complex contains classrooms, offices, counseling rooms, a reading clinic and a speech and hearing clinic.

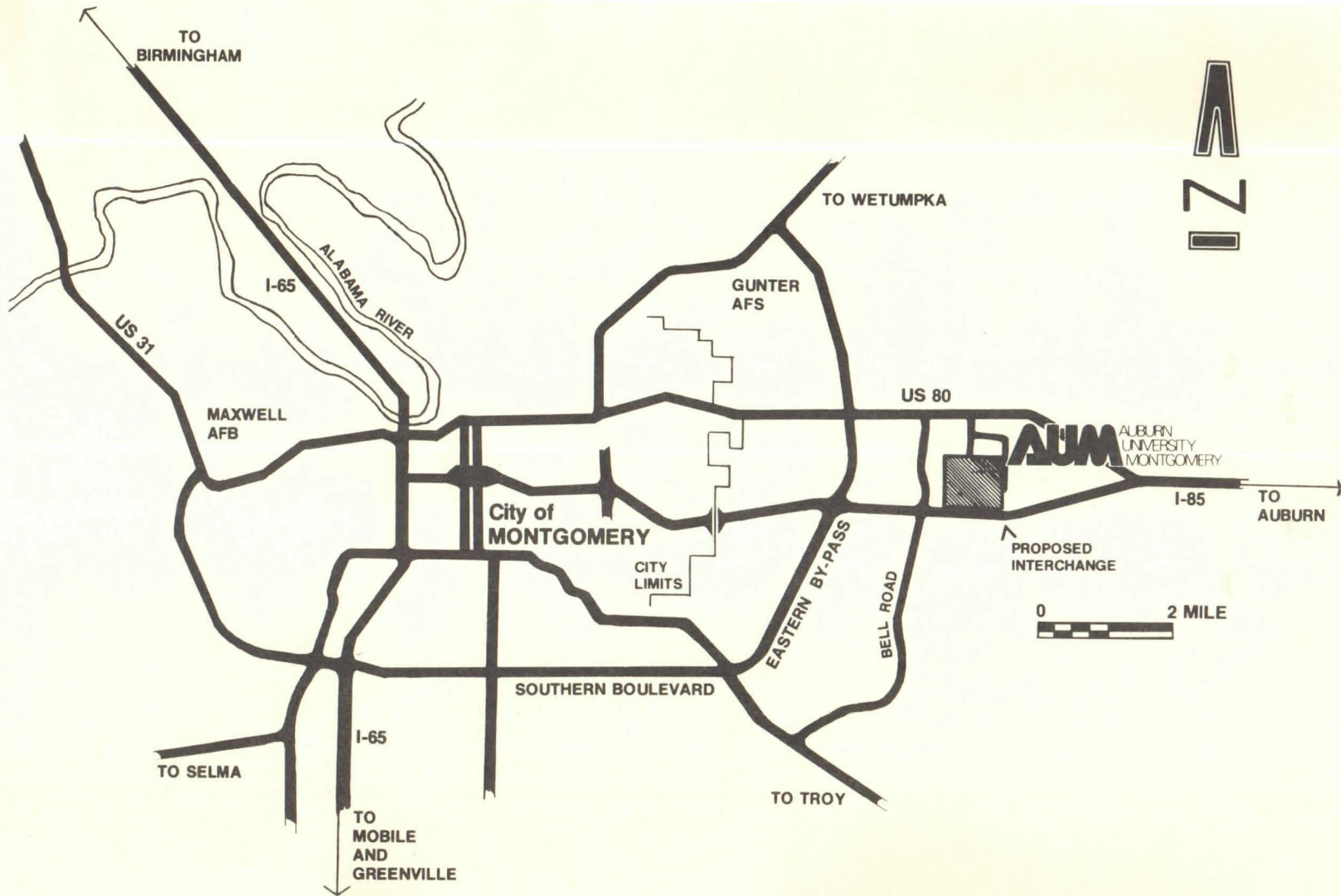
The Library Building contains some 50,000 square feet and houses both the Library and Administrative Offices. The ten-story tower portion will be added, it is hoped, within the next five years.

The Student Center contains a cafeteria/snackbar, a bookstore, a recreation room, student study and television lounges, and offices for student activities.

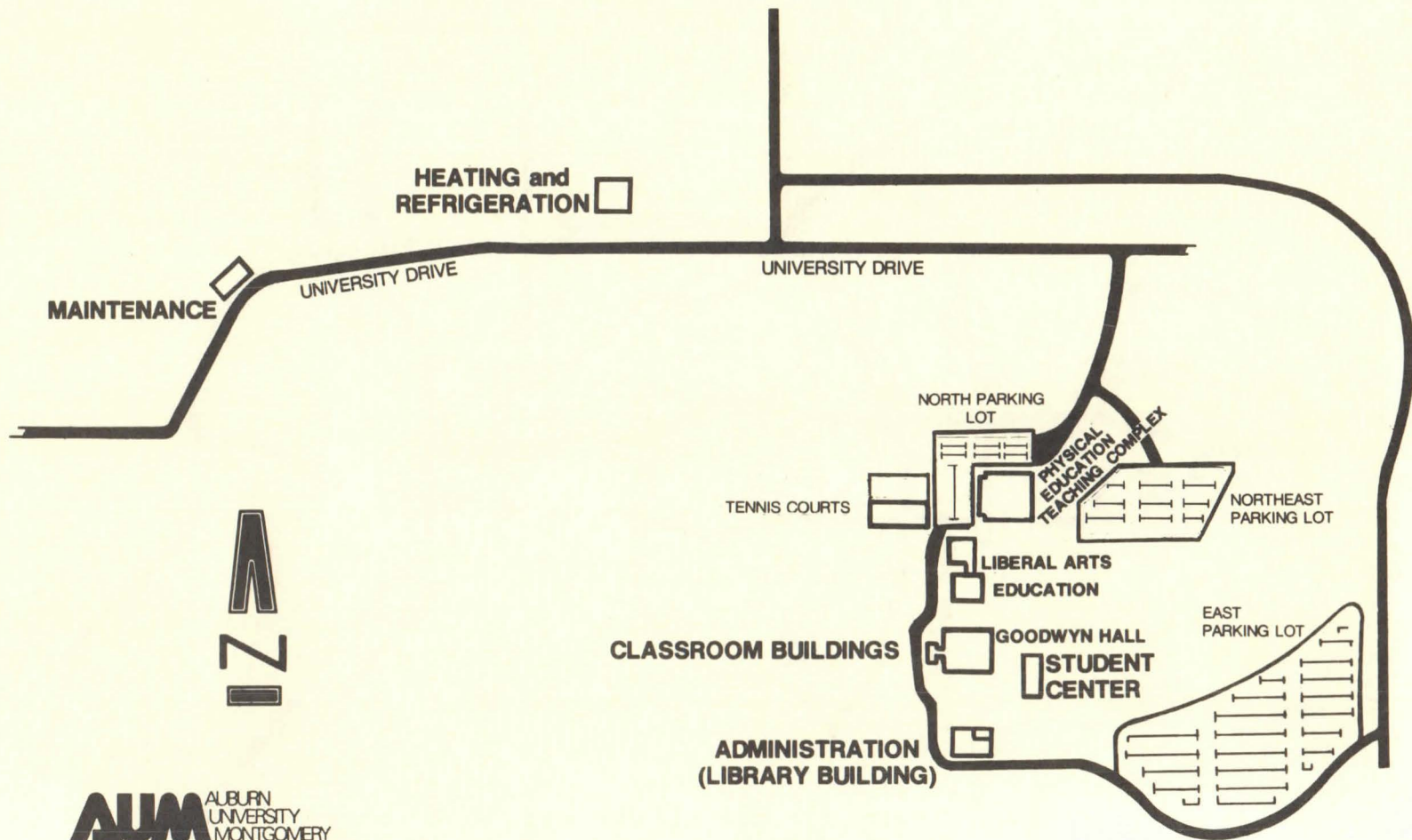
Construction of AUM's new School of Business will begin the summer of 1976, with anticipated completion date of summer 1977.

The master plan calls for ten or twelve buildings to be completed by 1980.









**AUM** AUBURN  
UNIVERSITY  
MONTGOMERY  
**CAMPUS**

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## ADMISSIONS

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Application for admission to any undergraduate school or curriculum of the University must be made to the Admissions Office, Auburn University at Montgomery, Montgomery, Alabama 36109. The necessary application forms and specific instructions may be obtained from the Admissions Office.

Students may apply for admission to any quarter of a given calendar year as early as October 1 of the preceding year. Credentials should be filed at the earliest possible time. In every case, complete admission credentials, including the physical report, must be filed at least three weeks prior to the opening of the quarter in which admission is desired.

A ten dollar (\$10.00) application processing fee must accompany all applications for admission. This fee is required for all undergraduate applications and is not refundable or applicable to registration or tuition fees. In submitting admission credentials, applicants must give complete and accurate information. False or misleading statements can result in denial of admission or cancellation of registration.

Applicants may be admitted in any quarter.

### NON-RESIDENT STUDENTS

Preference is given to the admission of residents of Alabama; however, applications from out-of-state residents will be accepted. The number of out-of-state students who are accepted will be determined by the availability of facilities and faculty.

For the purpose of assessing fees, applicants shall be classified as Alabama or non-Alabama students. Non-Alabama students (except graduate students) are required to pay a tuition fee. An Alabama student is a person who shall be a citizen of the United States or a resident alien and who shall have resided and had his habitation, home, and permanent abode in the State of Alabama for at least twelve (12) months immediately preceding his current registration. In applying this regulation, "applicant" shall mean a person applying for admission to the institution if he is married or 21 years of age, or otherwise, it shall mean parents, parent, or legal guardian of his or her person. If the parents are divorced, residence will be determined by the residency of the parent to whom the court has granted custody.

In the determining of an Alabama student for purposes of assessing fees, the burden of proof is on the applicant. An applicant can change his status from non-Alabama to Alabama student only by actually and physically coming into the state for the required period with the intention of residing within the state.

A non-Alabama student may apply in writing for reclassification prior to any subsequent registration. To qualify for reclassification as an Alabama student, the applicant (1) shall present evidence of having resided in Alabama for twelve (12) consecutive months preceding his request for

reclassification, (2) shall submit evidence that he has met the usual and expected obligations of an Alabama citizen, and (3) shall file a declaration of intent to reside in Alabama. An alien shall have resided in Alabama for twelve (12) months and must present U.S. Immigration and Naturalization certification that he is a resident alien. If the application is supported by evidence satisfactory to the university that the student then qualifies as an Alabama student, his classification may be changed for future registrations.

A dependent of a member of the Armed Forces stationed in Alabama on active duty by official orders shall not be liable for payment of non-Alabama tuition during the period of military assignment in Alabama. Dependents of a member of the Armed Forces not stationed in Alabama must furnish proof of Alabama domicile. Verification of "Home of Record" must be attested to by military authority for a minimum period of one year before entry of the student.

The registrar shall have the responsibility for determining whether a student shall be classified as an Alabama or non-Alabama student. The decision of the registrar shall be subject to review by the vice president or his designated representative upon written request of the application.

## **ADMISSION TO FRESHMAN CLASS**

### **Standard Admission**

Commensurate with available faculty and facilities, favorable consideration for admission will be given to graduates of accredited secondary schools whose college ability test scores and high school grades indicate they can be successful in fields of study in which they seek enrollment.

Although the University makes few stipulations about definite high school courses, all students planning to apply for admission should emphasize in their programs the following subjects: English, mathematics, social studies, sciences, and foreign languages. A minimum of 16 high school units is required for admission. Four of these units may be vocational subjects.

Alabama residents are required to complete the American College Test (ACT) on one of the announced national testing dates. Either the ACT or the Scholastic Aptitude Test (SAT) of the College Entrance Examination Board will be accepted for applicants from states other than Alabama.

Applicants of mature age who have not graduated from high school may be considered for freshman admission if scores made on the USAFI General Educational Development Test, the American College Test and/or such special achievement tests or subject examinations as may be recommended by the Committee on Admissions, indicate educational attainment equivalent to graduation from high school.

Applicants from non-accredited high schools may be accepted if they have satisfactory scores on tests prescribed by the Committee on Admissions.



## **CREDIT-BY-EXAMINATION**

### **GENERAL POLICY:**

Students enrolled at Auburn University at Montgomery may earn college credit by examination for acceptable scores on the College-Level Examination Program (CLEP). The test scores are equated with specific courses in the current Auburn University at Montgomery catalog, and a student may receive credit in those areas in which he has not earned academic credit accepted by Auburn University at Montgomery. Generally, a student may not attempt Credit-by-Examination for a course in which he has received a failing grade or for a basic course in those areas in which he has acceptable college credit for more advanced courses.

All requests for Credit-by-Examination are submitted to the Registrar's Office. Test results are evaluated by the Registrar's Office and recorded on a student's transcript if credit is earned. Quarter hours of credit toward graduation are earned on the basis of these tests but no grades or quality points are given; therefore, these credits will not affect a student's grade point average. Ordinarily, no examinations may be repeated in an attempt to receive credit. A student may receive up to 90 quarter hours credit on the basis of non-classroom experience.

### **Admission of Transfer Students**

Students who have previous academic records at College or University level may be admitted as transfer students.

For residents of Alabama or other states party to the Southern Regional Education Board, a satisfactory citizenship record, an overall average of "C" or better on all college work attempted, and eligibility to re-enter the last institution attended are required for transfer admission.

Graduation from a junior college does not of itself assure an applicant of admission to Auburn University at Montgomery. Such applicants must also present an overall average of "C" or better on all work attempted. The maximum credit allowed for work done in a junior college will not exceed 100 quarter hours.

Each applicant must submit one official transcript of his record from each institution attended. It may also be necessary for a transfer applicant to submit one transcript of his high school record.

The amount of transfer credit and advanced standing allowed will be determined by the appropriate Division Chairman and the Registrar. Grades of "D" will be accepted as long as overall accumulative grade point average remains above "C."

Students transferring from institutions not fully accredited by the appropriate regional agency may be granted provisional credit. When provisional credit is allowed, the final amount of credit will be determined after the student has completed one year of course work (credit hours and residence quarters) at AUM. If a "C" average is not achieved, the amount of

credit will be reduced in proportion to the number of hours in which a "C" or higher grade is not earned.

### **Admission of Transient Students**

A student in good standing in an accredited college or university may be admitted to Auburn University at Montgomery as a transient student when available faculty and facilities permit.

To be eligible for consideration for admission, a transient student applicant must submit a Transient Student Form properly completed and signed by the Dean or Registrar of the college or university in which he is currently enrolled.

Permission to enroll in courses on a transient basis is granted for one quarter only, and a student who wishes to seek re-entry in the transient classification must submit another Transient Student Form. It must be understood that transient student permission does not constitute admission or formal matriculation as a regularly enrolled student (degree candidate); however, a transient student is subject to the same fees and regulations as a regular student except that academic continuation in residence requirements shall not apply.

It is the responsibility of the transient student to check with the academic department offering the courses in which the student wishes to enroll to determine if he has met course prerequisites and if he has the necessary preparation to take the course desired.

If at any time a transient student desires to enroll as a regular student, he must make formal application for admission to the University as a transfer student and submit one complete transcript from each college or university attended.

### **Admission of Unclassified Students**

For residents of Alabama and other states party to the Southern Regional Education Board, admission to undergraduate programs as an Unclassified Student may be granted on the basis of a baccalaureate degree from an accredited senior college or university. Students desiring to enroll in this classification must submit the same admission credentials as transfer applicants.

### **Admission of Special Students**

Persons who cannot fulfill the regular admission requirements for freshman or transfer standing but otherwise have acquired adequate preparation for university courses may be admitted as special students. Course credits earned by special students may be used as credit toward a degree at Auburn University at Montgomery, upon approval of the Dean.



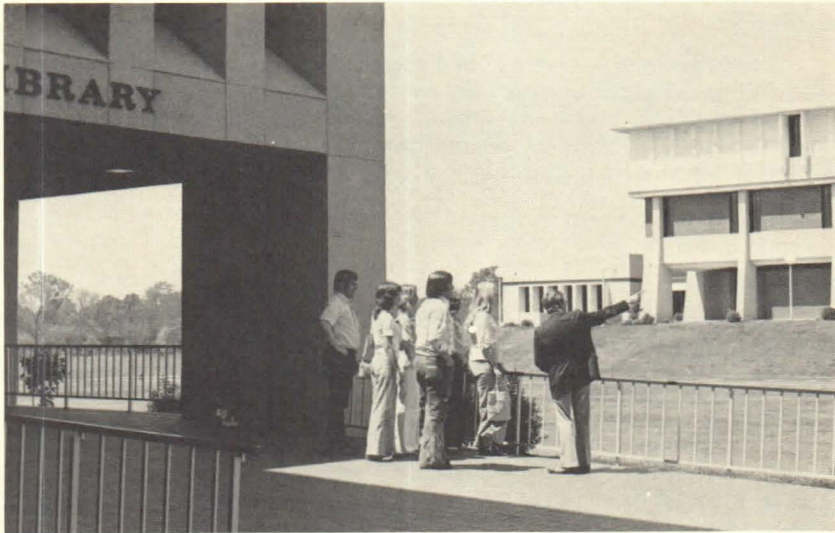
### Admission of Auditors

When available faculty and facilities permit, a person not desiring admission for course credit may be allowed to audit a lecture course or the lecture part of a combined lecture and laboratory course with the approval of the Admissions Office and the student's Dean. A formal application for admission must be filed, but the \$10.00 application processing fee and the physical examination report are not required.

### Admission to Graduate Standing

Graduation with a Bachelor's degree or its equivalent from an accredited college or university plus submission of satisfactory scores on the Aptitude Test of the Graduate Record Examination are requisite for admission to the Graduate School. The undergraduate preparation of each applicant for admission must also satisfy the requirements of a screening committee of the school or department in which he desires to major. Any student in good standing in any recognized graduate school who wishes to enroll in the summer session, in an off-campus workshop or in a short session and who plans to return to his former college may be admitted as a "graduate transient." For further information or applications contact the Director of Admissions or the Assistant Dean of Graduate School, Auburn University at Montgomery.

An undergraduate student who is within ten quarter hours of graduation may register for graduate courses during his last quarter in school. If the student is accepted into one of the graduate programs upon graduation with the bachelor's degree, such work taken as an undergraduate may be applied to the master's degree. Any work must be accepted by the school in which the graduate program is offered.





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## FEES AND CHARGES

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THE FOLLOWING FEES AND CHARGES ARE IN EFFECT AT THIS TIME. HOWEVER, SINCE THE CATALOG MUST BE PUBLISHED CONSIDERABLY IN ADVANCE OF THE NEXT SCHOOL YEAR IT IS NOT ALWAYS POSSIBLE TO ANTICIPATE CHANGES AND THE FEE SCHEDULE MAY BE REVISED. EVERY EFFORT WILL BE MADE TO PUBLICIZE CHANGES AS FAR IN ADVANCE AS POSSIBLE.

Auburn University at Montgomery's fees have remained somewhat lower than fees charged at similar institutions in the Southeast and throughout the nation as a whole. As costs have risen small increases in fees charged have been authorized by the Board of Trustees from time to time to meet these increased costs. Every effort is made to hold these charges to the minimum.

### PAYMENT OF FEES AND CHARGES

Students are expected to meet all financial obligations when they fall due. Auburn University at Montgomery reserves the right to deny admission or to drop any student who fails to meet promptly his financial obligations to the University. It is each student's responsibility to keep informed of all registration and fee payment dates, deadlines and other requirements by referring to the official university calendar. Where necessary, students should inform their parents of the deadline dates and the necessity for meeting them.

### CHECKS

Checks given in payment of fees and charges are accepted subject to final payment. If the student's bank does not honor the demand for payment and returns the check unpaid, the student will be assessed the late penalty of \$5.00 or \$10.00, whichever is applicable, and if payment is not cleared promptly the student's registration will be cancelled.

### VETERANS

Veterans enrolled under the Federal G.I. Bill P.L. 358 and P.L. 634 receive their allowance directly from the Government and are responsible for paying their fees and charges on the same basis as other students (this does not apply to P.L. 815 or P.L. 894).

**BASIC QUARTERLY CHARGES:** All fees due and payable at time of registration.

**Full-time students** (10 hours or more)

Course Fee ..... **\$175.00**  
 (Does not constitute full-time VA or Social Security)

**Non-Resident Fee** ..... **\$175.00**

(additional fee charged all non-resident full-time students  
 other than graduate students)

**Part-time students** (not exceeding 9 hours per quarter)

Course Fee (per credit hour). .... **\$15.00**

Registration Fee. .... **\$10.00**

(The \$10.00 registration fee is remitted to full time faculty and  
 staff members.)

**Other Fees and Charges**

Clearing for Graduation Fee. .... **\$10.00**

A student who is a candidate for a degree in a quarter in which no  
 credit work is taken is required to register in such quarter as a pre-  
 requisite to graduation. Graduation fee is to be paid in addition to  
 this charge.

Graduation Fee. .... **\$10.00**

Payable at beginning of the quarter in which the student expects to  
 receive a degree. Deadline—two weeks before Graduation (trans-  
 ferable to next quarter or refundable if student fails to qualify).

Service and Penalty charges for Late Registration or Payment **\$5.00**

All students, regardless of classification must clear fees and tuition  
 by the deadline set by the University , or pay the above listed  
 charge.

Auditing Fee (per course). .... **\$35.00**

Any student who pays less than full fees must pay this fee for  
 auditing a course.

Schedule Adjustment Fee. .... **\$5.00**

Charge is made in all cases where student is not required by the  
 university to change, but has the Division Chairman's approval to  
 do so after classes begin.

Transcript Fee. .... **\$1.00**

**REGISTRATION FEE CANCELLATION OR REFUNDS**

If student pays fees prior to opening of the quarter, then withdraws  
 prior to final registration date for new students, all fees will be refunded. If  
 student resigns within the first two weeks after classes begin, all fees, less  
 charges, will be refunded, except the sum of \$10.00 will be retained as a  
 registration fee. No refunds will be made in case of withdrawal after two  
 weeks of classes, except in cases of withdrawal caused by personal illness or  
 call into military service. Students suspended for disciplinary reasons are not  
 eligible for refunds nor cancellation of accounts due.



### AVAILABLE ASSISTANCE PROGRAMS

Financial aid is available to worthy students to help in meeting educational costs incurred while attending AUM. The University participates in the College Scholarship Service (CSS) of the College Entrance Examination Board. Participants in CSS subscribe to the principle that the amount of financial aid granted a student should be based on financial need. The CSS assists colleges and universities and other agencies in determining the student's need for financial assistance. Entering students seeking financial assistance are required to submit a copy of the Parents Confidential Statement (PCS) form to the CSS, designating Auburn University at Montgomery as one of the recipients by March 1 of each year.

A pamphlet describing financial aid programs and procedure for making application may be obtained by writing to the Office of Student Financial Aid, Auburn University at Montgomery. Financial aid comes in the form of scholarships, grants, loans, and work-study programs.

### EDUCATIONAL BENEFITS FOR VETERANS

Many current publications describe in complete detail the educational programs authorized by Congress under the following federal acts: Public Law 16 (Vocational Rehabilitation), Public Laws 894 and 815 (Vocational Rehabilitation Revised), Public Laws 634 (War Orphans Educational Assistance Act) and Public Law 358 (Veterans Readjustment Benefits Act of 1966).

Auburn University at Montgomery is fully approved by the Veterans Administration to give training under these laws. Veterans planning to attend school under one of these laws should make application either directly to the Veterans Administration or with the Veterans Affairs Office at AUM.

Veterans Educational Benefits will give you a monthly stipend which varies according to the amount of time you spend in school each quarter and your number of dependents. At AUM a full-time undergraduate student is one who enrolls in twelve or more quarter hours; three-quarter benefits are available for those taking ten or eleven hours; and those enrolled in six to nine hours receive one-half of the full amount.

Graduate students receive full benefits with eight or more quarter hours, three-quarter benefits for six or seven hours, and one-half benefits when they are enrolled in four or five hours each quarter. Both graduate and undergraduate students enrolled less than one-half time receive cost of tuition and fees only.

**A veteran, serviceman, or eligible dependent, who is initially entering training or each time he reenters may request advance payment. Advance payment should be requested at least 35 days prior to final registration. Servicemen may request advance payment each quarter. Under advanced payment the VA sends the first check, covering the initial two months of the quarter, to the school. Subsequent payments are mailed directly to the veteran. When possible, those enrolling under VA laws should have sufficient funds to finance themselves for one quarter or at least until payments begin coming from the Veterans Administration (approximately six weeks).**



Eligible veterans may also qualify for additional VA benefits. These are Tutorial Assistance, VA Work Study Program, and VA Educational Loans.

For complete information about these programs contact the Coordinator of Veterans Affairs, Auburn University at Montgomery, Montgomery, Alabama 36109.

Determination of eligibility and clarification of available Federal and State benefits may be accomplished by consulting the following:

Federal — Consult Veterans Administration Office, Montgomery, Alabama 36104

State — Consult Department of Veterans Affairs, P.O. Box 1509, Montgomery, Alabama 36102

Social Security — Consult the local or county Social Security Office.

Vocational Rehabilitation — Consult the State Rehabilitation Office Room 461, State Office Building, Montgomery, Alabama 36104.

**The following regulations will apply to all AUM students who receive Veterans Educational Benefits.**

**I. Class Attendance**

Attendance will be taken in all classes and those receiving V.A. Educational Benefits will be required to attend 75% of the scheduled classes in a particular course. Whenever cumulative absences from scheduled classes exceed 25% (5 class sessions), the veteran or eligible person will have his veterans benefits terminated for that course effective from the last date of attendance.

**II. Withdrawal**

Students receiving V.A. Educational Benefits may withdraw from a course without penalty if the withdrawal occurs within the first 5 weeks of the Quarter (before the 11th class session). Withdrawals with a WF will be recorded on the student's transcripts and computed in the grade point average. V.A. Benefits will be terminated from the last day of attendance. Withdrawals after the 10th class session with WP will have this grade considered the same as audit and V.A. Benefit for that course will be terminated from the beginning of the Quarter. Possible exceptions in the withdrawal policy may be made where there are extenuating circumstances. Those receiving V.A. Benefits may want to consult with the coordinator of Veterans Affairs before resigning or dropping courses.

**III. Satisfactory Progress**

Those receiving V.A. Educational Benefits are expected to make satisfactory progress toward a degree. Normal standards of progress as stated in the AUM catalog are in effect for all students. In order to maintain satisfactory progress the following should be carefully considered.

A. Develop a close advising relationship with your departmental advisor.

B. Be sure courses taken are essential to your degree

program. Veterans or eligible persons cannot receive V.A. Benefits for courses that are not essential to their degree program or to repeat courses in which they already have credit. Students in violation of this will be considered liable for repayment of all benefits received while pursuing non-essential courses.

- C. No student who is receiving V.A. Educational Benefits will be considered to have made satisfactory progress when he or she fails or withdraws from all subjects undertaken when enrolled in 2 or more courses. Academic suspension is also non-satisfactory progress.

Students not making satisfactory progress as stated above cannot continue to receive V.A. Educational Benefits until they have V.A. counseling (at VARO, Aronov Building), and have V.A. approval for their benefits to be restored.

Where there are questions about these policies please feel free to come by the Admission Office and see Mr. Lee Davis for further explanation.



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## AUM — HUNTINGDON CROSS-ENROLLMENT

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In keeping with the desire to provide a complete and flexible educational opportunity for students in the Montgomery area, AUM and Huntingdon have agreed to a cross-enrollment arrangement. Under this agreement it is possible for a student enrolled at AUM or Huntingdon to have access to courses offered on either campus. The specific details of this agreement are as follows:

1. Students officially registered and enrolled on a full-time basis in either institution, will be allowed to cross-enroll in the other institution for a maximum of one regular course, or the equivalent, during a given term. A course shall be limited to a three-hour semester course or a five-hour quarter course.
2. All academic courses of either institution are subject to cross-enrollment.
3. Tuition and registration fees will be waived by the host institution; but the cross-enrolled student will be obligated to pay the host institution all laboratory fees and other special charges normally made for certain courses.
4. Cross-enrollment must occur during coinciding terms. If the student's enrollment status, at the home institution, changes during the term, he may remain enrolled at the host institution by paying all normal tuition and fees retroactive to the beginning of the term.
5. Students will be cross-enrolled only upon approval of their Dean and upon presentation of cross-enrollment permission forms to the registrar at the host institution.
6. Cross-enrolled students are subject to all other rules and regulations of the host institution.
7. The registrar of the host institution will forward all grades of cross-enrolled students to the registrar of the home institution at the end of each term.



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## UNIVERSITY REGULATIONS

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### ACADEMIC REGULATIONS

Students pursuing academic programs must comply with regulations and follow procedures prescribed by the University. Regulations relating to registration, class attendance, grading system, examinations, degree requirements, honors, and other academic matters are presented in the following pages.

#### THE UNIVERSITY LIBERAL EDUCATION PROGRAM

The University's undergraduate instructional program requires that each student complete a component or general studies in addition to the requirements of his school or departmental major. This component is divided into a "foundation year" of coursework in English composition, world history, natural science, mathematics or logic, and is to be taken during the lower-division years, primarily at the freshman level. A certain number of hours must also be completed in elective courses lying outside the student's major area. These are to be completed, in part at least, during the upper-division years.

The goals of this "experience in breadth" are to some extent intangible: the development in the student of the values of tolerance, intellectual honesty, and a capacity for reflective judgment. More specifically, it is hoped that the student will acquire an ability to order his thoughts in a clearly expressed and reasoned manner; attain a grasp of the scientific method and discipline; develop some understanding of his culture and its backgrounds; and come to perceive the vital issues of our common life as citizens in a complex and changing world.

Requirement	Hours	Option
English Composition EH 101-102 (5-5)	10	None
World History HY 101-102 (5-5)	10	None
Natural Sciences	Minimum of 10	None
Mathematics	Minimum of 5	Mathematics 100-159-161 (5-5-5)
Electives	Minimum of 20 <sup>1</sup>	

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<sup>1</sup>A minimum of 20 hours of liberal education studies are to be taken by each student; these will consist of coursework in two broad academic areas other than that in which his major lies (Humanities and Fine Arts, Social Sciences, Mathematics and Natural Science), with no less than one course in each area.

The minimum University requirements for all students are listed above; however, individual schools and departments may increase the number of hours in this component of their undergraduate programs. The student should consult the appropriate curriculum model in his School for complete requirements.





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## CLASS ENROLLMENT AND ATTENDANCE

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### GENERAL REQUIREMENTS

**CLASS ATTENDANCE** — Students are expected to attend punctually every recitation, laboratory exercise, and other University activities.

**REGISTRATION** — A service charge will be made for registration after the official dates listed in the University Calendar.

Every student is required to be registered in AUM in his quarter of graduation or in any other quarter when clearing an "complete" grade, working on a graduate thesis, or engaged in any other endeavor relating to his normal progress as a student, he makes use of the instructional staff and the facilities of the University. Registration in a correspondence course through Auburn University satisfies this requirement.

**LATE ENROLLMENT** — After the date specified in the AUM Calendar as the last day for final registration, no student may register except by permission of the Dean. The load of a student who registers late shall be reduced at the discretion of his Dean and an extra service charge will be made. No student will be registered after one week of classes.

**BACK WORK** — In arranging a student's work for each year the Dean will require him to schedule first his back work of the lower class or classes, but where this would work a serious hardship on the student the Dean may make such exceptions as he deems necessary.

**PREREQUISITES** — Prerequisites or corequisite requirements of courses are listed with the course descriptions in this bulletin. It is the responsibility of the student to know these requirements and to comply with them when registering. Any waiver of these requirements must be approved by the instructor concerned or his Dean. In addition the waiver of the junior standing prerequisite established for courses that may be taken for graduate credit must have the approval of the Assistant Dean of the Graduate School.

**STUDENT LOAD** — A normal quarterly load is 15 hours. Upon approval of his Dean a student may schedule less than a normal load. The normal load may be exceeded only under the following circumstances:

- A. Upon approval of his Dean a student may schedule more than 15 quarter hours, if during his last residence quarter at AUM in which he carried 15 or more hours, he passed all work attempted and earned a grade point quotient of 1.5 or higher. A student who has scheduled fewer than 15 hours during an intervening quarter (or quarters) will retain the overload privilege if he has passed all work carried with a minimum grade point average of 1.5 in each intervening quarter. In special cases the Dean may make exceptions to the 1.5 requirement by written notice to the Registrar.
- B. Upon approval of his Dean, a graduating senior may schedule an overload if the overload will allow him to graduate in that particular quarter. A student who registers for work in excess of his approved load may be required by his Dean to drop the overload during the Schedule Adjustment Period.



**CHANGE IN PROGRAM** — A student is required to have approval of his Dean before changing his program of studies. A fee will be charged for each change in schedule and for change in curriculum after the Schedule Adjustment Period ends when such changes are not required or advised by the University.

A grade of "Withdrawn" (W) will be assigned when the student drops a course within the first two weeks of a quarter.

A grade of "Withdrawn Failing" (WF) or "Withdrawn Passing" (WP) will be recorded in the Registrar's Office for a subject dropped on request of the student after the second week of the quarter and one week before the last class period. The grade of WP or WF will be determined by the instructor in the course and recorded by the registrar.

A student's Dean may make such substitutions as he deems necessary in the student's course of study. The student's load may also be reduced by the Dean when circumstances seem to make it advisable.

**CLASSIFICATION** — Each undergraduate student will be classified according to the number of quarter credit hours he has earned at Auburn University at Montgomery and other institutions as follows: Freshman, 45 or fewer; Sophomore, 46 to 95; Junior, 96 to 145; Senior, 146 or over.

Any student who has been awarded one baccalaureate degree and pursues another course for a second baccalaureate degree will be classified as an undergraduate student.

Students who for reasons acceptable to the Dean do not wish to pursue regular courses either as to load or curriculum will be admitted as unclassified students.

**AUDITING PRIVILEGE** — The privilege of auditing courses is restricted. Auditing of a lecture course or the lecture part of a combined lecture and laboratory course may be granted with the approval of the student's Dean and the head of the department in which the course is offered. The auditing privilege is rarely permitted in laboratory or combined lecture and laboratory courses.

Auditors must complete the regular registration process and are listed on class rolls, but are not required to participate in classroom discussions, take tests or final examinations, or make reports; no grades or credits may be received. Auditors who have not been admitted to the University must make application to, and secure a registration permit from the Admissions Office. Former students secure a registration permit from the Registrar's Office. Auditors who are not regularly enrolled students will register on the last day of the final registration period. A fee will be charged for auditing a lecture course. Regularly enrolled students carrying 10 hours or more and members of the faculty may audit lecture courses, without payment of the auditing fee with approval of the head of the department in which the course is offered and the individual Dean; however, the regular registration process must be completed.

**CURRICULUM TRANSFER** — If a student transfers from one cur-

riculum to another requiring more hours, the graduation requirements of the new curriculum must be met as far as hours and subject matter are concerned.

For students transferring from other institutions, credit will be allowed for ROTC and Physical Education satisfactorily completed.

A student who is excused for any reason from any subject will be required to substitute other approved work.

**RESIGNATION** — After the date carried in the University Calendar for mid-quarter, no student may resign from school to escape the penalty of failure. After this date, the Dean shall contact the student's instructors to determine his scholastic standing at the time of resignation and report such standing to the Registrar. If the student is failing in over half his work, the number of hours reported as failing will be counted as credit hours attempted and included in academic eligibility calculations. Furthermore, when a student's total hours attempted exceed grade points earned by more than 21 at the end of his last quarter in residence prior to his resignation, the student's grades will be reviewed by his Dean to determine if he has a "C" average for the quarter in which he is resigning. If the student does not have a "C" average, he will be placed on academic suspension.

A student is not considered officially resigned until he has filled out a resignation form at the Auburn University at Montgomery Registrar's office. The date of the resignation form will determine the percent of fees owed as shown in the schedule above.

When a student through illness or physical disability is forced to resign after mid-quarter, and when this condition has been the main factor in causing scholastic deficiencies, discretionary power in determining whether a scholastic penalty is to be assigned shall rest with the student's Dean.

**ENGLISH REQUIREMENT** — All students are expected to maintain a reasonable standard of good English usage, oral and written. Instructors in all curricula are directed to insist on clear, effective, and accurate speaking and writing in all class work. No substitution for the freshman English requirement is permitted.

1. If the transfer student has fewer than three quarter hours of credit in freshman English composition, no credit is allowed. If he has three, four or five quarter hours credit in the first course of an English composition sequence, he must complete EH 102.
2. If the transfer student has three semester hours of credit in the first course of a two-course sequence, he must complete EH 102.
3. If the transfer student has earned eight or more quarter hours and has met the first year English composition requirement of the other institution, credit may be allowed for EH 101-102, provided the minimum of eight hours involves no duplication. A total of 12 hours may be accepted toward the graduation requirement when the 12 hours of work represent a continuous course sequence at one school. Students entering an undergraduate school at AUM after receiving a bachelor's degree from another accredited college or university are excused from meeting these regulations.



4. No student failing a freshman English composition course at AUM will be permitted to transfer credit from another school to offset that "F," but must repeat the course in residence at AUM.

All transfer students are directed to clear their freshman English composition credits with the Registrar as soon as possible after enrolling at Auburn University at Montgomery.

### MILITARY SERVICE CREDITS

**CREDIT FOR MILITARY SCHOOLS:** It is the policy of Auburn University at Montgomery to follow the recommendations of the American Council on Education on credit given for the successful completion of service schools including AWC and ACSC.

**CREDIT FOR COMPLETION OF G.E.D.T. OR C.L.E.P.:** When approved, up to 40 hours of credit may be allowed for completion of the G.E.D. test at or above the standards recommended by the American Council on Education at the college sophomore level. Up to 90 hours of credit may be allowed for completion of the C.L.E.P. at the standards set by AUM.

**CREDIT FOR USAFI LEVEL TESTS AND SUBJECT STANDARDIZED TESTS:** Undergraduate credit may be allowed for college level courses completed by correspondence or for subject examinations administered by the Armed Forces Institute or Institution approved by the Armed Forces Institute and other accredited institutions as approved by the Dean concerned.

**CREDIT RECOMMENDED BY THE AMERICAN COUNCIL ON EDUCATION:** The ACE presently evaluates both military schools and civilian training programs for academic credit. Since this evaluation is handled by faculty members of accelerated institutions of higher learning, Auburn University at Montgomery will accept the ACE recommendations for credit earned in non-academic programs. The applicability of such credit to a specific program will be determined by the Dean of the school concerned.

### EXAMINATIONS AND GRADES

**GRADING SYSTEM** — Final grades are assigned as follows: A, Superior; B, Good; C, Acceptable; D, Passing; S, Satisfactory; U, Unsatisfactory; F, Failure. Grade points are assigned as follows: A — 3; B — 2; C — 1; D — 0; F — 0. For graduate students see Graduate School.

