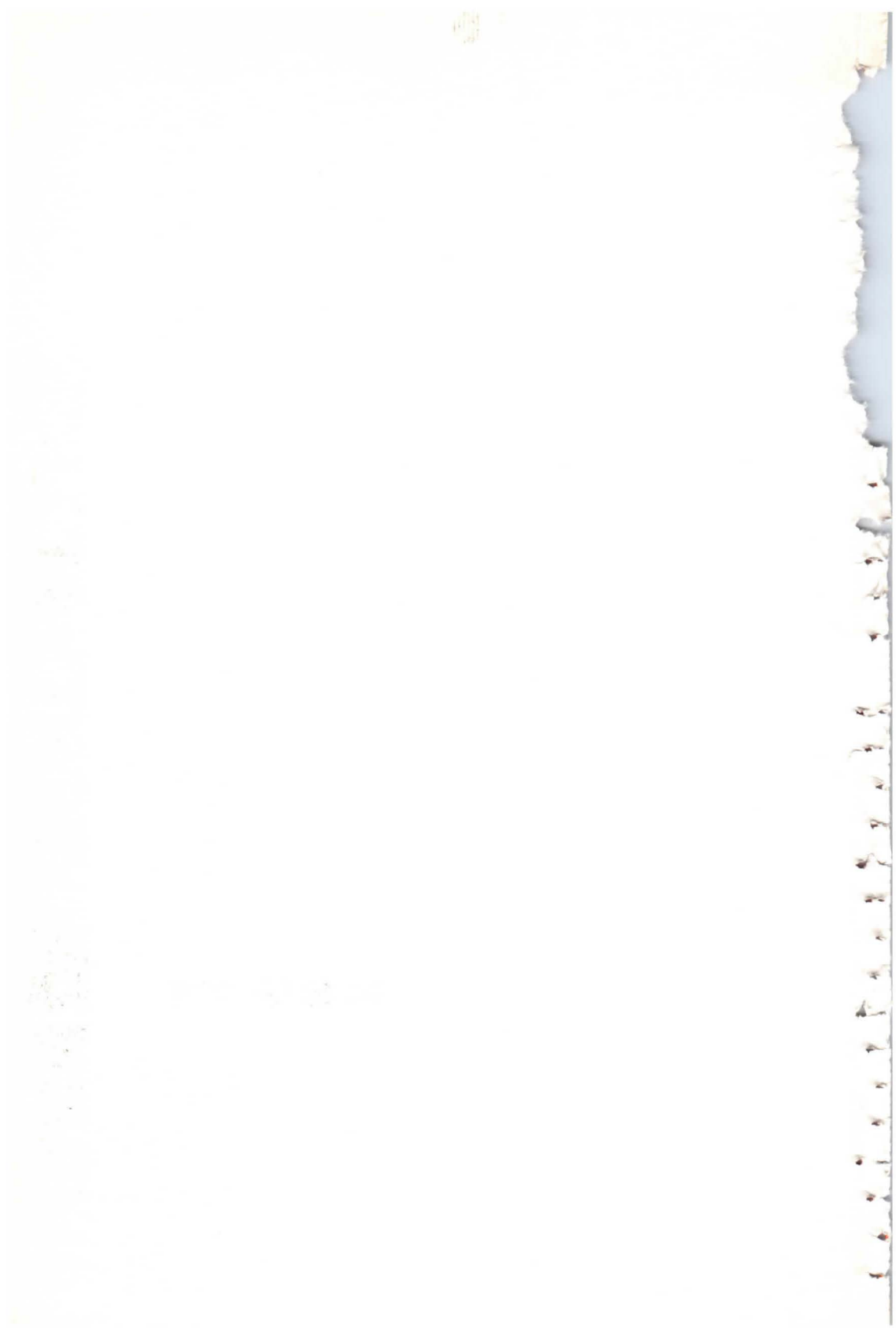


GRADUATE STUDIES BULLETIN 1973-1974

AUBURN UNIVERSITY AT MONTGOMERY



GRADUATE STUDIES BULLETIN

1973 - 1974

AUBURN UNIVERSITY AT MONTGOMERY

SKINNER PRINTING COMPANY
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AUBURN UNIVERSITY AT MONTGOMERY

CALENDAR 1973-74

1973—SUMMER QUARTER

May 23, Wednesday	Last day for completing applications for admissions
June 7-8, Thursday, Friday	Final Registration
June 11, Monday	Classwork begins
June 11-12, Monday, Tuesday	Schedule Adjustments
June 13-14, Wednesday, Thursday	Last date for registering or adding classes prior to second class meeting
June 25, Monday	Last day for refund
July 4, Wednesday	Independence Day Holiday
August 8-9, Wednesday-Thursday	Pre-Registration, 1 P.M.-7 P.M.
August 6, Monday	Classwork ends for 8-Week Term
August 7-10, Tuesday-Friday	Final Examinations For Eight-Week Term
August 15, Wednesday	Classwork ends
August 16, 20, 21, 22, Thursday, Monday, Tuesday, Wednesday	Final Examinations
August 23, Thursday	Graduation 7:30 P.M. Graduates must arrange early finals

1973—FALL QUARTER

September 3, Monday	Last day for completing applications for admissions
September 21, Friday	New Student Registration-Orientation
September 24-25, Monday-Tuesday	Final Registration
September 26, Wednesday	Classwork begins
September 26, 27, Wednesday, Thursday	Schedule Adjustments
October 1-2, Monday-Tuesday	Last date for registering or adding classes prior to second class meeting
October 9, Tuesday	Last day for refund
November 21-25, Wednesday-Sunday	Thanksgiving Holiday
November 28-29, Wednesday-Thursday	Pre-Registration, 1 P.M. - 7 P.M.

December 6, ThursdayClasswork ends
December 10, 11, 12, 13, Monday-ThursdayFinal Examinations
December 14, FridayGraduation 7:30 P.M.
Graduates must arrange early finals

1974—WINTER QUARTER

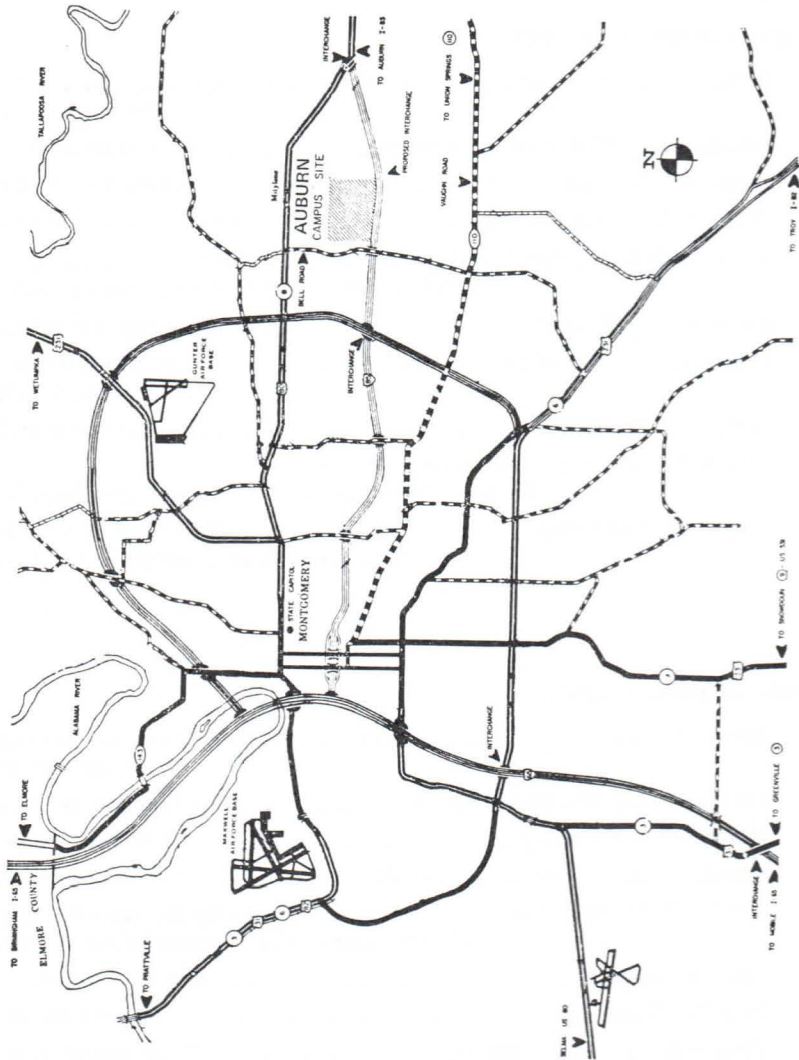
December 11, TuesdayLast day for completing applications
for admissions
January 2-3, Wednesday-ThursdayFinal Registration
January 7, MondayClasswork begins
January 7-8, Monday-TuesdaySchedule Adjustments
January 9-10, Wednesday-ThursdayLast date for registering or
adding classes prior to second class meeting
January 21, MondayLast day for refund
February 27-28, Wednesday-ThursdayPre-Registration
1 P.M.-7 P.M.
March 12, TuesdayClasswork ends
March 13, 14, 18, 19, Wednesday, Thursday,
Monday, TuesdayFinal examinations
March 20, WednesdayGraduation 7:30 P.M.
Graduates must arrange early finals

