

Emory-at-Oxford
Oxford, Georgia

A Bulletin of
EMORY
UNIVERSITY
1963-1965

Other Divisions of the University

BESIDES EMORY-AT-OXFORD, Emory University comprises the following divisions:

1. THE COLLEGE OF ARTS AND SCIENCES, whose four-year curriculum leads to the degrees of Bachelor of Arts and Bachelor of Science, and in which students desiring to enter one of Emory's graduate or professional schools may complete requirements for admission to those schools. In the College is also the DIVISION OF TEACHER EDUCATION, with a full professional program extending through a fifth year in the Graduate School.

A high school graduate who has taken no college work may enter only the College of Arts and Sciences or Emory-at-Oxford.

2. THE SCHOOL OF BUSINESS ADMINISTRATION, which offers a two-year undergraduate course leading to the degree of Bachelor of Business Administration, and a graduate program leading to the degree of Master of Business Administration. Minimum entrance requirements: for the B.B.A., two years of college work; for the M.B.A., a bachelor's degree.
3. THE SCHOOL OF DENTISTRY, which offers a four-year course leading to the degree of Doctor of Dental Surgery and a graduate program leading to the Master of Science in Dentistry. Minimum entrance requirement: two years of college work for the D.D.S.; for the M.S.D., a degree in dentistry.
4. THE GRADUATE SCHOOL OF ARTS AND SCIENCES, which offers work leading to the master's degree and the Doctor of Philosophy degree in various specializations. Included in the Graduate School is the DIVISION OF LIBRARIANSHIP, which offers a professional program leading to a master's degree. Minimum entrance requirements: a bachelor's degree.
5. THE SCHOOL OF LAW, which has both day and evening divisions. It offers a three-year course leading to the professional degree of Bachelor of Laws, to which the minimum entrance requirement is three years of college work, and a graduate program leading to the degree of Master of Laws, to which the minimum entrance requirement is a Bachelor of Laws. It also offers the nonprofessional degree of Bachelor of Arts in Law, which may be awarded after a student has done from one to two years' work in the school.
6. THE SCHOOL OF MEDICINE, which offers a four-year course leading to the degree of Doctor of Medicine. Minimum entrance requirement: three years of college work.
7. THE SCHOOL OF NURSING, which offers programs leading to the degree of Bachelor of Science in Nursing and to the degree of Master of Nursing. The M.N. program is for qualified graduates of accredited collegiate programs in nursing.
8. THE SCHOOL OF THEOLOGY, which offers a three-year course leading to the degree of Bachelor of Divinity, and a two-year (six-quarter) course leading to the Master of Christian Education degree. Minimum entrance requirement: a bachelor's degree.

Bulletins of and additional information about any of these schools may be obtained by writing

THE REGISTRAR
Emory University, Atlanta 22, Georgia

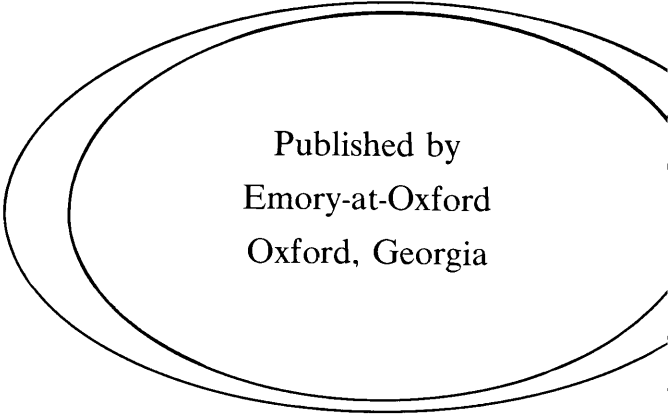
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A Bulletin of Emory University

VOLUME XLIX

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JULY 15, 1963



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Emory-at-Oxford
Oxford, Georgia

Academic Calendar

FALL QUARTER 1963

- SEPTEMBER 14, *Saturday*—New students and transfer students report for registration and orientation program. Dormitories and cafeteria open.
- SEPTEMBER 19, *Thursday*—Returning students report and complete registration.
- SEPTEMBER 20, *Friday*—Classes begin.
- SEPTEMBER 25, *Wednesday*—Last day for changing (dropping, adding) courses. Last day for cancellation and refunds. Matriculation fee and all reservation fees excluded from refund.
- SEPTEMBER 25, *Wednesday*—Annual Convocation.
- SEPTEMBER 26, *Thursday*—Withdrawal on and after this date. If student remains in school and drops part of work, no refund on courses dropped.
- OCTOBER 3, *Thursday*—Last day for dropping a course without incurring a "WF."
- OCTOBER 5, *Saturday*—Re-examinations and deferred examinations.
- OCTOBER 14-18, *Monday-Friday*—Religious Emphasis Week.
- OCTOBER 29, *Tuesday*—Midterm grades due in Registrar's Office.
- NOVEMBER 27-DECEMBER 1, *Wednesday-Sunday*—Thanksgiving recess.
- DECEMBER 4, 5, *Wednesday, Thursday*—Preregistration for winter quarter 1964.
- DECEMBER 11-14, *Wednesday-Saturday*—Final examinations.
- DECEMBER 14, *Saturday*—Fall quarter closes.

WINTER QUARTER 1964

- JANUARY 2, *Thursday*—Registration.
- JANUARY 3, *Friday*—Classes begin.
- JANUARY 8, *Wednesday*—Last day for changing (dropping, adding) courses. Last day for cancellation and refunds. Matriculation fee and all reservation fees excluded from refund.
- JANUARY 9, *Thursday*—Withdrawal on and after this date. If student remains in school and drops part of work, no refund on courses dropped.
- JANUARY 16, *Thursday*—Last day for dropping courses without incurring a "WF."
- FEBRUARY 6, *Thursday*—Midterm grades due in the Registrar's Office.
- MARCH 4, 5, *Wednesday, Thursday*—Preregistration for spring quarter 1964.
- MARCH 14-18, *Saturday-Wednesday*—Final Examinations.
- MARCH 19-23, *Thursday-Monday*—Spring recess.

SPRING QUARTER 1964

- MARCH 24, *Tuesday*—Registration.
- MARCH 25, *Wednesday*—Classes begin.
- MARCH 30, *Monday*—Last day for changing (dropping, adding) courses. Last

day for cancellation and refunds. Matriculation fee and all reservation fees excluded from refund.

MARCH 31, *Tuesday*—Withdrawal date. If student remains in school and drops part of work, no refund on courses dropped.

APRIL 4, *Saturday*—Classes meet.

APRIL 7, *Tuesday*—Last day for dropping courses without incurring a "WF."