A grade of "Incomplete" (IN) is assigned when the quality of work has been of passing grade, but the student has been prevented by illness or other justifiable cause from completing the work required prior to the final examination. Grades of "Incomplete" in required subjects not cleared within one resident quarter shall be repeated. Graduating seniors must clear all incompletes (IN) within the first two (2) weeks of their graduating quarter. Graduate students shall remove incomplete grades within a reasonable time,



and will not be allowed to graduate with grades of "Incomplete" on their records. A student absent from a final examination for any reason other than personal illness must obtain an excuse from the respective Dean in order to take the examination.

A grade of "Withdrawn" (W) will be assigned when the student drops a course within the first two weeks or a quarter. A grade of "Withdrawn Failing" (WF) or "Withdrawn Passing" (WP) will be assigned for a course dropped after this period.

If a student is dropped for excessive absences, a grade of "FA" is assigned.

### EXAMINATIONS AND REPORTS

Examinations are classified as (1) final examinations at the end of each quarter and (2) special examinations. Grades in all subjects are reported to the student at the end of each quarter. A student absent from an examination for any reason other than personal illness must obtain an excuse from the respective Dean in order to take the examination.

**ANNOUNCED QUIZZES:** At least two announced one-hour quizzes shall be held in each subject during the quarter, one in the first half of the quarter and the other by the last half. Other quizzes may be given as deemed necessary by the instructor and the Dean.

### DEAN'S LIST

A full-time student (minimum of 15 quarter hours) passing all credit work carried during a quarter and attaining a scholastic record of 2.5 for the quarter may be designated an honor student for that quarter. The honor attained will be recorded on the Dean's List and on the student's permanent record.

### ACADEMIC ELIGIBILITY

**CONTINUED RESIDENCE:** AUM may place a student on probation or suspend him at any time if he flagrantly neglects his academic work or makes unsatisfactory progress toward graduation.

**ACADEMIC PROBATION:** Any student enrolled at AUM will be placed on academic probation whenever the total number of hours he has attempted at Auburn University at Montgomery exceeds total grade points earned by more than 12, except that no entering freshman will be placed on academic probation on the basis of his first quarter's work at AUM.

**CLEARING PROBATION:** A student may clear a probation by reducing his grade point deficiency to 12 or fewer grade points.

**ACADEMIC SUSPENSION:** A student on probation will be placed on academic suspension for two quarters whenever the number of hours he has attempted at AUM exceeds grade points earned by more than 21. However, if re-admitted such a student will not be placed on academic suspension as long as a 1.0 (C) average is maintained, but he will be continued on academic probation.

A student's first academic suspension will be for a period of two quarters, summer quarter being counted as any other quarter. A student will be re-admitted on academic probation following the expiration of his first suspension. A student who incurs a second academic suspension is placed on indefinite suspension and can be re-admitted only on special approval by the Admissions Committee on the basis of adequate evidence of ability, maturity and motivation. Generally, a student must be on indefinite suspension at least four quarters before his application for re-admission will be considered.

A student whose eligibility to register cannot be determined because of deferred grades may be permitted to register conditionally until his status is determined. Conditional grades must be cleared within two weeks of the beginning of the quarter.

No credit earned at another institution by a student on academic suspension from AUM will be used in clearing a suspension or in meeting requirements for an AUM degree.

Suspensions incurred prior to implementation of the above regulations shall not be counted when determining a student's academic status.

## DEGREE REQUIREMENTS

To qualify for graduation, a student must complete the courses and hours specifically required and accepted for his curriculum with a grade point average of 1.0 (C). A student who transfers from another institution must earn grade points equal in number to the additional hours required at AUM for completion of the curriculum. If courses by correspondence and extension are accepted, the number of grade points allowed will not exceed the number of credit hours so completed.

Not more than 10 quarter hours of the final year's work may be obtained through extension or correspondence courses, or both, unless the student has completed a full load in residence previously for one full session of 36 weeks, in which case credit will be allowed for a total of 18 quarter hours in either extension or correspondence, or a combination of the two. All credit hours earned by correspondence or extension will be counted as any other credit hours earned toward meeting graduation requirements but will not be in the calculation for continuation in residence.

No student will be issued a diploma or statement of credits if he is in default on any payment due the University or any school or division thereof.



### **RESIDENCE REQUIREMENT**

To obtain a bachelor's degree a student must earn at Auburn University at Montgomery a minimum of forty-five hours in residence in the school or curriculum of graduation. These must be taken in the student's final year unless his Dean approves credits (up to a maximum of twenty hours) earned elsewhere during the final year. In any case the student must complete a total of forty-five hours in residence at Auburn University at Montgomery. The student's Dean may waive the final year's residence in a specific school or curriculum.

### **APPLYING FOR GRADUATION**

Auburn University at Montgomery graduating seniors should apply for graduation and pay the graduation fee of \$10 two quarters before graduation. This allows the Dean and Registrar to make a final credit check and notify the student of his remaining requirement before his final registration.

### **AWARDING OF DEGREES BY AUM**

1. Certification for graduation will be done by the appropriate Dean. A student must be enrolled in the specified curriculum of graduation for three quarters and must complete the hours required for the last year of work at AUM or in combination at AUM and the Auburn campus.
2. Courses successfully completed at AUM and at the Auburn campus will be resident credit at either location in determining eligibility for graduation and for scholastic graduation honors.
3. AUM students who are pursuing specialized curricula not available at Montgomery must transfer to the Auburn campus prior to their senior year.

**SECOND DEGREE:** A minimum of 45 quarter hours and 45 grade points and 36 weeks of residence is required for a second baccalaureate degree by a graduate of AUM. The minimum requirements for a second baccalaureate degree for a graduate of another institution are completion of the hours required in the final year of the curriculum with an equal number of grade points and 36 weeks of residence at this institution. A minimum of 45 quarter hours and 36 weeks of residence is required for a master's degree.

### **TRANSFERRING WITHIN THE UNIVERSITY SYSTEM**

Auburn University is composed of two campuses — Auburn and Montgomery. A student enrolled in an undergraduate division at either campus who wishes to transfer to the undergraduate division at the other will be considered for admission as a transfer student from another accredited institution. Due to the small differences in some curricula and courses, the



amount of transfer credit and advanced standing will be determined by the appropriate academic unit and the Registrar at the campus to which he transfers.

### OFF-CAMPUS CREDIT

**EXTENSION AND CORRESPONDENCE COURSES:** The following regulations govern extension and correspondence courses: (1) Credit for undergraduate courses in extension and/or correspondence in the major subject or for requirements for the baccalaureate degree shall not exceed, including transfer credit so earned, 10 percent of the total credit required. (2) Credit hours earned by correspondence or extension will be counted as any other credit hours earned toward meeting the requirements for graduation, but it will not be included in the calculation for continuation-in-residence. Grade points will be assigned to such work toward meeting the requirements for graduation, but in no case will the number of grade points exceed the number of credit hours so earned (4) Credit for extension and correspondence courses to be taken at Auburn or elsewhere must be approved in advance by the student's Dean, (4) No student in residence may enroll for a correspondence course if he can schedule the course or a suitable substitute. (5) No student shall receive credit for correspondence work which, with courses taken in residence, makes a total load exceeding the maximum allowed under college regulations.

In addition to the above, students taking work under the Auburn University Correspondence Study Program are subject also to its regulations. For further information, course listing, and application form request a Correspondence Study Bulletin from the Director, Correspondence Study Program, School of Education, Auburn University.

**OFF-CAMPUS CENTER CREDIT:** Permission to take work at a university off-campus center is at the discretion of the Dean and within the established relationships between the center and the comparable school or college in the parent university of the center. It shall be the responsibility of the student to secure and file with his Dean a statement from the center that he may use credit in the desired course toward meeting requirements for the appropriate degree assuming his enrollment at the parent university is under comparable classification and circumstances.

**GRADUATION HONORS:** Students clearing graduation requirements with exceptionally high scholastic records who have completed in residence at AUM not less than six quarters of the work required in their curricula are graduated with distinction. The distinction attained will be recorded on the student's diploma and placed on his permanent record.

A transfer student who has completed at least six quarters of work in residence at AUM is eligible for graduation honors if he meets both of the following requirements: (1) his grade point quotient on all work taken in residence at AUM meets the minimum requirements for the honor and (2) his over-all grade point quotient on all work taken in residence at AUM and elsewhere meets the minimum requirements for the honor.

A transfer student may not be graduated with a degree of distinction higher than that for which he would be eligible on the basis of his AUM record, and where his over-all average is lower than his AUM record, the degree of distinction earned will be determined by his over-all grade point quotient.

A student whose record at AUM fails to meet the requirements established for one of the degrees of distinction may not be graduated with honors regardless of his record elsewhere.

In determining graduation honors, all work attempted in residence except remedial subjects and subjects cleared with the "S" (satisfactory) grade, will be used in the calculations. Where transfer credits are considered, calculations will be based on the grade point values in use at AUM.

The grades of distinction and requirements are: With Honor, a grade point quotient of at least 2.4; With High Honor, a grade point quotient of at least 2.6; and With Highest Honor, a grade point quotient of at least 2.8.

### DISCIPLINE

1. Each student, by act of registration, obligates himself to conform to all rules and regulations of the University.
2. Students are expected to conduct themselves along the lines of good citizenship by obeying the laws of the United States, the State of Alabama, the City of Montgomery, and the University. Enrollment as a student in no way exempts any person from penalty in case of violation of local, state or national laws.



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# OPERATIONAL GUIDELINES FOR HEALTH, PHYSICAL EDUCATION, RECREATION AND ATHLETIC PROGRAMS AT AUBURN UNIVERSITY AT MONTGOMERY

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## I. Philosophy of Programs at AUM

The health, physical education, recreation, and athletic programs at Auburn University at Montgomery are committed to aiding in the improvement of the quality of human life. This attempt is continuing to be made through the utilization of movement, games, sports, and recreational pursuits as tools to foster optimum development and to enhance proper attitudes, appreciations, and aesthetic values, with special emphasis being placed on programs in which one can participate throughout life.

In today's technological and complex world, these aforementioned objectives are becoming more and more difficult to achieve. As a result of both the processes and products of modern science, man finds himself in a deluge of problems. We have been challenged by an ecological dilemma, we find ourselves in a transient society that is proving to be psychologically damaging, social unrest is overwhelming, and cardiovascular problems are at an all time high. No one needs to be reminded that there is a need for total commitment toward the improvement of the quality of human life.

It becomes apparent that colleges and universities must accept some of the responsibility of providing programs and facilities to enhance participation in meaningful health, physical education, recreation, and athletic experiences. These opportunities are provided for men and women of all colors and creeds.

## II. Operational Guidelines for Programs at AUM

The following guidelines will be followed in the development of health, physical education, recreation, and athletic programs at Auburn University at Montgomery:

1. The overall aim of program offerings at AUM will be to provide adequate instructional staff and coaches, adequate facilities and equipment, and supportive funds to meet the needs and interests of men and women in a wide variety of physical education, intramural, and athletic endeavors.
2. Indoor and outdoor facilities are currently being planned and developed for multi-purpose use. All facilities are being planned and developed on a non-discriminatory basis.
3. Co-ed courses are and will continue to be offered in all phases of the physical education professional and service programs. Any student, regardless of sex, may register for any course offered in the AUM catalog.
4. Equal opportunities are and will continue to be provided both sexes in intramural activities.
5. Equal opportunities are and will continue to be provided both sexes in athletics.



6. Periodic surveys are and will continue to be administered in all areas (physical education, intramurals, athletics) to determine student interests for participation.

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## SERVICEMEN'S OPPORTUNITY COLLEGE (SOC)

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The Servicemen's Opportunity College is a network of colleges and universities providing educational opportunities to the serviceman or civilian whose course work is interrupted by military or civilian obligations which has necessitated his relocation.

The SOC program is planned that when a student has met residence requirements (45 quarter hours at AUM), he may, through direction and prior approval of his advisor, take the remaining courses of his degree program at an accredited college or university in the proximity of his relocation. These approved courses may then be transferred to AUM and when all requirements have been met, the student may receive his degree from AUM.

The initiation and continuation in the SOC program is the responsibility of the individual student. The student's prior approval of courses to be taken and close communication with his advisor are essential.

For further information about SOC the student should contact his Division Chairman or the SOC counselor. Correspondence to the SOC counselor should be addressed as follows:

SOC Counselor  
Office of Admissions  
Auburn University at Montgomery  
Montgomery, Alabama 36109



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## SCHOOL OF BUSINESS

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### STATEMENT OF OBJECTIVES

In furtherance of the objectives of Auburn University at Montgomery, the School of Business conducts various distinct but interrelated programs of instruction; service to industry, community, government; and research. Specifically stated, the purpose of the School of Business is:

1. To provide, through a comprehensive academic program, broad educational experience sufficient to prepare the student for imaginative and responsive leadership roles in business and society.
2. To conduct programs of service and assistance to industry and governmental agencies through consultative services, short courses, seminars, and similar non-credit activities.
3. Insofar as possible, to engage in research by encouraging and supporting faculty research and supervising contract research programs.

### Undergraduate Programs

The School of Business curricula are designed to provide the student with a broad liberal education foundation before beginning a more intensive study of a specific area of business. The student may elect to pursue a program of general business or one that specializes in the areas of: accounting, banking & finance, economics, general business, management, marketing, information systems or transportation. The respective programs are composed of the following:

1. A broad core of lower division courses which comply with the University Liberal Education Program stated in the AUM Bulletin.

Business courses required in addition to this core are as follows:

- ACF 201. Introductory Accounting I
- ACF 202. Introductory Accounting II
- \*EC 200. Economic Development of US
- EC 201. Economics I
- EC 202. Economics II
- CS 207. Principles of Data Processing

\*School of Business students who have completed either EC 201 or EC 202 or equivalent may not receive credit for EC 200

2. A business core curriculum consisting of the following upper division courses:

- ACF 361. Principles of Business Finance
- QM 374. Business and Econ. Statistics
- MN 310. Principles of Management
- MN 341. Business Law I
- MN 346. Human Relations
- MN 480. Business Policy
- MT 331. Principles of Marketing



3. Academic courses, in areas of specialization, providing depth of understanding in a specific field of business.

**All curricula within the School of Business requires a total of 200 hours for graduation.**

### FRESHMAN AND SOPHOMORE CURRICULUM

Each student will follow the same curriculum during the Freshman and Sophomore years. This group of courses is designed to provide the student with a broad liberal education before beginning a more intensive study of the functional areas of business.

#### Freshman Year

First Quarter	Second Quarter
EH 101 English Composition . . . . 5	EH 102 English Composition . . . . 5
MH 150 College Algebra . . . . . 5	HY 101 World History . . . . . 5
EC 200 Econ. Devl. of U.S. . . . . 5	MH 151 Survey of Calculus & Linear Algebra . . . 5
	Science Elective . . . . . 5
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15	20

#### Third Quarter

HY 102 World History . . . . . 5
Science Elective . . . . . 5
Econ./Arts/Science Elective . . . . 5
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#### Sophomore Year

First Quarter	Second Quarter
ACF 201 Intro. Acct. I . . . . . 5	ACF 202 Intro. Acct. II . . . . . 5
CS 207 EDP Prin. . . . . 5	EC 202 Economics II. . . . . 5
EC 201 Economics I . . . . . 5	SP 202 Applied Oral Comm. . . . 5
	*Econ./Arts/Science Elective . . . . 5
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15	20

#### Third Quarter

MH 267 Elem. Statistics or QM 274 Comp. Aug. Stat. . . . . 5
PG 211 Psychology I. . . . . 5
Econ./Arts/Science Elective . . . . 5
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\*Marketing, Economics and Accounting majors must take Introduction to Sociology (SY 201).

**DEPARTMENT OF ACCOUNTING AND FINANCE****Accounting Curriculum (AC)**

The program in accounting provides the student with broad training in the field of business and financial management. It requires a minimum of seven accounting courses beyond Principles of Accounting. Students preparing themselves for a specific career in accounting, such as CPA, will need to take additional courses beyond those prescribed.

Students in this curriculum should follow the common curriculum for freshmen and sophomores in the School of Business.

**Junior Year****First Quarter**

ACF 301 Intermediate Acct. I. . . . . 5  
 ACF 361 Prin. of Bus. Finance. . . . . 5  
 EH 306 Bus. & Prof. Writ . . . . . 5

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**Second Quarter**

ACF 302 Intermediate Acct. II. . . . . 5  
 MN 341 Business Law I. . . . . 5  
 MN 310 Prin. of Management . . . . . 5  
 MT 331 Prin. of Marketing. . . . . 5

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**Third Quarter**

ACF 304 Income Tax . . . . . 5  
 MN 346 Human Relations . . . . . 5  
 QM 374 Business and Econ.  
 Statistics. . . . . 5

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**Senior Year****First Quarter**

ACF 401 Cost Accounting. . . . . 5  
 ACF 407 Advanced Accounting . . . . . 5  
 EC 360 Money and Banking. . . . . 5

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**Second Quarter**

ACF 402 Advanced Cost & Mgt.  
 Accounting . . . . . 5  
 QM 475 Quant. Methods of Mgt. . . . . 5  
 Business Elective . . . . . 5  
 Business Elective . . . . . 5

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**Third Quarter**

ACF 406 Auditing. . . . . 5  
 MN 480 Business Policy. . . . . 5  
 Business Elective. . . . . 5

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### Banking and Finance Curriculum (BF)

This program provides the student with the background required for entry into the area of business finance with banks, investment and advisory services, savings and loan associations and others.

Students in this curriculum should follow the common curriculum for freshmen and sophomores in the School of Business.

#### Junior Year

First Quarter	Second Quarter
ACF 300 Fin. Acct. & Cont. .... 5	MN 310 Prin. of Management .... 5
EH 306 Bus. & Prof. Writing. .... 5	MN 341 Business Law I. .... 5
MT 331 Prin. of Marketing. .... 5	ACF 361 Prin. of Business
—	Finance ..... 5
15	EC 360 Money and Banking. .... 5
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#### Third Quarter

ACF 323 Prin. of Real Estate .... 5
QM 374 Business and Econ.
Statistics. .... 5
MN 346 Human Relations. .... 5
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#### Senior Year

First Quarter	Second Quarter
ACF 456 National Income	ACF 562 Monetary Theory
Analysis. .... 5	& Pol. .... 5
ACF 460 Commercial Banking ... 5	Business Elective ..... 5
ACF 565 Public Finance. .... 5	Business Elective ..... 5
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15	15

#### Third Quarter

ACF 427 Real Estate Fin. .... 5
MN 480 Business Policy. .... 5
Business Elective. .... 5
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**DEPARTMENT OF ECONOMICS, MANAGEMENT & MARKETING****ECONOMICS AREA****Economics Curriculum (EC)**

Economics majors in the School of Business are offered a curriculum that includes courses in the social and natural sciences as well as mathematics. Also included are courses that introduce them to the use of the computer and a wide range of business courses.

Economics majors follow the common curriculum for freshmen and sophomores in the School of Business.

**Junior Year****First Quarter**

GV 209 Intro. Amer. Gov't. . . . . 5  
ACF 300 Fin. Acct. & Control . . . . 5  
EC 350 Labor Economics. . . . . 5

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**Second Quarter**

EC 360 Money and Banking. . . . . 5  
MN 341 Business Law I. . . . . 5  
EH 306 Bus. & Prof. Writing. . . . . 5  
Business Elective . . . . . 5

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**Third Quarter**

ACF 361 Prin. of Bus. Finance. . . . 5  
MT 331 Prin. of Marketing. . . . . 5  
MN 310 Prin. of Management. . . . 5

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**Senior Year****First Quarter**

MN 346 Human Relations . . . . . 5  
EC 451 Inter. Micro Econ . . . . . 5  
QM 374 Bus. & Ec. Statistics. . . . 5

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**Second Quarter**

EC 456 Nat'l Income Anal. . . . . 5  
EC 554 History of Econ.  
Thought . . . . . 5  
EC 565 Public Finance. . . . . 5  
Business Elective . . . . . 5

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**Third Quarter**

MN 480 Business Policy. . . . . 5  
EC 552 Comp. Econ. Sys. . . . . 5  
Business Elective. . . . . 5

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**General Business Curriculum (GB)**

The General Business option is designed for those students who do not wish to specialize in a specific area. It requires a minimum of courses in the School of Business and leaves the student free to select a large number of courses through electives from other divisions in the University. A student completing this option should have a broad general education in business.

**Junior Year****First Quarter**

MT 331 Prin. of Marketing..... 5  
 ACF 300 Fin. Acct. & Control .... 5  
 EH 306 Bus. & Prof. Writing..... 5

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**Second Quarter**

MN 341 Business Law I..... 5  
 Business Elective ..... 5  
 Business Elective ..... 5  
 \*Free Elective ..... 5

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**Third Quarter**

QM 374 Business Statistics..... 5  
 ACF 361 Prin. of Bus.  
     Finance ..... 5  
 \*Business Elective ..... 5

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**Senior Year****First Quarter**

MN 346 Human Relations ..... 5  
 \*Free Elective ..... 5  
 \*Business Elective..... 5

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**Second Quarter**

MN 310 Prin. of Management .... 5  
 \*Business Elective..... 5  
 \*Free Elective ..... 5  
 \*Free Elective ..... 5

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**Third Quarter**

MN 480 Business Policy..... 5  
 \*Business Elective ..... 5  
 \*Free Elective..... 5

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\*Must be 300-400 level course.

**MANAGEMENT AREA****General Management Curriculum (MN)**

The program of study in management is designed to provide professional training for careers in the management and administration of business and economic affairs. The curriculum is concerned with providing the student with (1) a broad perspective of the organization and operation of the modern business enterprise, and (2) with developing the student's ability to make prudent decisions.

Students in this curriculum should follow the common curriculum for freshmen and sophomores in the School of Business.

**Junior Year****First Quarter**

ACF 300 Fin. Acct. & Control . . . 5  
 MN 310 Prin. of Management . . . 5  
 EH 306 Bus. & Prof. Writing. . . . 5

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**Second Quarter**

ACF 361 Prin. of Bus. Finance. . . 5  
 MT 331 Prin. of Marketing. . . . . 5  
 MN 346 Human Relations . . . . . 5  
 QM 374 Business and Econ.  
 Statistics. . . . . 5

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**Third Quarter**

MN 341 Business Law I. . . . . 5  
 MN 380 Indus. Management . . . 5  
 EC 350 Labor Economics. . . . . 5

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**Senior Year****First Quarter**

MN 440 Organization Theory . . . 5  
 MN 542 Personnel Management. . 5  
 MN 475 Quan. Methods of Mgt. . . 5

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**Second Quarter**

MN 443 Labor Management  
 Relations . . . . . 5  
 MN 534 Purchasing . . . . . 5  
 MN 573 Logistics Management . . 5  
 Business Elective . . . . . 5

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**Third Quarter**

MN 480 Business Policy. . . . . 5  
 Business Elective . . . . . 5  
 Business Elective. . . . . 5

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### Information Systems Curriculum (CS)

The program of study in Information Systems is designed to provide the student with the background to perform the functions necessary in an EDP operation. In addition, the student can acquire sufficient managerial knowledge so that he will be able to assume supervisory responsibilities in a short time.

Students in this curriculum should follow the common curriculum for freshmen and sophomores in the School of Business.

#### Junior Year

First Quarter	Second Quarter
ACF 300 or 401 Fin. Acct. & Cont. or Cost Acct. .... 5	CS 331 COBOL Programming ..... 5
CS 330 FORTRAN IV Programming ..... 5	MN 310 Prin. of Management .... 5
MN 341 Business Law I. .... 5	QM 374 Business & Econ. Statistics ..... 5
15	15

#### Third Quarter

EH 306 Bus. & Prof. Writing .... 5
MN 346 Human Relations ..... 5
MT 331 Prin. of Marketing ..... 5
ACF 361 Prin. of Business Finance ..... 5
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#### Senior Year

First Quarter	Second Quarter
QM 475 Quant. Meth. Mgmt ..... 5	CS 556 Mgmt. Info. Systems ..... 5
CS 360 ASSEMBLER Programming ..... 5	CS 361 RPG Programming ..... 5
CS 555 ADP Systems ..... 5	Business Elective ..... 5
15	15

#### Third Quarter

CS 565 Computer Simulation .... 5
MN 480 Business Policy ..... 5
Business Electives ..... 10
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**MARKETING AREA****General Marketing Curriculum (MT)**

The curriculum in marketing is designed to prepare the student for jobs in two important ways: (1) to give the student a general understanding of basic business subjects, and (2) to provide specialized training in the marketing field. It furnishes the training required by business firms which employ college graduates for executive training programs in sales, merchandising, and marketing administration.

Students in this curriculum should follow the common curriculum for freshmen and sophomores in the School of Business.

**Junior Year**

First Quarter	Second Quarter
SY 201 Intro. to Sociology..... 5	ACF 361 Prin. of Bus. Finance... 5
QM 374 Business & Econ. .... 5	ACF 300 Fin. Acct. & Cont ..... 5
Statistics..... 5	MN 346 Human Relations ..... 5
MT 331 Prin. of Marketing..... 5	EH 306 Bus. & Prof. Writing..... 5
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**Third Quarter**

MN 341 Business Law I..... 5
MN 310 Prin. of Management... 5
Business Elective..... 5
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**Senior Year**

First Quarter	Second Quarter
MT 541 Consumer & Market Beh . 5	MT 537 Sales Management..... 5
MT 436 Mkt. Research Methods . . 5	MT 534 Purchasing..... 5
MT 432 Promotional Strategy .... 5	Business Elective ..... 5
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**Third Quarter**

MT 578 Marketing Problems .... 5
MT 573 Logistics Management... 5
MN 480 Business Policy..... 5
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### Transportation Curriculum (TR)

This curriculum is designed to prepare the student for managerial positions with common carriers of freight or passengers, as well as with public mass transportation systems.

Students in this curriculum should follow the common curriculum for freshmen and sophomores in the School of Business.

#### Junior Year

First Quarter	Second Quarter
MT 331 Prin. of Marketing. . . . . 5	MN 341 Business Law I. . . . . 5
MN 310 Prin. of Management . . . 5	ACF 300 Fin. Acct. & Cont . . . . . 5
Business Elective . . . . . 5	MN 346 Human Relations . . . . 5
	Business Elective . . . . . 5
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15	20

#### Third Quarter

QM 374 Business and Econ. Statistics. . . . . 5
ACF 361 Prin. of Bus. Finance. . . 5
EH 306 Bus. & Prof. Writing. . . 5
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#### Senior Year

First Quarter	Second Quarter
MT 436 Mkt. Research Methods . . 5	MN 443 Labor Mgt. Relations . . . 5
MT 572 Econ. of Trans. . . . . 5	MT 573 Logistics Management . . . 5
MT 534 Purchasing. . . . . 5	MT 476 Motor Transport . . . . . 5
	MT 578 Marketing Prob. . . . . 5
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15	20

#### Third Quarter

MN 480 Business Policy. . . . . 5
MT 537 Sales Management . . . . 5
Business Elective. . . . . 5
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## DESCRIPTION OF COURSES

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### ACCOUNTING AND FINANCE (ACF)

#### ACCOUNTING

- 201. **Introductory Accounting, Part I (5). Pr., None.**  
Structure of accounting, elementary accounting principles, accounting methods for service and trading enterprises.
- 202. **Introductory Accounting, Part II (5). Pr., ACF 201.**  
Continuation of ACF 201, with survey of methods of cost accounting, budgeting, and branch and departmental accounting, and preparation and use of special analyses of financial data.
- 300. **Financial Accounting and Control (5). Pr., ACF 202.**  
A terminal course for non-accounting majors. Introductory cost accounting and budgeting with some emphasis on distribution costs and managerial accounting problems.
- 301. **Intermediate Accounting, Part I (5). Pr., ACF 202.**  
The advanced principles of accounting, accounting systems, and financial reports.
- 302. **Intermediate Accounting, Part II (5). Pr., ACF 301.**  
Continuation of ACF 301.
- 304. **Income Tax Accounting (5). Pr., ACF 202.**  
Preparation of income tax returns; accounting records for income tax purposes.
- 401. **Cost Accounting (5). Pr., ACF 202, Junior Standing.**  
Accounting principles and methods of job-lot, process, and assembly manufacturing accounting including standard costs and budgetary systems; distribution cost accounting; use of cost data (historical and estimated) in making managerial decisions.
- 402. **Advanced Cost and Managerial Accounting (5). Pr., ACF 401.**  
Advanced study in cost and managerial accounting with emphasis on uses of financial and cost information in planning, control, and analytical processes.
- 404. **Advanced Income Tax Accounting (5). Pr., ACF 304, Junior Standing.**  
Specialized tax determination problems of individuals, corporations, estates, and trusts; information return.
- 406. **Auditing (5). Pr., ACF 302, Junior Standing.**  
Principles and procedures in auditing; audit report preparation.
- 407. **Advanced Accounting, Part I (5). Pr., ACF 302, Junior Standing.**  
Advanced accounting theories and methods; consolidation of financial statements and other special problems.
- 408. **Advanced Accounting, Part II (5). Pr., ACF 407, Junior Standing.**  
Continuation of ACF 407.

- 409. **Governmental Accounting (5). Pr., ACF 202, Junior Standing.**  
Principles of accounting for non-profit entities and governmental units financial reporting.
- 490. **Special Problems (1-5).**  
Variable content in the accounting and finance areas.
- 500. **Essentials of Accounting and Finance (5). Pr., Graduate Standing.**  
A survey of financial accounting and financial analysis designed to acquaint the student with current practices and problems.

#### Graduate Courses

- 610. **Managerial Accounting (5). Pr., ACF 202.**  
(For non-accounting major.) Survey of structure of accounting; use of accounting data in making decisions.
- 611. **Current Issues in Accounting (5). Pr., 15 hours in accounting.**  
A critical examination of the current issues in financial accounting and reporting and how the SEC, the AICPA, and AAA and other authoritative accounting groups view these issues.
- 650. **Accounting Seminar (1-5). Pr., Graduate Standing or Consent of Instructor.**  
A seminar for graduate students. Exact subject matter will be announced each time course is offered. May be repeated with a change in subject matter.
- 690. **Special Problems (1-5).**  
Variable content in the accounting and finance areas.

#### FINANCE

- 321. **Principles of Insurance (5). Pr., EC 202, ACF 202.**  
A study of the principle uses and types of insurance including life, fire, marine, automobile, and other casualty lines.
- 323. **Principles of Real Estate (5). Pr., EC 202, ACF 202.**  
A study of the fundamental principles and practices as applied to the purchase, sale, lease, mortgage, title and management of real estate.
- 325. **Real Estate Appraisal (5). Pr., None.**  
A study of the source of real estate value, the techniques for estimating property value, and the effective use of appraisal information.
- 361. **Principles of Business Finance (5). Pr., EC 202 and ACF 202.**  
The first course in Business Finance with emphasis on short-term, intermediate, and long-term financing of business firms.
- 427. **Real Estate Financing (5). Pr., ACF 323 or Consent of Instructor.**  
Mortgage lending in the U.S.—Sources of real estate funds in primary and secondary markets. Lending policies and operations of savings banks, mortgage banks, insurance companies, individuals, and governmental institutions in the real estate field.



- 456. National Income Analysis (5). Junior Standing.**  
The measurement of national output, and with income and employment theory, general equilibrium theory, and theories of interest, investment, and consumption. (Same as EC 456).
- 460. Commercial Banking (5). Pr., EC 360.**  
Study of banking theory, bank asset management, relationship to asset management to liquidity and the nation's credit structure.
- 562. Monetary Theory and Policy (5). Pr., EC 360, Junior Standing.**  
Advanced monetary and banking policy. Attention given to government fiscal policies and programs. (Same as EC 562).
- 564. Investments (5). Pr., ACF 361, Junior Standing.**  
Individual investment institutions and types of investments available.
- 565. Public Finance (5). Pr., Junior Standing.**  
A study of principles of taxation, government expenditures, fiscal policy in the American economy. (Same as EC 565).

#### Graduate Courses

- 663. Advanced Corporation Finance (5). Pr., ACF 361.**  
Intensive study of theory and problems of business finance from a decision-making, internal, problem-solving point of view.

#### ECONOMICS (EC)

##### ECONOMICS

- 200. Economic Development of U.S. (5). Pr., None.**  
Factors underlying the growth of U.S. economy - introduction of basic economic problem and methods of solution.
- 201. Economics I (5). Pr., EC 200 or Sophomore Standing.**  
Economic principles with emphasis upon the macro-economic aspects of the national economy. Introduction to the national income, price levels, employment and beginning demand and supply theory.
- 202. Economics II (5). Pr., EC 200 or Sophomore Standing.**  
A continuation of economic principles with emphasis upon micro-economic aspects of economy. Introduction to value theory, distribution of income, international economics, economic growths, and welfare economics.
- 350. Labor Economics (5). Pr., EC 202.**  
A theoretical and institutional examination of the labor market, including wage theories, unionism, the economics of collective bargaining, and problems of insecurity.
- 360. Money and Banking (5). Pr., EC 201 or concurrently with EC 201.**  
Money, credit and banking including consideration of monetary systems, foreign exchange and commercial banking with relation to the Federal Reserve System.



- 451. Intermediate Micro-Economics (5). Pr., EC 202, Junior Standing.**  
The theory of value and the theory of distribution under varying market conditions.
- 456. National Income Analysis (5). Pr., EC 202, Junior Standing.**  
The measurement of national output, and with income and employment theory, general equilibrium theory, and theories of interest, investment, and consumption. (Same as ACF 456).
- 490. Special Problems (1-5).**  
Variable content in the economics area.
- 505. Economic Analysis (5). Pr., Graduate Standing.**  
An overview of MACRO and MICRO economics and the relationship of economic concepts to business problems.
- 552. Comparative Economic Systems (5). Pr., EC 202, Junior Standing.**  
An analysis of the rival economic doctrines of Capitalism, Socialism, and Communism.
- 554. History of Economic Thought (5). Pr., EC 202, Junior Standing.**  
The development of economic ideas, principles, and systems of analysis from early times to the present.
- 562. Monetary Theory and Policy (5). Pr., EC 360, Junior Standing.**  
Advanced monetary and banking policy. Attention given to government fiscal policies and programs. (Same as ACF 562).
- 565. Public Finance (5). Pr., EC 202, Junior Standing.**  
A study of principles of taxation, government expenditures, fiscal policy in the American economy. (Same as ACF 565).
- 570. Economics of Welfare (5). Pr., EC 202, Junior Standing.**  
Analysis of theory and reality in income redistribution in American society. (Includes social impact of public education, housing, child care and medical care for the poor, the middle class, and the privileged citizenry.)
- 595. Urban Economics (5). Pr., EC 202 and MH 161.**  
Economic theories and techniques of analyses are applied to urban problems.

#### Graduate Courses

- 600. Macro Economic Analysis (3). Pr., EC 201, 202 and Graduate Standing or consent of instructor.**  
The presentation, analysis and application of theories of national income, wages, interest, investment and consumption. Includes fiscal and monetary policies of Federal government.
- 601. Micro Economic Analysis (3). Pr., EC 201, 202 and Graduate Standing or Consent of Instructor.**  
Theory of consumer and firm behavior as they affect supply and de-

mand in the market place. Includes product and factor pricing within specific market structures.

608. **Business Research (5). Pr., EC 474 and Graduate Standing or Consent of Instructor.**  
The theory and practice of research through the mail survey, the personal interview, study of documents and observation. The analysis and presentation of research findings will be stressed.
620. **The National Income and Capital Accumulation (5). Pr., EC 600, Graduate Standing or Consent of Instructor.**  
Computation of the national income, the uses of income data, interest rates, saving and investment, the monetary and credit system.
631. **Economics of International Trade (5). Pr., Graduate Standing.**  
The impact of the world's economy upon U.S. business firms in the United States and abroad. Factors affecting international flow of trade and balance of payments; trade controls and their influence on agricultural and domestic economy; significant current developments in world trade and finance.
650. **Economics Seminar (1-5). Pr., Graduate Standing and Consent of Instructor.**  
A seminar for graduate students. Exact subject matter will be announced each time course is offered. May be repeated with a change in subject matter.
690. **Special Problems (1-5).**  
Variable content in the economics area.

### Information Systems (CS)

#### INFORMATION SYSTEMS

207. **Electronic Data Processing Principles (5). Pr., MH 150.**  
Methods of Data Processing including functions and uses of computers and related equipment emphasizing business applications.
330. **FORTRAN IV Programming (5). Pr., MH 151 or Consent of Instructor.**  
An introduction to the FORMula TRANslation language (FORTRAN) with programming problems of increasing complexity in the areas of business and industry, pure and applied science, mathematics, and other fields depending on the students' interests. Includes basics of problem definition, algorithm construction, flow charts, and communication with card, disk, and tape operating systems.
331. **COBOL Programming (5). Pr., ACF 300 or ACF 401; MH 207 or Consent of Instructor.**  
An introduction to the Common Business Oriented Language (COBOL) with programming problems and systems of increasing complexity in the areas of business, industry, and government. Includes basics of COBOL program logic; arithmetic expressions; transfer statements; Input/Output verbs; magnetic disk files. Basics of commercial data pro-



cessing will also be reviewed including user communications, file design, report control, documentation, data bases, information collection, planning and control, and basic systems design concepts.

- 360. ASSEMBLER Programming (5). Pr., MN 207 or Consent of Instructor.**  
An introduction to machine and symbolic assembler languages for fixed word-length, large-scale computer systems. Includes techniques in addressing and machine control; data structures and data processing; use of subroutine linkages; co-routines; pushdown lists; list processing; loops, Input/Output routines; use of MACRO assembler language; sorting, merging; arrays; and data fields in data processing.
- 361. RPG Programming (5). Pr., ACF 300 or ACF 401; MN 207 or Consent of Instructor.**  
An introduction to the Report Program Generator (RPG) with programming problems of increasing complexity in the commercial and scientific fields. Includes intensive study of general program logic, control card and file description specifications, extension and line-counter specifications, subroutine usage, file management, and disk and tape storage concepts.
- 555. Automatic Data Processing Systems (5). Pr., MN 207 or Consent of Instructor.**  
Completes the student's introduction to electronic digital computer hardware and to computer-based data processing/information systems, with emphasis on quantitative computer systems analysis and information balance.
- 556. Management Information Systems (5). Pr., MN 207, ACF 400 or ACF 301.**  
Design and analysis of information flow systems for management control and decision making to include coordination of information flows from all functional areas of the business enterprise.
- 565. Computer Simulation for Business Decisions (5). Pr., MN 330 and MN 374.**  
Introduction to numerical techniques necessary for conducting experiments on a digital computer, which involves certain types of mathematical or logical models that describe the behavior of a business or economic system.
- 570. Data Communications Principles (5). Pr., CS 555.**  
Principles of data communications; common carrier usage; transmission coding; communications systems hardware; terminals, interfaces, modems; principles of distributed processing.
- 575. Data Base Systems (5). Pr., CS 555, 560.**  
Management of multiple record types containing the relationship between records, data aggregates and data items; includes the management of all data bases within a system.
- 580. Software Design Management (5). Pr., CS 555.**  
Systems/program documentation and standards; economics of make/buy/lease decisions; advanced programming techniques; the



programming group, team and project tasking, personality factors, motivation and training; standards of performance; software quality assurance; programming organizations; software cost targeting.