1974—SPRING QUARTER

March 4, MondayLast day for completing applications
for admissions
March 25, 26, Monday-TuesdayFinal Registration
March 27, WednesdayClasswork begins
March 27-28, Wednesday, ThursdaySchedule Adjustments
April 1-2, Monday-TuesdayLast day for registering or
adding classes prior to second class meeting
April 9, TuesdayLast day for refund
May 30, ThursdayClasswork ends
June 3-6, Monday-ThursdayFinal examinations
June 7, FridayGraduation 7:30 P.M.
Graduates must arrange early finals

LOCATION

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.



THE CAMPUS AND BUILDINGS

At present, the campus has three major buildings — the Classroom Building, the Library (first phase), and the Student Center (first phase).

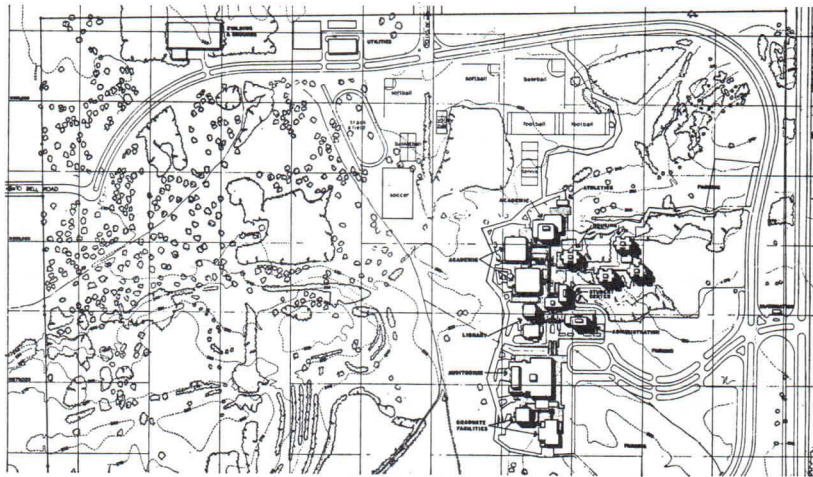
The Classroom Building contains approximately 100,000 square feet. The four academic divisions and the Division of Continuing Education are located here. Most of the University's instructional program takes place here.

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 few years.

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

The first phase of the second Classroom Building is under construction and will be occupied in the fall of 1974.

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



ADMINISTRATIVE COUNCIL

- 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. H., Jr. *Vice President, 1968*
 B.S., M.S., Auburn University; Ph.D., Louisiana State University.
- Boyne, John J. *Director, Air University Grad. Div., 1968*
 A.B., M.A., Univ. of Alabama; Ph.D., Univ. of North Carolina.
- Clark, William D. *Chairman, Div. of Business, 1969*
 B.S., M.B.A., Ph.D., University of Arkansas.
- Cook, William J., Jr. *Assistant to the Vice President, 1969*
& Chairman, Division of Liberal Arts
 A.B., Jacksonville State University; M.A., Ph.D., Auburn University.
- Dunlavy, Darold *Director, Admissions, 1971*
 B.A., M.Ed., University of Montevallo.
- Pastorett, Richard T. *Director, Library, 1969*
 B.S., Mount St. Mary's; M.S., Florida State University.
- Boyles, Wiley R. *Chairman, Division of Sciences, 1972*
 B.S., University of Chattanooga; Ph.D., University of Tennessee.
- Daniel, Richard W. *Director, Continuing Education, 1972*
 B.S., M.Ed., Ed.D., North Carolina State University.
- Williams, James O. *Chairman, Div. of Education, 1969*
& Assistant Dean of Graduate School
 B.S., M.Ed., Ed.D., Auburn University.
- Worthington, Jack E. *Director, Finance, 1969*
 B.S., Auburn University.

GRADUATE COORDINATING COMMITTEE

- James O. Williams, B.S., M.Ed., Ed.D.
Assistant Dean of Graduate School, Chairman
- Eldon J. Carns, B.A., Ph.D.
Professor of Biology
- John J. Boyne, A.B., M.A., Ph.D.
Director, Air University Graduate Division
- William D. Clark, B.S., M.B.A., Ph.D.
Chairman, Division of Business

FACULTY APPROVED FOR GRADUATE TEACHING

- Bigger, Chester H., *Associate Professor of Management*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.
- Bogie, Donald W., *Assistant Professor of Sociology*1971
B.A., Georgetown College; M.A., Ph.D., University of Kentucky.
- Boyer, Joe L., *Associate Professor of Education*1971
B.S., Tennessee A & I; M.S., University of Illinois; Ph.D., Ohio State University.
- Boyne, John J., *Professor, Air University Graduate Div.*1968
A.B., M.A., University of Alabama; Ph.D., University of North Carolina.
- Boyles, Wiley R., *Associate Professor of Psychology*1970
B.S., University of Chattanooga; Ph.D., University of Tennessee.
- Brown, Faye M., *Director, SSCLRS, Education*1971
B.S., Jacksonville State University; M.A., University of Alabama; Ed.D., University of Alabama.
- Brown, Stephen W., *Assistant Professor of Education*1970
B.A., Northeast Louisiana State College; M.E., Louisiana State University; Ed.D., Mississippi State University.
- Cairns, Eldon J., *Professor of Biology*1970
B.A., University of California at Los Angeles; Ph.D., University of Maryland.
- Campbell, Ken C., *Assistant Professor of Education*1970
B.S., Florida State University; M.A., Florida Atlantic University; Ed.D., University of Georgia.
- Clark, William D., *Associate Professor, Div. of Business*1969
B.S., M.B.A., Ph.D., University of Arkansas.
- Cook, William J., Jr., *Associate Professor, Div. of Liberal Arts*1969
A.B., Jacksonville State University; M.A., Ph.D., Auburn University
- Cooper, Melvin G., *Instructor, Government*1972
J.D., University of Tennessee; M.A., West Virginia University; M.S., George Washington University.
- Dodd, Donald B.,
Associate Professor of History and Government1969
B.S., Florence State University; M.A., Auburn University; Ph.D., University of Georgia.
- Elrod, Joe Marlan, *Assistant Professor of Education*1972
B.S., Nicholls State University; M.S., Louisiana State University; Ed.D., Louisiana State University.