APRIL 27, *Monday*—Midterm grades due in Registrar's Office.

MAY 13, 14, *Wednesday, Thursday*—Preregistration.

JUNE 2-5, *Tuesday-Friday*—Final Examinations.

JUNE 7, *Sunday*, 11:00 A.M.—Baccalaureate Sermon.

JUNE 7, *Sunday*, 3:30 P.M.—Annual Commencement; spring quarter closes.

SUMMER QUARTER 1964

JUNE 15, *Monday*—Registration.

JUNE 16, *Tuesday*—Classes begin.

AUGUST 15, *Saturday*—Summer quarter closes.

FALL QUARTER 1964

SEPTEMBER 18, *Friday*—New students and transfer students report for registration and orientation program. Dormitories and cafeteria open.

SEPTEMBER 22, *Tuesday*—Returning students report and complete registration.

SEPTEMBER 23, *Wednesday*—Classes begin.

SEPTEMBER 28, *Monday*—Last day for changing (dropping, adding) courses. Last day for cancellation and refunds. Matriculation fee and all reservation fees excluded from refund.

SEPTEMBER 29, *Tuesday*—Withdrawal date. If student remains in school and drops part of work, no refund on courses dropped.

SEPTEMBER 30, *Wednesday*—Annual Convocation.

OCTOBER 3, *Saturday*—Re-examinations and deferred examinations.

OCTOBER 6, *Tuesday*—Last day for dropping a course without incurring a "WF."

OCTOBER 12-16, *Monday-Friday*—Religious Emphasis Week.

OCTOBER 29, *Thursday*—Midterm grades due in Registrar's Office.

NOVEMBER 23, 24, *Monday, Tuesday*—Preregistration for winter quarter 1965.

NOVEMBER 25-29, *Wednesday-Sunday*—Thanksgiving recess.

DECEMBER 11-15, *Friday-Tuesday*—Final Examinations.

DECEMBER 15, *Tuesday*—Fall quarter closes.

WINTER QUARTER 1965

JANUARY 4, *Monday*—Registration.

JANUARY 5, *Tuesday*—Classes begin.

JANUARY 8, *Friday*—Last day for changing (dropping, adding) courses. Last day for cancellation and refunds. Matriculation fee and all reservation fees excluded from refund.

JANUARY 9, *Saturday*—Classes meet.

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JANUARY 9, *Saturday*—Withdrawal date. If student remains in school and drops part of work, no refund on courses dropped.

JANUARY 15, *Friday*—Last day for dropping courses without incurring a "WF." FEBRUARY 5, *Friday*—Midterm grades due in the Registrar's Office.

MARCH 2, 3, *Tuesday, Wednesday*—Preregistration for spring quarter 1965.

MARCH 13-17, *Saturday-Wednesday*—Final Examinations.

MARCH 18-28, *Thursday-Sunday*—Spring recess.

SPRING QUARTER 1965

MARCH 29, *Monday*—Registration.

MARCH 30, *Tuesday*—Classes begin.

APRIL 2, *Friday*—Last day for changing (dropping, adding) courses. Last day for cancellation and refunds. Matriculation fee and all reservation fees excluded from refund.

APRIL 5, *Monday*—Withdrawal date. If student remains in school and drops part of work, no refund on courses dropped.

APRIL 12, *Monday*—Last day for dropping courses without incurring a "WF."

APRIL 30, *Friday*—Midterm grades due in Registrar's Office.

MAY 18, 19, *Tuesday, Wednesday*—Preregistration for fall quarter 1965.

JUNE 8-11, *Tuesday-Friday*—Final Examinations.

JUNE 13, *Sunday*, 11:00 A.M.—Baccalaureate Sermon.

JUNE 13, *Sunday*, 3:30 P.M.—Annual Commencement; spring quarter closes.

EMORY-AT-OXFORD

1963-1965

Emory-at-Oxford is a division of Emory University. After the first two college years have been successfully completed at Oxford, students may transfer to Emory's Atlanta campus and there enroll for the last two years in the College or in an Emory professional school which requires only two years of pre-professional college work.

Emory-at-Oxford offers a unified and coherent program with emphasis on basic liberal arts for all students. The objective of this program is to provide students with the knowledge and perspectives of intellectually aware, disciplined and discriminating adults. Emory-at-Oxford believes that this aim can best be achieved in an atmosphere of intellectual honesty, freedom, and trust.

The institution strives to provide for the religious dimension of life. A serious college experience inevitably will include questions concerning beliefs, loyalties, and values. The college welcomes honest inquiry in an intellectually permissive atmosphere, without evasion or sectarianism.

The faculty of Emory-at-Oxford is composed of college teachers of proven competence who have a particular interest in teaching the introductory stages of the various disciplines. Thus the Oxford student is provided with the best type of guidance while he is forming his scholastic habits.

Studies, extracurricular activities, and social relationships are designed to give opportunities for self-expression and development of individual talents. Regulations are necessary to support the aims of the college and the order of the community, but the college experience far exceeds definition by rules. Honorable conduct is sought in all relationships, and growth in sensitivity, self-discipline and responsibility is a constant aim of campus life.

N.B.—This bulletin contains general announcements of Emory-at-Oxford, a division of Emory University, for the academic years 1963-65. Should it be necessary or desirable to revise information or regulations at any time, the right to do so is reserved. Whenever changes are made, the college will attempt to notify all persons who may be affected. Students are reminded, however, that it is their responsibility to obtain up-to-date information on academic and other college matters.

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ROBERT F. WHITAKER, *Assistant Secretary*

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of the University
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ORIE E. MYERS, JR., A.M. Dean of Administration and Director of Health
Services of the University
JOHN C. STEPHENS, JR., PH.D. Dean of the College of Arts and Sciences
VIRGIL Y. C. EADY, A.M., LL.D. Dean and Division Executive,
Emory-at-Oxford
J. HAMBY BARTON, JR., B.D., PH.D. Associate Dean, Emory-at-Oxford
EWELL E. BESSENT, B.B.A., C.P.A. Treasurer and Controller of the University
AUGUSTUS W. JACKSON, A.M. Business Manager, Emory-at-Oxford
DAVID W. ROBINSON, ED.D. Dean of Student Affairs of the University
DYAR MASSEY, A.M. Director of Development of the University
L. L. CLEGG, A.M. Director of Admissions of the University
IGNATIUS W. BROCK, PH.D. Registrar of the University
DALLAS M. TARKENTON, M.S., D.D. Registrar, Emory-at-Oxford
GUY R. LYLE, A.B., M.S. Director of Libraries of the University