## MANAGEMENT (MN)

### MANAGEMENT

- 201. Beginning Typewriting (3). No prerequisite.**  
Introduction to typewriting techniques, business letter writing, tabulation problems, and manuscripts.
- 202. Beginning Shorthand (3). Pr., MN 201 or equivalent.**  
Principles of shorthand, rapid reading of shorthand. Introduction of dictation techniques. For students with no previous training in shorthand.
- 205. Business Typing (5). Pr., MN 201 or equivalent.**  
Emphasis is placed on techniques and development of speed and accuracy. Problem solving for office employment which includes arrangement of letters, abstracting of tables and lengthy reports, etc. is covered.
- 206. Business Shorthand (5). Pr., MN 202 or equivalent.**  
Principles and theory of shorthand with emphasis on development of skill in writing and reading shorthand notes. Typing and shorthand skills are integrated to develop proficiency in transcription.
- 310. Principles of Management (5). Pr., EC 202 and ACF 202.**  
Management functions and the application of management principles in organizations.
- 341. Business Law I (5). Pr., None.**  
Contracts, torts, courts, and partnerships from the standpoint of the average citizen.
- 342. Business Law II (5). Pr., None.**  
Legal principles covering sales, agency, insurance, personal property, real property, suretyship and bankruptcy presented from the standpoint of the layman.
- 346. Human Relations (5). Pr., MN 310.**  
An investigation of individual, group and intergroup relations, especially as these may apply to the business firm. Basic concepts in social psychology and other behavioral sciences are used to appraise organizational practices and to suggest general improvement of interpersonal relations.
- 380. Industrial Management (5). Pr., MN 310.**  
Principles and practices of modern scientific management as applied in the actual control and operations of industrial enterprises.
- 415. Office Practice and Procedure (5). Pr., MN 205 or equivalent, Junior Standing.**  
Theory and practices in operation of office machines, and records

management system. Also included is a study of duties of various offeworkers with emphasis on organizational structure.

- 440. Organization Theory (5). Pr., MN 310.**  
A conceptual analysis of formal organization structure with particular emphasis on management philosophy, managerial functions, business objectives and the social responsibility of management.
- 443. Labor Management Relations (5). Pr., MN 310.**  
Analysis of legislation, legal responsibilities of employers and workers. Collective bargaining procedures and union-management cooperation.
- 475. Quantitative Methods of Management (5). Pr., Junior Standing and MH 267.**  
Use of quantitative methods in managerial decision making. (Same as QM 475).
- 480. Business Policy (5). Pr., MN 310, and Junior Standing or Consent of Instructor.**  
The formulation and application of policies and programs pertaining to personnel, production, finance, procurement, and sales in the business enterprise. May be taken for graduate credit by students outside the Division of Business.
- 490. Special Problems (1-5).**  
Variable content in the management area.
- 520. Essentials of Management and Marketing (5). Pr., Graduate Standing.**  
A broad overview of management and marketing principles with emphasis on current research, practices and problems.
- 534. Purchasing (5). Pr., MT 331, Junior Standing.**  
Objectives, control and the direction of industrial purchasing. (Same as MT 534).
- 542. Personnel Management (5). Pr., MN 310, Junior Standing.**  
Management of employees with particular attention to recruiting, selection, placement, training, performance evaluation, motivation, wage and salary administrations, security, behavior, and union-management relations.
- 573. Logistics Management (5). Pr., MT 472 or Consent of Instructor.**  
Fundamentals of supply and distribution management in business concerns. Includes plant location, inventory control, warehousing and office management. Total movement control from raw material to ultimate consumer is emphasized. (Same as MT 573).

#### Graduate Courses

- 600. Manpower Policy (5). Pr., Graduate Standing.**  
A policy oriented examination of union management relations and manpower problems in contemporary society and work organizations.



- 603. Organization Theory (5). Pr., Graduate Standing or Consent of Instructor.**  
A universally applicable study of organizations and their structure. Includes analysis of basic organizational factors as well as the function and goals of political, social and economic units. Emphasis on organizational development and patterns of relationships that are developed.
- 605. Human Relations in Business Organization (5). Pr., Graduate Standing or Consent of Instructor.**  
Study of human relations in individual and group interaction within the environment of business organizations. Emphasis on research literature in the field.
- 606. Management Problems (5). Pr., MN 480 or Consent of Instructor.**  
Basic administrative problems in business and industry. Managerial controls as applied to administrative and operative functions.
- 607. Managerial Economics (5). Pr., EC 202, Graduate Standing or Consent of Instructor.**  
Decision theory and criteria for decision-making concerning output, pricing, capital budgeting, scale of operation, investment and inventory control. Attention is also given to concepts of profits, production and cost functions, competition and equilibrium for the firm and the industry.
- 640. Government and Business (5). Pr., Graduate Standing.**  
An environmental study of legal influences, concepts and institutions with special emphasis upon the principal laws and administrative regulations relevant to business executives.
- 650. Management Seminar (1-5). Pr., Graduate Standing or Consent of Instructor.**  
A seminar for graduate students. Exact subject matter will be announced each time the course is offered. May be repeated with a change in subject matter.
- 690. Special Problems (1-5).**  
Variable content in the management area.

#### MARKETING AND TRANSPORTATION (MT)

##### MARKETING

- 331. Principles of Marketing (5). Pr., EC 202 and ACF 202.**  
A general but critical survey of the field of marketing covering marketing channels, functions, methods, and institutions.
- 432. Promotional Strategy (5). Pr., MT 331.**  
A critical analysis of the various promotion methods available to marketers in communicating desired product and/or service information to consumers. Among the methods covered are personal selling, mass selling, and sales promotion.
- 436. Marketing Research Methods (5). Pr., MT 331, Junior Standing.**  
Methods of scientific research in the field of marketing and their application to the solution of marketing problems.



- 438. Retailing (5). Pr., MT 331.**  
A survey of the nature, procedure, and results of trade at the retail level.
- 490. Special Problems (1-5).**  
Variable content in the marketing or transportation area.
- 534. Purchasing (5). Pr., MT 331, Junior Standing.**  
Objectives, control and the direction of industrial purchasing. (Same as MN 534).
- 537. Sales Management (5). Pr., MT 331, MN 310, Junior Standing.**  
Principles and practices of sound organization and administration of sales organization. Includes consideration of: sales department organization, selecting, training, compensating, and supervising salesmen, sales planning, setting up sales territories and quotas and other problems.
- 541. Consumer and Market Behavior (5). Pr., MT 331.**  
A comprehensive analysis of the influence of cultural, social and psychological factors upon the motivation and behavior of buyers.
- 578. Marketing Problems (5). Pr., MT 331, Junior Standing.**  
Marketing problems, policies, costs, channels of distribution, terminal markets, trade barriers and legislation.

## TRANSPORTATION

- 476. Motor Transportation (5). Pr., EC 202, Junior Standing.**  
Economics of the motor transportation business with emphasis on freight and passenger carriers and the highway system. Particularly designed for students of business and of civil engineering.
- 572. Economics of Transportation (5). Pr., EC 202, Junior Standing.**  
The development of systems of transportation. Rates are studied as they affect agriculture, commerce and industry. Attention is also given to government regulation of transportation agencies.
- 573. Logistics Management (5). Pr., EC 472 or Consent of Instructor.**  
Fundamentals of supply and distribution management in business concerns. Includes plant location, inventory control, warehousing and office management. Total movement control from raw material to ultimate consumer is emphasized. (Same as MN 573).

## Graduate Courses

- 615. Marketing Management (5). Pr., Graduate Standing or Consent of Instructor.**  
Analysis of marketing research, product development, promotion, pricing, packaging, competition and forecasting as related to the decision making process.

- 641. Behavioral Research in Business (5). Pr., Graduate Standing, Consent of Instructor**  
A study of problem definition, research design, hypotheses testing, theory construction, problem framework, and the development of methodology as applied to problems of understanding, controlling, and influencing group and individual behavior within marketing and other business organizations.
- 650. Marketing Seminar (1-5). Pr., Graduate Standing and Permission of Instructor.**  
A seminar for graduate students. Exact subject matter will be announced each time course is offered. May be repeated with a change in subject matter.
- 690. Special Problems (1-5).**  
Variable content in the marketing area.

### QUANTITATIVE METHODS (QM)

#### QUANTITATIVE METHODS

- 274. Computer Augmented Business Statistics (5). Pr., MH 150.**  
The application of elementary statistics to business and economic problems using stored computer programs and the digital computer.
- 374. Business and Economic Statistics (5). Pr., MH 267 or QM 274.**  
Probability distributions including the Poisson and "t" distribution; advanced time series analysis; chi square; multiple and partial correlation; statistical decision theory.
- 475. Quantitative Methods of Management (5). Pr., Junior Standing and MH 267 or QM 274.**  
Use of quantitative methods in managerial decision making. (Same as MN 475).

#### Courses for Advanced Undergraduates and Graduates.

- 510. Quantitative Methods for Managers (5). Pr., Graduate Standing.**  
A survey of statistical and operational research techniques useful in managerial decision making.

#### Graduate Courses

- 674. Business and Economic Statistics I (5). Graduate Standing.**  
Elaboration of basic statistical methodology as it applies to business and economics. Includes descriptive measures, probability theory, random variables, probability models and sampling distributions, classical theory of estimation and testing.
- 675. Operation Research (5). Pr., Graduate Standing.**  
The application of operations research methods to business and

economic problems. The methods include linear programming, network analysis, game theory, queueing theory, simulation and Markovian processes.

**676. Business and Economic Statistics II (5). Pr., Graduate Standing, QM 674.**

A continuation of QM 674 to include Bayesian inference, decision theory, selected non-parametric techniques, linear bivariate and multivariate analysis.





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## SCHOOL OF EDUCATION

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### STATEMENT OF OBJECTIVES

The general purposes of the School of Education of Auburn University at Montgomery are consistent with the overall objectives of the research, and service through extension to the people of Alabama and the Southeastern region. More specifically, the School of Education, within the province of the institutional objectives, strives to fulfill the following:

1. To provide young people seeking careers in education with the knowledge, skills, competencies and credentials necessary for entry into and successful performance in the teaching profession.
2. To contribute to the output of new personnel into education and thereby serve educational institutions and the people of the state and region.
3. To engage in educational research to provide an influx of new knowledge regarding teaching methods and materials.
4. To maintain a staff of qualified personnel who can provide technical assistance to school districts in Alabama.
5. To provide continuing graduate level work in education so that teachers may improve the quality of their instruction.

### Admission To The Professional Education Program

Each student preparing to teach must be admitted to the Professional Education Program and complete that program as one of the qualifications for teacher certification. Application to enter the program should be filed with the School of Education during the fifth quarter in school or upon the completion of sixty hours of course work. Students may not register for advanced level education courses until they have been admitted to the Professional Education Program.

Requirements for admission to the Professional Education Program are the following:

1. The student must have an overall grade point average of 1.0 (C).
2. The student must have a grade point average of 1.5 in all education courses taken prior to making application.
3. The secondary education student must have a grade point average of at least 1.5 in his major.
4. The student must exhibit evidence of proficiency in oral and written communication skills as determined by the faculty of the School of Education.
5. The student must submit an application and an autobiography to the Director of Laboratory Programs.



These criteria also apply to transfer students.

After the student has applied for admission to the Professional Education Program, his application file will be reviewed by the faculty of the School of Education and the student will be notified of his acceptance or denial. In the event of denial the student may reapply for admission after deficiencies are removed.

### LABORATORY EXPERIENCES PROGRAM

The Laboratory Experiences Program provides sequential opportunities for education students to participate in learning activities in a variety of school and community settings.

The Laboratory Experiences Program is divided into four areas: (1) PRE-PROFESSIONAL LABORATORY PROGRAM, (2) PROFESSIONAL LABORATORY PROGRAM, (3) PROFESSIONAL INTERNSHIP, AND (4) PROFESSIONAL PRACTICUM EXPERIENCE.

THE PRE-PROFESSIONAL LABORATORY PROGRAM is designed to provide the freshman and sophomore education student initial field experiences in school or community settings. As an integral part of the following courses FED 104, FED 200, FED 210, FED 211, FED 214, ECE 321, and HPER 212, the student is provided laboratory time for observation, participation, and evaluation in field settings. The student may enroll in these courses before he is admitted to the Professional Education program.

THE PROFESSIONAL LABORATORY PROGRAM provides concurrent field experiences for students enrolled in the following professional methods courses, EED 300, EED 315, EED 400, SPE 579, SPE 586, SED 405, SED 410, ECE 513, ECE 517, and ECE 567. The student is provided laboratory time for involvement in actual teaching experiences in his area of specialization. *The student must be admitted to the Professional Education Program before he may enroll in this area of the Laboratory Experiences Program.*

THE PROFESSIONAL INTERNSHIP, EED 425 or SED 425, is a full-time assignment in an area school or community. The internship involves orientation, teaching experience, professional school and community involvement, and evaluation.

The student enrolls for 15 credit hours and devotes a full quarter to the internship. No additional coursework, nor employment is permitted without the approval of the Head of the Department of Curriculum and Instruction.

Prior to the internship the student must submit to the Director of Laboratory Programs an application for internship approved by his advisor. The final dates for submission of the internship application are the following:

Fall Quarter Internship .....	May30
Winter Quarter Internship .....	September 30
Spring Quarter Internship .....	January 30

Student teaching for the summer quarter will not be approved for students without teaching experience.



Requirements for admission to the Professional Internship are: (1) admission to the Professional Education Program, (2) completion of appropriate courses in area of specialization, (3) a grade point average of 1.5 in education courses, and (4) a grade point average of 1.5 in the major.

Certification students who have successfully completed a full academic school year of teaching experience in their area of specialization may be permitted to satisfy the internship through a special program which is offered for 10 quarter hours credit. Students may not enroll in this internship without approval from the Head of the Department of Curriculum and Instruction and the Director of Laboratory Programs.

THE PROFESSIONAL PRACTICUM EXPERIENCE is a half-day assignment in a school. The student enrolls for 10 credit hours in either SPE 459 or ECE 459 and additional course work is allowed during the Practicum Quarter.

SPE 459 involves an assignment to a school dealing with exceptional children for the student enrolled in a Special Education minor or the Elementary/Special Education program.

ECE 459 involves an assignment in an approved pre-first grade child development center housing normal, disadvantaged and/or handicapped young children for the student enrolled in the Elementary/Early Childhood Education program.

Requirements for admission to the Professional Practicum Experience are the same as required for admission to Professional Internship.

### **Teacher Certification Services**

Programs in the School of Education are approved by the Alabama State Board of Education for certifying superintendents, supervisors, principals, counselors, and elementary, early childhood, special education, and secondary teachers. Upon satisfactory completion of a prescribed course of study and upon recommendation of the AUM Certification Officer, a professional certificate will be issued by the appropriate State Department of Education.

For detailed requirements for the Professional Certificate (Ranks B, A, or AA), consult the Alabama State Department of Education Bulletin 1966, No. 14 available in the Alabama State Department of Education, Certification Section.

## **UNDERGRADUATE PROGRAMS**

The School of Education offers courses leading to the BS in Education. The student may elect to pursue a program of teacher preparation designed to prepare elementary, early childhood, special education, or secondary school teachers. The programs in education are composed of the following:

1. A broad core of courses which comply with the University Liberal Education Program.

2. A professional education program consisting of courses in foundations of education and methods and curriculum in areas of specialization.
3. Coursework in areas of specialization providing depth of understanding required of the teacher.
4. Professional laboratory experiences include aideship, methods labs, the internship and special practicums.

**ELEMENTARY EDUCATION**

The preparation program for elementary teachers is designed to provide broad knowledge in all phases of the elementary school program and to allow a concentration in one academic area. The trend toward the team approach to teaching in the upper elementary schools makes it especially desirable that the elementary teacher have an area of academic concentration. Each student must develop a concentration of twenty quarter hours beyond the general curriculum requirements in Social Science, Mathematics, Science, Art, Psychology, Physical Education, Language Arts, Foreign Languages or other approved area.

**Freshman Year**

First Quarter		Second Quarter	
EH 101 Eng. Comp. ....	5	EH 102 Eng. Comp. ....	5
HY 101 World History ....	5	HY 102 World History ....	5
BI 101 Prin. of Biol. ....	5	BI 104 Biol. in Human Affairs ....	5
	<hr/>		<hr/>
	15		15

**Third Quarter**

FED 104 Intro. to Prof. Education 2	
FED 200 Teacher Aideship .....	3
SP 202 Applied Oral Communication. ....	5
SY 201 Intro. to Soc. ....	5
	<hr/>
	15

**Sophomore Year**

First Quarter		Second Quarter	
MH 281 Elem. Math I .....	5	MH 282 Elem. Math. II .....	5
HPER 212 Teaching Elementary School Physical Edu. ....	5	Literature Elective .....	5
Literature Elective .....	5	Social Science Elective .....	5
Social Science Elective .....	5	FED 210 Child Growth and Development .....	5
	<hr/>		<hr/>
	20		20

**Third Quarter**

FED 214 Psych Found. of Education. ....	5
GY 201 Phy. Geog. or	
GY 211 Cultural Geog .....	5
Approved Electives. ....	5
FED 325 Soc. and Phil. Found. of Education. ....	5
	<hr/>
	20



**Junior Year**

<b>First Quarter</b>		<b>Second Quarter</b>	
AT 542 Public School Art . . . . .	5	EED 596 Music for Elementary	
Approved Elective . . . . .	5	Teachers . . . . .	5
PS 100 Intro. to Physical		Approved Elective . . . . .	5
Science . . . . .	5	Physical Science Elective . . . . .	5
	<hr/> 15		<hr/> 15

**Third Quarter**

EED 300 Elem. Curr. I . . . . .	10
EED 315 Reading in	
Elem. Schools . . . . .	5
	<hr/> 15

**Senior Year**

<b>First Quarter</b>		<b>Second Quarter</b>	
Approved Elective . . . . .	10	EED 425 Prof. Internship . . . . .	15
FED 400 Elem. Curr. II . . . . .	10		
	<hr/> 20		<hr/> 15

**Third Quarter**

FED 590 Measurement and	
Evaluation in Teaching . . . . .	5
Approved Elective . . . . .	10
	<hr/> 15

**Total — 200 Quarter Hours****ELEMENTARY CONCENTRATIONS****20 Hours Required in One Area****Art**

Approved courses in art.

**Health, Physical Education, Recreation**

Approved courses in health, physical education, recreation.

**Language Arts**

Approved courses in English, Speech, and Theater.

**Mathematics**

Approved courses in Mathematics.

### **Psychology**

Approved courses in Psychology.

### **Science**

Approved courses in Biology, Chemistry, Physical Science.

### **Social Studies**

Approved courses in History, Government, Sociology, Geography, and Economics.

### **Elementary/Early Childhood Education Dual Certification Program**

The primary purpose is to prepare elementary teachers with specific skills for guiding the development of young children from infancy to age nine or the early childhood years.

By following the outlined program for the Elementary Education Program and taking 25 quarter hours of the following Early Childhood Education Courses at the "Approved Electives" positions in the program, a student will be certified in Elementary Education and Early Childhood Education at the Class B level in Alabama.

#### **Required Courses**

ECE 321 Introduction to Early Childhood Education .....	5
ECE 513 Learning Activities in Early Childhood Education.....	5
ECE 517 Guidance of Young Children .....	5
ECE 459 Practicum in Early Childhood Education .....	10

#### **Electives**

ECE 567 Working with Parents of Young Children .....	5
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### **Elementary/Special Education with Endorsement in Mental Retardation Dual Certification Program**

The primary purpose is to prepare elementary teachers with specific skills for teaching mentally retarded children.

By following the outlined program for the Elementary Education program and taking 35 quarter hours of the following Special Education Courses at the "Approved Electives" positions in the program, a student will be certified in Elementary Education and Special Education with an Endorsement in Mental Retardation at the Class B level in Alabama.

#### **Required Courses**

SPE 376 Survey of Exceptionality .....	5
SPE 501 Characteristics and Nature of Mental Retardation .....	5
SPE 579 Methods and Materials for Teaching the Mentally Retarded.....	5
SPE 559 Practicum in Special Education .....	10

**Two additional approved courses such as the following:**

SPE 575 Arts and Crafts for the Exceptional Child .....	5
SPE 586 The Severely Mentally Retarded .....	5
SPE 580 Education of Children with Special Learning Disabilities .....	5
SPE 581 Diagnostic/Prescriptive Approaches for Children with Learning Disabilities .....	5
SPE 551 Workshop in Special Education .....	5
SPE 577 Methods and Materials for the Educable Mentally Retarded-Secondary Level .....	5
SP 550 Principles of Speech Correction .....	5
SP 553 Speech Correction III; Language Development .....	5
ECE 567 Working with Parents of Young Children .....	5

**SECONDARY EDUCATION**

The program in secondary education is designed to provide the student a strong academic teaching field with a major in art, general business, English, mathematics, biological science, general social science, history, government, or sociology. The completion of a minor also allows the student to develop a second teaching field. The preparation program for secondary teaching is as follows:

**Freshman Year**

First Quarter	Second Quarter
EH 101 Eng. Comp. .... 5	EH 102 Eng. Comp. .... 5
HY 101 World History .... 5	HY 102 World History .... 5
BI 101 Prin. of Biol. .... 5	BI 104 Biol. in Human Aff. .... 5
—	—
15	15

**Third Quarter**

Math Elective .....	5
Physical Science Elective .....	5
SP 202 Appl. Oral Communication .....	5
FED 104 Intro. to Prof. Education .....	2
FED 200 Aideship .....	3
—	—
	20



**Sophomore Year**

First Quarter		Second Quarter	
EH 253 Survey of Eng. Lit . . . . .	5	FED 211 Adolescent Growth	
SY 201 Intro. to Soc. . . . .	5	Development . . . . .	5
Physical Science Elective . . . . .	5	Major-Minor . . . . .	10
Major-Minor . . . . .	5	Approved Literature	
		Elective . . . . .	5
	<hr/>		<hr/>
	20		20

**Third Quarter**

FED 214 Psychological	
Found. of Education . . . . .	5
Major-Minor . . . . .	10
	<hr/>
	15

**School of Education****Junior Year**

First Quarter		Second Quarter	
FED 325 Social and Philosophical		Major-Minor . . . . .	15
Found. of Education . . . . .	5		
Major-Minor . . . . .	10		
	<hr/>		<hr/>
	15		15

**Third Quarter**

Major-Minor . . . . .	15
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**Senior Year**

First Quarter		Second Quarter	
SED 405 Teaching in		SED 425 Prof. Internship	
Sec. Schools . . . . .	5	in Sec. School . . . . .	15
SED 410 Program in Sec.			
Schools . . . . .	5		
Major-Minor . . . . .	10		
	<hr/>		<hr/>
	20		15

**Third Quarter**

FED 590 Measurement and	
Evaluation in Teaching . . . . .	5
Major-Minor . . . . .	10
	<hr/>
	15

**Total — 200 Quarter Hours**

The major and minor options for secondary education students are outlined in the following chart:

**Program Chart**

<b>Minors</b>	<b>Majors</b>
Art Biology Business (General) Chemistry English History Health, Physical Education and Recreation Mathematics Psychology Political Science and Government Sociology	Art Biology Business (General) Chemistry English History Mathematics Political Science and Government Social Studies Sociology
Certification Only Special Education	

The major and minor requirements for secondary education students are outlined below. The required number of quarter hours credit necessary for the major and minor refers to courses taken beyond the liberal education requirements and after the student has entered the professional education program. The student may elect to take a heavy major without a minor in which case he must take fifteen additional hours in the major.

### **Art**

Minor: 40 Quarter Hours

AT 105 Drawing I .....	5
AT 106 Drawing II .....	5
AT 181 Design Fundamentals I .....	5
AT 182 Design Fundamentals II .....	5
AT 222 Painting I .....	5
AT 224 Painting II .....	5
AT 322 Painting III .....	5
AT 342 Elementary School Art .....	5

Major: 55 Quarter Hours

Minor Requirements — 40

Approved Art Electives — 15

**Biology**

Minor: 30 Quarter Hours

BI 102 Plant Biology .....	5
BI 103 Animal Biology .....	5
BI 310 Human Anatomy & Physiology .....	5
Approved 300-400 level biology courses .....	15
Major: 45 Quarter Hours	
Minor Requirements — 30	
BI 420 Ecology .....	5
Approved 300-400 level biology courses .....	10

**Business<sup>1</sup> (General)**

Minor: 50 Quarter Hours

EC 200 Economics I .....	5
EC 202 Economics II .....	5
ACF 201 Introductor Accounting I .....	5
ACF 202 Introductor Management II .....	5
MN 310 Prin. of Management .....	5
MN 341 Business Law .....	5
CS 207 Data Processing .....	5
MN 205 Business Typing .....	5
MN 206 Business Shorthand .....	5
MN 415 Office Practices and Procedures .....	5
Major: 75 Quarter Hours	
Minor Requirements — 50	

<sup>1</sup>Any student working for a minor or major in general business education must demonstrate a proficiency in typing and shorthand.

**Chemistry**

Minor: 30 Quarter Hours

CH 102 General Chemistry II .....	5
CH 103 General Chemistry III .....	5
CH 201 Analytical Chemistry .....	5
CH 301 Organic Chemistry I .....	5
CH 302 Organic Chemistry II .....	5
Approved 300-400 level chemistry course .....	5
	<hr/>
	30

Major: 45 Quarter Hours

Minor Requirements .....	30
CH 410 Physical Chemistry .....	5
CH 420 Biochemistry .....	5
CH 430 Environmental Analysis .....	5



**English**

Minor: 20 Quarter Hours

EH 305 Adv. Expository Writing.....	5
EH 441 History of the English Language.....	5
EH 257 Survey of Amer. Lit.....	5
Approved 300-400 level Eng. elec.....	5

Major: 40 Quarter Hours

Minor Requirements — 20

EH 258 Survey of Amer. Lit.....	5
EH 451 or	
EH 452 Shakespeare.....	5
Approved 300-400 level Eng. elec.....	10

**History**

Minor: 30 Quarter Hours

HY 201 United States History.....	5
HY 202 United States History.....	5
Selection for Latin Amer. Area.....	5
Selection from non-western, non-Amer. area.....	5
Approved 300-400 level history courses.....	10

Major: 45 Quarter Hours

Minor Requirements — 30

Approved 300-400 level courses in areas of student's choice providing depth study in one area.....	15
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**Health and Physical Education<sup>1</sup>**

Minor: 45 Quarter Hours

HPE 201 Foundations of Health, Physical Education, Recreation.....	5
HPE 119 Theory and Techniques of Teaching Individual and Dual Sports.....	5
HPE 122 Theory and Techniques of Teaching Team Sports.....	5
HPE 212 Teaching Physical Education in the Elementary School.....	5
HPE 295 School and Community Health.....	5
HPE 315 Kinesiology.....	5
HPE 385 Principles of Recreation.....	5
HPE 401 Organization and Administration of Health, Physical Education.....	5
Each minor student will be required to take four (4) quarters of basic activity courses and one (1) quarter of advanced activity courses.....	5

TOTAL 45 hrs.

<sup>1</sup>All minors must achieve proficiency in a minimum of five motor skill areas before completion of the undergraduate program.

**Mathematics**

Minor: 35 Quarter Hours

MH 160 Algebra and Trigonometry .....	5
MH 161 Anal. Geom. and Calculus I .....	5
MH 162 Anal. Geom. and Calculus II .....	5
MH 163 Anal. Geom. and Calculus III .....	5
MH 321 Intro. to Analysis I .....	5
MH 331 Intro. to Modern Algebra I .....	5
MH 447 Found. of Plane Geometry .....	5

Major: 55 Quarter Hours

Minor Requirements — 35

MH 332 Intro. to Modern Algebra II .....	5
Approved 300-400 level mathematics electives .....	15

**Psychology**

Minor: 33 Quarter Hours

PG 211 Psychology I .....	5
MH 267 Elementary Statistics .....	5
PG 320 Experimental Psychology .....	4
PG 431 Social Psychology .....	4
PG 415 Intro. to Tests and Measurements .....	5
Approved 300-400 level psychology course .....	10

**Political Science and Government**

Minor: 30 Quarter Hours

GV 102 Institutions of American State and National Government .....	5
GV 209 The Constitutional Foundations of American Democracy .....	5
Approved 300-400 level government courses .....	15

Major: 45 Quarter Hours

Minor Requirements — 30

Approved 300-400 level government courses .....	15
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**Social Science**

Major: 45 Quarter Hours

HY 201 United States History .....	5
HY 202 United States History .....	5
EC 201 Economics I .....	5
GV 101 Const. Fnd. Am. Dem .....	5
Approved electives from 300-400 level courses in sociology, econ., government, or history .....	25

**Sociology**

Minor: 30 Quarter Hours

SY 201 Introduction to Sociology .....	5
SY 211 Cultural Anthropology .....	5
SY 410 Sociology of the Family .....	5
Approved 300-400 level sociology courses .....	15
Major: 45 Quarter Hours	
Minor Requirements — 30	
SY 202 Social Problems .....	5
SY 430 Minority Groups .....	5
Approved 300-400 level sociology course .....	5

**Special Education**

Minor: 30 Quarter Hours

SPE 376 Survey of Exceptionality .....	5
SPE 377 Introduction to Mental Retardation .....	5
SPE 559 Practicum in Special Education .....	5
SPE 577 CO-OP Program — Special Education, VRS, and Vocational Education .....	5
SPE 578 Methods and Materials for Teaching the Mentally Retarded-Secondary .....	5
SPE 579 Methods and Materials for Teaching the Mentally Retarded .....	5
SPE 580 Education of Children with Special Learning Disabilities .....	5
SPE 550 Principles of Speech Correction .....	5
SPE 551A Workshop in Education (Driver Educ. for Teachers of Educ. Mentally Retarded)	



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## DESCRIPTION OF COURSES

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### FOUNDATIONS OF EDUCATION (FED)

- 104. Introduction to Professional Education (2).**  
Required of all students completing the Teacher Education Program. Orientation to the total program in teacher education. Specific attention is given to current trends and issues, career opportunities, training programs and laboratory experiences in education. *Must be taken concurrently with FED 200 Teacher Aideship.*
- 200. Teacher Aideship in Elementary or Secondary Schools (3). Pr., Departmental Approval.**  
Field experience in an appropriate elementary or secondary classroom under the direction of a classroom teacher. The student functions as an aide to the teacher in the training-learning process. A minimum of forty hours will be spent in the classroom. *Must be taken concurrently with FED 104 Introduction to Professional Education.*
- 210. Child Growth and Development (5). Lec. 4, Lab. 2, Pr., Sophomore Standing.**  
Required of all students in Elementary Education. Analysis of the function of the teacher and the school in the direction, measurement and evaluation of individual growth and developments, from birth to adolescence by using various sociological, philosophical and psychological theories. Field experiences provided.
- 211. Adolescent Growth and Development (5). Lec. 4, Lab. 2, Pr., Sophomore Standing.**  
Required of all students in Secondary Education. Analysis of the functions of the teacher and the school in the direction, measurement and evaluation of individual growth and development, during adolescence, by using various sociological, philosophical and psychological theories. Field experiences provided.
- 214. Psychological Foundations of Education (5). Pr., Sophomore Standing.**  
Required of all students completing the Teacher Education Program. The psychological dimensions of the educational process. The processes, conditions, and evaluation of learning, and related methodologies of teaching. Field experiences provided.
- 325. Social and Philosophical Foundations of Education (5). Pr., Junior standing, FED 214, 211 or 210, SY 201 or equivalent and 5 additional hours of Social Science.**  
Required of all students completing the Teacher Education Program. Analysis of the social role of the school and the major philosophical ideas influencing its development in American culture.
- 590. Measurement and Evaluation in Teaching (5). Pr., Senior Standing, FED 325 or equivalent.**  
Methods, procedures, and evaluative instruments for determining teaching effectiveness, pupil learning, and attainment of educational

goals in cognitive, psychomotor, and affective areas. Required of all students completing the Teacher Education Program.

### Graduate Courses

- 600. Education in Modern Society (5). Pr., Graduate Standing.**  
Analysis and interpretation of the interaction of historical, philosophical, and sociological considerations affecting education in modern society.
- 617. Advanced Educational Psychology (5). Pr., Graduate Standing.**  
In-depth analyses of the psychological bases of learning. Particular emphases are the development and modification of cognitive and affective behavior.
- 630. Education in Culturally Diverse Environs (5). Graduate Standing.**  
Examination and assessment of popular ideas, current proposals, and educational research relating to the improvement of education in culturally diverse areas.
- 647. Foundations in Curriculum and Teaching (5). Pr., Graduate Standing.**  
The development of curriculum patterns and teaching materials is reviewed in terms of recent investigations and experimentation; conflicting conceptions of the nature of the curriculum and the sociological, philosophical and psychological implications of these conflicts; methods of curricular reorganization in the elementary and secondary schools.
- 648. Advanced Study in Curriculum and Teaching (5). Graduate Standing.**  
Advanced study of curriculum theories, designs, and methodologies relating to sound principles of curriculum development in elementary and secondary schools.
- 661. Research and Experimentation in Education (5). Pr., Graduate Standing.**  
Emphasis given to research methods, design of experiments, and evaluation; data sources, research planning, elements of scientific method and proposal writing. Current trends in educational research.

### EDUCATION — GENERAL (EDN)

Courses Accepted For Graduate  
Or Advanced Undergraduate Credit

- 551. Workshop in Education (1-10).** Content to be determined for special workshops.
- 559. Practicum in Education (1-5).** Independent directed study or field experience to be determined.
- 583. Relationship Skills in the Classroom (5). Pr., Junior Standing.**  
Coursework emphasizing affective relationships within classrooms at both elementary and secondary levels. Stress will be placed on concep-



tual and practical familiarity with specific approaches and techniques designed to enhance the total development of school children. Experiential emphasis.

### **EARLY CHILDHOOD EDUCATION (ECE)**

- 321. Introduction to Early Childhood Education (5). Pr., FED 210.**  
An introduction to Early Childhood Education with emphasis on what a teacher does, and how a curriculum is developed for young children in various types of programs.
- 459. Practicum in Early Education (3-10). Pr., ECE 413, ECE 417, ECE 321, or to be taken concurrently, and Departmental Approval.**  
A course designed to provide clinical experiences with normal or exceptional pre-first grade children under close professional guidance. Observation and participation in the classroom and appropriate agencies are required.

### **Courses Accepted For Graduate Or Advanced Undergraduate Credit**

- 513. Learning Activities in Early Childhood Education (5). Pr., FED 210, Junior Standing and Departmental Approval.**  
A study of school programs for nursery and kindergarten levels. Attention is given to learning activities, materials and equipment suitable for teaching at this level. Emphasis is given to appropriate methods for relating the various subject areas to the general educational development of the normal or exceptional young child. Observation and participation are included.
- 517. Guidance of Young Children (5). Pr., FED 210, Junior Standing, and Departmental Approval.**  
Environmental factors affecting the development of young children in the home, community and school. Emphasis is given to principles and methods of guidance, enhancing the normal or exceptional child's development of an adequate self-image, and methods of promoting cognitive development in a nursery and kindergarten school environment. Observation and participation are included.
- 567. Working with Parents of Young Children (5). Pr., FED 210, Junior Standing.**  
Principles of working with parents on both an individual and on a group basis. Emphasis is given to working with parents of the very young child and the exceptional child.

### **Courses Accepted For Graduate Credit Only**

- 621. Current Curriculum Trends in Early Childhood Education (5). Pr., Departmental Approval.**  
An investigation of developments, issues, and trends in early childhood education curriculum.



- 623. Developmental Processes of Children (5).**  
Review interpretation and evaluation of substantive areas of child development in light of personality theories emphasizing changes in knowledge of these areas as a result of recent research.
- 624. Research in Early Childhood Education (5). Pr., ECE 513, ECE 517, ECE 621, or advanced graduate work in Early Childhood Education.**  
Review, Analysis, and interpretation of research in areas of early childhood education.
- 625. Organizing and Administration in Early Childhood Education (5). Pr., ECE 513, ECE 517, ECE 621, or advanced graduate work in Early Childhood Education.**  
Organizational and administrative theory and practice applicable to early childhood education at the classroom, building, system, state, and national level. Attention will be paid to supervision personnel management, laws and regulations as applied to operating an early childhood program and working with adults in a professional leadership role in Early Childhood Education.
- 650. Seminar — Problems in Early Childhood Education (3-10). Pr., ECE 621 and two other courses in Early Childhood Education. May be repeated for credit not to exceed 10 hours.**  
Contemporary problems in early childhood education. Intensive study in areas of interest and need.
- 659. Practicum in Early Childhood Education (3-10). Pr., ECE 513, ECE 517, ECE 621, or advanced graduate work in Early Childhood Education. May be repeated for credit not to exceed 10 hours.**  
Integration of theory and practice which enables the student to test within the school environment appropriate teaching-learning and organizational programs.

#### ELEMENTARY EDUCATION (EED)

- 300. Elementary Curriculum I (10). Pr., Admission to Professional Education.**  
Skills, techniques, concepts, and materials related to the language arts and social studies are emphasized. Students prepare, present and evaluate materials in these areas. Field experiences are provided.
- 315. Reading in the Elementary Schools (5). Pr., Admission to Professional Education, EED 300 or to be taken concurrently.**  
Examining the reading process. Techniques, methods, and materials for improving reading skills including use of the Basal Reader Approach, Language-Experience Approach, Individualized Reading Plan and the Combination Reading Approach. Field experiences are provided.
- 400. Elementary Curriculum II (10). Pr., Admission to Professional Education.**  
Skills, techniques, concepts, and materials related to mathematics and the natural sciences are emphasized. Students prepare, present, and evaluate materials in these areas. Field experiences are provided.

**425. Professional Internship in Elementary Education (10-15). Pr., Division Approval.**

Students are placed in schools for supervised teaching experiences. Student must submit to the Coordinator of Laboratory Experiences Program an application for internship approved by his advisor. *Deadlines for submission of applications are the following: Fall Quarter — May 30, Winter Quarter — September 30, Spring Quarter — January 30.*

**Courses Accepted for Graduate or Advanced Undergraduate Credit**

**515. Principles and Practices in the Teaching of Reading (5). Pr., Department Approval. Analysis of reading, reading difficulties and specific approaches to the teaching of reading.**

Causes of reading disability, methods of diagnosis, procedures and materials for corrective work dealing with both group and individuals in a classroom setting are emphasized.

**596. Music in the Elementary School (5). Pr., Department Approval.**

To give the individual teacher a deeper insight into skills, techniques, and knowledge of music. Appropriate materials, adapted to social and musical interests of children are studied and evaluated.

**Courses Accepted For Graduate Credit Only**

**640. Current Theory and Practice in the Teaching of Reading (4). Pr., Graduate Standing.**

Principles of reading instruction within the settings of the areas of child development, learning theories, individual differences, the role of reading in the total school and community environment, and examination of current reading materials.

**641. Diagnostic Procedures in Reading (4). Pr., Graduate Standing.**

Administration, scoring, and interpretation of specific reading tests, diagnostic and achievement, to determine causes of reading disability. Formal and informal evaluation procedures for regular and remedial classrooms. Screening tests for contributing factors to reading disability. Analysis of test information and the implication for correction of reading difficulties.