- Gordon, Bruce G., *Assistant Professor of Education*1971
B.S., M.S., State College of New York at Buffalo; Ed.D., University of Georgia.
- Graham, Theresa McWhorter, *Inst., Div. of Education*1972
B.S., Louisiana State University; M.A., Ed.S., University of Alabama
- 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.
- Hill, Joseph B., *Assistant Professor of Mathematics*1969
B.A., M.A., Washington State University; Ph.D., Auburn University.
- Hill, Patricia N., *Assistant Professor of English*1971
A.B., Spring Hill College; M.A., Ph.D., Auburn University.
- Ingram, Jerry J., *Assistant Professor of Business*1970
B.S., M.A., University of Alabama; Ph.D., University of Arkansas.
- Johnson, Raymond M., *Assistant Professor of Business*1970
B.S., M.B.A., University of Southern Mississippi; Ph.D., Oklahoma State University.
- Jones, James O., *Instructor of Management*1971
B.S., Mississippi State University; M.B.A., University of Texas.
- Lake, Robert C., *Assistant Professor of Accounting*1971
B.S., M.B.A., Louisiana State University in New Orleans; C.P.A. (Louisiana).
- Maxson, Robert C., *Assistant Professor of Education*1970
B.S., Arkansas A & M College; M.Ed., Florida Atlantic University; Ed.D., Mississippi State University.
- Moberly, H. Dean, *Assistant Professor of Economics*1970
B.S., Abilene Christian College; M.S., Texas Tech University; Ph.D., Texas A&M University.
- Moody, W. Bradley, *Instructor of Government*1972
B.A., M.A., Southwest Texas State College.
- Nance, Guinevera A., *Assistant Professor of English*1971
B.A., Texas Christian University, M.A., Ph.D., University of Virginia.
- Nanney, Jimmy R., *Assistant Professor of Mathematics*1970
A.A., Itawamba Junior College; B.S., Ph.D., University of Mississippi.
- Rabin, Jack M., *Assistant Professor of Government*1971
B.A., M.A., University of Miami; Ph.D., University of Georgia.
- Roche, Quentin C., *Associate Professor of Business*1969
B.S., University of Florida; M.S., University of Illinois; Ph.D., University of Alabama.
- Savage, Robert L., *Assistant Professor of Government*1971
B.A., Tarleton State College; M.A., University of Houston; Ph.D., University of Missouri-Columbia.
- Slattery, Patrick D., *Assistant Professor of Psychology*1972
B.A., M.A. Ed., Ph.D., Arizona State University.

- Sterkx, Henry E., *Professor of History*1969
B.A., M.A., Louisiana State University; Ph.D., University of Alabama.
- Sturgis, Margaret R., *Assistant Professor of Business*1969
B.A., M.A., University of Alabama.
- Tarver, John L., Jr., *Assistant Professor of Business*1972
B.S., M.S., University of Southern Mississippi; Ph.D., University of Arkansas.
- Teggins, John E., *Associate Professor of Chemistry*1971
B.Sc., Sheffield University; A.M., Ph.D., Boston University.
- Willard, Julia L., *Assistant Professor of Education*1972
B.S., B.A., Jacksonville State University; M.Ed., Auburn University; Ed.D., Auburn University.
- Williams, James O., *Associate Professor, Division of Edu.*.....1969
B.S., M.Ed., Ed.D., Auburn University.
- Woods, Paul Carlton, *Assistant Professor of Mathematics* ...1972
B.A., M.S., Ph.D., Florida State University.

GENERAL INFORMATION

Scope of Graduate Programs

Auburn University at Montgomery currently offers four graduate degrees: (1) Master's Degree in Public Administration (MPA), (2) Master of Business Administration (MBA), (3) Master of Political Science, (4) Master of Education (M.Ed).

The Master's Degree in Public Administration is offered through the Division of Sciences. The objective of the Public Administration Program is to provide those persons currently in public service, or those seeking to enter public service, with a broad education that will prepare them for general administrative positions at the municipal, state and national level.

The Master of Business Administration Program is administered through the Division of Business and is designed to prepare the student for administrative positions in business, government and other organizations. The program of study leading to the MBA degree consists of a prescribed pattern of graduate courses based on a common core of subjects which examines the functions of the executive and the environment of the administrator. Beyond this core, the student may choose to study in some depth any of a number of particular fields of business administration and economics.

The Division of Education offers graduate work leading to the Master of Education degree. Current graduate programs in education are designed primarily for elementary and secondary teachers, guidance counselors and school administrators.

The Master of Political Science is available only to students who desire to work toward a degree with broader disciplinary scope than Public Administration. Current courses emphasize the areas of comparative government and international relations as well as the behavioral sciences. This program is available by special arrangement with the Division of Sciences.

Admission Requirements

Graduation with a Bachelor's degree or its equivalent from an accredited college or university is requisite for admission to the graduate program. The undergraduate preparation of every applicant for admission must satisfy the requirements of a screening committee in the division where the work will be completed.

Applicants for admission to one of the graduate degree programs offered by AUM must submit to the AUM Admissions Office a formal application, transcripts of all previous college-level work and scores on the aptitude portion of the Graduate Record Examination.

When all relevant documents have been collected by the Admissions Office, the applicant's file will be transmitted to the division offering the program for which the prospective student has applied.

The Division will assign the applicant a screening committee composed of members of the faculty teaching graduate courses. This committee will meet to consider the qualifications of the applicant. Divisional screening committees will consider the applicant's undergraduate academic record and his scores on the Graduate Record Examination. When possible, the committee may request an interview with the applicant to further aid in the evaluation of the qualifications of the student.

The screening committees of all divisions are currently using a formula which weighs the undergraduate academic average and the Graduate Record Examination scores.

On the basis of the formula, and the other considerations enumerated above, the committee may recommend the admission of the applicant, the denial of admission, or it may recommend that validating work be done before a recommendation of admission or denial of admission is made by the committee.

If the screening committee determines that the applicant is likely to be successful, his application is approved and forwarded to the office of the Assistant Dean of the Graduate School, AUM. With the approval of the Assistant Dean, the applicant will be admitted to the graduate program.

Applications for admission to the graduate program should be received by the AUM Admissions Office three weeks prior to the beginning of the quarter in which the student expects to begin work. Official transcripts from all institutions previously attended must be forwarded from the appropriate registrar directly to the AUM Admissions Office.

Graduate Student Classifications

Classification 6: Full admission to graduate program for the purpose of earning a Master's degree.

Classification 8: Provisional admission; having an acceptable grade point average pending receipt of satisfactory GRE scores. Credit earned in this classification can be applied to the Master's program if accepted fully by the beginning of the second quarter of coursework.

Classification 13: Holds Master's degree from approved institution. Admission is for non-degree or certification purposes.

Graduation Requirements

Each graduate program requires a minimum of 48 to 51 quarter hours of work in courses acceptable for graduate credit. All four programs — the MPA, the MBA, the MPS, and the M.Ed. are considered to be professional programs designed to provide the student the depth of knowledge, skills, theoretical insights and leadership necessary for responsible positions in government, business or education. All graduate work taken to satisfy degree requirements may be completed on a full-time or part-time basis.

A foreign language is not required for completion of the Master's Degree. All programs currently offered are nonthesis programs but each requires acceptable performance on the appropriate comprehensive examination which is prepared by a committee in the academic division offering the degree. All programs have broadly defined requirements for admission regarding the undergraduate preparation of the student. These are included in the descriptions of each program. Also included are descriptions of the specific curricula for the programs.

Graduate courses available at AUM are of essentially two variations. First, there are courses numbered 600 or above which are open only to those students who have obtained graduate standing. Second, there are **some** 400 level courses which are open to upper division undergraduates or to graduate students. These courses are designated in the catalog and in the individual course schedule of offerings for each quarter. It can not be assumed that all 400 level courses are acceptable for graduate credit. In some cases, there are additional requirements for graduate level students in courses where there are enrolled both graduate and undergraduate students. Any graduate program must consist of courses at least 50% of which are numbered 600 or above. In most cases the student's individual program will exceed this requirement. All graduate level courses (those numbered 600 or above) have as prerequisite to enrollment either specific courses or graduate standing.