* On leave of absence

Faculty of Emory-at-Oxford

- VIRGIL Y. C. EADY, Dean and Division Executive
A.B., Hendrix College, 1926; A.M., Emory University, 1936; LL.D., LaGrange College, 1952
- CARLTON J. ADAMS, Instructor in Chemistry
A.B., East Carolina College, 1959; M.S., Florida State University, 1962
- ROBERT W. ALLEN, Associate Professor of Foreign Languages
A.B., University of California at Los Angeles, 1942; A.M., Southern Methodist University, 1947; Diplome de Litterature Francaise Contemporaine, Sorbonne, 1948; Docteur de l'Université de Paris, 1952; LL.B., John Marshall University, 1961; J.D., *ibid.*, 1962
- ANDREW L. AUTRY, Assistant Professor of Chemistry
B.S., University of Georgia, 1956; M.S., *ibid.*, 1958
- J. HAMBY BARTON, JR., Associate Dean; Associate Professor of Social Studies
A.B., Emory University, 1941; B.D., Drew University, 1944; Ph.D., *ibid.*, 1960
- CHARLES A. BURNETT, Instructor in Physical Education
A.B., Wofford College, 1953; M.Ed., University of Georgia, 1963
- JAMES D. CAMP, Instructor in Social Studies
A.B., University of Chicago, 1954
- MELVIN L. CONRAD, Instructor in Biology
A.B., Southwestern College, 1950; A.M., George Peabody College for Teachers, 1956
- MARSHALL R. ELIZER, Associate Professor of Mathematics
A.B., Mercer University, 1934; A.M., University of Georgia, 1940
- ROBERT DURANT ENGLAND, Instructor in Humanities
B.S., University of Virginia, 1928; A.M., Oglethorpe University, 1933
- JOHN T. GARRIGUES, JR., Instructor in Foreign Languages
A.B., Syracuse University, 1952; A.M., Florida State University, 1958
- G. ROBERT GARY, College Pastor and Instructor in Bible
A.B., Emory University, 1953; B.D., *ibid.*, 1956
- JOHN W. GREGORY, Assistant Professor of Humanities
A.B., Mercer University, 1938; A.M., University of Georgia, 1947; Ed.S., George Peabody College for Teachers, 1955
- SARA McDOWELL GREGORY, Librarian
B.S., Georgia State College for Women, 1939
- JOSEPH EDWIN GUILLEBEAU, JR., Assistant Professor of Humanities
A.B., University of North Carolina, 1947; A.M., State University of Iowa, 1950; Ph.D., *ibid.*, 1951
- CURRY T. HAYNES, Associate Professor of Biology
A.B., Howard College, 1926; A.M., Wake Forest College, 1930
- CHARLOTTE E. HOLLAND, Instructor in Social Studies
A.B., Emory University, 1960; A.M., Emory University, 1961
- JOHN FRANCIS HOUGH, JR., Instructor in Social Studies
A.B., Emory University, 1958; B.D., Union Theological Seminary, 1961
- A. W. JACKSON, Assistant Professor of Physics; Business Manager
B.S., Louisiana State University, 1925; M.S., *ibid.*, 1938
- CAPT. RICHARD H. JACKSON, Assistant Professor of Air Science
B.S., Florida State University, 1954
- BRENDA JOYCE JENKINS, Instructor in Physical Education
B.S., Appalachian State Teachers College, 1962; A.M., *ibid.*, 1963
- JAMES DANIEL JORDAN, JR., Instructor in Social Studies
A.B., Furman University, 1955; B.D., Southeastern Baptist Theological Seminary, 1960

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- WADE T. MACEY, Instructor in Mathematics
B.S., Guilford College, 1960; M.S., Florida State University, 1962
- CHARLES E. MAJURE, Instructor in Foreign Languages
A.B., Millsaps College, 1959; A.M., Emory University, 1962
- CARLOS B. MEYER, Assistant Professor of Physical Education
A.B., Emory University, 1949; M.Ed., University of Georgia, 1958
- DAN C. MOORE, Associate Professor of Physics and Mathematics
A.B., Emory University, 1937; A.M., *ibid.*, 1940
- S. WAYNE NEWTON, Instructor in Physical Education
B.S., University of Georgia, 1962
- MAJOR EDWARD C. PATTERSON, Professor of Air Science
B.S., University of Maryland, 1956
- HOMER FRANKLIN SHARP, JR., Instructor in Biology
A.B., Emory University, 1959; M.S., University of Georgia, 1962
- DALLAS M. TARKENTON, Associate Professor of Social Studies; Registrar; Director of Admissions
B.S., District of Columbia Teachers College, 1951; M.S., University of Georgia, 1952; D.D., Holmes Theological Seminary, 1962

Emeriti

- WILBUR A. CARLTON, Associate Professor of Latin
A.B., Emory College, 1913; A.M., Emory University, 1920
- WILLIAM J. DICKEY, Associate Professor of Mathematics
A.B., Emory University, 1920
- MRS. JAMES HINTON, Librarian
- CLARENCE C. JARRARD, Associate Professor of Foreign Languages
A.B., North Georgia College, 1926; A.M., University of Georgia, 1928
- E. WALTON STROZIER, Associate Professor of Foreign Languages
A.B., Emory University, 1914; A.M., Columbia University, 1917
- M. C. WILEY, Associate Professor of Natural Sciences; Registrar
A.B., B.S., North Georgia College, 1914

Staff

- MISS MARTHA BRANHAM, Cashier
- MRS. CHARLOTTE BRANHAM, Secretary to the Registrar
- MRS. C. T. HAYNES, R.N., Infirmary Superintendent
- MISS THELMA HOLMES, Dietitian
- MRS. ALLEN PANNELL, Men's Housing Supervisor
- DRS. R. MORRIS PATY, E. JORDAN CALLAWAY, JAMES W. PURCELL, College Physicians
- MRS. SARA KATE PRATT, Secretary to the Dean
- MRS. REBECCA ROBERTSON, Assistant Dietitian
- MRS. GLADYS ODUM SHANNON, Women's Counselor and Housing Supervisor
- MRS. T. R. WILKIE, Book Store Manager

GENERAL INFORMATION

ACCREDITATION AND AFFILIATION

Fully accredited by the Southern Association of Colleges and Secondary Schools as a four-year junior college, by the University Senate of The Methodist Church and by the Georgia Accrediting Commission, Emory-at-Oxford also has membership in the Georgia Association of Colleges and the American Association of Junior Colleges. Emory University is a service of The Methodist Church, and the Oxford division retains particularly intimate ties with the North and South Georgia Annual Conferences.