**642. Remedial Procedures in Reading (5). Pr., Graduate Standing.**

Appropriate individual and group techniques for correcting deficiencies and practice in continuing evaluation or reading difficulties. Use of equipment and materials with children having reading problems.

**643. Clinical Procedures in Reading (5). Pr., EED 641, EED 642, Graduate Standing.**

Clinical experiences in diagnosing and remediating children with problems in reading and related areas.

**646. Studies in Education (1-5). Pr., Graduate Standing.**

Study of a problem using research techniques. The problem will be selected in consultation with the professor who will supervise it. A



problem should be selected which will contribute to the program of the student.

651. L, M, S, O, (L) Language Arts, (M) Mathematics (S) Science, and (O) Social Science. Research Studies in Education in Areas of Specialization (5). Pr., Graduate Standing.

Review, Analysis and interpretation of available research with emphasis on designing new research to meet the changing needs of the school.

652. L, M, S, O, (L) Language Arts, (M) Mathematics (S) Science, and (O) Social Science. Curriculum and Teaching in Areas in Specialization (5). Pr., Graduate Standing.

A critical study of teaching practices and reappraisal of selecting experiences and content for curriculum improvement.

- 659 R. Practicum in Reading (3-10). Pr., Graduate Standing and Advanced Credits in Reading.

A course designed to provide experiences in a classroom or community setting. The course will provide the student with supervised experience in applying skills, concepts, values, and principles acquired in previous courses. The experiences are within a school or community environment appropriate to teaching/learning reading.

## HEALTH AND PHYSICAL EDUCATION (HPE)

### Courses offered are of two types:

- (1) Basic physical education or activity courses such as tennis, golf, slimnastics, etc. open to all men and women of the University.
- (2) Professional courses in health and physical education, primarily for students preparing for careers in these areas.

### Professional and Service Activity Courses

Students enrolled in these courses will be expected to wear the proper apparel. For women, it consists of shorts or slacks (preferably seal brown), white blouse, tennis shoes, and white socks for sports classes. A leotard is the regular costume for students who enroll in the modern dance or slimnastics classes. It is advisable that each woman student have a pair of slacks and a warm jacket for outside use in cold weather. For men, the uniform consists of seal brown shorts, T-shirt, tennis or gym shoes. Cotton "sweat suits" are suggested for outside wear in cold weather. The activity courses are listed as follows:

116. Physical Conditioning and Body Mechanics (1).

A course providing guidance in selecting and implementing basic conditioning and training programs including weight control. Attention is given to special problems and planning of individual programs to meet specific needs. Emphasis is placed on body mechanics and efficiency of movement.



**117. Slimnastics (1).**

A course in which fitness and conditioning programs are developed according to individual needs and limitations. Emphasis is placed on nutrition, caloric intake and output, and the development of desirable exercise habits.

**126. Touch Football (1).**

A course designed to introduce the student to the basic elements in the game of touch football. Included is a basic history of the sport, rules of the game, offensive and defensive patterns of play. Emphasis is placed on developing the basic skills of running, passing, punting, and receiving. The basic fundamentals of each offensive and defensive position are stressed.

**135. Weight Training (1).**

A course designed to introduce the student to the basic principles of weight lifting. The course includes descriptions of programs emphasizing specific exercises and routines to gain strength and maintain fitness. Emphasis is placed on diet, equipment, and safety.

**145. Modern Dance (1).**

A course designed to provide the student with opportunities for education, analysis, and performance experiences in the contemporary art-form through creative movement. Emphasis is placed on the assessment of fundamental dance movements and techniques.

**156. Archery (1).**

A course designed to introduce the student to the basic elements of archery. The course will include a basic history of the sport along with the fundamental rules governing it. Safety precautions and the proper use, selection, and care of equipment is included. Emphasis is placed on the development of fundamental skills, knowledge, and appreciations.

**158. Bowling (1).**

A course designed to introduce the student to the basic elements of bowling. A basic history of the sport, etiquette, rules and scoring, selection and care of equipment, and styles of bowling are included. Emphasis is placed on fundamental skills, bowling hints, knowledge, and appreciations.

**159. Golf (1).**

A course designed to introduce the student to the basic elements in the game of golf. Included is a basic history of the game, course etiquette, selection and care of equipment, rules, and scoring of the game, and strategies of play. Emphasis will be placed on the use of various clubs along with the fundamental skills, knowledge, and appreciations.

**163. Beginning Tennis (1).**

A course designed to introduce the student to the basic elements in the game of tennis. The course includes a basic history of the game, court etiquette, selection and care of equipment, rules, and scoring of the game, and patterns of play. Emphasis is placed on the basic skills, knowledge, and appreciations.

**164. Intermediate Tennis. (1)**

A course designed to aid the student in continuing the development of a lifetime sports skill. The course includes instruction on the forehand and backhand strokes, the service, net play, special shots, patterns of play, strategies, and tournament play. A student should have considerable playing experience or have taken a beginning tennis course before registering for this course.

**172. Social and Square Dance (1).**

A course designed to present vigorous and challenging rhythmic activities in a co-educational situation emphasizing traditional and cultural relationships. Emphasis is placed on fundamental rhythm skills, knowledge, and appreciations.

**180. Softball and Volleyball (1).**

A course designed to introduce the student to the basic elements of the sports. Included are basic histories of the games, rules, offensive and defensive patterns of play. Emphasis is placed on the fundamental skills, knowledge, and appreciations.

### **Professional Theory Courses**

Men and women students minoring in health and physical education are expected to develop proficiencies in a minimum of five (5) sports skills. It is recommended that all professional students develop as many skill proficiencies as possible prior to graduation. To enhance teaching competency, these should be of a wide variety including individual, dual, and team sports and activities.

All minors are expected to take Human Anatomy and Physiology (BI 210) and Physical Science (PHS 100) as a pre-requisite to Kinesiology (HPE 315). They are also required to take Physical Science (PHS 101) as a pre-requisite to Kinesiology (HPE 315). The professional theory courses for the HPE Minor are as follows:

**119. Theory and Techniques of Teaching Individual and Dual Sports (5).**

A course designed to develop professional expertise in the organization and teaching of the individual and dual sports. Emphasis is placed on theory, methods, and effective techniques of teaching sport skills in tennis, golf, and archery. Evaluation of knowledge, skills, appreciations, and attitudes is stressed and the student is guided in the selection of appropriate tools of measurement. Students are assigned to master teachers and evaluated in laboratory experiences for partial fulfillment of the requirements of this course.

**122. Theory and Techniques of Teaching Team Sports (5).**

A course designed to develop professional expertise in the organization and teaching of team sports. Emphasis is placed on theory, methods, and effective techniques of teaching sports skills in field hockey, volleyball, softball, and football. Evaluation of knowledge, physical skills, appreciations, and attitudes is stressed and the students is guided in the selection of appropriate tools of measurement. Students are assigned to master teachers and evaluated in laboratory experiences for partial fulfillment of the requirements in this course.



**201. Foundations of Health, Physical Education, Recreation (5).**

An introductory course to orient the student to the field of health, physical education, and recreation. The course includes an overview of the history, principles, and philosophy of the profession. Emphasis is placed on concepts of learning and education, health and recreation education, athletics, professional organizations, professional literature, and physical education as a career.

**212. Teaching Physical Education in the Elementary School (5).**

A study of games of low organization and play activities suitable to each grade in the elementary school. The presentation of skills and devices necessary for competent instruction for elementary grades. Emphasis is placed on physical, neurological, and psychological factors as a base for determining appropriate activities. Methods of evaluation are included.

**295. School and Community Health (5).**

A course designed to analyze the purpose, principles, and philosophy pertaining to health in the school and community. Areas that receive emphasis include drugs, alcohol, tobacco, ecology, sex and human life. The student is presented opportunities to implement personal and community health improvements.

**315. Kinesiology (5).**

The Science of human movement. The study of human anatomy and basic principles are included. Emphasis is placed on mechanical principles and the relationship of human movement to body efficiency, aesthetics, and health.

**385. Principles of Recreation (5).**

A course designed to orient the student to the field of recreation and to guide him in establishing a philosophy of recreation and leisure. Emphasis is placed on planning and the development of recreation areas, facilities, and programs. Theories of play and the meaning of leisure are included along with public relations, financing, and liability.

**401. Organization and Administration of HPE (5).**

A course designed to present the various organizational and administrative structures, principles, and philosophies in the field of health, physical education, and recreation. The planning and construction of physical facilities is included.

**SECONDARY EDUCATION (SED)****405. Teaching in Secondary Schools (5). Pr., FED 320 and Admission to Professional Education.**

Required of all students in secondary education. Attention is given to instructional methods, the learning process, and evaluation of learning. Laboratory experiences are provided.



- 410. Program in Secondary School (5). Pr., FED 320 and Admission to Professional Education.**  
Required of all students in secondary education. Attention is given to the high school curriculum in the various academic fields. Laboratory experiences are provided.
- 425. Professional Internship in Secondary Education (10-15). Pr., Dept. Approval.**  
Students are placed in schools for supervised teaching experiences. Student must submit to the Coordinator of Laboratory Experiences Program an application for internship approved by his advisor. Deadlines for submission of applications are the following: Fall Quarter — May 30, Winter Quarter — September 30, Spring — January 30.

### Graduate Courses

- 646. Studies in Education (1-5). Pr., Graduate Standing.**  
Applies to one of the following areas of the secondary school program: (A) Art, (C) Theater, (D) Foreign Languages, (L) English Language Arts, (M) Mathematics, (J) Music, (S) Science, (O) Social Science, (SP) Speech Communication, and (N) Speech Pathology.
- 650. Seminar. (3-10)**  
May be repeated for credit not to exceed 10 hours.
- 651. L, M, S, O. Research Studies in Education in Areas of Specialization (5). Pr., Graduate Standing.**  
Review, analysis, and interpretation of available research with emphasis on designing new research to meet the changing needs of the school.
- 652. L, M, S, O. Curriculum and Teaching in Areas of Specialization (5). Pr., Dept. Approval.**  
A critical study of teaching practices and reappraisal of selecting experiences and content for curriculum improvement.
- 654. Evaluation of Program in Areas of Specialization (5). Pr., Dept. Approval.**  
Evaluation and investigation of teaching effectiveness with attention also given to the utilization of human and material resources and the coordination of areas of specialization with the total school program and with other education programs of the community.

### SPECIAL EDUCATION (SPE)

- 376. Survey of Exceptionalities. (5). Pr., FED 210, FED 214.**  
A survey of the various areas of exceptionality including the etiology, incidence, and philosophy of teaching the exceptional child.
- 459. Practicum in Special Education. (5). Pr., Senior Standing or Consent of Instructor.**  
Supervised field experiences of exceptionality.

**Courses Accepted for Graduate or Advanced Undergraduate Credit**

501. **Characteristics and Nature of Mental Retardation (5). Pr., Junior Standing.**  
Social, psychological and educational implications of mental retardation are considered including the interpretation of psychological tests.
551. **Workshop in Special Education (Driver Education for Teachers of Educable Mentally Retarded). (5).**
575. **Arts and Crafts for the Exceptional Child (5). Pr., Junior Standing.**  
The use of arts and crafts as an integral part of the total special education curriculum. Emphasis is on strategies to strengthen academic areas through the use of arts and crafts at various age and ability levels.
577. **Practices and Procedures in the Cooperative Program: Special Education, Vocational Rehabilitation and Vocational Education (5). Pr., Senior Standing or approval of instructor.**  
Overview of the various agencies concerned with the habilitation of the retarded and their roles in the education and training of the mentally retarded youth in the secondary schools.
578. **Methods and Materials for the Educable Mentally Retarded — Secondary Level (5). Pr., Senior Standing or approval of instructor.**  
An analysis and evaluation of vocationally-oriented teaching methods and materials appropriate for use in teaching the mentally retarded youth. Practice is provided in the development of materials and lab experiences are included.
579. **Methods and Materials for Teaching the Mentally Retarded (5). Pr., Senior Standing or approval of instructor.**  
An analysis and evaluation of teaching methods and materials appropriate for use in teaching the mentally retarded student. Laboratory experiences are included and practice is provided in the development of materials.
580. **Education of Children with Special Learning Disabilities (5), Junior Standing.**  
Existing theories and instructional programs for children with special learning disabilities. Administrative arrangements, classroom management, individual educational evaluation and programming are emphasized.
581. **Diagnostic/Prescriptive Approaches for Children with Learning Disabilities (5). Pr., SPE 580, Junior Standing.**  
Interpretation of psychological test results, administration of psychoeducational tests and design of informal tests for learning disabled children with emphasis on utilization of diagnostic information in the writing of individual educational prescriptions.
586. **The Severely Mentally Retarded (5). Pr., Junior Standing.**  
An indepth study of severe mental retardation with special emphasis on implications for the education and training of the severely retarded individual.



**Courses Accepted for Graduate Credit Only**

600. **Advanced Study of Exceptionality (5). Graduate Standing.**  
An advanced study of the various types of exceptionability with an emphasis upon the educational and training implications on each.
646. **D, R. (D) Learning Disabilities, (R) Mental Retardation Studies in Special Education (1-5). Pr., Graduate Standing.**  
Study of a special problem in area of exceptionality.
651. **D, R. (D) Learning Disabilities, (R) Mental Retardation Research Studies in Special Education (5). Pr., Graduate Standing.**  
Review, analysis and interpretation of available research in area of exceptionality.
652. **D, R. (D) Learning Disabilities, (R) Mental Retardation Curriculum and Teaching in Special Education (5). Pr., Graduate Standing.**  
A critical study of teaching practices and reappraisal of content for curriculum improvement in area of specialization.
659. **D, R. (D) Learning Disabilities, (R) Mental Retardation Advanced Practicum in Special Education (5-10). Pr., Graduate Standing.**  
Supervised field experiences in area of specialization.

**EDUCATIONAL ADMINISTRATION AND SUPERVISION (AED)****NOTE:**

*The Alabama State Department of Education requires applicants for the Superintendent-Principal Certificate to submit proof of 3 years' successful experience as a teacher or school administrator within five years immediately preceding the date the certificate is to bear.*

**Graduate Courses**

646. **Studies in Education (1-5). Pr., Department Approval.**  
Study of a special problem in administration, supervision, guidance or higher education using research techniques.
650. **Seminar in Area of Specialization (1-10). Pr., Department Approval.**  
Advanced graduate students and professors pursue cooperatively selected concepts and theoretical formulations.
670. **Fundamentals of Supervision (5). Pr., Department Approval.**  
Study of the supervisory process including such topics as the theoretical framework in which supervision takes place; the purpose, functions and processes of supervision; supervisory tasks and skills; and the methods of evaluating supervision.
671. **Advanced Educational Supervision (5). Pr., Department Approval.**  
The course will employ an issue-analysis approach to problems currently facing the public schools in general and supervision in particu-



lar. Concepts, trends, practices, innovations and theories of supervision will be examined in terms of insights gained from the behavioral sciences (psychology, sociology, social psychology, anthropology) political sciences and the humanities. A practicum will be provided with an emphasis on the application of concepts, principles and skills acquired in previous course work.

**681. Organization and Administration of Public Education (5). Department Approval.**

An introductory course designed for superintendents, principals, teachers and other educational leaders. Topics covered include: purposes of organization and administration; organization and administration on federal, state and local levels; financial support and accounting; operation of plant; school-community interaction, and personnel administration.

**682. The School Principalship (5). Pr., Department Approval.**

The purpose of this course is to assist the prospective principal in acquiring the technical, human, and conceptual skills necessary to function as a local school administrator. Emphasis is placed on the task areas of educational administration such as organization and structure, instructional program development, staff personnel, student personnel, community relations, physical facilities, and finance and business management. A practicum component provides students with supervised field experience in a school.

**683. The Leadership Role in Educational Administration and Supervision (5). Pr., Department Approval.**

A study of current theories, concepts and principles of leadership and their application to education. Further emphasis is placed on the responsibility of the educational administrator for leadership in the school and community, responsibility for leadership in the continuous improvement of staff competence and principles and evaluation of effective leadership.

**687. School Business Management (5). Pr., Department Approval.**

A course designed to assist school building administrators in acquiring knowledge relative to the procedures and practices in educational finance at the business or operational level. Attention is given to the responsibilities of building administrators in matters such as budget-making, purchasing and managing instructional resources, accounting for income and expenditures, operation and maintenance of school plants, and auxiliary services.

**688. School Finance (5). Pr., Department Approval.**

Relationships between educational finance, educational program, tax structures, foundation programs and internal accounting. Theories of public finance and economic principles relating to financial support of educational systems at the local, state and federal levels.

**691. Educational Plant Planning (5). Pr., Department Approval.**

Development of educational plants; relationships between curriculum and plant; trends in plant design; analysis of physical conditions, rela-

tionships of professional and lay personnel in educational plant planning.

**692. Constitutional Statutory and Judicial Foundations of Education (5). Pr., Department Approval.**

The constitutional and statutory provisions for education and an analysis of judicial decisions affecting education. Among topics are authority and responsibility of the teacher; rights, privileges and responsibilities of students; use of school property, taxation; curriculum, contracts and retirement provisions; contractual capacity and liability and transportation.

**693. Personnel Administration (5). Pr., Department Approval.**

Assists educational leaders with effective personnel administration and the quality of education. Research results and experimentation in morale, welfare, work loads, pupil accounting, and bases for salary determination as they relate to staff and pupil personnel.

### **COUNSELOR EDUCATION (CED)**

#### **Graduate Courses**

**622. Introduction to the Helping Services. (5). Pr., Department Approval.**

Basic course enabling students to develop a conceptual frame work for counseling and for learning facilitative skills basic to the process of helping. Overview and introduction to counseling professions. Experimental and didactic in nature.

**626. Career Theories. (5). Pr., or Department Approval.**

Overview of pertinent theories of career choice and development. Emphasis on developmental nature of career choices as they relate to personal and social factors.

**627. Problems in Guidance. (5). Pr., Department Approval.**

Designed to develop competency in the application of counseling theory and research findings, with special emphasis on educational problems.

**628. Counseling Theory and Practice I. (5). Pr., Department Approval.**

Designed to present alternative theoretical strategies of counseling; integrate the concepts of individual analysis and the collection and dissemination of educational and occupational information with those of counseling; prepare the student for further study of the theoretical and practical aspects of counseling.

**629. Counseling Theory and Practice II. (5). Pr., CED 628 and Department Approval.**

A continuation of CED 628 providing further insights into other theoretical formulations of counseling as well as some preliminary practical application under supervision.

**630. Group Dynamics in Counseling. (5). Pr., CED 628 and Department Approval.**

Basic course in understanding contemporary theories of group analysis,



concepts, etc. as it pertains to counseling. Provides an opportunity for actual participation in a group so that learning has a more personalized impact.

**631. Group Procedures in Counseling. (5). Pr., CED 630.**

Building on past experiences this course is intended to develop adequate skills for advanced graduate students in the application of group counseling. Emphasis on supervised training in leadership skills with appropriate clients.

**633. Analysis of the Individual. (5). Pr., Department Approval.**

The purpose of this course is to assist teachers and other guidance personnel in acquiring knowledge, understanding and skill necessary to obtain records and appraise information about the pupil as an individual and as a member of a group. Attention is given to the use of standardized test data; however, primary emphasis is placed on other tools and techniques for securing and analyzing information about pupils and their use in counseling.

**638. Information Services in Guidance and Counseling. (5). Pr., Department Approval.**

Designed to assist school counselors to develop an understanding of the individual appraisal service and its relationship to counseling; the educational and occupational information service and its relationship to counseling. Emphasis will be placed on the collection and use of information about and with students as well as on the techniques and resources available for implementing these services.

**640. Consultation Skills and Practices. (4-5). Pr., CED 628.**

Designed to assist counselors in the acquisition of skills necessary to conduct case conferences, report and utilize personal data, provide beneficial referrals and devise appropriate in-service personnel programs. Primary emphasis given to developing skills requisite to functioning as a leader in client/personnel team approach.

**646. Studies in Education. (1-5). Pr., Department Approval.**

Independent study in an area within the field of Guidance and Counseling. Area to be selected in consultation with the Professor who will supervise this study.

**650. Seminar in Guidance. (5). Pr., Permission of Instructor.**

Provides an opportunity for advanced graduate students and professors to pursue cooperatively selected concepts and theoretical formulations.

**656. Research and Evaluation in Counseling and Guidance. (5). Pr., Permission of Instructor.**

Designed to provide study and experience in measurement, appraisal, and evaluation of a broad range of objectives in counseling and guidance. Emphasis on criteria, techniques and research procedures necessary to evaluate guidance programs and outcomes.

**659. Practicum in Area of Specialization. (5). Pr., CED 631 or Department Approval.**

The practicum provides advanced graduate students with supervised



experiences with emphasis on the application of concepts, principles, and skills acquired in previous course work.

**660. Advanced Practicum in Area of Specialization. (5). Pr., CED 659.**

Provides advanced students with supervised experiences in personal and group counseling; opportunities for program implementation; further refinement of consultation skills; including supervision.



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## SCHOOL OF LIBERAL ARTS

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### STATEMENT OF OBJECTIVES

In keeping with the liberal arts tradition, the School of Liberal Arts provides the student a broad general education as well as the opportunity to acquire depth in a particular academic subject which he selects for a major. To do this, and to implement the objectives of Auburn University at Montgomery, the faculty of the School of Liberal Arts sets forth the following:

1. To provide a basic liberal arts education for the student before he begins advanced work in his specialty;
2. To offer a strong undergraduate program leading to the Bachelors Degree with majors in the liberal arts;
3. To develop graduate programs offering the Masters Degree in various disciplines to meet the changing needs of a dynamic society;
4. To conduct a broad program of public and private research for the general increase of knowledge in the humanities; and
5. To enrich the cultural life of the University and the community through programs in art, music, theatre, and literature.

### THE GENERAL CURRICULUM (LIBERAL ARTS)

The general curriculum is designed to broaden the student through the humanities and the natural and social sciences. It also serves as a base for the majors offered within the School of Liberal Arts. The student should consult his advisor in arranging a plan of study to include the following required general curriculum courses:

English Composition.....	10 hours
(EH 101 and 102)	
World History.....	10 hours
(HY 101 and 102)	
Mathematics or Logic.....	5 hours
(MH 100, 150, or 160, or other mathematics courses as recommended by advisor; or PH 203)	
Natural Science.....	10 hours
(BI 101, 102, 104, PHS 100, 101, 105, 110, or other natural and physical science courses as recommended by advisor)	
Literature.....	10 hours
(EH 253, 254, 257, 258, 260, or 261)	
Foreign Language.....	15 hours
or 10 hours of mathematics courses, including MH 267, and a 5 hour course in economics, geography, government, philosophy, or psychology.	

History.....	10 hours
(200 level courses or above)	
Sociology.....	10 hours
(SY 201 and either SY 202, 211, or 220)	
Speech.....	5 hours
(SP 202, 273, or 311)	
Art.....	5 hours
(AT 105, 301, 338, or 339)	

### Junior & Senior Years

During the junior and senior years, the student is to complete his major requirements of at least 35 hours, two minors of at least 15 hours each (or a double minor of at least 30 hours), and elective work to total 200 hours. ALL MAJOR AND MINOR COURSES MUST BE NUMBERED 200 OR ABOVE. No course which is a required course of the School of Liberal Arts may apply toward either a major or a minor.

### Total — 200 quarter hours

### Majors

A student undecided about a major may delay declaring one until the end of his fifth quarter. Before a major is declared, his curriculum will be identified by the symbol GCLA (General Curriculum-Liberal Arts). As soon as he is reasonably certain, however, he should declare his major and identify it by the appropriate departmental symbol.

AT — Art

EH — English

SP — Speech

HY — History

SY — Sociology

BGS — Bachelor of General Studies

### Minors

Students who choose one of the above majors will select two minors (minimum of 15 hours credit in each) or one double minor (minimum of 30 hours credit) from the following: Art, Biology, English, Foreign Language, Geography, Government, History, Journalism, Mathematics, Music, Philosophy, Psychology, Sociology, Speech, and related subjects in the Schools of Business and Education.

### Special Requirements for Majors and Minors<sup>1</sup>

Students in these majors should consult their advisors regularly to plan their major work, clear pre-requisites, and take major courses according to departmental schedule. A minimum of 35 hours is required in each major and 15 in each minor. All courses must be 200 or above.<sup>2</sup>

<sup>1</sup>Because some of the above majors require alignment of courses beginning in the Freshman and Sophomore years, it is important that the student be alert early in his college career to all of the requirements of his major which appear under Special Requirements for Majors.

<sup>2</sup>With the exception of courses in the art curriculum.



**THE ART MAJOR (AT).** The art major, in addition to 15 quarter hours of art at the 100 level, requires 35 quarter hours at the sophomore level or above; studio courses: 15 hours; art history: 10 hours; art appreciation: 5 hours; and art history or studio electives: 5 hours. Students electing a major-minor option in art may take the requisite hours enumerated above for a major in art, plus one 15 hour minor in art.<sup>3</sup>

**THE ENGLISH MAJOR (EH).** The following courses are required for the English major: EH 253, EH 254, and EH 257 or 258; 15 hours of a foreign language; an additional 5 hours of foreign language or EH 441; 5 hours of English or European history. In addition, 35 hours of English courses at the 300, 400, or 500 level are required. These must include: (a) EH 370; (b) At least one course in American Literature and 3 courses in British or Continental Literature; (c) One course each in the following literary periods: Medieval-Renaissance, 17th-18th centuries; 19th century; 20th century; (d) One course each in the following three genres: prose fiction; poetry; drama. (A single course may fulfill several requirements simultaneously).

**THE HISTORY MAJOR (HY).** Fifty hours of history are required above the World History 101 and 102 courses. The history major should consult the History Department each quarter of the junior and senior years regarding completion of his major and minor fields. The specific program is to include:

**Required Courses:**

- (1) HY 201 and 202 History of the United States (10 hours);
- (2) 10 hours of European History;
- (3) 5 hours from one of the three following areas: Far East, Latin America, or the British Empire and Commonwealth;
- (4) At least 20 of the 50 hours required for history majors should be at the 300, 400, and 500 level.

**THE SOCIOLOGY MAJOR (SY).** Fifty hours in sociology required, including SY 201, 211, 301 or 302, and 502 (see specific program outlined below). In addition, the sociology major may elect the following options (also outlined below): (1) major in sociology with an emphasis on social work; (2) major in sociology with an emphasis on corrections.

**SOCIOLOGY MAJOR — Minimum of 50 hours.**

**Required Courses:**

SY 201 Introduction to Sociology .....	5
SY 211 Cultural Anthropology .....	5
SY 301 or 302 Research & Methodology I or II .....	5
SY 502 Social Theory .....	5

**Electives:** 30 hours (no more than 10 hours should be selected from anthropology, archaeology, or social work courses).

<sup>3</sup>The art major may elect, in lieu of foreign language, 15 hours of Liberal Arts courses not required in the Liberal Arts general curriculum and not in his major field of study.

**MAJOR IN SOCIOLOGY WITH AN EMPHASIS IN SOCIAL WORK (50 HOURS)**

SY 201 Introduction to Sociology.....	5
SY 202 Social Problems.....	5
SY 211 Cultural Anthropology.....	5
SY 220 Introduction to Social Welfare.....	5
SY 221 Social Welfare: Policies & Services.....	5
SY 301 or 302 Research and Methodology I or II.....	5
SY 350 Social Work Methods I.....	5
SY 351 Social Work Methods II.....	5
SY 420 Child Welfare.....	5

Sociology Elective; (SY 320, 321, 340, 505, 510, or 530).

**MAJOR IN SOCIOLOGY WITH AN EMPHASIS IN CORRECTIONS (50 HOURS)**

SY 201 Introduction to Sociology.....	5
SY 202 Social Problems.....	5
SY 211 Cultural Anthropology.....	5
SY 302 Research and Methodology II.....	5
SY 320 Juvenile Delinquency.....	5
SY 321 Criminology.....	5
SY 322 Penology.....	5
SY 505 Urban Sociology.....	5
SY 530 Minority Groups.....	5

Sociology Elective (SY 220, 340, or 510). .... 5

**SPEECH MAJOR (SP).** Fifty-five hours in Speech are required, including SP 200, 201, 202, 204, 273, 311, and at least one course in the area of speech pathology. A speech major may emphasize Speech Communication, Speech Pathology, or Theatre. Under a major-minor option in speech, the student may elect to concentrate in one of these three areas. A fifteen-hour minor may then be taken in the speech area not selected as a major. Speech majors are also required to take EH 305. The divergent nature of the speech curriculum necessitates early consultation with the Speech and Theatre Department.

**MINORS IN LIBERAL ARTS**

**THE FOREIGN LANGUAGE MINOR (FL).** A minor will consist of 15 hours in one language beyond the general Liberal Arts requirement.

**THE GEOGRAPHY MINOR (GY).** A minor will consist of 15 hours of Geography at the 200 level or above.

**THE JOURNALISM MINOR (JM).** A minor will consist of 15 hours of Journalism at the 200 level or above.

**THE MUSIC MINOR (MU).** A minor will consist of 15 hours of Music at the 200-level or above. University Chorus may constitute up to 4 hours of credit for the minor.



THE PHILOSOPHY MINOR (PH). A minor will consist of 15 hours of Philosophy at the 200 level or above.

THE REGIONAL STUDIES MINOR (RS). This is an interdisciplinary minor which conjoins courses from the fields of history, English, sociology, and geography. A minor will consist of 15 hours, and a double minor of 30 hours, from the following courses: (1) HY 214, History of Alabama; (2) HY 513, The South to 1865; (3) EH 595, Southern Literature; (4) HY 414, The South Since 1865; (5) SY 530, Minority Groups; (6) SY 411, Regional Sociology; (7) GY 361, Geography of the South.

### BACHELOR OF GENERAL STUDIES DEGREE

The BGS Degree is designed primarily to serve the needs of the student who seeks an alternative to the traditional program of disciplinary majors and minors and also for the student who may have acquired academic credits in diverse curricula from other institutions or from military service schools.

The BGS Degree requires the same quality of academic endeavor as any other baccalaureate degree awarded by the university. The principal difference between this program and other baccalaureate programs is the absence of a disciplinary major and the uniqueness of the combined methods of study. Applicants should meet the same general requirements for admission to the university as other degree-seeking applicants.

The BGS Degree program is based on a curriculum of interdisciplinary, or liberal studies, which is divided into four study areas: Social Sciences, Natural Sciences/Mathematics, Humanities, and Complementary Area Studies.

### CURRICULUM REQUIREMENTS

1. The student is to satisfy the basic requirements of the "core" curriculum of the university: 10 hours of English Composition (EH 101 and 102); 10 hours of World History (HY 101 and 102); 10 hours of Natural Sciences; and 5 hours of Mathematics or Logic.

2. The remaining curriculum is divided into four parts, with the various fields clustered within these areas being as follows:

*Humanities:* includes fine arts, philosophy, journalism, speech, languages, and literature.

*Natural Sciences/Mathematics:* includes physical sciences, biological sciences, earth sciences, and mathematics.

*Social Sciences:* includes anthropology, history, government, psychology, geography, sociology, and economics.

*Complementary Areas:* allows for a wide diversity of courses in areas excluded by, but complementary to, the above three categories.



3. Systematic advising will be an integral part of the candidate's experience under the BGS program. The student and his advisor are to work out the balance and distribution of courses taken within these four areas. The option to concentrate in one academic discipline is offered under the BGS, provided the student has course work within the four study areas designated above.

4. Approximately sixty hours of the student's course work is to be beyond the 200 level. Therefore, the BGS student should insure that he has sufficient prerequisites in one or more areas to be eligible for advanced work.

5. As in the traditional baccalaureate programs at the university, the total number of hours required for graduation is 200.

### PRE-PROFESSIONAL OPPORTUNITIES

If a student is pursuing a pre-professional curriculum and wishes to receive a bachelor's degree from Auburn University at Montgomery, the student should consult the appropriate advisor before the end of the sophomore year to arrange a degree program.

### PRE-LAW (also designated in the School of Sciences)

Pre-law is not a pre-professional major at AUM. Students who plan to attend law school must first obtain a bachelor's degree, and this can be in any one of the majors in this catalog. Students are encouraged to major in one of the disciplines which the American Bar Association recommends as inculcating a broad cultural background, habits of intellectual curiosity and scholarship, the ability to organize materials and communicate the results, and verbal skills. A survey of Bench and Bar lists these majors in order of preference: English language and Literature, government, economics, American history, mathematics, English history, Latin, logic and scientific method, and philosophy.

Most law schools do not prescribe any particular curriculum of pre-law study, but normally require as a condition for admission that the applicant has successfully completed the following undergraduate work or its equivalent:

#### Quarter Hours

English Composition .....	10
English or American Literature .....	10
American History .....	10
Political Science (including U.S. Government) .....	10
Principles of Economics .....	10

Additional recommended courses are English language and literature, mathematics, English history, philosophy, psychology, sociology, foreign languages, criminal justice, accounting, and computer science. Since other requirements must be met, completion of these courses does not insure admission.

Interested students should examine the requirements of the specific law school which they wish to attend for identification of the needed curriculum.

The interdisciplinary Pre-Law Advisory Committee has been established to advise pre-law students until they select a major. Students are encouraged to select their major as early as possible but not later than the completion of their fifth academic quarter. After students select their major, the Pre-Law Advisory Committee will coordinate with the advisor in the selected major area to provide information and encourage course selections supporting the pre-law goal of the students. Students should contact the Dean of their particular school of interest for names and assignments of pre-law advisors.

### **URBAN STUDIES (US)** (also designated in the School of Sciences)

The Urban Studies option offers an undergraduate curriculum to meet the growing demand for students who can provide an interdisciplinary synthesis of urban problems. The Urban Studies topic areas are: economics, English, geography, government, history, psychology, and sociology.

To receive a baccalaureate degree in Urban Studies, a student must:

- (1) Complete the General Course Requirements outlined below.
- (2) Select one of the two alternatives noted below (A or B) and complete its course requirements.
  - (A) Forty five hours of Urban Studies courses (including GV 485, Research in Urban Studies), and eight additional five hour courses from at least four Urban Studies areas.
  - (B) Fifty five hours of Urban Studies courses (with GV 485 waived) including courses in at least five of the seven Urban Studies areas.
- (3) Complete the requirements for two fifteen-hour minors, one of which must come from the seven Urban Studies topical areas (above) or Regional Studies.

#### **Freshman Year**

<b>First Quarter</b>	<b>Second Quarter</b>
EH 101 English Composition . . . . 5	EH 102 English Composition . . . . 5
HY 101 World History . . . . . 5	HY 102 World History . . . . . 5
GV 101 American Government. . . 5	GV 102 Amer. State & Local Government. . . . . 5
—	Elective . . . . . 5
15	20

#### **Third Quarter**

MH 150 or MH 160 . . . . . 5
SY 201 Intro. to Sociology. . . . . 5
HY 201, HY 202 or PG 211. . . . . 5
Elective. . . . . 5
20

**Sophomore Year**

<b>First Quarter</b>		<b>Second Quarter</b>	
EH 305 Advanced Expository Writing.....	5	Natural Sciences.....	5
MH 267 Elementary Statistics.....	5	HY 201, HY 202, PG 211.....	5
HY 201, HY 202, PG 211.....	5	EC 201, Economics I.....	5
		Elective.....	5
	<hr/>		<hr/>
	15		20
<b>Third Quarter</b>			
Natural Sciences.....	5		
EC 202, Economics II.....	5		
Elective.....	5		
	<hr/>		
	15		

During the Junior and Senior years, the Urban Studies student will complete the required number of hours for the option, the two minors and elective work to total 200 hours. Students majoring in US should consult, on a quarterly basis, with their advisors in the Urban Studies Program.

**SPEECH AND HEARING CLINIC**

Operated by the Department of Speech and Theatre, the AUM Speech and Hearing Clinic is a comprehensive facility serving Central Alabama. Located on the first floor of the Liberal Arts Building, the Clinic provides complete diagnostic and therapeutic services to children and adults utilizing the latest equipment and techniques.

The Speech and Hearing Clinic benefits students in the area of Speech Pathology and Audiology by affording them practical experience in dealing with speech and hearing problems.

**THEATRE AT AUM**

The Department of Speech and Theatre produces four full-length plays each session. Auditions are open to all students, faculty, staff, and friends of AUM. Persons interested in working in theatre at AUM, either onstage or backstage, should contact the Head of the Department of Speech and Theatre.

**FOREIGN STUDIES CREDIT**

AUM will accept credits earned abroad by students enrolled in the summer programs offered by the American Institute for Foreign Study. Opportunity to participate in the AISF summer programs will be made available to AUM students. For further information, contact the Dean of the School of Liberal Arts.



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## DESCRIPTION OF COURSES

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### ART (AT)

- 105. **Drawing I (5).**  
Object drawing. Perspective. Line, light and dark. Charcoal, pencil, ink, etc.
- 106. **Drawing II (5). Pr., AT 105.**  
An extension of Drawing I, with emphasis on drawing volumes.
- 181. **Design I (5). Pr., None.**  
An exploration of the basic elements and principles of design as they pertain to drawing and painting. Limited color. Various media.
- 182. **Design II (5). Pr., None.**  
A study of the structure and some basic principles in the use of color.
- 198. **General Studio Art I (5). Pr., None.**  
A course for the non-art major. Exercises in drawing, design, and painting are employed by the instructor to meet individual needs.
- 205. **Drawing III (5). Pr., AT 106.**  
Emphasis on creativity. Various media used in compositional studies.
- 206. **Drawing IV (5). Pr., AT 106.**  
Figure Drawing.
- 222. **Painting I (5). Pr., AT 105, 181, and 182.**  
Painting in oil (and/or possibly other media) in abstract and representational modes.
- 223. **Painting II (5). Pr., AT 222.**  
A continuation of Painting I with optional media and subjects.
- 224. **Painting III (5). Pr., AT 222.**  
A continuation of the painting sequence.
- 225. **Painting IV (5). Pr., AT 222.**  
In exploration of various materials and techniques used in painting.
- 281. **Design III (5). Pr., AT 106, 181, and 182.**  
A consolidation of principles developed in Design I and II. Various media.
- 282. **Design IV (5). Pr., AT 281.**  
A continuation of the Design sequence.
- 298. **General Studio Art II (5). Pr., AT 198.**  
A continuation of AT 198.
- 301. **Art Appreciation I (5). Pr., None.**  
A look at some of the best drawing and painting of the past and present, with emphasis on developing the art of seeing.

338. **Art History I (5). Pr., None.**  
A survey of visual art from prehistoric times to the Renaissance.
339. **Art History II (5). Pr., AT 338.**  
The survey is continued from Renaissance times to the present.
350. **Individual Studio Work (5). Pr., Dept. Approval.**  
Work designed to meet the specific needs of individual students.
351. **Individual Studio Work (5). Pr., Dept. Approval.**  
An extension of AT 350.
542. **Public School Art (5). Pr., Junior Standing.**  
Materials and methods for the development of art activities in elementary and secondary schools.