Application for Graduation

It is the responsibility of each graduate student to secure an appointment with his advisor during the quarter preceeding the quarter in which graduation is anticipated. At this time there should be a clear understanding regarding any remaining coursework to be taken by the student. Arrangements should also be made at this time to schedule the comprehensive examination during the final quarter. An application for graduation must be initiated by the student, approved by the appropriate division chairman and forwarded to the Assistant Dean for Graduate Studies not later than the second week of the quarter in which graduation is anticipated.

Each student must also deposit a graduation fee with the Registrar's Office not later than the second week of the quarter in which graduation is anticipated.

Tuition and Fees

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.

Payment of Tuition and Fees

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 calendar of events.

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 tuition on the same basis as other students (this does not apply to P.L. 815 or P.L. 894).

Basic Quarterly Charges

All fees are due and payable at the time of registration.

Full-time Students (10 hours or more)

Course Fee	\$ 175.00
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Part-time Students (not exceeding 9 hours per quarter)

Course Fee Per Credit Hour	\$ 15.00
Registration and Student Fees	\$ 10.00

Other Fees and Charges

Late Registration Fee	\$ 5.00
Auditing Fee (per quarter hour)	\$ 15.00
Schedule Adjustment Fee	\$ 5.00
Graduation Fee	\$ 10.00
Transcript Fee	\$ 1.00

Financial Assistance

Financial assistance for graduate students is a constantly changing factor. Students interested in financial assistance should contact the Division Chairman in the appropriate division or the Director of Financial Aid.

Transfer of Credit

Graduate work taken in residence at an approved graduate school may be transferred to Auburn University at Montgomery. Such credit will not be accepted until the student has completed fifteen hours of work in the graduate program at Auburn University at Montgomery. Credit accepted after the required fifteen hours of work at AUM must be acceptable to the student's advisor and to the Division Chairman in the appropriate division. The work must, of course, be pertinent to the students plan of study.

A student may transfer a maximum of three courses or ten quarter hours. Credit may not be allowed whenever the grade-point average on all graduate work taken elsewhere is less than 2.0 (B average) nor may transfer credit be used to improve the grade-point average on courses taken at Auburn University at Montgomery.

Under a special agreement between Auburn and the University of Alabama, a student earning a Master's degree at either institution, may take up to one-half of his course work at the other institution. Courses taken under provisions of this agreement must be approved in advance by the appropriate Division Chairman.

Part-time Study

Part-time students employed outside the University should keep in mind both the demands of graduate study and the demands of their outside employment when determining the course load to be carried in any given quarter. The student should consult with his employer and with his major advisor concerning his academic course load.

The master's degree program must provide association with resident faculty sufficient to permit individual evaluation of the candidate's capabilities and achievements. It will be the responsibility of the Assistant Graduate Dean to certify that students have met this requirement.

Off-Campus Study

Graduate courses are offered at off-campus locations for students who do not have convenient access to the graduate program provided on-campus. These courses are offered those students who are pursuing advanced degrees, up-grading themselves in their profession, or who require advanced study in order to meet certification requirements.

These courses are administered through the Division of Continuing education. Inquiries concerning the offering of off-campus courses should be directed to:

Division of Continuing Education
Auburn University at Montgomery
Montgomery, Alabama 36109
Telephone: 279-9110

Correspondence Work

No credit toward the Master's degree will be allowed for work done by correspondence.

Course Load

Fifteen (15) quarter hours of work per quarter is the maximum course load to be carried by full-time graduate students. Because of the combinations possible for Division of Education students enrolled in four-hour courses they may take a maximum of sixteen (16) quarter hours. Graduate students must carry ten hours per quarter to be classified as full-time students.

Grade Requirements

Candidates for graduate degrees are required to maintain a grade point average of 2.0 (on a 3.0 scale) on all graduate work taken. A student is allowed to take no more than 15 hours in addition to his prescribed program in order to obtain this average. No grade below C will be accepted for graduate credit, but grades on all courses carrying graduate credit will be used in determining the over-all average unless the courses are designated to be taken without graduate credit prior to registration for the courses. Any course carrying graduate credit in which a grade of "D" is earned must be repeated unless the course is specifically identified by the major professor prior to the student's registration as a course not to be used for degree credit.

When a student becomes deficient by 12 or more honor points, he will then be dropped from Graduate School. He may be readmitted only when his department is willing to certify to the Assistant Graduate Dean that the student through sufficient study or course work has demonstrated his qualifications for readmissions.

Grades of "Incomplete" must be removed within a reasonable time following the assignment of the grade. Grades of "Incomplete" will be counted as "C" grades in determining eligibility for continuation in Graduate School. All grades of "Incomplete" must be removed before graduation.

GRADUATE WORK IN DIVISION OF BUSINESS

The Master of Business Administration program in the Division of Business is designed to prepare the student for administrative positions in business, government, or other administrative organizations. The program of study prescribes a pattern of graduate courses based on a common core of subjects, which examines the functional areas of administration.

This program is open to graduates from any field who have demonstrated evidence of capability to undertake graduate study. Evidence considered includes undergraduate performance, scores on the Graduate Record Examination, professional experience and recommendations from persons familiar with the applicants capabilities. Persons who do not hold an undergraduate degree in business, as ordinarily defined, or who have not had all the following prerequisite courses must complete them before taking graduate level courses; a possible exception to this policy may be granted in exceptional cases by the Admission Committee, the Coordinator of Graduate Studies, or the Division Chairman.

PREREQUISITE COURSES

Principles of Micro and Macro Economics
Principles of Accounting (2 courses)
College Algebra
Statistics
Principles of Marketing
Business Law
Principles of Business Finance
Principles of Management

THE MBA PROGRAM

The program of study consists of a common core of eight courses (six five-hour courses and two three-hour courses) and 15 hours of study which may be selected with the consent of the Division Chairman from those courses acceptable for graduate credit, or for advanced undergraduate credit. The course requirements are as follows:

Course No.	Course Title	Qtr. Hr. Credit
MN 604	Managerial Decision Theory	5
EC 600	Macro Economic Analysis	3
EC 601	Micro Economic Analysis	3
ACF 610	Managerial Accounting	5
EC 474	Business and Economic Statistics	5

MT 615	Marketing Management	5
ACF 663	Advanced Corp. Finance	5
MN 606	Management Problems	5
Electives		15
TOTAL		51

GRADUATE STUDY REQUIREMENTS

Graduate students must meet all general requirements of the AUM Graduate School pertaining to the master's degree.

A grade average of at least B in all courses attempted in the student's graduate program is required for graduation. At least 75 per cent of the total program must be passed with a grade of at least a B. Any grade below C is considered a failure in meeting the course requirements for a graduate degree.

The normal load will be ten hours per quarter. Course loads in excess of ten hours must be approved by the Division Chairman. Students are expected to make appropriate arrangements with their employers to meet classes on time, avoid absences due to out-of-town travel, and provide sufficient time to do library work, as required. Exceptions to requirements may be made only with the approval of the Division Chairman.

The student must pass a comprehensive examination prior to the completion of his last course work. If the student fails the examination, he may retake it after six weeks have elapsed from the date of the first examination. The Comprehensive Examination may be taken no more than three times.

DESCRIPTION OF REQUIRED COURSES

- ACF 610. Managerial Accounting (5). Pr., ACF 202.**
(For non-accounting major.) Survey of structure of accounting; use of accounting data in making decisions.
- ACF 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.
- EC 474. Business and Economic Statistics (5). Pr., MH 267, Jr. Standing.**
Probability distributions including the Poisson and "t" distribution; advanced time series analysis; chi square; multiple and partial correlation; statistical decision theory.

- EC 600. Macro Economic Analysis (3). Pr., EC 200, 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.
- EC 601. Micro Economic Analysis (3). Pr., EC 200, 202 and Graduate Standing or consent of instructor.**
Theory of consumer and firm behavior as they affect supply and demand in the market place. Includes product and factor pricing within specific market structures.
- MN 604. Managerial Decision Theory (5). Pr., Graduate Standing or consent of instructor.**
Both subjective and quantitative problem solving techniques are introduced and developed. The utilization of a systematic framework for problem analysis and solution in a variety of situations is stressed.
- MN 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.
- MT 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.