EXPENSES

Charges for tuition, books, room and board will approximate \$475 a quarter during 1963-65. Charges for the summer quarter are the same as for any other term. A substantial portion of the total educational expense for each student is borne by the College through use of contributed funds and income from endowment.

As costs continue to rise in the economy generally, it is anticipated that educational costs will have to be adjusted from time to time. The College reserves the right to revise tuition and other charges whenever necessary.

College bills are rendered by the quarter and are payable in advance at the opening of the term. If for any reason payment cannot be made in advance, a student may arrange for monthly or other form of partial payment. Such arrangements must be made with the Cashier before the student's registration is complete.

Matriculation Fee—Upon first registering in any division of Emory University, a student is required to pay a matriculation fee of \$5. This fee is payable only once, and applies in any division of the University to which a student may subsequently transfer. There are no other uniform academic or administrative fees in the College of Arts and Sciences.

Tuition—Tuition is \$260 a quarter, providing for full-time instruction in a normal program of study, use of required facilities and equipment, medical and health service, library services, and participation in student activities.

Part-time academic work (less than 12 quarter hours) is charged for at the rate of \$22 for each quarter hour. Those who take work on a part-time schedule are not eligible for medical and health service nor participation in student activities.

Room and Board—Except for day students all students are expected to live in the dormitories and take their meals in the dining hall. The charge for room

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and board is \$185 per quarter; \$65 for room rent, \$120 for board. Day students may make special arrangements for occasional meals. These charges are necessarily subject to change and cannot be binding upon the housing and food services, but notice of any change will be given.

REFUND POLICY

In case of withdrawal within the first five weeks of a quarter, an adjusted proportionate refund of tuition and fees will be granted. No refund will be allowed when a student is dismissed.

FINANCIAL ASSISTANCE

Scholarships, part-time work, and loans are available on the basis of ability and need. No formal examination is required for student aid, but application must be made on a prepared blank which may be obtained from the Registrar. Scholarships ranging from \$100 to full tuition are awarded for a year at a time but contingent upon acceptable progress each quarter. University funds and federal funds as arranged by the University are available for loans to qualified students. Part-time jobs are available in offices, the cafeteria, laboratories and campus buildings, and on the grounds.

Students preparing for the active ministry or missionary service of The Methodist Church will be given special consideration as applicants for scholarships.

LIVING ACCOMMODATIONS

Students are housed in five residence halls. Student preferences in room assignments are followed to the extent possible. A men's counselor and a women's counselor supervise all housing and housekeeping arrangements with the assistance of student leaders. Pamphlets describing dormitory regulations are available from the Director of Student Affairs and the Women's Counselor.

Students furnish their own pillows, linen, and towels, and curtains if desired. Radios are permitted, but no cooking equipment may be used in dormitory rooms. Automobiles are permitted for sophomore or third-year students, subject to college regulations.

MEDICAL CARE

A report of a physical examination is required of all students, and the health needs of each student are under the direction of a full-time registered nurse, who supervises the student infirmary. A brochure on the health program is available upon request. Minor illnesses are cared for at the infirmary, and the services of the school physician are always available. Medical and hospital care are also available at Emory University Hospital, when required; the health program cannot assume responsibility for chronic conditions, eye refractions, dental care, and elective surgery.

Insurance—An optional, supplementary, group accident and sickness insurance plan is recommended at a very modest premium to all full-time students. This insurance provides benefits which include a maximum of \$500 for any one accident, up to 31 days at \$10 per day hospital board and room, up to \$225 surgeon's fee, and miscellaneous hospital or infirmary costs up to \$50. The specifications of this insurance were planned by the University to meet the more

likely needs of its students. The contract for the insurance is between the student and the insurance company. The annual premium covers a calendar year including holidays and summer vacation. The insurance is compulsory for all foreign students, unless they can prove adequate financial sponsorship within the United States. This insurance is also available for spouses and children of students. All students who wish to participate in intercollegiate or intramural athletics must enroll in the University approved policy or show evidence of comparable coverage.

ADMISSION REQUIREMENTS

An applicant may be admitted most advantageously at the opening of the fall quarter, and all students in the Basic Liberal Arts program must enter at this time. Applicants for the regular program and the Early Admissions program may be admitted also at the opening of the winter and spring quarters, provided a desirable schedule of classes can be arranged. The opening dates of each quarter are given in the Academic Calendar. All applicants for admission must take the Scholastic Aptitude Test (Morning Program) given by the College Entrance Examination Board. No special preparation is required for the test, and scores achieved will be among several items considered for admission. Application form and bulletin of information (including description of tests, dates, and lists of testing centers) may be obtained from the *College Entrance Examination Board, Box 592, Princeton, New Jersey*.

For admission to the Basic Liberal Arts program, a transcript must be presented; it must be signed by the principal of an accredited high school and show completion with superior performance of eight units (the first two years) of high school work. Admission to the Early Admissions program requires a similar transcript showing completion of three years of superior high school work.

Prospective students for the regular program who have completed four years of high school with not less than 16 acceptable units present certificates of their graduation from high school. The high school program should include English composition and literature, natural science, history and other social studies, foreign languages and mathematics. An applicant must have at least three units of mathematics. The applicant who ranks in the upper third of his graduating class will be given first consideration.

Formal application must be made on a blank which may be obtained from the *Registrar, Emory-at-Oxford, Oxford, Georgia*. All applicants must have transcripts of all previous high school and college work, signed by an official of the school, sent for evaluation. The right is reserved to reject any applicant whose high school program does not indicate adequate preparation for college work. A report of a physical examination is required and a blank for this report will be furnished.

The applicant is advised to make application and file his credentials as early as possible in the school year prior to his expected entrance to Emory-at-Oxford.

An advance payment of \$50 is required with formal application for admission. This payment is refundable if the student is not admitted or if notice of change of plans is given before June 1. Notice of acceptance or rejection will be mailed upon receipt of payment and consideration of the completed application and transcript. All new students are required to report a few days before the begin-

ning of classes for a period of tests, explanations, and conferences concerning the program of studies. This orientation period is given in the Academic Calendar.

REGULATIONS

Student Conduct—The Dean is charged with the responsibility for the administration of discipline; he has the advice of the faculty and the help of the faculty-student Honor Council (see Student Government and Honor Code). The student is expected to conform to all specific requirements, to submit to duly constituted authority, and in general to conduct himself in accordance with those ideals of Christian manhood for which the University stands. Evidence of inability or unwillingness to cooperate in the maintenance of these ideals may lead to probation, to request for withdrawal, or to dismissal.