#### ENGLISH (EH)

100. **Developmental English (5). Pr., None.**  
Elements of English grammar and composition for special writing deficiencies. The course may serve for elective credit but will not substitute for EH 101 or 102.
101. **English Composition (5). Pr., None.**  
The essentials of composition and rhetoric.
102. **English Composition (5). Pr., EH 101.**  
The essentials of composition and rhetoric. Study of various literary genres.
141. **Scientific Vocabulary (3). Pr., EH 102.**  
Prefixes, suffixes, and the more common root words of scientific terminology.
253. **Survey of English Literature (5). Pr., EH 102.**  
English literature from Beowulf through the Eighteenth Century.
254. **Survey of English Literature (5). Pr., EH 102.**  
English literature from the beginning of the Nineteenth Century to the present.
257. **Survey of American Literature (5). Pr., EH 102.**  
American literature from the beginning to 1860.
258. **Survey of American Literature (5). Pr., EH 102.**  
American literature from 1860 to the present.
260. **Survey of Literature of Western World<sup>1</sup> (5). Pr., EH 102.**  
The study of classical Greek and Roman, Medieval, and Renaissance literature.
261. **Survey of Literature of Western World<sup>1</sup> (5). Pr., EH 102.**  
The study of significant literary works of the Western World which

<sup>1</sup>EH 260 and EH 261 may be substituted for EH 253 and 254 in all curricula except that of the English major.

provide representative views of man in the Eighteenth, Nineteenth, and Twentieth Centuries.

- 301. Creative Writing (5). Pr., EH 102.**  
The writing and criticizing of short stories. However, the student may be permitted to write poetry, drama, or other forms of imaginative literature.
- 305. Advanced Expository Writing (5). Pr., EH 102.**  
The practice and theory of expository writing; the command of language for clear and forceful communication of ideas. Attention given to practical composition, including research writing and specialized documentation.
- 306. Business and Professional Writing (5). Pr., EH 102.**  
The essential skills of written communication in a business environment: report writing, letters, and other modes of business communication.
- 310. Contemporary Themes in Literature. Pr., Sophomore Standing.**  
The exploration of themes having modern day interest through an examination of their treatment in various literary works.
- 315. Special Topics in Literature. Pr., Sophomore Standing.**  
Focus to be announced at each scheduling of the course.
- 325. The Short Story (5). Pr., EH 102.**  
The development of the short story in America and Europe from the early Nineteenth Century to the present.
- 328. Literature Since 1950 (5). Pr., EH 102.**  
A study of contemporary fiction, poetry, and drama, the specific focus to be announced at each scheduling of the course.
- 330. Medieval Literature (5). Pr., EH 253 or permission of instructor.**  
A study of English Literature from the Old English Elegy through Morte D'Arthur.
- 335. Literature and Myth. Pr., Sophomore Standing.**  
A study of the sources and subsequent expressions of major archetypal myths in Western Literature.
- 370. Literary Criticism (5). Pr., Sophomore Standing.**  
Principles of literary criticism from Aristotle to the present time.
- 373. Major American Writers. Pr., Sophomore Standing.**  
Focus to be announced at each scheduling of the course.
- 405. Chaucer (5). Pr., EH 253 or permission of instructor.**  
A study of the major works of Geoffrey Chaucer in Middle English.
- 415. European Fiction (5). Pr., Sophomore Standing.**  
Selected works of six to ten important Nineteenth and Twentieth Century European writers such as Balzac, Flaubert, Zola, Camus, Mann, Pasternak, and Proust.



- 441. History of the English Language (5). Pr., Junior Standing.**  
The chronological development of the English language.
- 460. Poetry and Prose of the Seventeenth Century (5). Pr., Junior Standing.**  
The nondramatic literature of the seventeenth century with an emphasis on Milton, the Metaphysical poets, and the important prose writers.
- 493. American Novel I. Pr., Junior Standing.**  
The development of the American novel from the beginning to 1900.
- 494. American Novel II. Pr., Junior Standing.**  
The development of the American novel from 1900 to the present.
- 498-499. Readings for Honors (5-5). Pr., Junior Standing with a minimum of 2.0 over-all average, 2.5 average in at least five upper division English courses, and the consent of the English Department.**  
Individual reading programs in a specific period of phase of literature or language, as determined by the instructor and student.  
An honors essay and written examination are required.
- 550. Contemporary Poetry (5). Pr., Junior Standing.**  
The chief modern poets of England and America.
- 551. Shakespeare I (5). Pr., Junior Standing.**  
A study of the plays written before 1600, emphasizing comedies.
- 552. Shakespeare II (5). Pr., Junior Standing.**  
A study of the plays written after 1600, stressing tragedies.
- 556. The English Romantic Movement (5). Pr., Junior Standing.**  
Romantic poetry from Blake through Keats.
- 557. Victorian Poetry and Prose (5). Pr., Junior Standing.**  
The major poets and non-fiction writers from 1830 to 1890.
- 559. Poetry and Prose of the English Renaissance (5). Pr., Junior Standing.**  
The nondramatic literature of the Tudor Period.
- 561. Development of the English Drama (5). Pr., Junior Standing.**  
English drama, exclusive of Shakespeare, from the beginning to 1642.
- 562. Eighteenth Century Literature (5). Pr., Junior Standing.**  
Poetry and prose from Dryden through Cowper.
- 563. Restoration and Eighteenth Century Drama (5). Pr., Junior Standing.**  
A study of comedy and tragedy from Dryden through Sheridan.
- 581. British Novel I (5). Pr., Junior Standing.**  
The development of fiction from the Greek Romances through the novels of the 18th century, with emphasis on the British novelists of the 18th century.
- 582. British Novel II (5). Pr., Junior Standing.**  
The British novel from Jane Austen to Thomas Hardy.

- 583. British Novel III (5). Pr., Junior Standing.**  
A study of the major British novelists of the Twentieth Century.
- 591. American Poetry (5). Pr., Junior Standing.**  
Major American poets from the Colonial times to present.
- 592. American Drama (5). Pr., Junior Standing.**  
American dramatic and stage history from Colonial times to the present, with emphasis on developing tastes and techniques.
- 595. Southern Literature (5). Pr., Junior Standing.**  
Representative Southern writers from Colonial times to the present.
- 597. The Urban Novel (5). Pr., Junior Standing.**  
Focuses on novels which reflect the urban milieu and which treat themes significant to the complexities of urbanization and industrialization.

#### GRADUATE COURSES

- 654. Studies in Nineteenth Century English Literature (5).**  
A study of the major Victorian writers, and of trends and developments in English literature during the Nineteenth Century.
- 662. Studies in Twentieth Century Literature (5).**  
Studies in the major figures and genres of Twentieth Century British and American Literature. The specific topic will be announced at each scheduling of the course.
- 671. Studies in American Literature (5).**  
A study of the major American writers and genres. The specific focus will be announced at each scheduling of the course.

#### FOREIGN LANGUAGE (FL)

##### FRENCH

- 121. Elementary French I (5). Pr., None.**  
Training in the four language skills (aural comprehension, speaking, reading, writing) and a study of the grammar underlying the mastered corpus. Emphasis on aural-oral practice.
- 122. Elementary French II (5). Pr., FL 121 or equivalent.**  
A continuation of FL 121. The emphasis shifts progressively to reading and writing.
- 123. Elementary French III (5). Pr., FL 122 or equivalent.**  
A continuation of FL 122. Completion of the study of the grammatical core of French. Emphasis on the acquisition of vocabulary through reading and composition.

- 221. Intermediate French I (5). Pr., FL 123 or equivalent.**  
An introduction to French writers and authors. Works of moderate difficulty from classical and contemporary writers are read. Practice in speaking and writing continues. The grammar is reviewed.
- 222. Intermediate French II (5). Pr., FL 221 or equivalent.**  
A continuation of FL 221. Analysis of texts increases in depth. Practice in oral and written exposés.
- 223. Intermediate French III (5). Pr., FL 222 or equivalent.**  
A continuation of FL 222. Longer exposés are required. Introduction to stylistics begins. Study of advanced grammar.

### SPANISH

- 131. Elementary Spanish I (5). Pr., None.**  
Training in the four skills (aural comprehension, speaking, reading, writing) and a study of the grammar underlying the mastered corpus. Emphasis on aural-oral practice.
- 132. Elementary Spanish II (5). Pr., FL 131 or equivalent.**  
A continuation of FL 131. The emphasis shifts progressively to reading and writing.
- 133. Elementary Spanish III (5). Pr., FL 132 or equivalent.**  
A continuation of FL 132. Completion of the study of the grammatical core of Spanish. Emphasis on the acquisition of vocabulary through reading and composition.
- 231. Intermediate Spanish I (5). Pr., FL 133 or equivalent.**  
An introduction to Spanish writers and authors. Works of moderate difficulty from classical and contemporary writers are read. Practice in speaking and writing continues. The grammar is reviewed.
- 232. Intermediate Spanish II. (5). Pr., FL 231 or equivalent.**  
A continuation of FL 231. Analysis of texts increases in depth. Practice in oral and written exposés.
- 233. Intermediate Spanish III. (5). Pr., FL 232 or equivalent.**  
A continuation of FL 232. Longer exposes are required. Introduction to stylistics begins. Study of advanced grammar.
- 234. Survey of Spanish Literature (5). Pr., FL 133 or equivalent.**  
A survey of Spanish Literature from its beginning through the Golden Age.

### GEOGRAPHY (GY)

- 201. Principles of Physical Geography (5).**  
Systematic study of the basic physical elements of geography with emphasis on climate, lithology, landforms, water resources, soils, and natural vegetation.



- 211. Cultural Geography (5).**  
Analysis of the cultural landscape in both space and time with emphasis on a real differentiation, cultural types, population distribution, and land-use patterns. Includes an investigation of the major culture regions of the world.
- 221. Economic Geography (5).**  
Investigates the principles of economic geography through the interaction of man and his habitat with emphasis on economic types, food products, minerals, power resources, and trade patterns.
- 360. Historical Geography of the United States (5). Pr., GY 201 or 211.**  
A chronological study of changes in the cultural landscape of the United States with an emphasis on the development of man-made features of the present. (Same as HY 360).
- 361. Geography of the South (5). Pr., GY 201 or 211.**  
Detailed microregional survey of current developments in the Southeastern United States in the light of their physical, economic, and cultural background.
- 365. Geography of Anglo-America (5). Pr., GY 201 or GY 211.**  
The evolution and differentiation of geographic regions in Canada and the United States, attention being given to both biophysical and socioeconomic conditions.
- 420. Urban Geography (5). Pr., Junior Standing.**  
The location, character, and growth of urban centers, with special attention to their interior patterns of land use and cultural development.

### HISTORY (HY)

- 101. World History (5).**  
A survey of world civilization from prehistory to 1648.
- 102. World History (5).**  
A survey of world civilization from 1648 to the present.
- 201. A History of the United States (5).**  
A survey of the political, economic, social, and intellectual movements and institutions of the United States from Colonial period to 1865.
- 202. A History of the United States (5).**  
Continuation of survey of United States developments from 1865 to the present.
- 214. History of Alabama (5).**  
A survey of the social, political, and economic development of Alabama from the colonial era to the present.
- 250. A Cultural History of the Far East (5).**  
An introduction to various aspects of Far Eastern civilization focusing on China and Japan, and emphasizing social, literary, artistic, and economic development.

- 252. A Cultural History of Russia (5).**  
A topical approach to pre-Soviet Russian development that will emphasize selected aspects of Russian social, literary, artistic, economic, religious, and historical development.
- 271. English History I (5).**  
A survey primarily of political and constitutional developments in England from earliest times to 1688.
- 272. English History II (5).**  
A survey primarily of political and constitutional developments in Great Britain from 1688 to the present.
- 277. Economic History of the United States (5).**  
A survey of the economic history of the United States from the colonial era to the present.
- 300. Colonial Latin America (5).**  
From the conquest to the Wars of Independence. A survey of the European, American, and Aboriginal beginnings; political, economics, religious, and social institutions, and the causes of the independence movement.
- 301. Recent Latin America (5).**  
A survey of the Latin American nations from independence to the present; internal problems and progress; international relations.
- 304. Civil War and Reconstruction (5).**  
A study of the sectional struggle leading to the hostilities of 1861 and the political, military, economic, and social aspects of the Civil War and Reconstruction Eras.
- 326. Renaissance and Reformation History (5).**  
Study of Europe during the period of the Renaissance, the Protestant and Roman Catholic Reformations. Emphasis also placed on overseas expansion, the cultural, political, and economic developments from 1450-1648.
- 337. British Empire and Commonwealth (5).**  
A study of the origins and development of the British Empire and its evolution into the British Commonwealth of Nations.
- 360. Historical Geography of the United States (5).**  
A chronological study of changes in the cultural landscape of the United States with an emphasis on the development of man-made features of the present. (Same as GY 360).
- 406. United States History, 1877-1914. (5). Pr., Junior Standing or permission of instructor.**  
A study of United States history during the period designated.
- 407. United States History, 1914 to present (5). Pr., Junior Standing or permission of instructor.**  
A study of United States history during the period designated.

429. **French Revolution & Napoleon (5). Pr., Junior Standing or permission of instructor.**  
Study of Europe from 1789 to 1815. Emphasis placed on the forces and factors causing revolution and reaction.
450. **History of China Since 1911 (5). Pr., Junior Standing or permission of instructor.**  
A detailed history of modern China since the fall of the Ch'ing dynasty with emphasis placed on the displacement of Republican China and the development of Chinese Communism.
457. **History of the Soviet Union Since 1917 (5). Pr., Junior Standing or permission of instructor.**  
A detailed survey of Soviet history since 1917, emphasizing the growth and development of the Communist Party, the development of the Soviet form of government and economy, the Soviet involvement in world affairs, and the Soviet cultural scene.
509. **United States Diplomacy to 1890 (5). Pr., Junior Standing or permission of instructor.**  
Study of the principal events in the United States and relationships with foreign powers from 1776 to 1890.
510. **United States Diplomacy Since 1890 (5). Pr., Junior Standing or permission of instructor.**  
The emergence of the United States from hemispheric power to total involvement in world affairs.
511. **Social and Intellectual History of the United States to 1876 (5). Pr., Junior Standing or permission of instructor.**  
An analysis of the permanent patterns of ideas and emotions which have characterized the thinking and actions of Americans from the Colonial period to 1876.
512. **Social and Intellectual History of the United States since 1876, (5). Pr., Junior Standing or permission of instructor.**  
A study of those ideas and emotions which appear to have significantly influenced Americans since 1876.
513. **The South to 1865 (5). Pr., Junior Standing or permission of instructor.**  
The study of the origins, growth, and distinctive social, economic, cultural, and ideological patterns of the South from 1607 to 1865.
514. **The South Since 1865 (5). Pr., Junior Standing or permission of instructor.**  
Study of the major trends in the South since the Civil War emphasizing the social, economic, and political developments from 1865 to the present.
519. **Critical Issues in American History (5). Pr., Junior Standing or permission of instructor.**  
A study in depth of the significant political, economic, and foreign controversies which have influenced the development of the United States, 1607-1960's.



- 520. Critical Issues in European History (5). Pr., Junior Standing or permission of instructor.**  
A study in depth of selected political, economic, and foreign controversies which have influenced the development of Europe from 1650 to the present.
- 540. Readings in History (1-5). Honors Course, Pr., Junior Standing or permission of instructor.**  
Directed readings followed by oral and/or written report, discussions of authors, and evaluation and discussion of material with the director of the course. Areas in United States, Europe, Latin America, and Far East.
- 547. Social and Intellectual History of Modern Europe (5). Pr., Junior Standing or permission of instructor.**  
A study of the major ideas and social movements in Europe since 1815.
- 552. Mexico and the Caribbean Area Since 1820. (5). Pr., Junior Standing or permission of instructor.**  
An in-depth study of Mexico and the Caribbean nations as to their political, social, economic and intellectual development since 1820. Emphasis also will be placed on the diplomatic relationships with the United States.
- 575. Origin and Growth of Towns (5). Pr., Junior Standing or permission of instructor.**  
An investigation into the circumstances that led to the concentration of human habitation in urban areas and the effects that this had on the quality of human existence.
- 576. The Industrial Revolution (5). Pr., Junior Standing or permission of instructor.**  
A study of the development of industrialism in Europe and other parts of the world as a component of urban society.
- 577. Urban History of the United States (5). Pr., Junior Standing or permission of instructor.**  
A study of urbanization in the United States from the colonial period to the present.
- 580. Technology, Society and the Environment (5). Pr., Junior Standing or permission of instructor.**  
A study of contemporary social, technological, and environmental problems in historical perspective.

#### Graduate Courses

- 629. Historical Methods (5). Graduate Standing or departmental approval.**  
A survey of the problems, methods, and techniques of historical research including bibliography, documentation, and literary style.
- 639. Historiography (5). Pr., Graduate Standing or departmental approval.**  
A study of the major themes and interpretations presented by the leading historians.

**JOURNALISM (JM)**

- 220. Survey of Journalism (5). Pr., EH 101 and 102.**  
Introduction to mass communication, history and influence on modern society, with emphasis on the newspaper.
- 221. Introduction to Newswriting (5). Pr., JM 220.**  
Study and practice in newspaper techniques, including news stories features, sports and reviews.  
Supplemented by work on the college newspaper.
- 223. Reporting (5). Pr., JM 221.**  
Reporting and newsgathering fundamentals. Supplemented by work on the college newspaper.

**MUSIC (MU)**

- 101. University Chorus (2). Pr., None.**  
A performance group. Training and experience in choral music employing a wide variety of musical styles. May be repeated for credit.
- 201. Music Appreciation (5). Pr., None.**  
A study of composers, periods, and styles of music, with emphasis on developing an awareness of musical sound.
- 202. Music Aesthetics (3). Pr., None.**  
A stylistic comparison of selected music from 1750 to the present with other aesthetic areas, such as literature and art, from the same period.
- 250. History of Music I (5). Pr., MU 201 or permission of instructor.**  
Music to 1825. A study of the development of significant musical styles. Attention given to major composers and respective repertoire. Development of techniques for analytical and critical listening.
- 251. History of Music II (5). Pr., MU 250 or permission of instructor.**  
Music from 1825 to the present. A continuation of MU 250.

**PHILOSOPHY (PH)**

- 201. Introduction of Philosophy (5). Pr., None.**  
The nature of philosophical thinking; introduction to selected philosophic concepts and problems.
- 203. Logic (5). Pr., None.**  
An introduction to the principles of valid reasoning, with emphasis on the uses of language, the analysis and criticism of arguments, and the fundamentals of inductive and deductive inference.
- 213. History of Philosophy I (5). Pr., None.**  
A study of philosophy from the pre-Socratics through the Middle Ages.
- 215. History of Philosophy II (5). Pr., None.**  
A study of philosophy from Descartes to the present.

- 301. Twentieth Century Philosophy (5). Pr., Sophomore Standing.**  
A study of the important movements in Western philosophy in this century, including logical empiricism and phenomenology-existentialism.
- 310. Ethics (5). Pr., None.**  
An inquiry into types of ethical theories and concepts, and a critical examination of the philosophical problems which arise from them.
- 320. Comparative Religion. Pr., None.**  
A comparative study of the beliefs and cultural impact of the great Western religions: Judaism, Islamism, and Christianity.

### SOCIOLOGY (SY)

- 201. Introduction to Sociology (5).**  
An introduction to major sociological concepts, principles, and theories.
- 202. Social Problems (5).**  
A study of the nature of social deviance along with an analysis of major U.S. social problems. Among the problems considered are crime and juvenile delinquency, alcohol and drug abuse, aging, family disorganization, and overpopulation.
- 203. Courtship and Marriage (5).**  
A survey of the major factors and processes involved in dating, mate selection, engagement, and marriage. (This course is open to sociology majors and minors only with consent of the instructor.)
- 210. Principles of Physical Anthropology (5).**  
Introduction to human evolution and population genetics with emphasis on the interpretation of the fossil record, race development and classification, contemporary human population, and archaeological techniques.
- 211. Cultural Anthropology (5).**  
A study of the ways of life among preliterate and literate peoples. Special attention is given to a comparative analysis of preliterate societies throughout the world.
- 212. Introductory Archaeology (5). Pr., Sophomore Standing.**  
The history, principles, and methods for investigating and reconstructing past cultures.
- 220. Introduction to Social Welfare (5). Pr., SY 201 and Sophomore Standing.**  
A broad introductory course examining the social service agencies in the community and the programs they offer, with special emphasis devoted to career opportunities in the numerous fields of social work. Designed for potential social work majors, educators, lawyers, physicians and other human service professions interested in the fulfillment of human needs.



- 221. Social Welfare: Policies and Services (5). Pr., SY 220.**  
The philosophical and historical perspectives of social welfare services and social work practice. A critical and analytical understanding of social welfare programs, policies and issues. Designed for social work majors and others interested in human services.
- 301. Research and Methodology I (5). Pr., SY 201 and Junior Standing.**  
Introduces the philosophies of science underlying research into human behavior including the role of logic, the tasks of methodology, the nature of explanation, and other problems associated with the theory-data continuum. This course is the same as PG 301 and GV 301.
- 302. Research and Methodology II (5). Pr., SY 201 and Junior Standing.**  
Presents a variety of strategies for the gathering of data in the behavioral sciences. This course is the same as PG 302 and GV 302.
- 303. Research and Methodology III (5). Pr., SY 302.**  
Focuses upon the problems of inference in the analysis of data in the behavioral sciences. This course is the same as PG 303 and GV 303.
- 320. Juvenile Delinquency (5). Pr., SY 201**  
An analysis of the factors contributing to juvenile delinquency. Current treatment techniques and prevention policies are also considered.
- 321. Criminology (5). Pr., SY 201.**  
A study of the social foundations of criminal behavior, with special emphasis given to theories of criminality, law enforcement agencies and penal institutions.
- 322. Penology (5). Pr., SY 201.**  
The history of the development of correctional institutions and an analysis of current rehabilitative theories and techniques.
- 335. Social Psychology (5). Pr., SY 201 and MH 267. (MH 267 may be taken concurrently).**  
Analysis of social behavior. (Same as PG 335.)
- 340. Social Stratification (5). Pr., SY 201.**  
An introduction to the nature of social stratification. Includes a survey of theories of social stratification, techniques for studying stratification systems, and the consequences of social differentiation.
- 350. Social Work Methods I (5). Pr., SY 221 or consent of instructor.**  
A course introducing basic skills used by social workers in dealing with individuals and families. Such skills as professional communication, interviewing techniques, purposeful utilization of community resources, problem identification and the use of the problem solving model will be emphasized.
- 351. Social Work Methods II (5). Pr., SY 350.**  
A course introducing principles and methods used in working with groups, organizations and communities.
- 360. History of Social Thought (5). Pr., SY 201 and Junior Standing.**  
A historical study of the development of social thought. A survey of

major ideas and systems of thought, preceding the emergence of sociology.

**370. The North American Indian (5). Pr., SY 210, 211, or 212.**

A cultural survey of native America. Description of the specific features of representative Indian cultures. Cultural development and present-day problems and movements.

**371. Culture and Personality (5). Pr., SY 211, or PG 211.**

Sociocultural factors in personality development, including a survey of national character studies.

**372. Prehistory of North America (5). Pr., SY 212.**

Prehistory of North America, emphasizing peopling of the New World, earliest American Indian cultures, and later regional developments from Pleistocene times until European exploration and conquest.

**373. Old World Archaeology (5). Pr., SY 212.**

Prehistoric cultural sequences in selected areas of Eurasia and Africa and their respective contributions to cultural development. Attention given to archaeological developments, key discoveries, and pioneers in archaeological research from the 19th Century to modern times.

**411. Regional Sociology (5). Pr., SY 201 and Junior or Senior Standing.**

A study of the southern region of the United States, including an analysis of social organization, subcultures, intergroup relations, social problems, social stratification systems, ecological configurations, and population characteristics and trends.

**412. Public Opinion and Propaganda (5). Pr., Junior Standing.**

A study of public opinion in relation to social control and collective behavior. Special attention is given to the mass media, the public opinion process, and propaganda agencies and techniques.

**414. Field Instruction (5). Pr., Junior or Senior Standing and consent of instructor.**

Supplementary instruction concurrent with field experience in some field of work involving application of sociological perspectives to community life.

**420. Child Welfare (5). Pr., SY 351 or consent of instructor.**

An introduction to the field of child welfare, including programs, policies, problems and services. The casework principles and techniques for working with needy, neglected, abused or delinquent children are emphasized.

**498. Independent Study (1-5). Pr., Senior standing and consent of instructor.**

Independent reading and/or research in selected areas of sociology. Open to students with senior standing, and to other students with consent of the instructor.

**501. Population Problems (5). Pr., Junior or Senior standing.**

Problems of quantity and quality of population including problems of



composition distribution and migration. Attention is given to Alabama population.

502. **Social Theory (5). Pr., SY 201 and Junior or Senior Standing.**  
The development of sociological theory from the Nineteenth Century to the present.
503. **Cultural Change (5). Pr., SY 211 and Junior or Senior Standing.**  
Contemporary primitive, traditional and urban cultures, and recent research in cultural change.
504. **Sociology of Power (5). Pr., SY 201 and Junior or Senior Standing.**  
A systematic concern with the dimensions and distribution of power in social life.
505. **Urban Sociology (5). Pr., SY 201 and Junior or Senior Standing.**  
Growth and decline of cities with special emphasis on ecological demographic characteristics, associations and institutions, class systems, and housing and city planning.
507. **Sociological Analysis of American Society (5). Pr., SY 201 and Junior or Senior Standing.**  
An analysis of major American social institutions, including the family, religion, education, government, and the economy. Social organization, value and normative systems, population, social stratification, and social change are also considered.
508. **Industrial Sociology (5). Pr., SY 201 and Junior or Senior Standing.**  
The sociological approach to business organization and industrial relations. Emphasis given to organization principles operative in the economic life within a social system such as a factory or business establishment.
509. **Sociology of Religion (5). Pr., SY 201 and Junior or Senior Standing.**  
Analysis of religion as a social institution as found in the world's great religions.
510. **Sociology of the Family (5). Pr., SY 201 and Junior or Senior Standing.**  
An in depth analysis of family systems in the United States, including their structural features, internal dynamics, and current trends.
513. **Comparative Sociology (5). Pr., SY 201 and Junior or Senior Standing.**  
A comparative analysis of major social institutions in various regions of the world, including education, government, the family, religion, agriculture, and the economy. Population, social organization, social change, social stratification, and the role of the military are also considered.
530. **Minority Groups (5). Pr., SY 201 and Junior or Senior Standing.**  
Intergroup relations in the United States, with special emphasis given to the relationship between minority groups and groups representative of the dominant culture.
531. **Social Psychology (5). Pr., SY 201 and Junior or Senior Standing.**  
Major theoretical orientations and advanced research techniques in social psychology. (Same as PG 431.)



**Graduate Courses**

- 604. Seminar in Race and Culture (5). Pr., Consent of Advisor.**  
The adjustment of races to culture with particular reference to the South; the historical and cultural background of the races in America; bi-racial system; problems of race relations.
- 605. Sociology of Educational Leadership (4 or 5). Pr., Consent of Advisor.**  
An interdisciplinary perspective that applies sociological theories and principles to the development of educational leadership. Focuses on the social context of educational leadership, the sociological aspects of public education in American society, and educational leadership in the school setting.

**SPEECH AND THEATRE (SP)**

- 200. Survey of the Bases of Speech (5). Pr., None.**  
Acquaints the prospective speech major or minor with the fundamentals of speech, the historical, psychological, sociological and other bases.
- 201. Introduction to Oral Communications (5). Pr., None.**  
The nature, purposes and process of oral communication. Theories of languages, goals of various forms of oral communication are considered. Deviations from normal speech and special problems in communication are explored.
- 202. Applied Oral Communication (5). Pr., None.**  
To improve the efficiency and effectiveness of oral communication by covering the human organism as an oral communicator, the process of transmission and reception of information, the process of behavioral change and the responsibilities involved.
- 204. Survey of World Theatre (5). Pr., None.**  
A general introduction to theatre as an art form and to the development of drama.
- 210. Theatre Workshop (5). Pr., None.**  
Designed for those students who desire to participate in the dramatic productions of the quarter, either as actors or as technicians. May be repeated once for credit.
- 211. Theatre Practicum (1). Pr., Permission of Instructor.**  
For students selected by Faculty Directors for work in University Theatre activities. One hour's credit in any one field of theatre (acting, directing, technical production, design, or theatre management) in any one quarter. Work completed in this course must be exclusive of laboratory hours required in other theatre courses. May be repeated for a total of eight hours.
- 273. Group Problem Solving Through Discussion (5). Pr., None.**  
Group problem solving through discussion. The values and limitations of discussion, the prerequisites of reaching agreement, and a systematic approach to solving problems in group discussion. Leadership in problem solving.

- 300. Oral Interpretation (5). Pr., SP 202 or EH 102.**  
Basic techniques and application of oral interpretation in reading prose, poetry, and drama.
- 304. Introduction to Film (5). Pr., None.**  
Attention will be given to the order in which a film is made and the role of the script writer, cameraman, film editor, actor, and director. The work of major directors will be examined; selected films will be screened.
- 311. Public Speaking (5). Pr., SP 202 or consent of instructor.**  
Structure, style, and delivery of various types of speeches for different occasions. Theory and study of current examples combined with practice.
- 340. The Speech and Hearing Mechanism (5). Pr., None.**  
Anatomy and physiology of the speech and hearing mechanism.
- 355. Clinical Procedures in Speech (1-3). Pr., Junior Standing or permission of instructor.**  
Orientation and introduction to supervised clinical activity dealing with speech disorders. Clinical practice required. Course may be repeated for credit.
- 411. Persuasion (5). Pr., SP 311 or Junior Standing.**  
The study and application of the psychology of audience persuasion in interpersonal and public speaking situations.
- 414. The Development of Rhetorical Theory (5). Pr., Junior Standing or permission of instructor.**  
History of rhetorical theory from Classical times to the present, tracing major rhetorical trends and major contributions.
- 541. Phonetics (5). Pr., Junior Standing or permission of instructor.**  
Basic study of the sound system of the English language. Includes principles of sound production, phonetic transcription, and the acoustical basis of phonetics.
- 550. Principles of Speech Correction (5). Pr., Junior Standing or permission of instructor.**  
Basic principles underlying a speech correction program in a school setting. Description and discussion of speech disorders; surveys and identification techniques.
- 551. Speech Correction I (5). Pr., Junior Standing and consent of instructor.**  
The nature of the speech correction process with emphasis on disorders of articulation. Participation in clinic activities required.
- 552. Speech Correction II (5). Pr., Junior Standing and consent of instructor.**  
Continuation of SP 451 with emphasis on vocal disorders and disorders of rhythm. Participation in clinic activities required.

- 553. Speech Correction III: Language Development (5). Pr., Junior Standing and consent of instructor.**  
Emphasis on disorders of language development and symbolization. Participation in clinical activities required.
- 560. Introduction to Audiology (5). Pr., Junior Standing.**  
Principles of auditory reception, the hearing mechanism and the problems involved in measuring, evaluating, and conserving hearing.
- 598. Independent Study (1-5). Pr., Senior Standing and permission of instructor.**  
Independent reading and/or research in selected areas of Speech and Theatre.





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## SCHOOL OF SCIENCES

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### STATEMENT OF OBJECTIVES

In keeping with the liberal education tradition, the School of Sciences provides the student a broad general education as well as the opportunity to acquire depth in a particular academic subject which he selects for a major. To implement the objectives of Auburn University at Montgomery, the faculty of the School of Sciences sets forth the following:

1. To provide a basic liberal education for the student before he begins advanced work in his specialty.
2. To offer a strong undergraduate program leading to the Bachelors Degree with majors in the sciences and mathematics.
3. To provide a graduate program offering the Masters Degree in various disciplines to meet the changing needs of a dynamic society.
4. To conduct a broad program of public and private research for the general increase of knowledge in the sciences and mathematics.

### CURRICULUM AREAS

The School of Sciences offers four-year bachelor's degree programs in biology (see special options), government, mathematics, physical science, psychology, and urban studies.

Courses are available which will enable students to meet all pre-professional requirements in medicine, dentistry, nursing, pharmacy, veterinary medicine, law, and engineering. Pre-professional students desiring a degree from Auburn University at Montgomery should consult their advisors before the end of the sophomore year to arrange a program of study which will lead to a degree.

### THE GENERAL CURRICULUM (SCIENCES)

The general curriculum is designed for the student who has not decided on a major or pre-professional program.

(GCS)

First Quarter	Second Quarter
EH 101 English Composition . . . . . 5	EH 102 English Composition . . . . . 5
MH 150 College Algebra I or	HY 102 World History . . . . . 5
MH 160 Pre-Calc. and Trig. . . . . 5	*Science Elective . . . . . 5
HY 101 World History . . . . . 5	
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\*BI 101, CH 101, PS 210 or PS 211.

**Third Quarter**

GV 101 American Nat. Gov't. . . . .	5
EH 253 or EH 254 English Lit . . . . .	5
MH 267 Elementary Statistics . . . . .	5
*Science Elective. . . . .	5
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Not all these suggested courses need be taken in the order that they appear above. Check with an advisor for changes.

It is important that a student following the general curriculum decide upon a major or pre-professional program as soon as possible and before the end of the third quarter. Students in the School of Sciences who have not declared a major or pre-professional area should use the symbol GCS on registration forms. As soon as the student is reasonably certain of the area of study, this should be reported by the student to the School of Sciences. The appropriate symbol (i.e., PG for psychology majors) should then be used on all registration materials.

**Minors**

Many of the curricula require that the student select two minors (minimum of 15 hours each) or one double minor (minimum of 30 hours). Courses to be counted toward the completion of a minor must be 200 level or above and must not be used to meet other specific curriculum requirements. Exceptions to the 200 level or above rule are the courses MH 162, MH 163, CH 101, CH 102, and CH 103.

**PROFESSIONAL AND PRE-PROFESSIONAL OPPORTUNITIES**

If a student is pursuing a pre-professional curriculum and wishes to receive a bachelor's degree from AUM, the student should consult the appropriate advisor before the end of the sophomore year to arrange a degree program.

**PRE-MEDICAL, PRE-DENTAL AND PRE-OPTOMETRIC PROGRAMS (PM)**

Students should be aware of the specific requirements for the professional school which they intend to enter. It is important to take the subjects required for MCAT, DAT, or OCAT before the middle of the junior year. Normally, CH 101 and MH 160 should be taken during the first quarter and CH 101-2-3, MH 160-1-2-3, PS 210, 211 and 301, BI 101-2-3, CH 301-2-3, and

\*BI 101, CH 101, PS 210 or PS 211.



EH 101-2 should all be completed before the end of the sophomore year. Most professional schools also require ten hours of literature, genetics and developmental biology, and analytical and physical chemistry.

Because the competition for admission to professional schools is considerable, students should plan to graduate from Auburn University at Montgomery with a major in an area which would provide alternative career possibilities. As long as specific entrance requirements are met, any major is acceptable. It is not necessary to choose a major prior to the junior year.

Apart from a relatively high grade point average obtained from normal course loads, professional schools require that the student has shown a consistent superior performance over a considerable period of time. In particular, the University of Alabama strongly discourages students from withdrawing from courses or avoiding English or laboratory courses with equivalency examinations. It is unlikely that the Pre-Medical Committee at Auburn University at Montgomery would recommend any student for medical or dental school unless that individual had at least a 2.0 average or at least one academic year of very superior work prior to application. Students who fall significantly below this level at the end of the sophomore year should seriously consider another curriculum or accept a low chance of success.

On successful completion of the freshman year in a doctoral program in medicine, dentistry, or optometry up to forty hours of credit may be applied towards a baccalaureate degree at Auburn University at Montgomery subject to the approval of the Dean for the degree area involved. Although the Pre-Medical Committee at AUM will provide as much assistance as possible, the student must accept responsibility for meeting deadlines for applying for entrance to professional schools, taking admission tests at the required times, and actually finding a position in a professional school.

### PRE-NURSING (PNU)

Nursing schools are increasingly urging students to arrange course plans so as to be able to complete the baccalaureate program in nursing. Students should consult the catalogs of the accredited nursing schools of their choice for their particular pre-nursing requirements.

The following courses are representative of two-year pre-nursing requirements: BI 101, 201, 210, 211, 401; CH 101, 102, 103, 201, 210; EH 101, 102, 253, 254; GV 101; HY 101, 102; MH 150 or 160; PG 211, 212, 217; PHS 100; PS 210-211 and SY 201, 310.

### PRE-PHARMACY (PPH)

The curriculum in pre-pharmacy is designed to meet the requirements for admission to the Auburn University School of Pharmacy which is fully accredited by the American Council on Pharmaceutical Education. Complete information about the professional curriculum in pharmacy may be found in the **Auburn University Bulletin**.

To gain admission to the professional curriculum, a student must complete the basic two-year requirements below with a 1.0 (C) average or better and receive approval of his application for admission by the Admissions Committee of the School of Pharmacy.

Course	Quarter Hours
General Chemistry (101, 102, 103) .....	15
Organic Chemistry (301, 302) .....	10
Analytical Chemistry (201) .....	5
Physics (201, 211) .....	10
Mathematics (160 and 161) .....	10
Biology (101, 102, and 103) .....	15

Twenty additional hours should be selected from art, business, English, foreign language (no less than 10 hours.), history, mathematics, political science, psychology, sociology, and/or speech.

#### **PRE-VETERINARY MEDICINE (PVM)**

The following courses should be included in the program of those students who plan to pursue a degree in Veterinary Medicine:

Course	Quarter Hours
General Chemistry (101, 102, 103) .....	15
Organic Chemistry (301, 302) .....	10
Analytical Chemistry (201) .....	5
Physical Chemistry (410) .....	5
Physics (210, 211) .....	10
Biology (101, 102, 103) .....	15
Scientific Vocabulary (EH 141) .....	3
Genetics (BI 430) .....	5
Mathematics (160, 161) .....	10
English Composition (EH 101, 102) .....	10
World History (HY 101, 102) .....	10
American Government (GV 101) .....	5

**PRE-LAW (PL) (Also designated in the School of Liberal Arts)**

Pre-law is not a pre-professional major at AUM. Students who plan to attend law school must first obtain a bachelor's degree, and this can be in any one of the majors in this catalog. Students are encouraged to major in one of the disciplines which the American Bar Association recommends as inculcating a broad cultural background, habits of intellectual curiosity and scholarship, the ability to organize materials and communicate the results, and verbal skills. A survey of Bench and Bar lists these majors in order of preference: English language and literature, government, economics, American history, mathematics, English history, Latin, logic and scientific method, and philosophy.

Most law schools do not prescribe any particular curriculum of pre-law study, but normally require as a condition for admission that the applicant has successfully completed the following undergraduate work or its equivalent.

Course	Quarter Hours
English Composition (EH 101, 102) .....	10
English or American Literature (EH 253, 254, 357, 358) .....	10
American History (HY 201, 202) .....	10
Political Science (including U.S. Government (GV 101)) .....	10
Principles of Economics (EC 200, 202) .....	10

Additional recommended courses are English language and literature, mathematics, English history, philosophy, psychology sociology, foreign languages, criminal justice, accounting and computer science. Since other requirements must be met, completion of these courses does not insure admission.