DESCRIPTION OF ELECTIVE COURSES

Courses for Advanced Undergraduates and Graduates

Accounting & Finance (ACF)

- 464. Investments (5). Pr., ACF 311, Jr. Standing.**
Individual investment policies, investment institutions and types of investments available.

Economics (EC)

- 454. History of Economic Thought (5). Pr., Jr. Standing.**
The development of economic ideas, principles, and systems of analysis from early times to the present.
- 462. Monetary Theory and Policy (5). Pr., EC 360, Jr. Standing.**
Advanced monetary and banking policy. Attention given to government fiscal policies and programs.

- 470. Economics of Welfare (5). Pr., Jr. 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.)
- 475. Quantitative Methods of Management (5). Pr., MN 267, Jr. Standing.**
Use of quantitative methods in managerial decision making.
- 490. Introduction to Econometrics (5). Pr., MH 161, MH 267, EC 200, and EC 202.**
Applications of mathematical and statistical techniques to economic analysis.
- 495. Urban Economics (5). Pr., EC 202 and MH 161.**
Economic theories and techniques of analyses are applied to urban problems.

Management (MN)

- 442. Personnel Management (5). Pr., MN 310, Jr. Standing.**
Management of labor, dealing with selection, training, placement, turnover, payment policies, employee representation, etc.
- 450. The Systems Approach (5). Pr., MN 330.**
A study of the basic concepts of systems analysis and project management, for application in industrial, governmental, or educational problem solving.
- 455. Automatic Data Processing Systems (5). Pr., MN 450.**
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.
- 460. Programming Systems and Language (5). Pr., MN 455.**
A study of high level programming languages and systems. Theoretical evaluation of the characteristics and applicability of high level programming system and languages; to include student research on an assigned system or language.

Marketing (MT)

- 434. Industrial Purchasing (5). Pr., MT 331, Jr. Standing.**
Objectives, control and the direction of industrial purchasing.
- 435. Marketing Problems (5). Pr., MT 331, Jr. Standing.**
Marketing problems, policies, costs, channels of distribution, terminal markets, trade barriers and legislation.

- 437. Sales Management (5). Pr., MT 331, MN 310, Jr. Standing.**
Principles and practices of sound organization and administration of sales organization. Includes consideration of: sales department organization, selecting, training, compensation, and supervising salesmen, sales planning, setting up sales territories and quotas and other problems.
- 441. 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.
- 472. Economics of Transportation (5). Pr., EC 202, Jr. Standing.**
The development of systems of transportation. Rates are studied as they affect agriculture, commerce and industry. Attention is also given to government regulations of transportation agencies.
- 473. 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.
Courses Primarily for Graduate Students

Accounting & Finance (ACF)

- 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.

Economics (EC)

- 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 or documents and observation. The analysis and presentation of research findings will be stressed.
- 620. The National Income and Capital Accumulation (5). Pr., EC 600, and 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.
- 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.

665. Seminar in Public Finance (5). Pr., EC 600, 601 or consent of instructor.

Theory and principles of public finance at an advanced level with special emphasis on fiscal policy.

690. Special Problems (1-5).

Variable content in the economics area.

Management (MN)

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.

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.

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 (MT)

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.

GRADUATE WORK IN EDUCATION

The Master of Education degree is designed to prepare the elementary or secondary teacher to assume leadership in teaching, curriculum development and supervision, counseling or administration. Admission to the program requires the possession of or qualification for a teacher's certificate. In rare cases where the student has in mind a clearly defined career objective, not requiring certification, exceptions may be made. Content of the program is based on the following assumptions:

1. The professionally trained elementary or secondary teacher who demonstrates leadership potential must have continuing and in-depth training to fully assume such leadership responsibility.
2. The instructional leader in the elementary or secondary school must possess knowledge and skills in the general areas of learning theory, human relations, evaluation of learning, curriculum development and evaluation, planning and decision theory, communication, teaching methods, research interpretation, and academic subject matter.
3. The types of educational programs and of educational personnel to be served in the Central Alabama area, composed of both urban and rural environs, are quite diverse. Students bring with them various backgrounds and diverse career objectives.
4. The skills and knowledge essential to the educational leader can best be facilitated by a three phase program consisting of foundations courses in education, an area of specialization within the educational field and supporting courses outside the area of specialization.

Foundations Courses in Education:

Each student must elect a minimum of three courses from the following four foundation courses in education:

FED 600: Education in Modern Society

FED 617: Advanced Educational Psychology

FED 647: Foundations in Curriculum and Teaching

FED 661: Research and Experimentation in Education

Areas of Specialization:

It is assumed that the student pursuing the Master of Education degree will have a specific career objective in focus. The M.Ed. program is designed so that the student may pursue an area of specialization in elementary education, secondary curriculum and teaching, counseling or administration. These options may be exercised by pursuing one of the following combinations of courses.

Elementary Education Option (Minimum 20 hours)

*EED 461	Current Theory and Practice in Teaching Reading	5
EED 652G	Curriculum and Teaching in Language Arts	4
EED 652H	Curriculum and Teaching Mathematics	4
EED 652K	Curriculum and Teaching Science	4
EED 496	Music in the Elementary Schools	4
EED 646	Studies in Education	1-3
EED 651	G, H, K, L. — Research Studies in Area of Specialization	4

Required Courses*A. Early Childhood Concentration**

EED 413	Program Activities in Early Education	5
EED 417	Guidance of Young Children	5
EED 421	Current Trends in Early Childhood Education	5
EED 423	Practicum in Early Education	5
EED 467	Parent Education	5

B. Special Education Concentration

IED 480	Education of Children With Special Learning Disabilities	4
IED 600	Advanced Study of Exceptionality	4
IED 601	Advanced Study of Educational Aspects of Mental Retardation	4
IED 651I	Research Studies in Education in Areas of Specialization	4
IED 652I	Curriculum and Teaching in Areas of Specialization	4

Secondary Education Option (4-8 hours)

SED 646	Studies in Education	1-4
SED 651	Research in Education in Areas of Specialization	4
SED 652	Curriculum and Teaching in Areas of Specialization	4

In addition to the above, each secondary education student must also take a minimum of twenty-five (25) hours of work in the appropriate teaching field as well as the 16 hours required in foundations courses.

Guidance and Counseling Option**(Required)**

CED 621	Principles of Guidance and Personnel Work	4
CED 628	Counseling Theory and Practice I	4
CED 633	Analysis of the Individual	4
CED 638	Information Services in Guidance	4
CED 659	Practicum	4

(Elect One)

CED 630	Group Procedures in Counseling	4
CED 632	Organization and Administration of Guidance Services	4

CED 627	Problems in Guidance	4
CED 629	Counseling Theory and Practice II	4
CED 625	Vocational Appraisal	4

Educational Administration and Supervision Option

(16-19 hours required)

AED 646	Studies in Educational Administration	1-3
AED 670	Fundamentals in Supervision	4
AED 681	Organization and Administration of Public Education	4
AED 683	The Leadership Role in Educational Administration	4
AED 688	Educational Finance	4

Supporting Courses Outside the Area of Specialization

A minimum of fifteen quarter hours of work must be taken by each student in graduate level courses outside his area of specialization. In most cases these courses will be outside the Division of Education. Such courses must be approved by the advisor and the Division Chairman before becoming a part of the student's approved program. Secondary education students must take a minimum of 25 quarter hours in the teaching field.

FOUNDATIONS OF EDUCATION

Courses Accepted For Graduate Credit Only

FED 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.

FED 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.

FED 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.

- FED 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.

ADMINISTRATION

Courses Accepted For Graduate Credit Only

- AED 646. Studies in Education (1-3). Pr., Division Approval.**
Study of a special problem in administration, supervision, guidance or higher education using research techniques.
- AED 670. Fundamentals of Supervision (5). Pr., Division 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.
- AED 681. Organization and Administration of Public Education (5). Pr., Division 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.
- AED 683. The Leadership Role in Educational Administration (5). Pr., Division 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.
- AED 688. School Finance and Business Administration (5). Pr., Division 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.