Absences—A student is required to attend all meetings of the classes for which he is registered and to meet all other scheduled appointments, including chapel exercises. Absences are treated as factors in determining progress toward graduation; unavoidable absences must therefore be explained to the Registrar promptly and a method agreed upon with the instructor for making up the work.

Probation—The purpose of probation is to warn the student and to assist him in improving the character of his work. A student is put on probation whenever it appears that he is failing to reach the minimum standard of work needed for graduation. A student on probation is subject to certain restrictions regarding engaging in extraclass activities. Students who continue to fail their college work are dropped from the college rolls.

Reports—Reports of the student's grades are made to the parents at midterm and shortly after the close of each quarter. The parents are notified if a student is put on probation.

Withdrawal—A student who for any reason finds it necessary to withdraw at any time other than the close of a quarter is required to get permission; otherwise a letter of honorable dismissal cannot be granted.

Transcripts of Record—Transcripts of a student's entire academic and conduct record are available from the Oxford Registrar, and no partial or incomplete statements of record can be issued as official transcripts. One transcript of record will be furnished free, and additional copies will be prepared for \$1 each. No official statement of any kind will be issued for students whose records show financial indebtedness to the College.

STUDENT GOVERNMENT AND HONOR CODE

Elections for the officers of the student body are conducted annually in the spring quarter by the Student Activities Council, through which all extracurricular activities are cleared and regulated. Elected officers become members of the Activities Council, as do representatives from each recognized student organization. The elected officers, together with faculty representatives, compose the Student Judiciary Council. This honor council administers the Emory-at-Oxford honor code, which covers serious infractions of regulations. A third general council, in addition to the SAC and the SJC, is the Religious Activities Council (RAC), governing body and service organization for all denominational groups and other religious activities.

ACADEMIC INFORMATION

PROGRAMS OF STUDY

Emory-at-Oxford offers programs not only for qualified high school graduates, but also for students who have completed two or three years of high school work. High school graduates enter the regular college freshman class; those who have completed two years of high school enter the Basic Liberal Arts Program; those who have completed three years of high school enter as Early Admission students. All courses are taught by the one college faculty, and students showing superior achievement are enrolled according to their abilities and further academic intentions.

Upon satisfying the graduation requirements at Emory-at-Oxford the student qualifies for continuation in the junior class in the College of Arts and Sciences of Emory University.

The Basic Liberal Arts Program is in keeping with two widespread practices in contemporary education. Many leading universities are granting early admission (without graduation from high school) to students of exceptional promise, and many outstanding high schools are providing programs for the advanced placement of students of high achievement. In admitting students of such promise and achievement after two years of high school, Emory-at-Oxford combines the opportunities of these two practices and allows the student to begin higher education at age 16, when full mental age is being reached. Work during the first two years, even when identical with regular college courses, carries no formal college credit, and a student leaving Oxford after two years has no University credit to transfer. However, a student remaining in the Emory system may exempt certain courses normally required of freshmen.

Due to the more intensive nature of the work in the Basic Liberal Arts Program and by the elimination of any overlapping of materials between high school and college, the Basic Liberal Arts student should normally finish the sophomore year of college work at the end of his third year in the Basic Liberal Arts Program. A special certificate is awarded the student who satisfactorily completes the work of the Basic Liberal Arts.

The Early Admissions Program enables high school seniors to begin college work at the same time they are finishing studies equivalent to their secondary school requirements. Seven quarters are usually necessary for these students to graduate from Emory-at-Oxford. Any acceleration is by virtue of continued success in accomplishing additional studies.

The Regular Program, for high school graduates, embraces the traditional fresh-

man and sophomore years of college work. It is a regular part of the curriculum of the College of Arts and Sciences of Emory University.

AREAS OF STUDY

Programs of study at Emory-at-Oxford are planned to offer basic liberal education, with sufficient freedom to permit the able student to complete prerequisite courses for professional studies. Fields of knowledge in the curriculum are identified as: (1) the Humanities (English language and literature, the arts, and philosophy); (2) Social Studies (history, political science, economics, psychology, sociology, Bible, and philosophy); (3) the Natural Sciences (mathematics, physics, chemistry, and biology); (4) Foreign Languages (French, German, Greek, Spanish, Russian, and Latin); (5) Physical Education and Health Education and (6) Air Science (for those in the Air Force Reserve Officers Training Corps).

Courses in Air Science are open only to members of the ROTC. Physical Education is required of all students excepting veterans of armed services, and one hour of academic credit is allowed each quarter for satisfactory work. The student's other courses of study are chosen in conference with his adviser according to requirements for completion of the freshman and sophomore years.

Students in the Basic Liberal Arts program and the Early Admissions program have the same requirements for graduation, but several of their studies during the first two years are recognized as the equivalent of required courses. This recognition enables them to elect additional courses. Certificates of equivalency to the completion of high school work are issued to students of the Basic Liberal Arts Program who complete two years of satisfactory work and to students in the Early Admissions program who complete three quarters of satisfactory work.

The quantity unit of credit is the quarter hour: one hour of class work or one laboratory period each week for a term of approximately 12 weeks. The normal quarter's work is 15 hours (three courses) plus Physical Education and, for those in ROTC, Air Science. Completion of the freshman and sophomore years requires 96 credit hours, or 15 hours a quarter plus six hours' credit in Physical Education. A total of six hours of credit, counted as elective hours, may be earned in the Air Science program. Course credit for Air Science is based on the completion of the entire program, including the required leadership laboratory; a student who discontinues the program before completion receives no academic credit. In terms of courses and hours of credit, the minimum requirements for graduation from Emory-at-Oxford and completion of the freshman and sophomore years are as follows:

<i>Subject</i>	<i>Quarter Hours</i>
Humanities and English (101, 102, 103)	15
Foreign Language (101, 102, 103)	15
Mathematics (101)	5
Social Studies (101A, B; 102A, B; 103A, B; 104; one other)	25
Science (may include one additional course in Mathematics)	20
Electives	10
Physical Education	6

BASIC LIBERAL ARTS PROGRAM

The program for the Basic Liberal Arts student includes the following subjects:

	<i>First Year</i>	<i>Second Year</i>	<i>Third Year</i>	<i>Quarter Hours</i>
Humanities	11, 12, 13	23	31, 114	30
Social Studies	11, 12, 13	21, 22	104	30
Seminar	11, 12, 13	21, 22, 23		12
Mathematics	11, 12, 13		5 hrs.	20
Natural Science		21, 22, Chem. 101	10 hrs.	25
Electives			15 hrs.	15
Physical Education	3 hours	3 hrs.	3 hrs.	9
Foreign Language		15 hrs.		15

GRADUATION AND CONTINUATION STANDARDS

For graduation from Emory-at-Oxford the regular student must pass 96 quarter hours of acceptable work in the program in which he is enrolled. He must attain a minimum quality point average of 1.9 on all work attempted. These requirements must be attained in a maximum of eight quarters of residence. Basic Liberal Arts students, Early Admissions students, and transfer students have proportionate requirements.