Interested students should examine the requirements of the specific law school which they wish to attend for identification of the needed curriculum.

The interdisciplinary Pre-Law Advisory Committee has been established to advise pre-law students until they select a major. Students are encouraged to select their major as early as possible but not later than the completion of their fifth academic quarter. After students select their major, the Pre-Law Advisory Committee will coordinate with the advisor in the selected major area to provide information and encourage course selections supporting the pre-law goal of the students. Students should contact the Dean of their particular school of interest for names and assignments of pre-law advisors.



**PRE-ENGINEERING (PEN)**

A two year Engineering curriculum is available for those students who plan to pursue a degree in engineering. The pre-engineering and sophomore year of engineering are as follows:

**Three-Quarter Pre-Engineering Curriculum****First Quarter**

MH 161 An. Geom. & Cal I . . . . .	5
CH 101 Chemistry I . . . . .	5
EH 101 English Comp . . . . .	5
EN 102 Graph. Comm. & Design. . . . .	2

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 17
**Second Quarter**

MH 162 An. Geom. & Cal. 11. . . . .	5
CH 102 Chemistry II . . . . .	5
EH 102 English Comp . . . . .	5
PS 210 Physics I . . . . .	5

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 20
**Third Quarter**

MH 163 An. Geom. & Cal. III. . . . .	5
PS 211 Physics II . . . . .	5
HY 102 World History. . . . .	5
EN 107 Graph. Anal & Design. . . . .	2

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 17
**Engineering Sophomore Year****First Quarter**

MH 266 Linear Algebra. . . . .	5
PS 301 Physics III . . . . .	5
EN 205 Statics . . . . .	4
EN 202 Materials Sc. . . . .	3
HY 101 World History. . . . .	5

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 22
**Second Quarter**

MH 264 Anal Geo. & Calc. IV . . . . .	5
EN 321 Dynamics I . . . . .	4
EN 261 Linear Circuit Anal. I . . . . .	3
EC 201 Economics I . . . . .	5
EN 301 Thermodynamics . . . . .	4

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 21
**Third Quarter**

EN 207 Strength I . . . . .	3
EN 340 Fluids I . . . . .	3
EN 263 Linear Circuit Anal II . . . . .	4
MH 265 Diff. Equations. . . . .	5
PG 211 Psychology or SY 201 Sociology. . . . .	5

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**BIOLOGY MAJOR (BI)**

Students interested in biology as a major have four distinct options in planning their course work. The student who is likely to continue his studies in graduate school is advised to select the Biological Science Option. Two options are available for students interested in environmental matters. The Environmental Studies Option is for students desiring knowledge in the basic aspects of environmental situations, while permitting a broad selection of minors. The Environmental Technology Option is for students particularly interested in the technical aspects of environmental field and laboratory work. The Laboratory Technology Option is for those students pursuing a baccalaureate degree in preparation for laboratory positions in a variety of fields.

**Biological Science Option in Biology (BBS)****Freshman Year**

First Quarter	Second Quarter
CH 101 General Chemistry ..... 5	CH 102 General Chemistry ..... 5
MH 160 Pre. Calc. & Trig ..... 5	MH 161 Anal. Geom. & Calc ..... 5
BI 101 Prin. of Biology ..... 5	BI 103 Animal Biology ..... 5
—	—
15	15

**Third Quarter**

CH 103 General Chemistry ..... 5
EH 101 English Comp ..... 5
BI 102 Plant Biology ..... 5
—
15

**Sophomore Year**

First Quarter	Second Quarter
EH 102 English Comp ..... 5	EH 253 Surv. Eng. Lit. .... 5
PS 210 Gen. Physics I ..... 5	PS 211 Gen. Physics II ..... 5
Elective ..... 5	Elective ..... 5
	HY 101 World History ..... 5
—	—
15	20

**Third Quarter**

EH 254 Surv. Eng. Lit. .... 5
BI 301 Gen. Microbiology ..... 5
SY 201 Intro. to Sociology ..... 5
HY 102 World History ..... 5
—
20

**Junior Year**

<b>First Quarter</b>		<b>Second Quarter</b>	
CH 301 Organic Chem. I. ....	5	CH 302 Organic Chem. II. ....	5
PG 211 Psychology I. ....	5	PG 212 Psychology II. ....	5
BI 420 Ecology. ....	5	BI 430 Genetics. ....	5
FL I Foreign Language <sup>1</sup> or		FL II Foreign Language or	
EH 141 Sci. Vocab. ....	3-5	EH 305, Adv. Expos. Writing ..	5
	<hr/>		<hr/>
	18-20		20

**Third Quarter**

SP Speech Elective. ....	5
Elective. ....	5
FL III Foreign Language or	
MH 267, Elementary	
Statistics. ....	5
	<hr/>
	15

**Senior Year**

<b>First Quarter</b>		<b>Second Quarter</b>	
BI Biology Electives. ....	10	BI 595 Perspectives in Bio. ....	4
Electives. ....	5-10	BI 599 Seminar in Bio. ....	1
		Electives. ....	10
	<hr/>		<hr/>
	15-20		15

**Third Quarter**

BI Bio. Electives. ....	5-10
Electives. ....	5-10
	<hr/>
	10-20

Biology electives may be selected from courses in biology (200 level or above) as well as from the following: SY210, 370, 401 and 403. The electives should be selected in consultation with the student's advisor.

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<sup>1</sup>Students considering graduate school are urged to take a foreign language, usually French or German.



**Total 200 quarter hours**  
**Environment Studies Option In Biology (BES)**

**Freshman Year**

First Quarter	Second Quarter
BI 101 Prin. of Biology..... 5	BI 103 Animal Biology..... 5
EH 101 English Comp..... 5	EH 102 English Comp..... 5
HY 101 World History..... 5	MH 150 College Algebra or MH 160 Pre Calc. & Trig. .... 5
—	—
15	15

**Third Quarter**

BI 102 Plant Biology..... 5
PS 100 Physical Science..... 5
HY 102 World History..... 5
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15

**Sophomore Year**

First Quarter	Second Quarter
CH 101 General Chemistry..... 5	CH 210 Surv. of Organic Chemistry..... 5
BI 301 Gen. Microbiology..... 5	SY 201 Intro. to Sociology..... 5
GV 101 Amer. Natl. Gov't..... 5	GV 102 Amer. State & Local Gov't..... 5
—	—
15	15

**Third Quarter**

BI 220 Field Biology..... 5
BI 420 Ecology..... 5
MH 267 Elem. Statistics..... 5
EH 141, 305, 253 or 254..... 5
—
20

**Junior and Senior Years**

A minimum of 20 additional hours in biology courses (200 level or above) is necessary. Biology courses recommended are BI 525 and BI 450. Two minors or one double minor (see p. 113) must be selected. Suggested areas for minors are: Business Management, Communications, Economics, Political Science, History, Psychology and Sociology. Courses of particular application to environmental problems and changes that are suggested include: BI or PG 545; EC 200, 453, 460, 465; GV 330, 340, 351, 381, 505, 530; HY 360, 480, MN 450, 455, 460; PG 211, 212, 361A; and SY 202, 311, 401, 407.

**Total 200 quarter hours****Environmental Technology Option In Biology (BET)****Freshman Year****First Quarter**

CH 101 General Chemistry ..... 5  
 MH 150 College Algebra or  
 MH 160 Pre Calc. & Trig ..... 5  
 HY 101 World History ..... 5

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 15
**Second Quarter**

CH 102 General Chemistry ..... 5  
 BI 101 Prin. of Biology ..... 5  
 HY 102 World History ..... 5

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 15
**Third Quarter**

CH 103 General Chemistry ..... 5  
 BI 102 Plant Biology ..... 5  
 EH 101 English Comp ..... 5

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 15
**Sophomore Year****First Quarter**

CH 301 Organic Chem. I ..... 5  
 BI 301 Gen. Microbiology ..... 5  
 EH 102 English Comp. .... 5

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 15
**Second Quarter**

CH 302 Organic Chem. II ..... 5  
 BI 103 Animal Biology ..... 5  
 BI 310 Human Anat. & Phys .... 5

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 15
**Third Quarter**

CH 201 Analyt. Chemistry ..... 5  
 BI 311 Human Anat. & Phys .... 5  
 EH 141 Sci. Vocabulary ..... 3  
 MH 267 Elem. Statistics. .... 5

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 18
**Junior and Senior Years**

The major requires a minimum of 20 additional hours in biology. These hours should be selected from the following: BI 220, 401, 402, 420, 430, 535, 570, CH 430. It is suggested that the additional elective courses needed to meet the minimum of 200 quarter hours credit for graduation be selected from the following: PS 210, PS 211, HY 480, PG 211, PG 212, PG 361A, SY 201, SY 401.

**Total — 200 quarter hours****Laboratory Technology Option In Biology (BLT)****Freshman Year****First Quarter**

CH 101 General Chemistry ..... 5  
 MH 150 College Algebra or  
 MH 160 Pre. Calc. & Trig. .... 5  
 HY 101 World History ..... 5

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 15
**Second Quarter**

CH 102 General Chemistry ..... 5  
 BI 101 Prin. of Biology. .... 5  
 HY 102 World History ..... 5

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 15
**Third Quarter**

CH 103 General Chemistry ..... 5  
 BI 102 Plant Biology. .... 5  
 EH 101 English Comp ..... 5

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 15
**Sophomore Year****First Quarter**

CH 301 Organic Chem. I. .... 5  
 BI 103 Animal Biology. .... 5  
 EH 102 English Comp ..... 5

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 15
**Second Quarter**

CH 302 Organic Chem. II ..... 5  
 BI 301 Gen. Microbiology ..... 5  
 BI 310 Human Anat. & Phys .... 5

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 15
**Third Quarter**

CH 201 Analyt. Chemistry ..... 5  
 BI 311 Human Anat. & Phys .... 5  
 EH 141 Sci. Vocabulary ..... 3  
 MH 267 Elem. Statistics. .... 5

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 18
**Junior Year****First Quarter**

PS 210 General Physics I. .... 5  
 EH 305 Adv. Expos. Writing .... 5  
 MH 161 Anal. Geo. & Calc. I .... 5  
 Electives. .... 5

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 20
**Second Quarter**

PS 211 General Physics II ..... 5  
 PG 211 Psychology I ..... 5  
 Electives. .... 10

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 20
**Third Quarter**

CH 420 Biochemistry ..... 5  
 SP Speech Elective ..... 5  
 Electives. .... 10

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 20



### Senior Year

Fifty hours of credit toward a B.S. degree in Biology will be allowed upon satisfactory completion of twelve consecutive months of training at an accredited School of Medical Technology. Students may meet the regular requirements for a B.S. degree with a major in biology by completing the balance of courses necessary for 35 quarter hours in biology (200 level or above) and the electives needed to meet the total of 200 quarter hours credit required for graduation. SY 210, 370, 401 and 403 may be substituted for biology courses when completing the balance of the 35 major hours.

### ALABAMA MARINE ENVIRONMENTAL CONSORTIUM

The Dauphin Island Sea Lab represents Alabama's unique approach to education and research in the ocean. A group of 18 colleges and universities have pooled not only their financial resources but also their academic and intellectual resources to form one marine campus, where marine environmental sciences are taught and marine-oriented research is accomplished.

The objectives of the Marine Environmental Sciences Consortium are to:

Provide educational programs in marine and related sciences on both the graduate and undergraduate levels.

Promote and encourage pure and applied research in marine sciences and related areas.

Promote and encourage communication and dialogue among those interested in marine sciences and related areas through meetings and seminars.

Specific facilities available to the Consortium include: Dauphin Island Sea Lab, Point Aux Pins Marsh Lab, Hydrolab, and Bayou La Batre Vessel Facility, classrooms, over 1300 square feet of research space and 750 square feet of office space. The laboratories designated are ERTS lab, Ocean Science, Marine Vertebrates, Marine Invertebrates, Marine Geology, Marine Ecology, and Biochemistry. A scientific collection room is within easy access of laboratories and classrooms. Instrumentation available includes gas chromatograph, atomic absorption spectrophotometer, osmometer, centrifuge, Ro-Tap, sediment hydrometers, colorimeter, blenders, extraction apparatus, turbidimeter, microscopes, electrophoresis, balances, calculators, and the usual complement of laboratory materials. Field gear includes current meters, oxygen meter, plankton nets, corers, data buoys, water quality monitors, a variety of trawls and other nets for collecting, bottom grabs, photometer, refractometer, pH meter and a variety of water samplers.

The Sea Lab can accommodate 250 persons in residence; support facilities include an apartment building, two dormitories, and cafeteria, 13 three-bedroom family houses, and maintenance shops.

The academic schedule is: January Inter-term, May Inter-term, two Summer Sessions, September Pre-term, and a Fall term.

AUM is a member of the Consortium. Interested students should contact Dr. Eldon Cairns, Coordinator of Biology Programs.

### **Ocean Science**

An introduction to the marine environment, this course is designed to give beginning college students a full perspective of the major features of the oceanic realm and the relation of oceans to man. Lecture, laboratory, and field work are included. No prerequisites. Four semester hours — undergraduate credit.\*

### **Marine Biology**

A general survey of the invertebrates, vertebrates, and marine plants as communities with emphasis on local examples of these principal groups. Students will have an opportunity to examine marsh, estuarine, beach, dune, inlet and neritic habitats, and niches. Lectures, laboratory, and field work are included. Prerequisites: general biology and consent of instructor. Four semester hours — undergraduate credit.\*

### **Marine Invertebrate Zoology I**

A survey from Protozoa through Mollusca with emphasis on local forms. This study covers taxonomy, life cycles, ecology and evolution. Lecture, laboratory and field work are included. Students will have ample opportunity to acquire a collection of local fauna. Prerequisites: general biology and consent of instructor. Four semester hours — undergraduate and graduate credit.\*

### **Marine Invertebrate Zoology II**

This course is a continuation of Marine Invertebrate Zoology I. Annelida through the Protochordata will be studied in lecture, laboratory and field trips. Prerequisites: Marine Invertebrate Zoology I. Four semester hours — advanced undergraduate and graduate credit.\*

### **Marine Botany**

This course is a general survey of marine algae, vascular and nonvascular plants associated with marine environment. Distribution, identification, structure, ecology, and reproduction are considered. Prerequisites: general biology and consent of instructor. Four semester hours — advanced undergraduate and graduate credit.\*

### **Marine Geology**

Included in this course are sampling techniques, laboratory analysis of sediments, application of the research process to problems in identifying sedimentary environments, topography, sediments, and history of the world oceans. Marine geology is especially beneficial to biology students for an understanding of the sedimentary substrate on or in which a large percentage of marine organisms live. Lecture, laboratory, and field work are included. Prerequisites: physical geology and consent of instructor. Four semester hours — advanced undergraduate and graduate credit.\*

### **Marine Environmental Science**

Designed for teachers, but open to upperlevel undergraduate and graduate students. Basic principals of ecology, techniques of laboratory and field



studies, sources and control measures of pollution included. No prerequisites. Three semester hours — advanced undergraduate and graduate credit.\*

### **Marine Technical Methods I**

An introduction to instruments and procedures normally utilized aboard a marine research vessel. These include physical, biological, chemical, and geological parameter measurements and sample collection. Basic positioning and communication procedures are included. No prerequisites: Consent of instructor. Two semester hours — advanced undergraduate and graduate credit.

### **Marine Ecology**

Bioenergetics, community structure, population dynamics, predation, competition, and speciation in marine ecosystems are studied. Lecture and laboratory work are included, although considerable time is spent in field work. Students who have not previously had marine courses may enroll; however, Marine Invertebrate Zoology or Marine Biology are very helpful. This is an excellent course for engineers and other non-biologists interested in the marine environment because individual species are studied as they relate to ecological principles which they exemplify providing both a taxonomic and ecologic background. Prerequisites: general biology, general chemistry, general physics, and consent of instructor. Four semester hours — advanced undergraduate and graduate credit.\*

### **Marine Vertebrate Zoology**

A study of marine fishes, reptiles, and mammals, with an in-depth, comprehensive treatment of their systematics, zoogeography, and ecology. Lectures encompass a subject matter on a non-regional basis. Field and laboratory work stress the vertebrate fauna of the northern Gulf of Mexico. Most of the course is devoted to fishes. Students have an opportunity to assemble a collection of vertebrate species. Prerequisites: general biology and consent of instructor. Four semester hours — advanced undergraduate and graduate credit.\*

### **Coastal Ornithology**

Study of coastal and pelagic birds with emphasis on ecology, taxonomy and distribution. This course includes identification, population dynamics, and behavior of coastal birds and overnight trips to offshore islands. No prerequisites: Consent of instructor. Four semester hours — advanced undergraduate and graduate credit.

### **Introduction to Oceanography**

An introduction to the physics, chemistry, biology, and geology of the oceans. This is primarily for students at the graduate level, students preparing for graduate school, or those seriously intending to enter the marine sciences professionally. Prerequisites: college algebra, general physics, and general chemistry. Four semester hours — advanced undergraduate and graduate credit.



### **Marine Technical Methods II**

An introduction to the laboratory methodology associated with the usual chemical parameters of "nutrient analysis". The laboratory approach is pursued, shipboard and specific practical skills developed. No prerequisites; Consent of instructor. Two semester hours — advanced undergraduate and graduate credit.

### **Seminar**

A discussion of current research, scientific progress, and problems in the marine environment with equal participation by students, faculty, and visiting scientists. Students are not required to enroll in Seminar, but *must attend to qualify for credit in any other course*. One semester hour — undergraduate and graduate credit.

### **Research on Special Topics**

Students may enroll by special arrangement in any of the subjects listed. Prerequisites: Consent of instructor. Students should note which term they wish to take special topics in a particular subject. Only Marine Science Programs resident faculty will be available for special topics both terms. Other instructors will be available only in the time period listed for their respective courses. One to six semester hours — advanced undergraduate and graduate credit.

### **Master's Thesis and Doctoral Dissertations**

Members of the University of Alabama Marine Science Program resident staff on Dauphin Island will be available year round to Consortium students to supervise resident graduate research projects and conduct special topics courses in many areas of Marine Science. Contact the Consortium Executive Director for information.

## **Graduate Courses**

### **Oceanology of the Gulf of Mexico**

This course provides a detailed descriptive study of the Oceanology of the Gulf of Mexico and adjacent waters. The areas of study include the coastal zone, continental shelf and deep ocean. Prerequisites: Introduction to Oceanography and consent of instructor. Four semester hours — graduate credit.

### **Fishery Economics**

The physical and biological environment of commercial marine organisms and its effect on their distribution and natural fluctuations in abundance. Man's impact on populations through fishing and habitat alteration. Ecology and life history of major groups. Problems of managing the fishery resources through regulation, mariculture, and preservation of specialized habitats. Prerequisites: Consent of instructor. Four semester hours — graduate credit.

### **Benthic Community Structure**

This course focuses on patterns of benthic macroinvertebrate abundance and distribution along the Alabama coastline. Considerable field sampling, taxonomy and data analysis are included in lectures and labs. Major taxa such as polychaetes and crustaceans are emphasized. Prerequisites: Invertebrate zoology and consent of instructor. Four semester hours — graduate credit.\*

### **Physiology of Marine Animals**

An introduction to environmental adaptations of marine animals. Emphasis is placed on biochemical, osmotic, respiratory and temperature responses. Both invertebrates and fish are considered. Prerequisites: General biology, general physiology, organic chemistry (biochemistry desirable). Four semester hours — graduate credit.\*

### **Scientific Data Management**

The course exposes advanced undergraduate students to key techniques and principles in evaluating and expressing experimental data. Includes mapping, profiling, contouring, applied statistics and graphical and tabular representation of results. Does not substitute for basic statistics courses. No prerequisites. Two semester hours — graduate credit.

### **Marine Zoogeography**

A study of physical, chemical and biological factors influencing the distribution of marine organisms. Emphasis is placed on the importance of continents, open oceans and species competition on animal distribution. Special attention is given to zoogeographical patterns in the Gulf of Mexico, western North Atlantic and Caribbean regions. Prerequisites: 12 semester hours of biology and consent of instructor. Four semester hours — graduate credit.\*

### **Plankton**

The drifting organisms, with emphasis on marine phytoplankton and zooplankton, their systematics and ecology; and relationships to the economy of the nekton and benthos. Prerequisites: marine biology and consent of instructor. Four semester hours — graduate credit.\*

### **Seminar**

(To be held at the University of South Alabama). One semester hour — graduate credit.

### **Research on Special Topics**

Students may enroll by special arrangement in any of the subjects listed. Prerequisites: Consent of instructor. One to six semester hours — advanced undergraduate and graduate credit.

\*Lab fees



**CRIMINAL JUSTICE MAJOR (CJ)**

The undergraduate program in Criminal Justice offers the Bachelor of Science degree to the person seeking comprehensive education for a professional career in the Criminal Justice field. The pattern for this major provides for a broad academic preparation in both general education and advanced coursework of a specialized nature.

The program is designed for the student who, through screening based on evaluation of high school and previous college work, job experience, testing, and counselling, clearly demonstrates an aptitude and promise for a career within the structure of the Criminal Justice System.

Students transferring from a community college associate degree program which articulates with the Department of Criminal Justice Program at AUM, may transfer up to the equivalent of 40 quarter hours of Criminal Justice coursework, (general education courses completed at a community college may be substituted for those general education courses required in the AUM baccalaureate program).

The 40 quarter hours of lower division Criminal Justice coursework may be used as lower division electives, with one exception. If a community college Criminal Justice Program offers a course comparable to CJ 211, Survey of Criminal Justice Administration, it may be substituted and counted toward the major coursework requirement.

Students seeking the bachelor's degree in Criminal Justice must complete the following general education requirements:

Course	Hours
EH 101, EH 102, English Composition .....	10
EH 253 or EH 254, English Literature .....	5
MH 150, College Algebra I or.....	5
MH 160, Pre-Calc. and Trig.....	5
HY 101, HY 102, World History .....	5
GV 101, American Nat'l Gov't.....	5
MH 267, Elementary Statistics .....	5
Science Electives*.....	10
Total	50

\*BI 101, CH 101, PHS 100, or PHS 101, PHS 105, and PS 110

**COURSES REQUIRED OF ALL CRIMINAL JUSTICE MAJORS**

Course	Hours
CJ 211, Survey of Criminal Justice Administration.....	5
CJ 304, Criminal Justice: Ecology and Etiology .....	5
CJ 362, Substantive Criminal Law.....	5
CJ 521, Criminal Justice: Administrative Organization.....	5
Total	20

Plus PG 301, and PG 302 Research and Methodology ..... 10  
(Same as GV 301, 302, & SY 301, 302)



Within the Bachelor of Science degree in Criminal Justice, there are four options available to the undergraduate student: Law Enforcement Planning and Management; Corrections/Juvenile Justice; Security Administration; and, Criminal Law. The Bachelor of Science Degree, regardless of the option selected, requires a total of 200 quarter hours.

#### **LAW ENFORCEMENT PLANNING AND MANAGEMENT OPTION**

- CJ 312 Concepts of Investigation
- CJ 313 Basic Criminalistics
- CJ 363 Evidentiary Issues in the Legal Process
- CJ 490 Special Problems in Criminal Justice
- CJ 541 Concepts of Police Management

Plus 20 hours of upper division coursework outside the Department of Criminal Justice to be selected upon consultation with the student's faculty advisor.

#### **CORRECTIONS — JUVENILE JUSTICE OPTION**

- CJ 351 Corrections: Theory and Practice
- CJ 353 Alternatives to Incarceration
- CJ 354 The Juvenile Justice System
- CJ 554 Juvenile Justice Law
- CJ 555 Correctional Administration

Plus 20 hours of upper division coursework outside the Department of Criminal Justice to be selected upon consultation with the student's faculty advisor.

#### **SECURITY ADMINISTRATION OPTION**

- CJ 312 Concepts of Investigation
- CJ 316 Introduction to Security Administration,  
Either CJ 318, Physical Security *or*  
CJ 319, Personnel Security
- CJ 363 Evidentiary Issues in the Legal Process
- CJ 537 Concepts and Problems of Industrial Security

Plus 20 hours of upper division coursework outside the Department of Criminal Justice to be selected upon consultation with the student's faculty advisor.

#### **CRIMINAL LAW OPTION**

- CJ 361 Legal Bibliography and Advocacy Research
- CJ 363 Evidentiary Issues
- CJ 490 Special Problems in Criminal Justice
- CJ 554 Juvenile Justice Law or GV 460 — Constitutional Law
- CJ 564 Criminal Procedure

\*Plus 20 hours of upper division coursework outside the Department of Criminal Justice to be selected upon consultation with the student's faculty advisor.

GOVERNMENT PROGRAMS

The Government Programs at Auburn University at Montgomery provide the student with the opportunity to pursue coursework leading to a Bachelor of Science degree in Government. The undergraduate program is intended to provide a broad educational experience for persons interested in professional preparation for public service as well as advanced study.

In addition to the general undergraduate Government major, a Public Administration option is provided for students who wish to pursue specific courses designed to provide professional training for public service employment.

GOVERNMENT MAJOR (GV)

All Government majors will pursue a plan of study which will include the following required courses:

1. A broad core of lower division courses:	Hours
English Composition (EH 101, EH 102) .....	10
Any Literature Course .....	5
History (HY 101, HY 102, HY 202) .....	15
Sociology (SY 201) .....	5
Natural or Physical Sciences .....	10
Mathematics (MH 150 or 160, MH 267) .....	10
Psychology (PG 211 and PG 212 or PG 216) .....	10
Economics (EC 201, EC 202) .....	10
2. Government Courses required of all majors:	
GV 101 Constitutional Foundations of American Democracy .....	5
GV 102 Institutions of American State and National Government .....	5
GV 301 Research and Methodology I .....	5
GV 302 Research and Methodology II .....	5
Additional upper division government courses .....	35
3. A minor in a specific field of study .....	25
4. Electives .....	45

The recommended sequence for the required curriculum is:

Freshman Year	
First Quarter	Second Quarter
EH 101 English Composition I . . . 5	EH 102 English Composition II . . . 5
MH 150 College Math I or MH 160 Algebra and Trigonometry . . . 5	GV 102 Institutions of American State and National Government . . . . . 5
GV 101 Constitutional Foundations of American Democracy . . . . . 5	HY 101 World History I . . . . . 5
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**Third Quarter**

HY 102 World History II .....	5
MH 267 Elementary Statistics ...	5
SY 201 Introduction to Sociology	5
Natural Science .....	5
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	20

**Sophomore Year****First Quarter**

HY 202 History of U.S. ....	5
PG 211 Psychology I .....	5
GV 301 Research and Methodology I .....	5
	<hr/>
	15

**Second Quarter**

EC 201 Economics I .....	5
PG 212 Psychology II or PG 216 Personal and Social Adjustment .....	5
GV 302 Research and Methodology II .....	5
Any Literature Course .....	5
	<hr/>
	20

**Third Quarter**

Physical Science Elective .....	5
EC 202 Economics .....	5
Any Upper Division Govern- ment Course .....	5
Elective .....	5
	<hr/>
	20

**Junior and Senior Years**

In the Junior and Senior years, government majors should take the remaining hours of coursework in Government to fulfill the requirements of the major and should complete work for a minor consisting of 25 hours in a selected area chosen in consultation with the student's advisor.

The student may complete the remaining portion of the total 200 hours with electives. Highly recommended electives for Government majors are:

PH 203 Logic  
 HY 201 A History of the U.S. to 1865  
 SY 202 Social Problems  
 SY 405 Urban Sociology  
 PG 431 Social Psychology  
 MN 330, 331 Computer Programming Languages  
 ACF 201 and 202 Accounting  
 A course in Political Theory



### PUBLIC ADMINISTRATION OPTION

Students wishing to pursue a career in training for public employment may select a course of study providing for an option in Public Administration within the Government major. Students interested in the Public Administration option must meet the general requirements listed above for all Government majors, including the requirement for a 25 hour minor in one specific field of study. In addition, they should complete their Public Administration option by following the course requirements and options listed below:

- A. These five courses are required:
  - 1. GV 101 - Constitutional Foundations of American Democracy
  - 2. GV 102 - Institutions of American State and National Government
  - 3. GV 301 - Research and Methodology I
  - 4. GV 302 - Research and Methodology II
  - 5. GV 340 - Introduction to Public Administration
- B. The student should complete the Public Administration Option by taking six of these courses:
  - 1. GV 303 - Research and Methodology III
  - 2. GV 330 - Municipal Politics
  - 3. GV 350 - The American Chief Executive
  - 4. GV 351 - The Legislative Process
  - 5. GV 360 - The Judicial Process
  - 6. GV 380 - Introduction to Political Behavior
  - 7. GV 505 - Environmental Problems
  - 8. GV 530 - Metropolitan Problems
  - 9. GV 531 - Public Administration in State and Local Government
  - 10. GV 441 - Organization Theory
  - 11. GV 564 - Recruiting, Selecting, and Evaluating Personnel
  - 12. GV 345 - Public Budgeting
  - 13. GV 347 - Government Organizational Development
  - 14. GV 495 - Internship in Public Affairs

### TOTAL HOURS IN GOVERNMENT: 55 (including GV 101 and GV 102)

- C. Courses which are highly recommended as electives for students pursuing the Public Administration Option:
  - 1. ACF 201 and 202 - Accounting
  - 2. MN 330 and 331 - Computer Programming Languages
  - 3. A Course in Political Theory
  - 4. EC 465 - Public Finance

### MATHEMATICS MAJOR (MH)

The Mathematics Major is designed both for students who intend to continue their education with graduate work in mathematics or related fields and for students who will be seeking employment immediately after graduation. Many of the major-level courses are also intended for future teachers of mathematics.

The requirements for the major are designed to offer the student as much freedom as possible while assuring that he meets minimal requirements in

liberal education and professional standards in mathematics. Students interested in majoring in mathematics should be in frequent contact with departmental advisors; some upper level courses are offered only in alternate years, so careful scheduling of courses is essential.

More specifically, the requirements for the MH major are listed below, grouped into three categories:

General Requirements: EH 101-102, HY 101-102, MH 161-163.

Liberal Education Requirements: (Courses listed under general requirements may not be used to satisfy additional requirements.)

20 hours of courses chosen from biology, chemistry, physics, and physical science including either 1) both PS 210 and PS 211 or 2) CH 102.

15 hours of courses chosen from government, sociology, psychology, economics, geography, and history.

10 hours of one foreign language, French or German.

5 hours chosen from AT 301, AT 338, MU 201, PH 201, English (200 or above), or any foreign language (200 or above).

Two minors, each 15 hours at the 200 level or above (see pg. 113).

Courses counted elsewhere in this section may also be counted toward a minor. Chemistry or physics is recommended for one minor, but not required. Students who will be accepting employment immediately upon graduation should realize that experience in computer programming and data processing would be especially useful. Choice of minors must be approved by the student's advisor.

**Mathematics Requirements:** MH 264-265-266  
MH 331 and either MH 330 or MH 332  
MH 321 and either MH 320 or MH 322  
One elective at the 300 level or above

These are minimal requirements in mathematics; many students will want to include additional courses in their program. Students interested in graduate work should consider MH 322, 523, and 550; students seeking employment upon graduation should consider MH 560-561. A total of 200 hours is required for this degree.

Due to the desire for flexibility in scheduling, a suggested curriculum sequence is not shown for mathematics.

### PHYSICAL SCIENCE MAJOR (PHS)

The Physical Science Curriculum is designed for students who intend to continue studies in professional and graduate schools in the health sciences or in the applied physical sciences. Electives must include any additional prerequisite required for the specific program to be pursued after graduation from AUM. It is important that students enroll in MH 160 and CH 101 at the earliest possible opportunity.

English .....	25 hours
History .....	10 hours
Psychology .....	15 hours
Mathematics .....	25 hours
Physics .....	15 hours



Chemistry.....	45 hours
Biology and/or Foreign Language <sup>1</sup> .....	25 hours
Approved Electives <sup>2</sup> .....	40 hours
	<hr/>
	200 hours

### PSYCHOLOGY MAJOR (PG)

The Major will consist of 35 hours of psychology courses numbered 300 or above. The student electing a major in psychology has a choice of two options.

The General Experimental Option is recommended for students desiring to go on to graduate study; the student must complete PG 211, 212, and 217, at least 15 hours of experimental psychology with laboratories, and 15 hours of psychology courses at the 500 level, excluding PG 551, 552, and 553.

The Behavior Modification Option is recommended for students desiring employment after their undergraduate education; the student must complete PG 211, 212, and 216, 5 hours of experimental psychology, and the behavior modification sequence of 20 hours at the 500 level.

Recommended Sequence for Required Curriculum in General Experimental Option:

#### Freshman Year

First Quarter	Second Quarter
EH 101 English Comp. I ..... 5	EH 102 English Comp. II. .... 5
MH 150 College Algebra or	MH 161 Calculus I ..... 5
MH 160 Algebra & Trig. .... 5	HY 102 World History II. .... 5
HY 101 World History I ..... 5	
<hr/>	<hr/>
15	15

#### Third Quarter

EH 253 English Lit. I ..... 5
GV 101 American Gov't ..... 5
PG 211 Psychology I ..... 5
SY 201 Intro. to Sociology. .... 5
<hr/>
20

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<sup>1</sup>Students intending to proceed to graduate school will require at least ten hours of a foreign language.

<sup>2</sup>Credit will not be allowed for introductory courses in the physical sciences, BI 104, any math course below MH 159, or EH 100.



**Sophomore Year****First Quarter**

EH 254 English Lit. II or EH 141 Scientific Vocabulary . . . . .	5-3
PH 201 Intro Philosophy . . . . .	5
PG 212 Psychology II. . . . .	5
	<hr/>

15-13

**Second Quarter**

GV 102 State & Local Gov't . . . . .	5
MH 267 Elementary Statistics . . . . .	5
GY 201 or 211 Geography. . . . .	5
	<hr/>

15

**Third Quarter**

BI 101 Principles of Biology . . . . .	5
AT 301 Art Appreciation, MU 201 Music Appreciation, Philosophy, or Speech Course	5
PG 217 Developmental Psych . . . . .	5
Minor. . . . .	5
	<hr/>

20

**Junior Year****First Quarter**

BI Biology Course. . . . .	5
PHS 100 Intro Physical Science or PHS 101 Intro Chemistry . . . . .	5
PG 319 Foundations of Experimental Psych. . . . .	5
	<hr/>

15

**Second Quarter**

CH Chemistry Course or Physics Course . . . . .	5
*Minor . . . . .	5
PG Experimental Psychology Course. . . . .	5
	<hr/>

15

**Third Quarter**

**Research & Methodology I . . . . .	5
PG Experimental Psychology Course. . . . .	5
*Minor . . . . .	5
Elective. . . . .	5
	<hr/>

20

**Senior Year****First Quarter**

PG 500 Level Course. . . . .	5
**Research & Methodology II. . . . .	5
*Minor . . . . .	5
	<hr/>

15

**Second Quarter**

PG 500 level Course. . . . .	5
**Research & Methodology III . . . . .	5
*Minor . . . . .	5
	<hr/>

15

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\*Minors, two at 15 hours each; or one double minor at 30 hours (see p. 113).

\*\*Cross listed as PG, GV, CJ or SY 301, 302, and 303.

**Third Quarter**

PG 500 Level Course.....	5
*Minor .....	5
Electives.....	10
	<hr/>
	20

**Total 200 Hours**

Recommended Sequence for Required Curriculum in Behavior Modification Option:

**Freshman Year****First Quarter**

EH 101 English Comp. I .....	5
MH 150 College Algebra or	
MH 160 Algebra & Trig .....	5
HY 101 World History I .....	5
	<hr/>
	15

**Second Quarter**

EH 102 English Comp. II.....	5
MH 161 Calculus I .....	5
HY 102 World History II.....	5
	<hr/>
	15

**Third Quarter**

EH 253 English Lit. I .....	5
GV 101 American Gov't .....	5
PG 211 Psychology I.....	5
SY 201 Intro. to Sociology.....	5
	<hr/>
	20

**Sophomore Year****First Quarter**

EH 254 English Lit. II or	
EH 141 Scientific	
Vocabulary .....	5-3
PH 201 Intro. Philosophy.....	5
PG 212 Psychology II.....	5
	<hr/>
	15-13

**Second Quarter**

GV 102 State & Local Gov't .....	5
MH 267 Elementary Statistics ....	5
GY 201 or 211 Geography.....	5
	<hr/>
	15

**Third Quarter**

BI 101 Principles of Biology .....	5
AT 301 Art Appreciation,	
MU 201 Music Appreciation,	
Philosophy or Speech	
Course.....	5
PG 216 Pers. & Soc.	
Adjustment.....	5
*Minor.....	5
	<hr/>
	20

**Junior Year**

First Quarter		Second Quarter	
BI Biology Course.....	5	CH Chemistry Course or	
PHS 100 Intro Physical		PS Physics Course.....	5
Science or PHS 101		*Minor.....	5
Intro Chemistry.....	5	PG 549 Behavior Mod I.....	5
PG 319 Foundations of			
Experimental Psychology.....	5		
	<hr/>		<hr/>
	15		15

**Third Quarter**

**Research & Methodology I....	5
PG 551 Behavior	
Modification II.....	5
*Minor.....	5
Elective.....	5
	<hr/>
	20

**Senior Year**

First Quarter		Second Quarter	
PG 552 Behavior		PG 553 Behavior	
Modification III.....	5	Modification IV.....	5
**Research &		**Research &	
Methodology II.....	5	Methodology III.....	5
*Minor.....	5	*Minor.....	5
	<hr/>		<hr/>
	15		15

**Third Quarter**

PG Elective	
(300-400 level).....	5
*Minor.....	5
Electives.....	10
	<hr/>
	20

**Total 200 Hours**

\*Minors, two at 15 hours each; or one double minor at 30 hours (see p. 000).

\*\*Cross listed as PG, GV, or SY 301, 302, and 303.



**URBAN STUDIES (US)****Also designated in the School of Liberal Arts**

The Urban Studies option offers an undergraduate curriculum to meet the growing demand for students who can provide an interdisciplinary synthesis of urban problems. The Urban Studies topic areas are: Economics, English, Geography, Government, History, Psychology and Sociology.

To receive a baccalaureate degree in Urban Studies, a student must:

- (1) Complete the General Course Requirements outlined below.
- (2) Select one of the two alternatives noted below (A or B) and complete its course requirements.
  - (A) Forty-five hours of Urban Studies courses (including GV 485, Research in Urban Studies, and eight additional five-hour courses from at least four Urban Studies areas.
  - (B) Fifty-five hours of Urban Studies courses (with GV 485 waived) including courses in at least five of the seven Urban Studies areas.
- (3) Complete the requirements for two fifteen-hour minors Urban Studies, one of which must come from the seven Urban Studies topical areas (above) or Regional Studies.