COUNSELOR EDUCATION

Courses Accepted For Graduate Credit Only

- CED 621. Principles of Guidance and Student Personnel Work (5). Pr., Division Approval.**
Basic course enabling students to develop a conceptual

framework for viewing the interrelationship of guidance and counseling in terms of (1) personal and social factors and (2) their place in a comprehensive program of student personnel work.

CED 627. Problems in Guidance (5). Pr., Division Approval.

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

CED 628. Counseling Theory and Practice I (5). Pr., Division 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.

CED 630. Group Dynamics in Counseling (5). Pr., Division Approval.

Studies in contemporary theories and analysis of concepts, models and pertinent research in group dynamics as it pertains to counseling.

CED 633. Analysis of the Individual (5). Pr., Division 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.

CED 638. Information Services in Guidance and Counseling (5). Pr., Division 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.

CED 659. Practicum in Area of Specialization. (Credit to be arranged.) Pr., Division 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.

ELEMENTARY EDUCATION

Courses Accepted For Graduate
Or Advanced Undergraduate Credit

EED 413. Program Activities in Early Education (5). Pr., EED 210, Jr. 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 young child. Observation and participation are included.

EED 417. Guidance of Young Children (5). Pr., EED 210, and Jr., Standing.

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 young 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.

EED 421. Current Trends in Early Childhood Education (5). Pr., EED 413, Sr. Standing or departmentally approved work in early education.

An investigation of developments, issues, and trends in early childhood education curriculum.

EED 423. Practicum in Early Education (3-10). Pr., EED 413 or to be taken concurrently.

A course designed to provide clinical experiences with pre-school children under close professional guidance. Observation and participation in the classroom and appropriate agencies are required.

EED 461. Current Theory and Practice in the Teaching of Reading (5). Pr., Division Approval.

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.

EED 467. Parent Education (5). Pr., EED 210, Jr. 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.

- EED 496. Music in the Elementary School (5). Pr., Division 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.

ELEMENTARY EDUCATION

Courses Accepted For Graduate Credit Only

- EED 646. Studies in Education (1-3). Pr., Division Approval.**
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.
- EED 651 G, H, K, L. (G) Language Arts, (H) Mathematics, (K) Science, and (L) Social Science. Research Studies in Education in Areas of Specialization (5). Pr., Division Approval.**
Review, analysis and interpretation of available research with emphasis on designing new research to meet the changing needs of the school.
- EED 652 G, H, K, L. (G) Language Arts, (H) Mathematics, (K) Science, and (L) Social Science. Curriculum and Teaching in Areas of Specialization (5). Pr., Division Approval.**
A critical study of teaching practices and reappraisal of selecting experiences and content for curriculum improvement.

SECONDARY EDUCATION

Courses Accepted For Graduate Credit Only

- SED 646. Studies in Education (1-3). Pr., Division Approval.**
Applies to one of the following areas of the secondary school program: (A) Art, (D) Foreign Languages, (G) English Language Arts, (H) Mathematics, (J) Music, (K) Science, (L) Social Science, (M) Speech Communication, and (N) Speech Pathology.
- SED 651 G, H, K, L. Research Studies in Education in Areas of Specialization (5). Pr., Division Approval.**
Review, analysis, and interpretation of available research with emphasis on designing new research to meet the changing needs of the school.
- SED 652 G, H, K, L. Curriculum and Teaching in Areas of Specialization (5). Pr., Division Approval.**
A critical study of teaching practices and reappraisal of selecting experiences and content for curriculum improvement.

SPECIAL EDUCATION**Courses Accepted For Undergraduate or Graduate Credit**

- IED 480. Education of Children with Special Learning Disabilities. (5). Pr., Junior standing and admission to Teacher Education.** Existing theories and instructional programs for children with special learning disabilities. Administrative arrangements, classroom management, individual educational evaluation and programming are emphasized.

Courses Accepted for Graduate Credit Only

- IED 600. Advanced Study of Exceptionality. (5). Pr., Appropriate Undergraduate preparation in Special Education or consent of instructor.**

An advanced study of the several types of exceptionality with an emphasis upon the educational and training implications of each.

- IED 601. Advanced Study of Educational Aspects of Mental Retardation (5). Pr., IED 600, or consent of instructor.**

An advanced study of mental retardation as a special area of exceptionality with emphasis upon the education and training needs of the retarded.

- IED 651 I — Research Studies in Education in Areas of Specialization (5). Pr., 18 hours of appropriate subject matter and 36 hours of psychology and professional education.**

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

- IED 652 I — Curriculum and Teaching in Areas of Specialization (5). Pr., 18 hours of appropriate subject matter and 36 hours of psychology and professional education.**

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

GRADUATE WORK IN THE DIVISION OF LIBERAL ARTS

The Division of Liberal Arts offers a limited number of graduate courses in English, History, Speech and Sociology, which at present are designed to support the Master's Degree Program in Education. Courses taught in the Division of Liberal Arts which are approved for graduate credit are as follows:

ENGLISH

- EH 450. Contemporary Poetry (5). Pr., Jr., Standing.**
The chief modern poets of England and America.
- EH 451. Shakespeare I (5). Pr., Jr. Standing.**
A study of the plays written before 1600, emphasizing comedies.
- EH 452. Shakespeare II (5). Pr., Jr. Standing.**
A study of the plays written after 1600, stressing tragedies.
- EH 456. The English Romantic Movement (5). Pr., Jr. Standing.**
Romantic Poetry from Blake through Keats.
- EH 457. Victorian Literature (5). Pr., Jr. Standing.**
The major poets and non-fiction writers from 1830 to 1890.
- EH 459. Poetry and Prose of the English Renaissance (5). Pr., Jr. Standing.**
The nondramatic literature of the Tudor Period.
- EH 461. Development of the English Drama (5). Pr., Jr. Standing.**
English Drama, exclusive of Shakespeare, from the beginning to 1642.
- EH 462. Eighteenth Century Literature (5). Pr., Jr. Standing.**
Poetry, prose and drama from Dryden through Shenstone.
- EH 463. Eighteenth Century Literature (5). Pr., Jr. Standing.**
Poetry, prose and drama from Johnson through Cowper.
- EH 481. English Novel I (5) Pr., Jr. Standing.**
The development of fiction from the Greek Romances through the novels of the 18th century, with emphasis on the English novelists of the 18th century.
- EH 491. American Poetry (5). Pr., Jr. Standing.**
Major American poets from the Colonial times to present.
- EH 492. American Drama (5). Pr., Jr. Standing.**
American dramatic and stage history from Colonial times

to the present, with emphasis on developing tastes and techniques.

EH 494. Major American Writers (5). Pr., Jr. Standing.

A study of a major figure or major figures in American literature.

EH 495. Southern Literature (5). Pr., Jr. Standing.

Representative southern writers from Colonial times to the present.

EH 654. Studies in the Nineteenth Century English Novel (5).

A study of the major Victorian novelists and of trends and developments in the English Novel during the Nineteenth Century.

EH 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.

EH 671. Studies in American Literature, 1800-1860 (5).

A study of the Major American Writers and genres within this period. The specific focus will be announced at each scheduling of the course.

HISTORY

HY 409. United States Diplomacy to 1890 (5). Pr., Jr. Standing.

Study of the principal events in the United States and relationships with foreign powers from 1776 to 1890.

HY 410. United States Diplomacy since 1890 (5). Pr., Jr. Standing.

The emergence of the United States from hemispheric power to total involvement in world affairs.

HY 413. The South to 1865 (5). Pr., Jr. Standing and HY 201.

The study of the origins, growth, and distinctive social, economic, cultural, and ideological patterns of the South from 1607 to 1865.

HY 414. The South Since 1865 (5). Pr., Jr. Standing and HY 202.

Study of the major trends in the South since the Civil War emphasizing the social, economic, and political developments from 1865 to the present.