Minimum requirements for continuation for the regular student from year to year at Emory-at-Oxford are as follows:

First year—a minimum of 32 quarter hours passed and a 1.5 quality point ratio on all work attempted.

Second year—a minimum of 80 quarter hours passed and a 1.74 quality point ratio on all work attempted.

If at any grading period a student fails to meet the standard for continuation he will be placed on probation and will come under the special counsel of the Dean for the continuation of his program. The sophomore student who fails to meet the standard for graduation but who meets the minimum standard for continuation will come under the special counsel of the Dean for the continuation of his program.

PRE-PROFESSIONAL PROGRAMS

Pre-Medical—The pre-medical is a regular student. Under exceptional circumstances the pre-medical requirements may be met in three years, two of which may be taken at Emory-at-Oxford. The two free electives must be taken in Science; and the normal requirements in Science for the two years include two of the following three-course sequences: Chemistry 101, 102, 113; Biology 101, 102, 105; Physics 101, 102, 103. A pre-medical student who takes English 99 and/or Math 99 must use these courses as free electives instead of the Science courses.

A pre-medical student who has maintained approximately a B/C average for nine five-hour courses may be allowed to defer 10 hours of uniform requirements to the junior or senior years if he is a three-year medical student. This deferment may allow the student to take the Organic Chemistry sequence or one of the major science sequences listed above. Basic Liberal Arts pre-medical

students who have a B average may elect Chemistry 101 in place of Physical Science 22.

Pre-Dental—The pre-dental student is a regular student. The pre-dental requirements may be met in three years, two of which may be taken at Emory-at-Oxford. Under very exceptional circumstances a pre-dental student may complete the entire 50-hour pre-dental science requirements in the two years at Oxford. Effective as of September 1965, the following science courses must be included in the three-year program, any six of which may normally be taken at Oxford; the student may also defer one or two of the uniform requirements to his junior year to take additional sciences. The courses are: Chemistry 101, 102, 113, 171, 172; Biology 101, 102, 105; Physics 101, 102 or 103.

Pre-Nursing—The pre-nursing student is a regular student and the requirements may be met in two years. The requirements are the same as for all students in Humanities, Foreign Language, and Mathematics. The Social Studies courses must include: Social Studies 101 through 104, 109, 111, 113. The science courses must include Chemistry 101, 103, Biology 101 and 102 or 105. It is unlikely that a pre-nursing student can qualify in six quarters if English 99 and/or Math 99 are needed.

THE GRADING SYSTEM

Grades and Quality Points—The grading system consists of the symbols A, B, C, and D to indicate credit; F to indicate failure; W to indicate withdrawal without grade; and WF to indicate withdrawal failing.

The value of each grade in quality points is as follows: For each quarter hour of credit, a grade of A entitles the student to four quality points; a grade of B, three quality points; a grade of C, two quality points; a grade of D, one quality point; a grade of F, no quality points. A total of 192 quality points is required for graduation.

COURSES OF INSTRUCTION

AIR SCIENCE

The mission of the Air Force Reserve Officers Training Corps is to select and prepare students, through a permanent program of instruction at civilian educational institutions, to serve as officers in the Regular and Reserve components of the USAF and to assist in discharging, where necessary, any institutional obligation to offer instruction in military training.

The Air Force ROTC program takes into consideration the fact that many of the academic subjects in which college students are enrolled have as much direct relationship to a military career as they have to a civilian career. The courses in the Air Force ROTC curriculum have been carefully selected to augment those academic subjects which will prepare the student for future service as an Air Force officer.

Air Science 101. *Air Science 1 Laboratory*. One two-hour session per week.

Introduction to the methods of Air Force organization and the requirements of "followership" at the elements and flight level. Opportunities provided for the cadet to subject himself to personal and group discipline, to identify himself with a group, and to acquire the training, poise, and self-confidence needed to conduct himself in a military manner.

Air Science 102. *Air Science 1 Laboratory continued.*

Air Science 103. *Air Science 1 Classroom.* Credit, 2 hours.

A general survey of air power designed to provide the student with an understanding of the elements and potentials of air power and general survey of aeronautical science to include: general aviation; elements of an aircraft; aerodynamics; guidance, control, and navigation, and propulsion systems. Air Science 1 Laboratory continued.

Air Science 104. *Air Science 2.* Credit, 2 hours.

A general survey of professional opportunities in the United States Air Force and military instruments of national security. Introduction to the fundamentals of aerospace weapons systems, warheads, missiles, principles of missile guidance, characteristics of manned operational aircraft, and propulsion systems.

Air Science 2 Laboratory.

Practice in elementary leadership activities involving small groups and an introduction to leadership methods and Cadet Corps organization at the group and wing level. The cadet is provided with opportunities to test his leadership skill in situations dealing with small groups and to recognize and accept personal responsibility.

Air Science 105. *Air Science 2.* Credit, 2 hours.

Treatment of aerospace warfare to include chemical and biological warfare, nuclear energy and effects of nuclear weapons, target intelligence, electronic warfare, defensive operations, Strategic Air Command, tactical operations, astronautics, and contemporary military thought.

Air Science 2 Laboratory continued.

Air Science 106. *Air Science 2 Laboratory continued.*

FOREIGN LANGUAGE

Modern foreign-language courses include five class periods and one hour of laboratory work a week. Practice in pronunciation is provided in laboratory by individual audition with ear phones and by a playback of tape recordings of student performance. Students enter foreign language study at the level of their ability in the language. Achievement of the third quarter is required of all students.

French 101. *Elementary French.* Credit, 5 hours.

Conversation, reading, and writing.

French 102. *Elementary French.* Continuation of 101. Credit, 5 hours.

French 103. *Intermediate French.* Credit, 5 hours.

Conversation. Readings in French civilization.

French 104. *Advanced Reading and Reports.* Credit, 5 hours.

Reading and oral reports on representative French authors.

French 105. *Conversation.* Credit, 5 hours.

German 101. *Elementary German.* Credit, 5 hours.

Conversation, reading, and writing.

German 102. *Elementary German.* Continuation of 101. Credit, 5 hours.

German 103. *Intermediate German.* Credit, 5 hours.

Conversation. Reading of modern German prose.

German 104. *Advanced Reading and Reports.* Credit, 5 hours.

Reading of modern German fiction.