**Freshman Year**

First Quarter	Second Quarter
EH 101 Eng. Comp. .... 5	EH 102 Eng. Comp. .... 5
HY 101 World History .... 5	HY 102 World History .... 5
GV 101 Am. Gov't .... 5	GV 102, Am. State & Local Gov't. .... 5
	Elective .... 5
15	20

**Third Quarter**

MH 150 or MH 160 .... 5
SY 201 Intro. to Sociology .... 5
HY 201, HY 202 or PG 211 .... 5
Elective. .... 5
20

**Sophomore Year**

First Quarter	Second Quarter
EH 305 Advanced Expository Writing. .... 5	Natural Sciences. .... 5
MH 267 Elem. Statistics. .... 5	HY 201, HY 202, PG 211 .... 5
HY 201, HY 202, PG 211 .... 5	EC 201 Economics I .... 5
	Elective .... 5
15	20

**Third Quarter**

Natural Sciences .....	5
EC 202 Economics II.....	5
Elective .....	5
	<hr/>
	15

During the Junior and Senior years, the Urban Studies option will complete the required number of hours for the option, the two minors and elective work to total 200 hours. Students majoring in Urban Studies should consult on a quarterly basis with their advisor in the Urban Studies Program.

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## DESCRIPTION OF COURSES

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### BIOLOGY (BI)

- 101. Principles of Biology (5). Lec. 4, Lab. 2.**  
Integrated principles of biology beginning with the structure and function of the cell followed by reproduction, heredity, and evolution.
- 102. Plant Biology (5). Lec. 4, Lab. 2, Pr., BI 101.**  
The morphology, physiology, relationships, distribution, and importance of plants.
- 103. Animal Biology (5). Lec. 4, Lab. 2, Pr., BI 101.**  
The morphology, physiology, relationships, distribution, and importance of animals.
- 104. Biology in Human Affairs (5). Lec. 5, Pr., BI 101.**  
Application of biological principles to an understanding of man as an organism and as a member of the ecosystem.
- 301. General Microbiology (5). Lec. 4, Lab. 4, Pr., BI 101 or departmental permission.**  
Fundamentals of microbiology including history, morphology, metabolism, identification, and distribution of bacteria, fungi, and viruses; also applications to industry and home sanitation, foods, and disease prevention in plants and animals.
- 310. Human Anatomy and Physiology I (5). Lec. 4, Lab. 4, Pr., BI 101.**  
An elementary course involving a study of the human body in relation to its functions. Includes the gross anatomy and sufficient microanatomy to serve as a foundation to the understanding of the basic mechanics and functions of the organs of the body.
- 311. Human Anatomy and Physiology II (5). Lec. 4, Lab. 4, Pr., departmental permission.**  
Anatomy and Physiology related to the nervous system and special senses; respiratory, digestive, urinary, endocrine, and reproductive system; and body fluids and electrolytes.
- 315. Plant Anatomy and Physiology (5). Lec. 4, Lab. 4, Lab. 4, Pr., BI 102 or departmental permission.**  
Anatomical structures and basic physiological processes of the higher plants.
- 320. Field Biology (5). Lec. 3, Lab. 6., Pr., Consent of Instructor.**  
An introductory study of the taxonomy, natural history, and ecology of plants and animals with emphasis on the relationships between organisms and their natural habitat. Field Trips will be made.
- 401. Medical Microbiology (5). Lec. 4, Lab. 3, Pr., BI 201.**  
Etiology, epidemiology, vector controls, identification and pathogenesis of microorganisms of medical importance to man.



402. **Parasitology (5). Lec. 4, Lab. 4, Pr., BI 103 or departmental permission.** Morphology, physiology, and ecology of parasites. Identification and life histories of representative parasitic protozoa, helminths, and arthropods.
403. **General Virology (5). Lec. 4., Lab. 4, Pr., BI 301, Junior Standing or departmental permission.** The molecular biology of bacterial, plant, and animal viruses; pathogenesis, diagnosis; and procedures for isolation, cultivation, and purification.
404. **General Mycology (5). Lec. 4, Lab. 4, Pr., BI 301 or departmental permission.** Morphology, physiology, and ecology of fungi. Identifications and life histories of representative free-living and parasitic groups.
407. **Immunology and Serology (5). Lec. 4, Lab. 4, Pr., BI 301 or 302. Organic and/or biochemistry recommended. Junior standing or departmental permission.** Immunobiology and immunochemistry of humoral and cellular mechanisms of immunity.
420. **Ecology (5). Lec. 4, Lab. 4, Pr., BI 102 or BI 103 or BI 104.** The dynamics of the environment accenting the description of the physical, chemical, and biological properties of local ecosystems giving special attention to integrative and homeostatic processes, energy flow, nutrient cycles, and disruptive phenomena. Field trips will be made.
424. **Microbial Ecology (5). Lec. 4, Lab. 4, Pr., BI 301 and Pr. or Coreq. BI 420 or departmental permission.** Studies of the actions of environmental factors upon the bacterial flora and of the actions of microbes upon their environments.
430. **Genetics (5). Lec. 4, Lab. 3, Pr., BI 101.** Basic general principles, theoretical basis for genetic systems. Lectures, discussions of modern areas of research and experiments will be intermixed to explain the operational theory of the gene.
436. **Histology (5). Lec. 4, Lab. 4, Pr. Junior Standing or departmental permission.** A study of the four basic tissues and the association of tissues into organs and organ systems in mammals.
440. **Vertebrate Physiology (5). Lec. 4, Lab. 4, Pr., Junior Standing or departmental permission.** Study of the physiological processes and specializations of vertebrates.
445. **Animal Behavior (5). Pr., Junior standing and 20 hours of biological science or departmental approval. (Same as PG 545)** Analysis of learned and unlearned animal behavior and its evolutionary development, integrating the contributions of ethological and behavioral approaches.

- 450. Freshwater Biology (5). Lec. 4, Lab. 4, Pr., BI 102 or BI 103 or departmental permission.**  
Taxonomy and environmental relationships of the biota of fresh-water habitats.
- 510. Developmental Biology (5). Lec. 4, Lab. 3, Pr., BI 102 or BI 103 or BI 104.**  
A consideration of descriptive and experimentally derived information on developmental events in various organisms, with emphasis on the mechanics by which organisms achieve an orderly progression of changes during their life cycles.
- 525. Pollution Ecology (5). Lec. 4, Lab. 4, Pr., consent of instructor.**  
Pollutant origins, actions, toxicities, methods of detection and removal, and effects on populations of organisms.
- 535. Cell Biology (5). Lec. 4, Lab. 3, Pr., BI 101.**  
Basic biological problems at the cellular level; a study of cell function in relation to structure. The generalized cell, the specialized cell, and the cell as an organism will be considered from the viewpoint of classical cytology and in terms of current biochemical, optical, and electron optical studies.
- 570. Microtechnique (5). Lec. 4, Lab. 4, Pr., departmental permission.**  
Methods of tissue preparation for the light microscope, including fixing, embedding, sectioning, general and cyto-chemical staining, and mounting. Smear and squash techniques. Introduction to optical microscopy, macro- and photomicrography.
- 595. Perspectives in Biology (4). Lec. 3, Lab. 3, Pr., 30 quarter hours of Biology courses.**  
Primarily for biology majors; will include a historical review of great works and concepts in biology and appraisal of current works and trends of major significance in biology. Laboratory will concentrate on examining and learning to use journals, abstracts, reference materials and other information retrieval sources.
- 598. Independent Study (1-5; may be repeated for a maximum of 5 hours). Pr., Junior standing and departmental permission.**  
For the superior student studying in biology. Library and/or practical experience in approved topics or projects to be completed with a term paper or report.
- 599. Seminar in Biology (1). Pr., Permission. Required of all majors; open to all minors.**  
Lectures, discussions, literature reviews by staff, students, and guest speakers.

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\*Undergraduate or graduate credit may be given for 500 level courses. All 500 level courses require as prerequisite twenty hours of work in a related field. The department in which the work is offered will determine the related field.



**CHEMISTRY (CH)**

- 101. General Chemistry I (5). Lec. 4, Lab. 3, Pr. or Coreq., MH 150, or 160, or 161.**  
A detailed study of chemical bonding and states of matter. Suitable for technical majors.
- 102. General Chemistry II (5). Lec. 4, Lab. 3, Pr., CH 101.**  
A study of factors influencing reaction rates, chemical equilibrium, electro-chemical reactions, and thermochemistry.
- 103. General Chemistry III (5). Lec. 4, Lab. 3, Pr., CH 102.**  
A study of the chemistry of important chemical elements plus elementary introductions to Organic Chemistry, Biochemistry, and Nuclear Chemistry.
- 201. Analytical Chemistry (5). Lec. 3, Lab. 6, Pr., CH 103.**  
Theory and application of volumetric and gravimetric quantitative analyses.
- 210. Survey of Organic Chemistry (5). Lec. 4, Lab. 3, Pr., CH 100 or 101.**  
A general survey course designed for pre-nursing and others requiring a brief introduction of organic chemistry.
- 301. Organic Chemistry I (5). Lec. 4, Lab. 3, Pr., CH 102.**  
A systematic study of important groups of aliphatic and aromatic compounds.
- 302. Organic Chemistry II (5). Lec. 4, Lab. 3, Pr., CH 301.**  
A detailed study of the more important functional groups in organic chemistry.
- 303. Organic Chemistry III (5). Lec. 4, Lab. 3, Pr., CH 302.**  
A continuation of CH 302 with major emphasis on polyfunctional molecules with a brief introduction to biochemical systems.
- 410. Physical Chemistry (5). Pr., 25 hours chemistry.**  
A study of kinetic phenomena which influence chemical reactions. Taught in Fall of even-numbered years.
- 411. Physical Chemistry II (5). Pr., 25 hours chemistry.**  
A study of chemical bonding and thermodynamics. Taught in Fall of odd-numbered years.
- 420. Biochemistry (5). Pr., CH 301.**  
A standard biochemistry course designed to meet the requirements of students in the health and biological sciences.
- 430. Instrumental Chemical Analysis (5). Lec. 3, Lab. 6, Pr., 25 hours of chemistry including CH 201.**  
The use of visible, ir, uv, and atomic absorption spectroscopy, gas chromatography and potentiometric methods of analysis.
- 498. Independent Study in Chemistry (1-5). Departmental approval required.**



**CRIMINAL JUSTICE (CJ)**

- 211. Survey of Criminal Justice Administration (5).**  
Philosophy and history of criminal justice administration; examination of criminal justice agencies operating as an interacting system from law enforcement agencies through the courts and into correctional components.
- 304. Criminal Justice: Ecology and Etiology (5).**  
Examination of social, political, economic, religious, and emotional characteristics of criminal justice problems; historical as well as systems perspective with a multidisciplinary approach.
- 312. Concepts of Investigation (5).**  
Examination of theories and practices of the investigative process in the criminal justice system; specific operational techniques; application of innovative techniques.
- 313. Basic Criminalistics (5).**  
The application of the knowledge of the physical and natural sciences to the administration of criminal justice. Includes probability; value and limitation of various types of physical evidence; basic processing techniques. Three hours lecture, three hours laboratory.
- 316. Introduction to Security Administration (5).**  
Survey of the scope of the security administration field in business, industry, and government; consideration of the problems and issues affecting the relationship between publicly funded law enforcement and the private sector.
- 318. Physical Security (5). Pr., CJ 316 or Permission of Instructor.**  
Physical protection of industrial, business, governmental and educational facilities; physical security requirements and standards, security surveys, theory of defense in depth; locks and locking devices, safes, vaults and countermeasures; intrusion devices and defense against methods of entry; sabotage and sabotage devices; planning related to physical facilities in terms of the security of inventory, personnel and documents.
- 319. Personnel Security (5). Pr., CJ 316 or Permission of Instructor.**  
Comprehensive study of security problems related to personnel; scope of personnel background investigations and utilization of investigative reports; problems involved in personnel clearances and effective utilization of non-clearable personnel; debriefing procedures of retired or dismissed personnel; selection, training and requirements of personnel used in personal protection of selected individuals; procedures, problems and concepts of personnel protection.
- 351. Corrections: Theory and Practice (5).**  
Examination of the historical development of corrections; its philosophical orientation; theories and practices, including the traditional and contemporary; institutional and non-institutional aspects.
- 353. Alternatives to Incarceration (5).**  
Problems in probation, pardons and parole are examined as to policies,

procedures, and feasibility. Relationship to community service organizations are examined.

**354. The Juvenile Justice System (5).**

History and development of traditional and current methods for responding to the needs of the juvenile offender. Process oriented approach to the roles of involved agencies with emphasis upon formal and informal treatment methods.

**361. Legal Bibliography and Advocacy Research (5).**

Detailed study of legal bibliography, law library research, case and text analysis resulting in the supervised production of legal memos and a legal brief.

**362. Substantive Criminal Law (5).**

Jurisprudential philosophy and case study of common law and statutory crimes; includes functions and development of substantive criminal law, elements of specific offenses; defenses.

**363. Evidently Issues in the Legal Process (5).**

Issues and problems of proof in civil and criminal trials, admissibility, examining witnesses, constitutional considerations, exclusionary rules.

**490. Special Topics in Criminal Justice. Pr. Senior Standing (5).**

In depth examination of specific topics in criminal justice of current interest.

**491. Directed Independent Study (1-10) Pr. Senior Standing.**

Independent Study into criminal justice problem issues and theories. Credit to be arranged.

**495. Criminal Justice Internship (1-10) Pr. CJ 211, CJ 304 and CJ 362.**

Supervised experience in an administrative setting which provides the opportunity to intergrate theory and practice in criminal justice agencies. Credit to be arranged.

**521.\* Criminal Justice: Administrative Organization (5). Pr. CJ 211.**

Functional and structural approaches to the study of Criminal Justice administration. Examination of traditional and innovative approaches in Criminal Justice organization with emphasis on the systems approach.

**537. Concepts and Problems of Industrial Security Pr. CJ 316 and CJ 521 or consent of instructor.**

Administrative and managerial aspects of the security field in both the public and private sector; consideration of unique security management problems arising from labor disputes, demonstration, civil disorders, and riots; white collar and organized crime; industrial espionage; management issues peculiar to organizations which operate under constraints imposed by federal and state regulatory agencies.

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\*Undergraduate or graduate credit may be given for 500 level courses. All 500 level courses require as prerequisite twenty hours of work in a related field. The department in which the work is offered will determine the related field.



- 541. Concepts of Police Management (5). Pr. 521 or consent of instructor.**  
Examination of the management of law enforcement organization in terms of administrative structure and process. Analyzes issues of program development and implementation in the provision of police service.
- 551. Criminal Justice: Planning and Analysis. Pr. CJ 211, CJ 521 or Graduate standing (5).**  
Develops knowledge and skills pertinent to the understanding and implementations of planning in the criminal justice systems; examination of techniques of data and analysis; use of PERT/CPM and VIA methods in criminal justice.
- 554. Juvenile Justice Law (5). Pr. CJ 354 or consent of instructor.**  
Historical and case oriented approach to the legal basis of individualized justice for children including early common law approaches, the child saving movement, the juvenile court era, and the modern challenge to the court by the constitutionalists.
- 555. Correctional Administration (5). Pr. CJ 351, CJ 521, or consent of instructor.**  
Application of basic principles of organization and administration to corrections. Relationship among functional components of an institution; innovative models in both institutional and non-institutional settings.
- 564. Criminal Procedure (5). Pr., CJ 362, CJ 363, or consent of instructor.**  
A study of the legal steps involved in the enforcement of criminal law and the fundamental principles necessary to a fair trial. Procedurally oriented discussion of arrest, extradition, jurisdiction and venue, preliminary examination, bail, the grand jury, indictment and information, arraignment, trial and review, probation, parole, and pardon.

#### Graduate Courses

- 622. Criminal Justice Information Systems (5).**  
Study of information systems relating to the criminal justice system. Familiarization with data processing technology in organizational planning, and crime prevention and apprehension programs.
- 631. Criminal Justice: Administrative Issues (5).**  
Examines critical public policy issues relating to the administration of justice in terms of society's interest. Implications of interagency relationships at all levels of government.
- 632. Public Safety in Contemporary America (5).**  
Focus on the impact of social change on the criminal justice process; community involvement in the control and prevention of crime in an urbanized society.
- 642. Concepts of Correctional Administration (5).**  
Examines administrative organization and management practices in correctional agencies, including probation and parole. Reviews impact of legal and social change on correctional policy development.



- 643. Administration of Community Based Correction (5).**  
Examines the process of planning community based correctional programs. Administrative and political consideration in seeking to introduce innovative correctional programs involving the community and criminal justice agencies are reviewed.
- 655. Trends in Police Administration (5).**  
Reviews administrative structure, management practices, and operational aspects of enforcement agencies in the criminal justice system. Analysis and evaluation of innovative programs, and the impact of science and technology.
- 656. Special Problems in Police Administration (5).**  
Examination of specific problem areas in the administration of laws enforcement agencies, providing an opportunity for comprehensive analysis and critique of the problem.
- 661. Juvenile Delinquency: Prevention and Control (5).**  
Examination of major hypotheses and developments in the prevention and control of delinquent juvenile behavior. Review of recent legislation, evaluation of traditional and innovative programs involving all functional components of the criminal justice system, and the community.
- 685. Legal Dimensions of Criminal Justice (5).**  
A review of recent and contemporary legal issues related to the administration of criminal justice with emphasis on those which have been more clearly defined in the last half of this century. Examines in depth, the implications of substantive criminal law and procedure for the management of functional organizational components of the criminal justice system.
- 690. Special Topics in Criminal Justice (5).**  
Advanced study into special criminal justice topics of current interest. Topics changed for each quarter offered.
- 691. Directed Research (5).**  
Independent Research into criminal justice problem issues and theories. (1-10) Credit to be arranged.
- 695. Criminal Justice Internship (1-10).**  
Supervised experience in an administrative setting which provides the opportunity to integrate theory and practice in criminal justice agencies. Credit to be arranged.
- 696. Applied Statistics in Criminal Justice (5).**  
Philosophy underlying use and application of statistics in criminal justice and public safety. Descriptive statistics; graphic and numerical measures of central tendency and dispersion, including correlation. Inductive statistics; interval scale data including regression and differences between means. Non-parametric techniques; contingency tables, ordinal data techniques. Emphasis on development of operational definitions and hypotheses, testing, and realistic application of results.

**697. Criminal Justice Research Methodology (5).**

Underlying philosophy of research in criminal justice and public safety. Techniques of sampling, measurement, data collection, experimental design and variance control. Emphasis on operational, empirical, and quantitative approach to problem solving in Criminal Justice. Review of recent and current research in Criminal Justice from methodological and substantive aspects.

**ENGINEERING (EN)****102. Graphical Communication and Design (2). Lab 6.**

Fundamental aspects of projective geometry and graphical techniques as an aid to spatial visualization and communications in design. Emphasis on sketching, multiviews, graphical conventions, geometry, dimensions and symbols.

**107. Graphical Analysis and Design (2). Lab 6. Pr. EN 102.**

Principle of orthographic projection and application in solving engineering problems relating to vectors, contours, intersections and developmental problems.

**202. Engineering Materials Science-Structure (3). Pr., CH 101.**

Theories and structures of crystalline and amorphous materials. Bonding, crystal classes, phase equilibrium relationships, diffusion and phase transformations.

**205. Applied Mechanics-Statics (4). Coreq., MH 264 and PS 210.**

Resolution and composition of forces; equilibrium of force systems; friction; second moments.

**207. Strength of Materials I (3). Pr., EN 205 and MH 264, Coreq., MH 265.**

Fundamentals of stress and strain; stress-strain relations; temperature effects; bar with axial force; thinwall cylinders; torsion.

**261. Linear Circuit Analysis I (3). Coreq., PS 301, MH 265.**

Basic laws and concepts; resistive circuits, systems of linear equations, R-L and R-C circuits.

**263. Linear Circuit Analysis II (4). Pr., EN 261.**

Sinusoidal forcing functions and phasors; steady-state response, average power and RMS values, polyphase circuits, Fourier analysis, and magnetically coupled circuits.

**301. Thermodynamics I (4). Pr., PS 210, MH 163.**

Laws of thermodynamics; energy transformations; properties and relationships among properties; equations of state and simple processes and cycles.

**321. Dynamics I (4). Pr., EN 205, Coreq. MH 265.**

Kinematics of points, lines and rigid bodies; relative motion and coordinate transformations; kinetics; conservation of energy and momentum.



- 340. Fluids I (3). Pr., EN 301 and EN 321, Coreq., EN 207.**  
Fluid properties; fluid statics; fluid kinematics; integral forms of conservation laws — application to exterior and interior flows; dimensional analysis.

### GOVERNMENT (GV)

- 101. Constitutional Foundations of American Democracy — The Citizen and Politics in American Society (5).**  
A study of the constitutional setting of American national and state government, including the major mechanisms by which government makes itself responsive to American citizens and the ways citizens use these mechanisms. Includes an examination of Federalism, Political Behavior, Political Parties, and Interest Groups.
- 102. Institutions of American State and National Government (5).**  
A comparative study of the legislative, executive, and judicial processes, civil liberties, the bureaucracy, and selected policy areas, with special emphasis on policies generating conflict between national and state government.
- 301. Research and Methodology I (5). Pr., Sophomore Standing.**  
Introduces the philosophies of science underlying research into human behavior including the role of logic, the tasks of methodology, the nature of explanation, and other problems associated with the theory-data continuum. Same as PG 301 and SY 301.
- 302. Research and Methodology II (5). Pr., Sophomore Standing.**  
Presents a variety of strategies for the gathering of data in the behavioral sciences. Same as PG 302 and SY 302.
- 303. Research and Methodology III (5). Pr., Sophomore Standing.**  
Focuses upon the problems of inference in data analysis. Same as PG 303 and SY 303.
- 320. Introduction to International Relations (5). Pr., Sophomore Standing.**  
The study of the factors that influence the interactions of nations with illustrative case studies.
- 321. Introduction to Comparative Government (5). Pr., Sophomore Standing.**  
Analyzes the political processes of several major nations such as Great Britain, France, Germany, and the Soviet Union.
- 322. American Foreign Policy (5). Pr., Sophomore Standing.**  
Examines the forces that influence the formulation and execution of American foreign policy with illustrative case studies.
- 330. Municipal Politics (5). Pr., GV 101 and GV 102.**  
Surveys the processes and functions of city government.
- 340. Introduction to Public Administration (5). Pr., GV 101.**  
Surveys administrative processes, including organizational behavior, leadership, decision making, and policy formulation.



- 345. Public Budgeting (5). Pr., GV 101 or GV 102.**  
Covers executive budget formulation including planning, programming, and budgeting systems, and the politics of executive-legislative relations in the budgetary process.
- 347. Government Organizational Development (5). Pr., GV 101, GV 102, and GV 340.**  
Focuses on planned, systematic processes by which behavioral science principles are introduced into an ongoing organization with the objective of effecting greater organizational effectiveness.
- 350. The American Chief Executive (5). Pr. GV 101 and GV 102.**  
Surveys the development and operation of the American Presidency and state gubernatorial offices.
- 351. Legislative Process (5). Pr. GV 101 and GV 102.**  
Surveys the structures and processes of legislative bodies, with particular emphasis upon the U. S. Congress and American State Legislatures.
- 360. Judicial Process (5). Pr., GV 101 and GV 102.**  
Surveys the operation of the legal system in the United States. Covers principles of legal research and writing.
- 370. American Political Thought (5). Pr., GV 101 and Sophomore Standing.**  
Reviews the development of political philosophy in the United States and its impact on American political institutions.
- 380. Introduction to Political Behavior (5). Pr., GV 101 and Sophomore Standing.**  
Surveys the personal and social bases of political participation, political choice, and political leadership.
- 385. Political Parties (5). Pr., GV 101.**  
An analysis of the political party system focusing on the three main aspects of political party structure and operation: the party as an electoral cue-giver; and the party as the organizer and staffer of the government.
- 441. Organization Theory. (5). Pr., GV 340, PG 335, or SY 335.**  
Reviews the theoretical and empirical literature in the field of organizational behavior, concentrating upon the major concepts within the field.
- 460. Constitutional Law (5). Pr., GV 101, GV 102, and GV 360.**  
Surveys the development of American constitutional law that shapes the contemporary powers of governments in the United States.
- 461. Civil Liberties (5). Pr., GV 101, GV 102, and GV 360.**  
Reviews the development of constitutional protections of individual rights and liberties in the United States.
- 470. Political Thought before the Nineteenth Century (5). Pr., Fifteen hours of government courses or consent of instructor.**  
Reviews the development of political philosophy from antiquity to 1800.

- 471. Recent Political Theory (5). Pr., Fifteen hours of government courses or consent of instructor.**  
Reviews the development of political philosophy since 1800, including modern ideologies and contemporary empirical theory.
- 484. Seminar in Urban Studies (5). Pr., GV 101 and GV 102.**  
Analyzes selected problems confronting urban dwellers today.
- 485. Thesis in Urban Studies (5). Pr., 15 hrs. Urban Studies Courses and Junior Standing.**  
Field research on a selected topic relating to urban life.
- 490. Special Problems (3-5). Pr., Fifteen hours of government courses and consent of instructor.**  
May repeat for a maximum of 8 hours.
- 495. Internship in Public Affairs (5-10).**  
Practical experience in operational government agencies or related political activities; arranged and approved by the coordinator of the Government Program.
- 505.\* Environmental Problems (5). Pr., Junior Standing.**  
Reviews current practices, theory, and research pertinent to maintaining ecological balance while providing for the immediate needs of individuals and their social institutions; introduces the concepts of environmental management.
- 510. The Politics of Education (5). Pr., GV 101 or GV 102.**  
An examination of the relationships, linkages, and interactions between the political institutions and processes and educational institutions and policies. The course includes an analysis of the impact of national, state, and local governmental decisions on educational policies as well as the nature, role, and extent of the influence of education-related groups on governmental decisions.
- 530. Problems in Metropolitan Politics (5). Pr., GV 102 and Junior Standing.**  
Focuses upon selected problems of metropolitan areas and their possible resolution through public policy.
- 531. Public Administration in State and Metropolitan Government (5). Pr., GV 101 and GV 102.**  
Focuses on the problems of identification, analysis, decision-making, implementation, and evaluation of government programs and services as they apply to state and local governments.
- 550. Southern Politics (5). Pr., GV 101 or GV 102.**  
Examines the nature of the political process in the South with emphasis on the extent to which the Southern political process is both similar to and distinct from the American political process as a whole. Includes

\*Undergraduate or graduate credit may be given for 500 level courses. All 500 level courses require as prerequisite twenty hours of work in a related field. The department in which the work is offered will determine the related field.



an examination of the historical and contemporary impact of the South on national politics as well as contemporary developments which are producing modifications in the nature of Southern politics.

**564. Recruiting, Selecting and Evaluating Personnel (5). Pr., PG 561 and Junior Standing.**

Application of psychological principles to recruiting, selecting, and evaluating personnel. Same as PG 564.

**580. Voting Behavior (5). Pr., GV 101.**

Analyzes the personal, social, and constitutional basis of the behavior of electorates.

### **Graduate Courses**

**PA 601. Introduction to Public Administration (5).**

Processes, functions, theories, practices and systems from the literature of public administration.

**PA 603. Government Organization and Administration (5).**

An in-depth analysis of the major ways of organizing on the federal level with a comparison with business organization procedures: the structure of organization; the formal and informal organizations and procedures which occur; the conflicts which erupt.

**PA 604. Programming and Budgeting (5).**

A review of the major concepts, issues and procedures in the programming and budgeting systems used on the federal level.

**PA 605. Public Personnel Administration:**

Analyzes the major areas in personnel administration: civil service, recruitment and testing, training, and employee evaluation.

**PA 606. Applied Research and Program Evaluation (5).**

The application of scientific research methods to administrative problems, including practical methods of gathering, analyzing, and interpreting data. Content will include theory and basic techniques underlying quantitative analysis of public programs.

**PA 607. Public Administration and Policy Formulation (3-5).**

The process of policy making both within an agency and within the larger context of the total governmental process, emphasizing policy and program planning, policy implementation and the value system of administrators.

**PA 608. Seminar in Decision Making (5).**

A review of decision making techniques and procedures currently in use in public agencies.

**GV 611. Seminar in Problems in American Government (3-5).**

A systematic examination of functions, problems and issues within the political and constitutional framework of selected areas of American Government.



- GV 613. Seminar in State and Local Government (5).**  
A systematic examination of functions, problems and issues within the political and constitutional framework of selected areas of state and local government.
- PA 614. Issues in Public Administration (5).**  
Examination and analysis of various public programs of concern to the public administrator: housing, health, poverty, welfare, employment, urban renewal, and related political and social factors influencing policy formulation and implementation.
- PA 616. Seminar in Intergovernmental Relations (5).**  
Selected areas of the intergovernmental systems are examined with emphasis on the practical operation of government in American Federalism.
- PA 618. Science, Technology, and Public Policy.**  
This course deals, first, with the impact of science and technology on social, political, and economic systems, and, second, with governmental decision-making for science and technology. The first part covers approaches ranging from the broad theories of Jacques Ellul and Louis Mumford to narrowly focused behavioral studies such as those surrounding the development of technology assessment. The second half of the course includes analyses of federal organization, policy-making, and administration for science and technology.
- PA 637. Planning Administration in Local Government (5).**  
The planning function in local governments; the legislative basis for planning — enabling legislation, police power, and eminent domain powers; the planning agency in the structure of municipal and county government. Planning theory and current views regarding the functions and characteristics of the urban general plan.
- PA 638. Current Planning Issues (5).**  
Examination of topical issues in the fields of urban and regional planning.
- PA 641. Public Employee Management For Labor Relations (5).**  
Seminar topics include collective bargaining and public employee unionism as well as topical problems of current interest.
- GV 645. Seminar in Comparative Government (5).**  
The major institutions, functions, and problems of representative political systems. Includes the methodology and bibliography of comparative government politics.
- PA 663. Administrative Law (5). Pr., Graduate Standing.**  
Analyzes the processes of administrative rule-making.
- GV 665. Seminar in Political Theory (5).**  
The problems of scope and methods of inquiry in the fields of political theory with intensive research in selected topics.

- GV 675. Seminar in Constitutional Law (5).**  
Selected areas of constitutional law with readings in depth in relevant cases and constitutional theory.
- PA 681. Introduction to Health Care Administration (5).**  
Survey of the administrative issues involved in the delivery of health care services.
- PA 682. Hospital Management and Process (5).**  
Examination of management practices in institutional health care.
- PA 683. Case Studies in Health Care Administration.**  
In depth examination of contemporary problems in the delivery of health care.
- GV 685. Seminar in International Organization (3).**  
A systematic analysis of development, organization and functions of institutions for international peace, and their relevance to the resolution of conflict.
- PA 690. Special Problems in Public Administration (1-10).**  
Advanced research in specific areas of public administration (as arranged).
- PA 691. Directed Readings in Political Science and Public Administration (1-10).**  
Credit to be arranged.
- PA 695. Internship in Public Administration (1-5) Pr., Committee Approval.**  
The Public Administration Internship was created to serve the needs of students in gaining a practical knowledge of some of the concepts and theories taught in class.

### MATHEMATICS (MH)

- 100. Mathematical Insights (5).**  
For students in the arts or humanities. The purpose of the course is to give students insight into the nature of mathematics by engaging them in mathematical thought processes within a suitable elementary framework. This course is not designed to prepare students for MH 150.
- 150. College Algebra (5). Pr., High school geometry and one year of high school algebra or departmental approval.**  
Emphasizes algebraic techniques, coordinate geometry, functions and relations and their graphs, and common logarithms. A preparatory course for MH 151, MH 160, and MH 161. However, credit will not be allowed for both MH 150 and MH 160.
- 151. Survey of Calculus and Linear Algebra (5). Pr., MH 150 or MH 160.**  
Designed for students who will not be taking the calculus. Matrix algebra, systems of equations, linear programming; differential and in-



tegral calculus. Applications in the management, natural and social sciences are included.

**160. Pre-Calculus Mathematics with Trigonometry (5). Pr., High School geometry and two years of high school algebra or MH 150.**

Basic analytic and geometric properties of the algebraic and trigonometric functions. Prepares students for MH 161. Duplicate credit will not be allowed for MH 150 and MH 160.

**161. Analytic Geometry and Calculus I (5). Pr., MH 150 or MH 160.**

Limits; the derivative of a function, applications of the derivative; the differential, and antidifferentiation, differential equations with variables separable.

**162-163. Analytic Geometry and Calculus II, III (5-5). Pr., MH 160 and MH 161.**

The definite integral, the fundamental theorem of the calculus, applications of the integral; the calculus of logarithmic and exponential functions; the calculus of trigonometric and inverse trigonometric functions. Techniques of integration, indeterminate forms, improper integrals; Taylor's theorem; infinite series, power series.

**264. Analytic Geometry and Calculus (5). Pr., MH 163.**

A continuation of MH 163. Vector analysis, partial derivatives, multiple integrals.

**265. Linear Differential Equations (5). Pr., MH 163.**

First and second order linear differential equations including infinite series solutions to such equations.

**266. Linear Algebra (5). Pr., MH 163.**

Vector spaces, linear transformations, matrices, determinants and systems of equations.

**267. Elementary Statistics (5). Pr., MH 150 or 160.**

This course provides a statistical background for students not majoring in mathematics. Topics covered include probability, frequency distributions and sampling, as well as hypothesis testing, correlation and regression.

**281-2. Elementary Mathematics (5-5). Pr., Sophomore Standing.**

These courses provide appropriate mathematical insights for elementary school teachers. Emphasis is on the structure of the number systems, the basic concepts of algebra and informal geometry.

**320. Number Systems (5). Pr., any sophomore level mathematics course.**

Sets, equivalence relations, equivalence classes; the natural number system, mathematical induction; construction of the integers; the rational number system, fields, order fields; the real number system, the completeness axiom; the complex number system.

**321-322. Analysis I, II (5-5). Pr., MH 163.**

Topological properties of the real number system viewed as a metric



- space, number sets, sequences, graphs of functions; Riemann Stieltjes integration, continuity, the derivative, functions of bounded variation; functions whose domains are in Euclidean spaces; measure theory.
- 330. Number Theory (5). Pr., Any sophomore level mathematics course.**  
Mathematics of the integers. Divisibility, primes, unique factorization; Congruences and residues; Diophantine problems; Number theoretic functions.
- 331-332. Introduction to Modern Algebra I, II (5-5). Pr., MH 163.**  
Sets, mappings, the integers, isomorphisms and homeomorphisms; groups, rings, fields, ideals; factorization problems and Euclidean domains.
- 367. Advanced Statistics (5). Pr., MH 267.**  
Correlation and regression, analysis of variance, non parametric methods, multivariate analysis. Emphasis on applications.
- 523. Complex Analysis (5). Pr., MH 321.**  
Complex numbers, limits, differentiation. Analytic functions. Integration, conformal mappings. Riemann surfaces.
- 547. Foundations of Plane Geometry (5). Pr., MH 163.**  
Axiomatic development of a plane geometry. Emphasis is placed on development of proofs by students.
- 550. Topology (5). Pr., MH 321.**  
Metric spaces, continuity, sequences, equivalent metrics; topological spaces, continuity and homeomorphisms, products; connectedness; compactness.
- 560-561. Numerical Analysis I, II (5-5). Pr., MH 265.**  
Polynomial approximation, numerical differentiation and integration, solutions of ordinary differential equations (initial value problems), error analysis.
- 591. Special Problems (1-5). Pr., Consent of instructor.**  
An individual problems course. Each student will work under the direction of a staff member on some problem of mutual interest.

#### PHYSICAL SCIENCE (PHS)

- 100. Introduction to Physical Science (5).**  
A discussion of the principles of mechanics, optics, and heat. Non-mathematical applications of everyday importance will be emphasized.
- 101. Introduction to Chemistry (5).**  
The natures of atoms, molecules, and chemical reactions will be discussed. An emphasis will be placed on the importance of chemistry in every day life. (Credit for PHS 101 may not be applied in the pre-professional curricula.)

- 105. Introduction to Astronomy (5).**  
Instruments, measurements, and celestial mechanics. The planetary system, stars, comets, nebulae, and galaxies.
- 110. Introduction to Geology (5).**  
A non-technical treatment of rocks, minerals, earthquakes and mountain building, weathering, continental drift, geologic time, and the geology of Alabama.
- 120. Introduction to Meteorology (5).**  
A basic study of phenomena influencing the weather.
- 400. Pre-Medical Studies (5). Junior standing and approval of pre-medical advisor.**  
A formal course requiring time to be spent in several departments of local hospitals. May not be taken with more than 10 hours of additional course-work.
- 410. Preparation for Professional Health Examinations. Two credits. Junior standing.**  
A survey of English, Mathematics, Biology, Chemistry, and Physics including exposure to a considerable number of objective examinations in these areas. Intended as a review of material included on entrance examinations for professional schools in the Health Sciences. The course is offered in the Summer Quarter and must be taken for credit. It is inadvisable to attempt more than one additional course during the quarter in which PHS 410 is taken.

### PHYSICS (PS)

- 210. General Physics I (5). Lec. 4, Lab. 3, Corequisite MH 161.**  
A treatment of mechanics and thermodynamics intended for technical majors.
- 211. General Physics II (5). Lec. 4, Lab. 3, Corequisite MH 161.**  
A treatment of sound, geometrical optics, and physical optics intended for technical majors.
- 301. General Physics III (5). Pr. MH 163 and PS 210.**  
A study of electromagnetic principles and topics from modern physics (special relativity and quantum theory).
- 405. Advanced Astronomy. Pr., 25 hours Physics and/or Mathematics.**  
A rigorous mathematical treatment of the basic concepts of Astronomy intended for upper level majors in Physical Science and Mathematics and individuals with a serious interest in the subject.
- 498. Independent Study in Physics (1-5). Pr., Junior Standing and Departmental Approval.**  
Library and/or practical experience in approved topics or projects. A written scientific report and/or a written final examination will be required.

**PSYCHOLOGY (PG)**

- 211. Psychology I (5).**  
The scientific study of individual behavior emphasizing principles of learning, perception and motivation.
- 212. Psychology II (5). Lec. 4, Lab. 3., Pr., PG 211.**  
Continuation of PG 211 with practical experience in conditioning. Each student is assigned his own experimental subject to condition during laboratory periods.
- 216. Personal and Social Adjustment (5).**  
A study of factors important in adjusting to today's world. Emphasis on the development of normal behavior, with a brief presentation of broad areas of abnormal behavior.
- 217. Developmental Psychology (5). Pr., PG 211.**  
Study of behavior transitions through pre-natal, infantile, juvenile, adolescent, adult, and senescent stages of life.
- 301. Research and Methodology I (5). Pr., Sophomore Standing.**  
Introduces the philosophies of science underlying research into human behavior including the role of logic, the tasks of methodology, the nature of explanation, and other problems associated with the theory-data continuum. Same as GV 301 and SY 30x.
- 302. Research and Methodology II (5). Pr., Sophomore Standing.**  
Presents a variety of strategies for the gathering of data in the behavioral sciences. Same as GV 302 and SY 302.
- 303. Research and Methodology III (5). Pr., Sophomore Standing.**  
Focuses upon the problems of inference in data analysis. Same as GV 303 and SY 303.
- 319. Foundations of Experimental Psychology (5). Lec. 4, Lab 3., Pr., PG 212, MH 267 (may be taken concurrently).**  
The research sequence — idea conception and problem translation into experimental action; research execution; interpretation and communication of experimental results.
- 320. Experimental Psychology I: Learning (5) Lec. 4, Lab 3. Pr., PG 212, PG 319, MH 267 (MH 267 may be taken concurrently).**  
Experimental analysis of behavior acquisition and maintenance.
- 321. Experimental Psychology II: Perception (5) Lec. 4, Lab 3. Pr., MH 267, PG 319 (MH 267 may be taken concurrently).**  
Analysis of sensory and perceptual processes.
- 335. Experimental Psychology III: Social (5). Lec. 4, Lab. 3, Pr., PG 319, MH 267. (MH 267 may be taken concurrently).**  
Analysis of social behavior.
- 361. Seminar in Psychology (5). Pr., 15 hours, of psychology.**  
May be arranged for any one of the following topics: A. Environmental psychology, B. Cognitive psychology, C. Advanced general psychology, D. Systematic psychology; E. Differential psychology, F. Current Issues, G. Applied psychology.