HY 419. Critical Issues in American History (5). Pr., Jr. Standing or consent 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.

HY 420. Critical Issues in European History (5). Pr., Jr. Standing or consent of instructor.

A study in depth of the significant political, economic, and foreign controversies which have influenced the development of Europe from 1650-1960's.

HY 426. Renaissance & Reformation History (5). Pr., Jr. Standing.

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 to 1648.

HY 429. French Revolution & Napoleon (5). Pr., Jr. Standing.

Study of Europe from 1789 to 1815. Emphasis placed on the forces and factors causing revolution and reaction.

HY 478. Technology and Society in Pre-Industrial Times (5). Pr., Jr. Standing.

The interplay between technology and other aspects of human culture during selected periods of pre-industrial history, using various methods and approaches.

HY 479. Technology and Society in the Industrial Revolution (5). Pr., Jr. Standing.

Various approaches to the study of the interaction between technology, industry, and society in the United States and other countries during selected periods, normally in the late eighteenth and nineteenth centuries.

HY 480. Technology, Society and the Environment (5). Pr., Jr. Standing.

A study of contemporary social, technological, and environmental problems in historical perspective.

HY 619. American Historiography (5). Graduate Standing or Departmental Approval.

A study of the major themes and interpretations presented by historians of the United States.

HY 620. European Historiography (5). Graduate Standing or Departmental Approval.

A study of the major themes and interpretations presented by European historians.

HY 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.

SPEECH

- SP 450. Principles of Speech Correction (5). Pr., Jr. Standing.**
Not open to students emphasizing or majoring in speech correction or audiology. Basic principles underlying a speech correction program in a school setting. Description and discussion of speech disorders; surveys and identification techniques.
- SP 451. Speech Correction I (5). Pr., Jr. Standing and consent of instructor. For Speech Majors.**
The nature of the speech correction process with emphasis on disorders and disorders of articulation. Participation in clinic activities required.
- SP 452. Speech Correction II (5). Pr., Jr. Standing and consent of instructor.**
Continuation of SC 451 with emphasis on vocal disorders and disorders of rhythm. Participation in clinic activities required.
- SP 460. Introduction to Audiology (5). Pr., Jr. Standing and consent of instructor.**
Principles of auditory reception, the hearing mechanism, and the problems involved in measuring, evaluating, and conserving hearing.
- SP 601. Seminar in Communications (5).**
Deals with information theory; communication systems and nets; small group behavior and the communication organization interface.

SOCIOLOGY

- SY 401. Population Problems (5). Pr., Sr. Standing.**
Problems of quantity and quality of population including problems of composition distribution and migration. Attention is given to Alabama population.
- SY 402. Social Theory (5). Pr., Sy 201 or consent of instructor; Sr. or Graduate Standing.**
A survey of the range of contemporary social theory.
- SY 403. Contemporary Anthropology (5). Pr., Sy 211, Jr. Standing.**
Contemporary primitive, traditional and urban cultures, and recent research in cultural change.
- SY 404. Sociology of Power (5). Pr., SY 201, Jr. Standing.**
A systematic concern with the dimensions and distribution of power in social life.

- SY 405. Urban Sociology (5). Pr., Sr. Standing.**
Growth and decline of cities with special emphasis on ecological demographic characteristics, associations and institutions, class systems, and housing and city planning.
- SY 408. Industrial Sociology (5). Pr., Jr. Standing, SY201.**
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.
- SY 409. Sociology of Religion (5). Pr., SY 201, Sr. Standing, or consent of instructor.**
Analysis of religion as a social institution as found in the world's great religions.
- SY 431. Social Psychology (5).**
Major theoretical orientations and advanced research techniques in social psychology. (Same as PG 431).
- SY 604. Seminar in Race and Culture (5). Pr., SY 201 and SY 330 or consent of instructor.**
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.

GRADUATE WORK IN THE DIVISION OF SCIENCES

Auburn University at Montgomery offers a graduate program leading to a Master's Degree in Public Administration (M.P.A.). The objective of this program is to provide those persons currently in public service, or those seeking to enter public service, with a broad education that will prepare them for general administrative positions at the municipal, state, or national level.

The MPA degree is awarded by the faculty upon the student's passing of the Master's Comprehensive Examination and upon completion of the academic program. The academic program ranges from 48 to 50 quarter hours, depending upon the background and experience of the individual student. Most students will be required to take 50 quarter hours. Students who have strong undergraduate backgrounds in political science, history, economics, business administration, sociology, or psychology, or who have had appropriate career experience closely related to such fields will be considered to have sufficient preparatory foundation for admission.

Based upon background preparation, each candidate will design an individual program in consultation with a faculty advisor. All candidates for the MPA degree must demonstrate competence in: 1) administrative theory and processes; 2) political environment and institutions; and 3) a program specialty.

COURSES IN THE M.P.A. PROGRAM OF STUDY

All M.P.A. courses require graduate standing or permission of the instructor for a student to enter. A limited number of 400 level courses are taught on the graduate level as well.

There are four required courses in the program of study:

GV 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.

GV 604. Planning and Programming in the Government Service (5).

A review of the major concepts, issues and procedures in the Planning, Programming and Budgeting System procedure used on the federal level and a comparison of the PPBS budgeting system with the standard line-item (object of expenditure) system.

- GV 615. Seminar in Policy Formulation and Administration (5).**
Analysis in depth of factors and processes involved in policy development with particular attention to selected areas of national policy, emphasizing policy and program planning and development of agency goals and objectives.
- GV 635. Seminar in Public Administration (5).**
Processes, functions, theories, practices and systems from the literature of public administration.

In addition to the four required courses, the M.P.A. program of study offers the student a wide variety of elective courses from which to choose:

- GV 405. Environmental Problems (5).**
Current practice, theory and research pertinent to maintaining ecological balance while providing for the immediate needs of individuals and their social institutions. Concepts of environmental management.
- GV 430. Problems in Metropolitan Politics (5).**
Focuses upon selected problems of metropolitan areas and their possible resolution through public policy.
- GV 440. Public Personnel Administration (5).**
An analysis of the major areas in personnel administration; civil service, recruitment and testing, training, employee evaluation.
- GV 463. Administrative Law (5).**
General nature of administrative law; types of administrative action and enforcement; analysis of rule-making and adjudication; administrative due process; judicial review. Case method.
- GV 464. Recruiting, Selecting and Evaluating Personnel (5). Pr., GV 440.**
Application of psychological principles to recruiting, selecting, and evaluating personnel.
- GV 606. Human Factors in Community Development (5).**
Methods of human factors research applied to community development. Effects of changes in transportation and housing systems on individual and group behavior.
- GV 608. Seminar in Governmental Budgeting & Decision Making (3-5).**
An examination of the setting, practices and problems of public fiscal management; special attention to budgetary concepts and analytical techniques suitable to state and municipal governments.

- 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.
- GV 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.
- GV 637. Planning Legislation, and Administration (5).**
Legal tools of planning: zoning, subdivision regulations; housing codes; methodology and application; administrative procedures; the place of planning in the structure of governments; the capital improvement program.
- GV 638. Current Planning Issues (5).**
Examination of topical issues in the fields of urban and regional planning.
- GV 680. Quantitative Methods for Public Administration (5).**
Quantitative methods of use to public administrators in practice and research. These will include statistical and analytical techniques.
- GV 690. Special Problems in Public Administration (1-10).**
Advanced research in specific areas of public administration (as arranged).
- GV 691. Directed Readings in Political Science and Public Administration (1-10).**
Credit to be arranged.
- GV 695. Internship in Public Administration (1-5).**
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.

Admission: Admission to the internship program is dependent upon the following:

- (1) approval by the screening committee of the prospective intern's qualifications and his proposed project;
- (2) the successful completion of the four mandatory courses in the M.P.A. program: GV 603, Government Organization and

Administration; GV 604, Planning and Programming in the Government Service; GV 615, Seminar in Policy Formulation and Administration; and GV 635, Seminar in Public Administration;

- (3) the placement of the student in an agency of government.