Greek 101. *Elementary Greek.* Credit, 5 hours.

Elements of Classical Greek.

Greek 102. *Elementary Greek.* Continuation of 101. Credit 5 hours.

Greek 103. *Intermediate Greek.* Credit, 5 hours.

Intermediate Greek readings.

Latin 101. *Elementary Latin.* Credit, 5 hours.

Elements of Classical Latin.

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- Latin 102. *Elementary Latin*. Continuation of 101. Credit, 5 hours.
- Latin 103. *Intermediate Latin*. Credit, 5 hours.
Intermediate Latin readings.
- Russian 101. *Elementary Russian*. Credit, 5 hours.
Elements of Russian.
- Russian 102. *Elementary Russian*. Continuation of 101. Credit, 5 hours.
- Russian 103. *Intermediate Russian*. Credit, 5 hours.
Intermediate Russian readings.
- Spanish 101. *Elementary Spanish*. Credit, 5 hours.
Conversation, reading, and writing.
- Spanish 102. *Elementary Spanish*. Continuation of 101. Credit, 5 hours.
- Spanish 103. *Intermediate Spanish*. Credit, 5 hours.
Conversation. Readings in Spanish and Latin American civilization.
- Spanish 104. *Advanced Reading and Reports*. Credit, 5 hours.
Reading and oral reports on representative Spanish authors.

HUMANITIES

- English 99. *Grammar and Composition*. Offered in summer only. Credit, 5 hours.
Drill in effective use of the English language for students whose entrance examinations indicate special need.
- Humanities 11. *Literature and Composition; Introduction to Poetry*. Credit, 5 hours.
A course parallel to Humanities 101 adapted to the special needs of the Basic Liberal Arts program.
- Humanities 12. *Literature and Composition; Introduction to Drama*. Credit, 5 hours.
A course parallel to Humanities 102 adapted to the special needs of the Basic Liberal Arts program.
- Humanities 13. *Introduction to Art*. Credit, 5 hours.
A course parallel to Humanities 115 adapted to the special needs of the Basic Liberal Arts program.
- Humanities 23. *Literature and Composition; Introduction to Fiction*. Credit, 5 hours.
A course parallel to Humanities 103 adapted to the special needs of the Basic Liberal Arts program.
- Humanities 31. *Introduction to Music*. Credit, 5 hours.
A course parallel to Humanities 111 adapted to the special needs of the Basic Liberal Arts program.
- Humanities 101. *Literature and Composition; Introduction to Poetry*. Credit, 5 hours.
The first of a required three-quarter sequence devoted to three areas: composition, aesthetics, and literature. Composition includes the principles of reading for comprehension and the rhetorical forms of definition, comparison and contrast, and summary; aesthetics includes the problems of defining art including examples from painting and music; literature includes the problems of emotion, imagination, and thought in poetry with some attention to historical periods.
- Humanities 102. *Literature and Composition; Introduction to Drama*. Credit, 5 hours.
Prerequisite: Humanities 101. A continuation of Humanities 101. Composition includes the principles of semantics, classification, argumentative and persuasive writing; aesthetics continues with problems of form and classification; literature introduces the problems of plot, character, and symbolism in drama in a historical format.

Humanities 103. *Literature and Composition; Introduction to Fiction.* Credit, 5 hours.

Prerequisite: Humanities 102. The last of the Humanities sequence. Composition deals with principles of logic and the research paper; aesthetics continues with problems of response to art; literature introduces the problems of plot, character, theme, symbolism and style in the short story and novel with emphasis on contemporary works.

Humanities 110. *Introduction to Philosophy.* Credit, 5 hours.

An examination of the critical and speculative issues in the philosophical tradition and in contemporary thought. Attention is given to the bearing of modern science and logic upon the positions considered.

Humanities 111. *Music Appreciation.* Credit, 5 hours.

Designed to acquaint the student with elementary principles of form and style. Scores and recordings of selected masterpieces from Palestrina to Berg are studied. No previous musical experience necessary.

Humanities 114. *Cultural Study: The High Middle Ages.* Credit, 5 hours.

A study of the various arts which contributed to life of the High Middle Ages designed to demonstrate the interrelationship of the arts with the social, political and philosophical milieu.

Humanities 114B. *Cultural Study: The Renaissance.* Credit, 5 hours.

A study of the various arts which contributed to life of the Renaissance designed to demonstrate the interrelationship of the arts with the social, political and philosophical milieu.

Humanities 115. *Art Appreciation.* Credit, 5 hours.

Introduction to the visual arts, designed to increase the student's visual perception of works of art, and to provide historical perspective for an understanding of artistic achievements.

Humanities 116. *American Literature I.* Credit, 5 hours.

A study of American literary accomplishments from the beginnings to the Civil War.

Humanities 117. *American Literature II.* Credit, 5 hours.

A study of American literary accomplishments from the Civil War to the present.

PHYSICAL EDUCATION

PE 100. *Touch Football.* Fall quarter.

The course includes a knowledge of the history and rules of the game.

PE 101. *Basic Tumbling.* Fall and winter quarters.

The course includes a knowledge of the history of gymnastics and the basic competing rules.

PE 102. *Track and Field.* Spring quarter.

The course includes a knowledge of the rules and history of track and field.

PE 103. *Survival Swimming.* Fall, winter, and spring quarters.

The course is designed to teach a student to survive over a long period of time, even with the loss of use of one or more limbs.

PE 104. *Speedball.* Fall and winter quarters.

The course includes the knowledge of history and rules of the sport.

PE 105. *Rhythms.* Winter quarter. Freshman women.

The course includes (1) a survey of folk dance and rhythmic games and (2) the five fundamental principles of movement and their application to the dance.

PE 106. *Fundamental Skills.* Fall quarter.

The course is designed to help the student increase his physical fitness and his motor coordination in the basic movements of the body.

PE 107. *Outdoor Education.* Spring quarter.

The course teaches the basic skill of enjoyment of the outdoors for the individual and the group.

PE 108. *Softball.* Spring quarter.

Performance of the basic skills in a game situation is required.