370. **Correctional psychology (5). Pr., PG 216.**  
Analysis of individual and organization behavior in correctional settings.
- 515.\* **Introduction to Tests and Measurements (5). Pr., PG 212, Junior Standing, MH 267.**  
Theory of measurement.
516. **Test Construction and Administration (5). Pr., PG 515.**  
Techniques of group measurement.
518. **Psychology of Public Safety (5). Pr., PG 216.**  
Analysis of behavior relevant to public safety.
530. **Perception (5). Pr., Junior Standing and PG 321 or instructor's approval.**  
Theories of perception, emphasizing both general and individual factors that influence meaning.
531. **Social Psychology (5). Pr., Junior Standing, PG 319, and 335.**  
Theories and research in social behavior.
533. **Personality (5). Pr., Junior Standing and PG 322 or departmental approval.**  
Objective, phenomenological, and psychoanalytic theories of personality.
535. **Behavior Pathology (5). Pr., Junior Standing and PG 322 or departmental approval.**  
Types of abnormal behavior and their social and biological origins.
540. **Physiological Psychology (5). Pr., Junior Standing and 20 hrs. of biological sciences, or departmental approval.**  
The physiological correlates of behavior. Offered only once each calendar year.
545. **Animal Behavior (5). Pr., Junior Standing and 20 hrs. of biological science or departmental approval. (Same as BI 445.)**  
Analysis of learned and unlearned animal behavior and its evolutionary development, integrating the contributions of ethological and behavior approaches. Offered only once each calendar year.
549. **Behavior Modifications I (5). Lec. 4, practicum 3, departmental approval.**  
The applications of the principles of learning to problems of individual behavior. Each student will participate in an assigned practicum setting.
550. **Learning (5). Pr., Junior Standing and PG 320 or departmental approval.**  
Theories of learning and their logical and empirical foundations. Offered only once each calendar year.

\*Undergraduate or graduate credit may be given for 500 level courses. All 500 level courses require prerequisite twenty hours of work in a related field. The department in which the work is offered will determine the related field.

- 551. **Behavior Modification II (5). Pr., Junior Standing and PG 549.**  
Elementary techniques.
- 552. **Behavior Modification III (5). Pr., Junior Standing and PG 551.**  
Intermediate techniques.
- 553. **Behavior Modification IV (5). Pr., Junior Standing and PG 552.**  
Advanced techniques.
- 561. **Industrial Psychology (5). Pr., Junior Standing.**  
The uses of psychology in industry and business.
- 562. **Training and Supervision of Industrial Personnel (5). Pr., Junior Standing.**  
Applications of the principles of learning to the training of factory, office, and sales employees.
- 564. **Recruiting, Selecting and Evaluating Personnel (5). PR., PG 561.**  
Application of psychological principles to recruiting, selecting and evaluating personnel.
- 565. **Leadership Psychology (5). Pr., PG 561.**  
Analysis of supervisory and executive behaviors.
- 566. **Engineering Psychology (5). Pr., PG 561.**  
Applications of psychological principles to the man-machine interface.
- 580. **History of Psychology (5)m Pr., Junior Standing and 20 hours of psychology.**  
Evolution of psychology from physics, physiology and philosophy to a behavioral science. Offered only once each calendar year.
- 581. **Political Psychology (5). Pr., Junior Standing.**  
Analysis of the political behavior of men.
- 590. **Independent Study in Psychology. (2-10 hrs.)**  
An individual problems course. Each student will work under the direction of a staff member on some experimental or theoretical problem of mutual interest.

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## DIVISION OF CONTINUING EDUCATION

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The Division of Continuing Education is the agency of the University which coordinates, guides, facilitates, and provides leadership for educational programs for adults. The Continuing Education program is basically a projection of the University resources to those persons not regularly enrolled as students on the campus. The program may take the form of credit or non-credit courses, conferences, cultural offerings and special educational service projects. Offerings include a broad range of courses in the humanities, the social sciences, the arts, and communications for adults who wish to continue to study — to learn about themselves, their society and their world.

Programs reach every part of the community in Montgomery. While these programs are developed to meet varying needs, all have grown out of the philosophy that a state university should serve all the people. Programs are not limited to the traditional curriculum, but are flexible and responsive to contemporary thought and development.

Programs are designed to help people learn to do their jobs better, to lead more useful lives, to challenge the active mind, and to employ their leisure time more wisely.

Classes are taught by a distinguished faculty assembled from the academic, professional and artistic communities. As the subject matter requires, some courses have one or two instructors, several visiting lecturers, or a combination of both.

### NON-CREDIT AND OTHER SPECIAL PROGRAMS

Through its program of non-credit courses the Division of Continuing Education is able to provide a diverse educational program which may be utilized by practically every member of the service community. Services are offered civic, professional, and other organizations for the purpose of planning seminars, courses, institutes, lectures, or other group activities which the University has qualified personnel to support or access to such personnel.

Continuing Education non-credit programs are designed for those desiring training to enter a specific occupation, those wishing to upgrade their skills in order to advance, and those who want to more fully enjoy their leisure time, hobbies, and other interests through enrichment or special interest courses.

#### Activities

Non-credit short courses are offered regularly both on and off campus and are announced by means of a quarterly brochure and through the mass media.

Special courses are offered on request which are designed to meet identified educational needs for a particular group of participants.



Conferences and workshops of one, two, or more days duration are planned and conducted by the Division in cooperation with groups who have requested assistance and for groups with identified educational needs.

Consulting services are also arranged through the Division of Continuing Education. University personnel are provided who assist organizations in the identification of problems and provide information in regard to solving the identified problem.

### **Location and Scheduling of Non-Credit Programs**

Programs are conducted throughout the service area covered by the University in available facilities. Programs are usually scheduled and conducted during the evening hours in order that the adult may conveniently attend. Courses are normally planned to meet weekly for two or three hours. Location and scheduling are both flexible and the prime consideration is convenience to the student.

### **Admission Requirements**

Since degree credit is not granted, the admission requirements are simply a desire to learn, registration, and payment of tuition. In many cases, pre-registration is required prior to the first class.

### **Tuition**

Non-credit course fees are based upon the length and content of the course. Course announcements include the tuition charge.

### **Planning a Course**

Anyone interested in requesting the Division of Continuing Education to offer an educational program should contact the Division for information.

### **ENCORE**

Recognizing that more adults are entering or re-entering college, the Division of Continuing Education has created a special program designed to meet the particular needs of the adult student. The program is *Encore*, and it begins with the consideration that many mature students need guidance upon entering college or returning after having been out for a period of time.

The Encore Program includes a series of seminars, counseling services, and other projects and services planned specifically for the adult student.

## **COOPERATIVE EDUCATION**

All learning is not confined to the classroom. Cooperative Education is the welding together of classroom theory with practical work experience. While on cooperative assignment, students work as regular employees of the cooperative employer, while receiving professional supervision. Upon graduation the student will have both a degree and experience to offer a potential employer. Employers weigh this experience heavily when students are interviewed for employment after graduation.

Applicants should have a minimum of a C+ grade point average and have attended AUM for at least one quarter prior to placement. Both parallel and alternating schedules are available depending on the student's curriculum.

For additional information and application, come by Room 213, Goodwyn Hall, or phone 279-9110, extension 254.

## **CREDIT PROGRAMS**

### **Off-campus Credit Programs**

Undergraduate and graduate credit courses are offered through the Division of Continuing Education in off-campus locations for those individuals who are unable to enroll in a full-time campus program. Through off-campus courses, the University hopes to assist many citizens pursue their plans for continuing and broadening their general education.

The location and scheduling of off-campus courses is determined by potential student enrollment, availability of classroom facilities, and the educational needs of the requesting community.

Courses are offered, generally, during the fall, winter and spring quarters. Depending on credit awarded, courses will meet either once or twice weekly.

Course announcements are made several weeks in advance of the registration date and are planned co-operatively by local education personnel, potential students and AUM personnel. Information concerning specific courses and establishing a course may be obtained from the Division of Continuing Education.

### **Credit Workshops**

Workshops for credit may be conducted through the Division of Continuing Education. These workshops may vary in length and amount of credit. Workshops are conducted at locations convenient to the participants and conducive to the purpose of the training. For additional information, contact the Division of Continuing Education.



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## RESERVE OFFICERS TRAINING COURSE

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### AIR FORCE

#### DIVISION OF AEROSPACE STUDIES—Alabama State University

Alabama State University was approved by the Department of the Air Force in April 1971 to offer the Air Force Reserve Officers Training Corps (AFROTC) program. The nationwide AFROTC program is the major source of Air Force officer procurement. The purpose of AFROTC Detachment 019, at Alabama State University, is to offer educational experiences which will develop an appreciation for democracy, prepare students for responsible citizenship, and train students for management and leadership in the Air Force. To accomplish this purpose, the Division of Aerospace Studies offers a two-year and a four-year program leading to a commission in the United States Air Force. This program is available to Auburn University at Montgomery students through a Cross-Town Enrollment Agreement.

#### The Four-Year Program

Men and women students desiring to participate in the four-year program should enroll at the same time and in the same manner as they would for other courses offered at Alabama State University. There is no military obligation connected with enrolling in freshman and sophomore years of the four-year program. Upon completion of the first two years of the four-year program, General Military Course (GMC), a student may be selected for enrollment in the Professional Officers Course (POC). All or a portion of the General Military Course may be waived, by the Professor of Aerospace Studies, for Air Force Junior ROTC, Civil Air Patrol, Military School Training, or prior active service in any branch of the U.S. Armed Forces. Selection into the Professional Officers Course is based upon completing the Air Force Officers Qualifying Test, passing an Air Force medical examination, and completing a four-week summer field training session, usually between his or her sophomore and junior years. All summer field training costs are paid by Air Force, and in addition, the student will receive a salary equal to one-half the pay of a second lieutenant with under two years of service for this four-week period. Other basic requirements for the four-year program are: the student must be a citizen of the United States and possess sound moral character. If a student desires to be a pilot or navigator designee, he must be able to complete commissioning requirements before he reaches 26 $\frac{1}{2}$  years of age. Presently, only male cadets may be designated for pilot or navigator training. If a student is a scholarship recipient, he or she must be able to complete commissioning requirements before attaining age 25 on June 30 in the estimated year of commissioning. Otherwise, all other students must complete commissioning requirements prior to age 30. Cadets who are admitted to the Professional Officers Course receive a \$100 a month non-taxable allowance, up to a maximum of \$1,000 per school year. Students enrolled in the POC may also travel free on military aircraft on a space available basis. All AFROTC uniforms and course materials are provided by the Air Force at no cost to students. A student enrolls in the Professional Officers Course agrees to accept a commission as a reserve second lieutenant and serve for a



period of four years on active duty. If a student is accepted for pilot or navigator training, he agrees to serve for a period of five years on active duty after receiving his "Wings".

### **Two-Year Program**

The major requirement for entry into the two-year program is that a student has two academic years remaining, either at the graduate or undergraduate level, or a combination of the two levels. Other requirements are: completing the Air Force Officers Qualifying test, passing the Air Force medical examination, and successfully completing a *six-week* summer field training course. Students desiring to qualify for the two-year program must apply early in the calendar year preceding the fall quarter in which they intend to enter the program. This is necessary because the processing procedure must be completed approximately two months prior to intended enrollment.

### **The AFROTC Scholarship Program**

Scholarships are now available to qualified cadets in the four-year and the two-year programs. Scholarships in both programs cover full tuition, laboratory and incidental fees, and books. Scholarship cadets also receive a \$100 non-taxable allowance each month. Initial selection for scholarships to be awarded during the sophomore or junior years is made on campus by a board of institutional officials and Air Force ROTC officers. Final selection is made by a selection board at Air Force ROTC headquarters. All selections for four-year scholarships are made at Air Force ROTC Headquarters. An applicant's academic major and his potential active duty career field are considered with respect to the needs of the Air Force. Scholarships are awarded on a competitive basis. There is no limit to the number that can be awarded to cadets at a given college or university hosting Air Force ROTC's four-year program.

For additional information concerning Aerospace Studies at Alabama State University, contact The Professor of Aerospace Studies, Alabama State University, Montgomery, Alabama 36101. Applications by interested students should be made in writing or by a personal visit to the Professor of Aerospace Studies.

## **ARMY**

### **DEPARTMENT OF MILITARY SCIENCE**

#### **COLONEL AUBREY G. NORRIS**

Professor of Military Science

Study of Military Science at Auburn University at Montgomery began Fall Quarter 1972. Military Science instruction leading toward an Army commission is available to both male and female students. Instruction in Military Science is under the supervision of an officer of the Active Army who is detailed as Professor of Military Science. The Professor of Military Science is assisted by a staff of commissioned and non-commissioned officers of the Army. The curriculum in Military Science is divided into two courses, basic and advanced. A description of course requirements is discussed in the following paragraphs.

### BASIC COURSE

The basic course consists of a six-quarter block of instruction normally taken during the freshman and sophomore years. During the freshman year, two hours of instruction (one classroom and one Leadership Lab) are taken each week for three quarters.

In the sophomore year three hours of instruction (two classroom and one Leadership Lab) are taken each week for three quarters. All freshman and sophomore military science classes are offered Fall, Winter and Spring quarters, with one credit hour being allowed each quarter.

### BASIC CAMP

The basic camp consists of six weeks of field training conducted at an Army Post during the summer. Basic Camp *is not required* for students completing the basic course described above. It is designed for transfer students and sophomores, or students with 6 quarters remaining who wish to substitute the successful completion of the basic camp for the six-quarters resident basic course and enroll in the advanced course. Students may apply to the Professor of Military Science and enter into an agreement to complete basic camp and the advanced course during the winter quarter of each year. While attending basic camp students are paid \$541.80, plus reimbursement for travel expenses at the rate of six cents per mile to and from camp. Uniforms, quarters, medical care and rations are furnished by the government during the camp period.

### ADVANCED COURSE

The Advanced Course is designed to produce officers for the Army of the United States, both the Active Army and the Reserve. Successful completion of the Advanced Course at Auburn University qualifies the student for a commission as 2nd Lieutenant in one of the following branches of the United States Army Reserve: Adjutant General's Corps, Air Defense Artillery, Armor, Corps of Engineers, Field Artillery, Finance Corps, Infantry, Medical Service Corps, Military Intelligence, Military Police Corps, Ordnance Corps, Quartermaster Corps, Signal Corps, Transportation Corps, based on student's choice and needs of the Army. Students who are designated Distinguished Military Students may apply for a Regular Army commission, if accomplished prior to graduation. Regular Army appointments are contingent upon selection by Department of Army and subsequent designation of the cadet as a Distinguished Military Graduate. The advanced course consists of a six-quarter course, normally taken during the junior and senior years, designed to qualify the student for appointment in any of the aforementioned branches. Three credit hours per quarter or a total of 18 credit hours are granted for completion of the Advanced Course. Advanced students are paid subsistence pay of \$100.00 per month, for 10 months of the year, during their Junior and Senior Year.

An advanced camp of six weeks duration must be attended by the student before becoming eligible for a commission. Advanced camp is normally attended during the summer between the end of the junior and the start of the senior years. While attending advanced camp students are paid  $\frac{1}{2}$  base pay for a second lieutenant (approximately \$500.00 per month.) Reimburse-



ment to the students for travel expenses is made at a rate of six cents per mile to and from camp. Uniforms, quarters, medical care and rations are furnished by the government during the camp period. The applicant for the advanced course must:

1. Be a citizen of the United States.
2. Be physically qualified in accordance with standards prescribed by the Department of the Army.
3. Not have reached 28 years of age at time of appointment in the US Army Reserve.
4. Have completed appropriate basic training (2 years basic course or basic camp) or have equivalent military or ROTC training in lieu thereof; have at least two (2) academic years to complete prior to graduation.
5. Have minimum overall academic average of 1.0.
6. Be selected by the Professor of Military Science.
7. Execute a written agreement with the Government to complete the two-year Advanced Course training and attend one Summer Camp (six weeks duration) preferably at the end of the first year of the Advanced Course. Agree in writing to accept an appointment as a commissioned officer in the Army Reserve and serve the prescribed period of duty.

### **ARMY ROTC FLIGHT PROGRAM**

Qualified second year advanced (MS IV) cadets may apply for enrollment in the Army ROTC Flight Training Program, subject to quota limitations. This program is conducted at no expense to the student. Participation in the program will not act to cause any reduction in the prescribed MS IV course. This course is an approved Federal Aviation Agency standardized flight instruction program consisting of 35 hours ground instruction and forty hours flight training. Satisfactory completion of the program of instruction may qualify the graduates for award of a FAA Private Pilot's certificate. Students must agree to a period of active duty for three years after completion of additional flight training in the active service.

### **UNIFORMS AND EQUIPMENT**

All students are required to deposit \$30.00 with the Bursar of the University through the PMS prior to enrollment in the ROTC. They are furnished a uniform in good condition and other necessary supplies through the ROTC Supply Office. Upon completion of the course of instruction, or upon withdrawal, the uniform and other supplies are turned in and the deposit less \$1.50 per quarter is returned to the student.

Advanced ROTC students are furnished uniforms under the commutation system. Upon graduation, the uniform becomes the property of the advanced student.



### **DISTINGUISHED MILITARY STUDENTS**

The Professor of Military Science may designate as a Distinguished Military Student a person who:

1. Possesses outstanding qualities of leadership, high moral character, and definite aptitude for the military service.
2. Has attained an academic standing in the upper half of his/her class. An exception may be made only in the case of an individual student whose standing is in the upper 10 percent of his/her class in military subjects, or who has shown exceptionally high motivation toward a military career.
3. Has demonstrated his/her leadership ability through his/her achievements while participating in recognized campus activities.
4. Has attained a class standing in the upper third of his/her ROTC class in the Advanced Course, Senior Division, ROTC.

Distinguished Military Students may make application for a commission in the Regular Army any time subsequent to such designation, but not later than the date on which they are designated Distinguished Military Graduates. If accepted they will be commissioned in the Regular Army upon graduation.

### **DISTINGUISHED MILITARY GRADUATES**

The professor of Military Science may designate as a Distinguished Military Graduate a person who was designated a Distinguished Military Student and who has maintained the high academic standards between the time of such designation and date of commission and graduation.

### **MILITARY SCIENCE (MS)**

#### **BASIC COURSE \***

#### **First Year (Freshman) Military Science I**

101. **ROTC Orientation (1). Lec. 1, Leadership Lab 1.**  
History, Mission and Organization of the ROTC Program, Duties and Responsibilities of an Officer; Military/Civilian Obligations; US Army Reserves and National Guard; Definition and Causes of War, Department of Defense.
102. **Defense Establishment for National Security (1). Lec. 1, Leadership Lab. 1.**  
Factors and National Power; National Objectives, Policies, Strategies and Instruments; Organization and Mission of the Armed Forces.
103. **Marksmanship Training (1). Lec. 1, Leadership Lab. 1.**  
Range Firing.

\* Selected courses may be taken in lieu of courses listed under the Basic Course with the approval of the Professor of Military Science.

**Second Year (Sophomore)**  
**Military Science II**

Military Science II (Pr., MS I or as determined by the Professor of Military Science).

201. **Map and Aerial Photograph Reading (1). Lec. 2, Leadership Lab. 1.**  
Application of basic principles, emphasizing terrain appreciation and evaluation; marginal information; military and topographic map symbols; orientation; intersection; resection; military grid reference system; classes of aerial photography reading.
202. **Introduction to Tactics and Operations (1). Lec. 2, Leadership Lab. 1.**  
Instruction in the basic military team; combat formations and patrolling; field fortification and camouflage, cover and concealment, technique of fire and principles of offensive and defensive combat.
203. **American Military History (1). Lec. 2, Leadership Lab. 1.**  
The origins of the American Army to the present with emphasis on factors which led to the organizational, tactical, logistical, operational, strategic, social, and similar patterns found in the present day Army.

**ADVANCED COURSE**

**Third Year (Junior)**  
**Military Science III**

Military Science III (Pr., MS I & MS II or Basic Camp or equivalent training).

301. **Leadership and Management I (3). Lec. 3, Leadership Lab. 2.**  
An examination of current behavioral science information relating to leadership with application toward the military environment and contemporary leadership/management problems.
302. **Military Team IA (3). Lec. 3, Leadership Lab. 2.**  
Educational psychology of the instructional process and methods of military instruction; familiarization with the various branches of the Army; combat training of the individual soldier; communication systems; infantry small unit leader's actions in planning, organizing, and executing offensive and defensive combat operations.
303. **Military Team IB (3). Lec. 2, Leadership Lab. 4.**  
Orienteering physical training, and the platoon in offensive and defensive combat operations; advanced camp orientation/preparation.

**Fourth Year (Senior)**  
**Military Science IV**

401. **Military Team IIA (3). Lec. 3, Leadership Lab. 2.**  
Command and staff relationships and functions; organization, mission, and functions of Army Divisions; capabilities and employment of combat, support and service support forces; organization/tailoring of forces for combat.

**402. Military Team IIB (3). Lec. 3, Leadership Lab. 2.**

Fundamentals of tactical operations; tactical employment of the company team; use of overlay orders; duties and responsibilities of unit commanders and operations officers in combat.

**403. Leadership and Management II (3). Lec. 3, Leadership Lab. 2.**

Army administration, training management, logistics, unit level operations, military justice; customs of the service. A culmination of all prior instruction as it relates to the responsibilities and obligations of an officer.

### **FINANCIAL ASSISTANCE PROGRAM**

The Army ROTC offers a scholarship program designed to provide financial assistance to outstanding men and women in the program who are interested in the Army as a career. Each scholarship provides for free tuition, textbooks and laboratory fees in addition to pay of \$100.00 per month for the period that the scholarship is in effect. During a six-week summer training period, normally at the end of the junior year, this pay is increased to one-half of a second lieutenant's base pay. The scholarships are provided under provisions of Public Law 88-647, The ROTC Vitalization Act of 1964.

Scholarships may be awarded for periods of one, two, three or four years. Four year scholarships are awarded to selected high school applicants who plan to attend a University offering Army ROTC in its curricula.

Three and two year scholarships are awarded to selected applicants enrolled in freshmen and sophomore military science who are qualified to enter the advanced program.

The one year scholarship is awarded to selected junior applicants who have enrolled in advanced ROTC and have demonstrated outstanding leadership potential.

Recipients of Army ROTC scholarships agree to serve on active duty as a commissioned officer for a four year period. The remainder of the normal six year service obligation may be spent in the U.S. Army Reserve.



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## SCHOLARSHIPS

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Through the patronage of several local donors, Auburn University at Montgomery is able to award tuition scholarships to qualified students. These scholarships are awarded annually, but are subject to renewal, based upon the student's academic standing.

Scholarships at present include:

Alabama National Bank Scholarship	\$525.00
Bank of Prattville Scholarship	525.00
James M. Folmar Scholarship	525.00
Greater Montgomery Homebuilders Association Scholarships	Three \$525.00 Scholarships
Holiday Inns of Montgomery Scholarship	300.00
Hudson-Thompson, Inc. Scholarship	525.00
Montgomery Electrical Contractors Association	525.00
Rouse Motors, Inc. Scholarship	525.00
Standard Roofing Company Scholarship	525.00
David W. Thames Scholarship	525.00
Union Camp Corporation Scholarship	500.00
Winn-Dixie Scholarships	Four \$525.00 Scholarships
Anonymous	Three \$525.00 Scholarships
Anonymous	Three \$525.00 Scholarships
Anonymous	Five \$525.00 Scholarships

Students' inquiries regarding these scholarships should be made to Mr. James Berry, Director of Financial Aid and Placement.

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## FACULTY

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- Philpott, Harry M., *President*. . . . . 1965  
 A.B., Washington and Lee University; Ph.D., Yale University; D.D. (Hon.),  
 Stetson University; LL.D. (Hon.), Washington and Lee University; LL.D. (Hon.),  
 University of Florida.
- Funderburk, H. Hanly, Jr., *Vice President*. . . . . 1968  
 B.S., M.S., Auburn University; Ph.D., Louisiana State University.
- Abbott, Barton, *Adjunct Instructor of Mathematics*. . . . . 1975  
 B.S., M.S., Texas Tech University.
- Abernathy, Martha, *Adjunct Instructor*. . . . . 1971  
 B.A., Huntingdon College; M.A., University of Alabama.
- Adams, Caroline S., *Assistant Professor of Biology*. . . . . 1974  
 B.A., Drew University; M.A., Ph.D., Southern Illinois University.
- Allen, Marybeth S., *Adjunct Instructor of*  
*Physical Sciences*. . . . . 1974  
 B.S., Allegheny College; M.S., University of New Mexico.
- Anderson, Nancy, *Adjunct Instructor of English*. . . . . 1972  
 B.S., Millsaps College; M.A., University of Virginia.
- Arnold, Frances, *Instructor of Education*. . . . . 1973  
 B.S., Auburn University; M.Ed., Auburn University.
- Barganier, Barbara L., *Instructor of Accounting*. . . . . 1975  
 B.S., Troy State University; M.S., Auburn University; C.P.A. (Alabama).
- Barthel, Gerald R., *Adjunct Instructor*. . . . . 1975  
 B.S., University of Cincinnati; M.S., Washington University.
- Bassett, Lynda C., *Adjunct Instructor*. . . . . 1975  
 B.A., V.P.I., S.U.
- Batson, Theodore Ralph, *Assistant Professor*  
*of Education*. . . . . 1975  
 B.S., Livingston University; M.A., University of South Alabama; Ph.D.,  
 University of Southern Mississippi.
- Beck, Esther A., *Assistant Professor of Psychology*. . . . . 1974  
 A.A., Enterprise State Junior College; B.S., Troy State University; M.S., Ph.D.,  
 Auburn University.
- Bender, Robert C., *Assistant Professor of Education*. . . . . 1973  
 B.S., Wayne State; M.Ed., Eastern Michigan University; Ed.D., University of  
 Maine.
- Berkey, Ina Lee, *Consultant*. . . . . 1974  
 A.B., Newberry College.
- Bigger, Chester H., *Associate Professor of Management*  
*and Head of Department*. . . . . 1971  
 B.S., University of Florida; M.B.A., Mississippi State University; Ph.D.,  
 University of Alabama.
- Billingslea, Oliver L. F., *Assistant Professor of English*. . . . 1970  
 B.A., University of Mississippi; M.A., Johns Hopkins University; Ph.D.,  
 University of Wisconsin.
- Black, Robert C., *Adjunct Instructor of Management*. . . . . 1970  
 B.S., L.L.B., University of Alabama.

- Blackwell, Martha, *Assistant Professor of Education*. . . . . 1973  
B.A., Samford University; M.Ed., Ed.D., University of Alabama.
- Bogie, Donald W., *Associate Professor of Sociology and Head of Department*. . . . . 1971  
B.A., Georgetown College; M.A., Ph.D., University of Kentucky.
- Boyer, Joe L., *Associate Professor of Education and Head of Department*. . . . . 1971  
B.S., Tennessee A & I; M.S., University of Illinois; Ph.D., Ohio State University.
- Boyles, Wiley, *Dean and Associate Professor of Psychology, School of Sciences*. . . . . 1970  
B.S., University of Chattanooga; Ph.D., University of Tennessee.
- Boyne, John J., *Professor, Air University Graduate Division*. . . . . 1968  
A.B., M.A., University of Alabama; Ph.D., University of North Carolina.
- Bozeman, James R., *Adjunct Instructor of Mathematics*. . . 1975  
B.A., Huntingdon College; M.Ed., Auburn University.
- Bressler, Ray B., *Assistant Professor*. . . . . 1975  
B.B.A., University of Cincinnati; M.B.A., Indiana University.
- Broadfoot, Ann, *Instructor of Social Work*. . . . . 1974  
B.S., Florence State University; M.S.W., Louisiana State University.
- Brown, Lynda, *Instructor of English*. . . . . 1974  
B.A., Southeastern State College; M.A., University of Maryland.
- Brown, Richard, Jr., *Assistant Professor of Education and Head of Department*. . . . . 1974  
B.S.E., Delta State University; M.Ed., Ed.D., University of Mississippi.
- Burgess, Betty, *Adjunct Assistant Professor of Education*. . . 1974  
B.S., M.Ed., Ed.D., Auburn University.
- Burnette, Albert, *Consultant*. . . . . 1973  
B.S., University of Alabama.
- Cairns, Eldon J., *Professor of Biology and Head of Department*. . . . . 1970  
B.A., M.A., University of California at Los Angeles; Ph.D., University of Maryland.
- Caldwell, Washington D., *Adjunct Instructor of Accounting*. . . . . 1974  
B.S., Sacramento State College; M.B.A., Ohio State University.
- Callan, William J., *Adjunct Assistant Professor of Biology*. . 1975  
B.S. University of Arkansas; Ph.D., University of Georgia
- Campbell, Barbara, *Adjunct Instructor of Education*. . . . . 1972  
B.S., West Virginia Institute of Technology; M.A., West Virginia University.
- Campbell, Bill, *Adjunct Assistant Professor*. . . . . 1973  
B.S., M.S., Troy State University; Ed.D., Auburn University.
- Campbell, Ken C., *Associate Professor of Education and Head of Department*. . . . . 1970  
B.S., Florida State University; M.A., Florida Atlantic University; Ed.D., University of Georgia.
- Carr, Veroncia, *Adjunct Instructor of Education*. . . . . 1974  
B.S.E., Southwest Texas State University; M.A., University of Texas at Austin.



- Chambless, Donald A., Assistant Professor of Mathematics.** . . . . . 1973  
B.S., M.E., Auburn University; M.S., University of Tennessee; Ph.D., Tulane University.
- Chase, David, Adjunct Instructor of Archaeology.** . . . . . 1972  
New York Military Academy; Attended University of Rochester.
- Childs, Wendell, Adjunct Assistant Professor of Physical Sciences.** . . . . . 1975  
B.S., Auburn University; M.S., Stevens Institute of Technology; Ph.D., University of Virginia.
- Chitwood, Edward, Adjunct Instructor.** . . . . . 1975  
B.S., University of Colorado; M.B.A., University of Indiana.
- Christopher, Troy Douglas, Adjunct Instructor of Accounting.** . . . . . 1974  
B.S., University of Kentucky; M.A., University of Southern Carolina.
- Cieszynski, Dennis, Adjunct Instructor of Economics.** . . . . . 1974  
B.S., Florida State University; M.B.A., Golden Gate University.
- Clark, Roy Peter, Assistant Professor of English.** . . . . . 1974  
B.A., Providence College; M.A., Ph.D., State University of New York at Stony Brook.
- Clark, William D., Dean and Professor, School of Business.** . . . . . 1969  
B.S., M.B.A., Ph.D., University of Arkansas.
- Clemons, Charles L., Jr., Consultant.** . . . . . 1973  
B.L.A., Auburn University.
- Coleman, Toby F., Adjunct Assistant Professor.** . . . . . 1975  
A.B., M.A., Ph.D., University of Alabama.
- Coley, Phillip, Instructor of Art.** . . . . . 1972  
B.F.A., M.F.A., University of Georgia.
- Cooper, Melvin G., Adjunct Instructor of Government.** . . . . . 1971  
J.D., University of Tennessee; M.A., West Virginia University; M.S., George Washington University.
- Cooper, William E., Jr., Assistant Professor of Biology.** . . . . . 1976  
B.A., University of Richmond; M.S., Ph.D., Kansas State University.
- Crabtree, James F., Consultant.** . . . . . 1974  
B.S., Alabama Christian College; M.Ed., Abilene Christian College; Ed.D., Auburn University.
- Dekle, Barbara, Librarian II.** . . . . . 1971  
B.A., Huntingdon College; M.L.S., University of Alabama.
- Dodd, Donald B., Associate Professor of History.** . . . . . 1969  
B.S., Florence State University; M.A., Auburn University; Ph.D., University of Georgia.
- Downey, Max, Adjunct Instructor of Accounting.** . . . . . 1975  
B.G.S., University of Nebraska; M.B.A., Southern Illinois University.
- Ehin, Charles, Adjunct Assistant Professor.** . . . . . 1973  
B.A., Colgate University; M.B.A., Syracuse University; Ph.D., University of Oklahoma.
- Eiland, Rebecca, Adjunct Instructor.** . . . . . 1975  
B.S., University of Alabama; M.S., Auburn University.

- Elam, Freeman, *Consultant*. . . . . 1975  
B.S., University of Montevallo.
- Elrod, Joe Marlan, *Assistant Professor of Education and  
Director of Athletics*. . . . . 1972  
B.S., Nicholls State University; M.S., Ed.D., Louisiana State University.
- Fair, John Douglas, *Associate Professor of History*. . . . . 1971  
B.A., Juniata College; M.A., Wake Forest University; Ph.D., Duke University.
- Farris, Robert H., *Adjunct Assistant Professor,  
Air University*. . . . . 1974  
B.A., Baylor University; M.P.S., Auburn University; Ph.D., University of Notre  
Dame.
- Fitzgerald, Gary Edward, *Adjunct Instructor*. . . . . 1975  
A.A., San Antonio College; B.A., M.A., University of Texas.
- Garner, William B., *Adjunct Instructor*. . . . . 1975  
B.S., Auburn University; M.P.A., Auburn University at Montgomery.
- Gionis, Nicholas G., *Adjunct Assistant Professor  
of Mathematics*. . . . . 1975  
B.S., U.S. Naval Academy; M.S.E.E., Air Force Institute of Technology; Ph.D.,  
Ohio State University.
- Golden, Charles W., *Assistant Professor of Business*. . . . . 1973  
B.S., Mississippi State University; M.B.A., Memphis State University; D.B.A.,  
Mississippi State University.
- Golden, Mary E., *Instructor of Accounting*. . . . . 1973  
B.B.A., M.B.A., Memphis State University; C.P.A. (Tennessee).
- Gordon, Bruce, *Assistant Professor of Education*. . . . . 1971  
B.S., M.S., State College of New York at Buffalo; Ed.D., University of Georgia.
- Gordon, Theresa, *Adjunct Instructor of Education*. . . . . 1975  
B.A., Tift College; M.M.Ed., University of Georgia.
- Grafton, Carl, *Associate Professor of  
Public Administration*. . . . . 1975  
B.S., University of Toledo; M.A., Ph.D., Purdue University.
- Graham, Theresa McWhorter, *Instructor of Education*. . . . . 1972  
B.S., Louisiana State University; M.A., Ed.S., University of Alabama.
- Grasser, Robert E., *Adjunct Instructor of Government*. . . . . 1974  
B.S., University of Cincinnati; M.C.P., Ohio State University; M.P.A., Auburn  
University at Montgomery.
- Greene, Herbert Walter, *Instructor of Education*. . . . . 1974  
B.S., M.Ed., Auburn University.
- Greenhaw, H. Wayne, *Adjunct Instructor of Journalism*. . . 1974  
B.S., University of Alabama; Attended Instituto Allendo (Mexico) and Harvard  
University.
- Gregory, Vickie, *Librarian II*. . . . . 1976  
A.B., M.A., M.L.S., University of Alabama
- Guy, Fred Stephen, *Adjunct Instructor of Mathematics*. . . 1975  
B.S., M.Ed., Auburn University.
- Haff, Wallace K., *Adjunct Assistant Professor,  
Air University*. . . . . 1973  
B.S., United States Military Academy; M.S.A., George Washington University.



- Hamilton, John B., Jr., *Assistant Professor of Chemistry*. . . 1972  
B.A., Bellarmine College; Ph.D., Case Western Reserve University.
- Hardy, Donald F., *Instructor of Government*. . . . . 1975  
B.S., M.A., Miami University.
- Hare, Ronald W., *Adjunct Instructor of Mathematics*. . . . 1975  
B.S., Florida State University; M.S., Stanford University.
- Harrison, C. Barker, *Associate Professor of Education*. . . . 1975  
B.S., Mississippi State College; M.S., George Peabody College; Ed.D., University of Tennessee
- Harrison, Danny E., *Assistant Professor of Sociology*. . . . 1972  
B.A., Mississippi State University; M.C.E., Emory University; M.S., Ph.D., Mississippi State University
- Hart, Ross, *Adjunct Assistant Professor of Education*. . . . 1974  
B.S., M.S., Ed.D., Mississippi State University
- Hartford, Camille M., *Instructor of Accounting*. . . . . 1971  
B.A., Huntingdon College; M.B.A., Auburn University
- Hartford, Donald L., *Associate Professor*. . . . . 1976  
B.A., M.A., Ed.D., University of Kentucky.
- Hattaway, John L., *Consultant*. . . . . 1974  
B.S., M.S., Troy State University.
- Hemphill, Kenneth T., *Consultant*. . . . . 1970  
B.C.E., Auburn University.
- Hill, Joseph B., *Associate Professor of Mathematics and Head of Department*. . . . . 1969  
B.A., M.A., Washington State University; Ph.D., Auburn University.
- Hill, Patricia N., *Assistant Professor of English and Head of Department*. . . . . 1971  
A.B., Spring Hill College; M.A., Ph.D., Auburn University.
- Holsenbeck, Daniel C., *Associate Professor, General Administration, Assistant Vice President for Development*. . . . . 1975  
B.S., Auburn University; M.Ed., The Johns Hopkins University; Ph.D., Florida State University.
- Howard, Milo B., Jr., *Research Lecturer in History*. . . . . 1969  
B.A., M.A., Auburn University.
- Hunsicker, Frank R., *Adjunct Associate Professor*. . . . . 1972  
B.S.C., Ohio University; M.B.A., D.B.A., George Washington University.
- Hyland, Arthur W., *Instructor of Criminal Justice*. . . . . 1973  
Graduate of Laws, Virginia College of Law.
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B.S., M.A., University of Alabama; Ph.D., University of Arkansas.
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 B.S., Troy State University; M.A., Auburn University.
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B.A., M.A., Mississippi State University; Ph.D., Texas Tech University.
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B.S., B.A., Jacksonville State University; M.Ed., Ed.D., Auburn University.
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B.S., M.Ed., Ed.D., Auburn University.
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B.A., Samford University; M.A., Syracuse University.
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B.S., Mississippi State University; M.Ed., University of Southern Mississippi;  
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B.S., Baylor University; M.D., University of Tennessee.
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Forman, Janice, <i>Switchboard Operator.</i> . . . . .	1973
<i>Buildings &amp; Grounds</i>	
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