Specific Requirements: GV 695 is a 1-5 credit course. The determination of the amount of credit granted each prospective intern is a decision for the public administration faculty.

Each intern has the responsibility, in consultation with his advisor and major professor, of creating a research design for the project he will undertake during his internship.

All interns, as a course requirement, will prepare a paper linking selected concepts and theories with various problems and interactions found in their agencies. The public administration faculty will assign each intern a project advisor who will work with and supervise each intern's project. The intern's project advisor will have the major responsibility for evaluating the intern's performance and paper after the completion of the internship.

The public administration faculty will work with the prospective intern in placing him in an agency and in contacting agency officials for their evaluation of the intern's performance.

THE POLITICAL SCIENCE PROGRAM

The program of study consists of a common core of seven courses (5 five-quarter hour courses and 2 three-hour courses) and 20 hours of study which may be selected with the consent of the Division Chairman from those courses acceptable for graduate credit, or for advanced undergraduate credit. The course requirements are as follows:

Course No.	Course Title	Qtr.	Hr.	Cr.
GV 611	Sem. in American Government		5	
GV 614	Issues in Public Administration		3	
GV 635	Sem. in Public Administration		5	
GV 645	Sem. in Comparative Government		5	
GV 665	Sem. in Political Theory		5	
GV 675	Sem. in Constitutional Law		5	
GV 685	Sem. in International Organization		3	
Electives			20	
			—	
	Total		51	

This program is available by special arrangement with the Division of Sciences.

COURSES SPECIFIC TO THE POLITICAL SCIENCE PROGRAM**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.

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 selecting topics.

GV 675. Seminar in Constitutional Law (5).

Selected areas of constitutional law with readings in depth in relevant cases and constitutional theory.

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.

Other Graduate Work in the Division of Sciences

In addition to the Master's Degree Programs in Public Administration and Political Science, the Division of Sciences offers a limited number of graduate courses in Mathematics and Psychology which are designed to support the Master's Degree Program in Education. Courses taught in the Division of Sciences which are approved for graduate credit are as follows.

MATHEMATICS**MH 450-451. Metric Spaces I, II (5-5). Pr., MH 321.**

The elementary properties of metric spaces with special attention to the line and plane.

MH 460-461. 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.

MH 423-424. Introduction to Complex Analysis I, II (5-5). Pr., MH 322.

Complex numbers, limits, differentiation, analytic functions. Integration, conformal mappings. Reimann surfaces.

MH 620-621. Functions of Real Variables I, II (5-5). Pr., Graduate Standing and approval of instructor.

Set theory, topology, locally compact Hausdorff space, abstract measure and integration, Reimann-Stieltjes integral, construction of a measure on locally compact Hausdorff space, Harr integral.

PSYCHOLOGY

- PG 415. Introduction to Tests and Measurements (5).** Pr., PG 212, Jr. Standing, MH 267.
Theory of measurement.
- PG 416. Test Construction and Administration (5).** Pr., PG 415.
Techniques of group measurement.
- PG 430. Perception (5).** Pr., Jr. Standing and PG 321, PG 322 or instructor's approval.
Theories of perception, emphasizing both general and individual factors that influence meaning.
- PG 431. Social Psychology.**
Theories and research in social behavior.
- PG 433. Personality (5).** Pr., Jr. Standing and PG 322 or departmental approval.
Types of abnormal behavior and their social and biological origins.
- PG 440. Physiological Psychology (5).** Pr., Jr. Standing and 20 hrs. of biological sciences, or departmental approval.
- PG 445. Animal Behavior (5).** Pr., Jr. Standing and 20 hrs. of biological sciences, or departmental approval. (Same as BI 445).
Analysis of unlearned and learned animal behavior and its evolutionary development, integrating the contributions of ethological and behavioristic research.
- PG 449. Introduction to Behavior Modification (5).**
The applications of the principles of learning to problems of individual behavior.
- PG 450. Learning (5).** Pr., Jr. Standing and PG 320 or departmental approval.
Theories of learning and their logical and empirical foundations.
- PG 451. Behavior Modification (5).** Pr., Jr. Standing and PG 349 or instructor's approval.
Elementary techniques.
- PG 452. Behavior Modification (5).** Pr., Jr. Standing and PG 451 or instructor's approval.
Intermediate techniques.
- PG 453. Behavior Modification (5).** Pr., Jr. Standing and PG 452 or instructor's approval.
Advanced techniques.

- PG 461. Industrial Psychology (5). Pr., Jr. Standing.**
The uses of psychology in business and industry.
- PG 462. Training and Supervision of Industrial Personnel (5). Pr., Jr. Standing.**
Application of the principles of learning to the training of factory, office and sales employees.
- PG 670. Individual Testing (5). Lec. 2, Lab. 10, Pr. PG 415 and Departmental Approval.**
Supervised practice in the administration and interpretation of individual intelligence tests.

AUBURN UNIVERSITY – AIR UNIVERSITY COOPERATIVE GRADUATE DEGREE PROGRAM

Auburn University—Air University Contract Program

In cooperation with Air University at Maxwell Air Force Base, Auburn University has offered since 1968 Master's degree programs in Political Science, Public Administration, Business Administration and Secondary Education. These classes meet at Maxwell AFB in facilities provided by the Air University.

Admission Policy

For admission to the Auburn program, Air War College and Air Command and Staff College students must have a bachelor's degree from a college or university accredited by the appropriate regional association, submit acceptable scores on Graduate Record Examination, the Aptitude Test, and must have at least a "B" average or the equivalent in their undergraduate work. Applicants with less than a "B" average or the equivalent in their undergraduate work may be admitted on probationary status pending completion of the first eight quarter hours of Auburn University course work with an average of "B" or better. Final acceptability of an applicant for admission will be determined by Auburn University at Montgomery.

Time Limit. Since this program is based on concurrent study in complementary curriculums, the student should normally complete his degree requirements during his AWC or ACSC assignment. Those AWC or ACSC graduates who have participated in the degree program to the extent of at least one-half of the required Auburn University at Montgomery course work while at AWC or ACSC, but who have not been able to complete all the requirements for the degree, will be allowed to complete the program at the Maxwell Center or on Campus at Auburn University at Montgomery any time within four years after their graduation from AWC or ACSC. Upon resuming work on the program, the student will pay the prevailing tuition rates. The entire degree program must be completed within a total time span of five (5) years.

Registration Information

Prior to arrival at AWC or ACSC students desiring to enroll in the Auburn University graduate program must:

- a. Complete an "Application for Admission" form. Mail this application to the **Registrar's Office, Auburn University at Montgomery, Montgomery, Alabama, 36109**, no later than August 15, 1973.

- b. Request the college which awarded your baccalaureate degree to forward an official transcript of your record to the **Registrar's Office, Auburn University at Montgomery, Montgomery, Alabama, 36109**. If you have attended any other college or university, official transcripts must also be requested and submitted to the same address. (Your personal copies of transcripts are not acceptable.) Do not request that the transcript be sent to you, to the Air University, or the Auburn University—Air University Center. Your application for admission will not be screened until all transcripts have been received.
- c. As stated above, applicants must also submit satisfactory scores on the Graduate Record Examination Aptitude Test. The test may be taken prior to arrival at Maxwell Air Force Base, but must be completed by the end of the first quarter in the graduate program. Arrangements to take the test must be made with the Educational Testing Service, 20 Nassau Street, Princeton, N. J., 08540, or 1947 Center Street, Berkeley, California, 94704.

Students who plan to enroll in the graduate program are not expected to report to AWC or ACSC ahead of the regular reporting date, but will remain at Maxwell until the middle of July in order to complete the fourth term and the Comprehensive Examination.

Information concerning the program may be obtained by writing to Director, Auburn University—Air University Graduate Program, Building 830, Maxwell AFB, Alabama, 36112 or by calling 293-7191 (area code 205) or AUTOVON Maxwell AFB.