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- PE 109. *Soccer*. Fall quarter.
The course requires a knowledge of the history and rules of the sport, the mechanics of officiating, and the nature of the game.
- PE 200. *Volleyball*. Fall quarter.
The course includes a knowledge of the history and rules of the game, mechanics of officiating, and game strategy.
- PE 201. *Basketball*. Winter quarter.
The course includes a knowledge of the history and rules of the game and mechanics of officiating, organization of tournaments, and offensive and defensive strategy.
- PE 202. *Tennis*. Fall and spring quarters.
A knowledge of history and playing rules.
- PE 203. *Golf*. Spring quarter.
Designed to develop skills, knowledge of rules, and history of the sport.
- PE 204. *Wrestling*. Winter quarter.
Designed to develop basic skills, knowledge of the history, rules, and strategies.
- PE 205. *Bowling*. Fall and winter quarters.
Designed to develop bowling skills and techniques, scoring, and knowledge of the history of bowling.
- PE 206. *Badminton*. Fall, winter, and spring quarters.
Designed to develop playing skills and techniques, scoring, and knowledge of the history of badminton.
- PE 207. *Archery*. Fall and spring quarters.
Designed to develop shooting skills and knowledge of the history and competing rules.
- PE 208. *Life Saving*. Spring quarter.
Designed to comply with American Red Cross Life Saving.
- PE 209. *Advanced Tumbling*. Winter quarter.
Designed to develop advanced skills in tumbling, parallel bars, free exercise, and trampoline.
- PE 210. *Weight Lifting*. Winter quarter.
Designed to develop skill and knowledge in weight lifting, Olympic lifts and weight training for sports.
- PE 211. *Rhythms*. Winter quarter.
The course includes (1) a survey of folk and square dances and (2) basic steps involved in social dances.
- PE 300. *Sports Appreciation*. Fall, winter, and spring quarters.
Designed to accommodate the physically handicapped students.
- PE 301. *Sports Appreciation*. Fall, winter, and spring quarters.
Advanced course for the physically handicapped.
- PE 302. *Corrective Exercise*. Fall, winter, and spring quarters.
Designed to help the handicapped or physically deficient student in his muscle development and use.
- PE 303. *First Aid*. Winter quarter.
Designed to meet the American Red Cross standard and advanced courses in First Aid.

MATHEMATICS AND SCIENCE

- Mathematics 11, 12, 13. *Modern Geometry*. Credit, 5 hours.
For students in the first year of the Basic Liberal Arts program. An integrated course in plane, solid, and analytic geometry along with the fundamental operations of algebra.
- Mathematics 99. *Review of Elementary Mathematics*. Credit, 5 hours.
Designed for students who are not prepared for Mathematics 101, this course includes a review of the fundamental operations of arithmetic and algebra.

Mathematics 101. *Introduction to College Algebra.* Credit, 5 hours.

This course emphasizes the topics of quadratics, variation, logarithms, inequalities, and mathematical induction. A few principles of trigonometry are considered.

Mathematics 104. *Trigonometry.* Credit, 5 hours.

Study of the theory of trigonometric functions and some of their applications.

Mathematics 171. *Analytic Geometry and Calculus.* Credit, 5 hours.

First in a sequence of three courses, this course includes the basic properties of the real number system, the integral, and the derivative, including theory as well as techniques. The integral is developed in terms of step functions. Prerequisite: Mathematics 104.

Mathematics 172. *Analytic Geometry and Calculus.* Credit, 5 hours.

A continuation of Mathematics 171, this course includes differentiation and integration of transcendental functions, introduction of differential equations, and vector algebra. Prerequisite: Mathematics 171.

Mathematics 173. *Analytic Geometry and Calculus.* Credit, 5 hours.

A continuation of Mathematics 172, this course includes the mean-value theorem and its applications, an introductory treatment of infinite sequences and series, and a brief account of improper integrals. Prerequisite: Mathematics 172.

Physical Science 21. *Problems in Physical Science, Part I.* Credit, 5 hours.

Intended for students in the second year of the Basic Liberal Arts program, this course is a study of the fundamental properties of matter from the viewpoint of both physics and chemistry. Topics include the mechanics of a particle, the molecular and atomic theories, and chemical and physical changes. The materials of the Physical Science Study Commission are used. Four classes and one three-hour laboratory period per week. Prerequisite: Mathematics 13.

Physical Science 22. *Problems in Physical Science, Part II.* Credit, 5 hours.

A continuation of Physical Science 21, this course is a study of energy and energy transformations from the viewpoint of both chemistry and physics. Electricity and electrical energy are principal topics. The materials of the PSSC are used. Four classes and one three-hour laboratory period per week. Prerequisite: Physical Science 21.

Physics 101. *Introductory Physics, Part I.* Credit, 5 hours.

An introductory course in college physics, covering the general subject of mechanics with emphasis on fundamental principles and concepts and their historical background. Four classes and one three-hour laboratory period per week. Prerequisite: Mathematics 101.

Physics 102. *Introductory Physics, Part II.* Credit, 5 hours.

A continuation of Physics 101, covering the general subjects of wave motion, sound, heat, and light. Four classes and one three-hour laboratory period per week. Prerequisite: Physics 101.

Physics 103. *Introductory Physics, Part III.* Credit, 5 hours.

A continuation of Physics 101, covering the general subjects of electricity, electronics, magnetism, and modern physics. Four classes and one three-hour laboratory period per week. Prerequisite: Physics 101.

Biology 101. *Introductory Biology.* Credit, 5 hours.

A study of the morphology and physiology of protoplasm at the cellular level. Cell formation, division, germ cell formation, fertilization and early cleavage. Representative plant and animal forms are emphasized in the introductory study of fundamental facts and principles of general biology. Introductions to mathematics and chemistry or physics give good background for understanding the fundamental facts and principles of general biology. Four classes and one three-hour laboratory period per week.

Biology 102. *Introductory Biology.* Credit, 5 hours.

A sequence to Biology 101. A view of the diversity of plant and animal life is presented with organization, development, maintenance, and integration being stressed. Brief introductions to genetics, evolution, and ecology are given and student project-problems are encouraged. Four classes and one three-hour laboratory period per week. Prerequisite: Biology 101 or the equivalent.

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Biology 105. *Introductory Vertebrate Zoology*. Credit, 5 hours.

An introduction to vertebrate organisms stressing morphology, and physiology of organ-systems of selected representative forms. Chordate types will be studied in the laboratory with the fetal pig receiving major emphasis. Four classes and one three-hour laboratory period per week. Prerequisites: Biology 101 and 102 or the equivalent. Biology 105 is a requirement for major biology interests.

Biology 106. *Introductory Botany*. Credit, 5 hours.

A natural sequential course that follows biology 101 and 102. Emphasis is placed upon a wide range of plant forms with the Tracheophyta of the campus area supplying the chief organisms for study. Morphology, physiology, and ecology are stressed, and student project-problems are encouraged. Four classes and one three-hour laboratory period per week. Prerequisites: Biology 101 and 102 or the equivalent. Biology 106 is a requirement for major biology interests.

Chemistry 101. *General Inorganic Chemistry*. Credit, 5 hours.

First course in an elementary sequence in general chemistry. Emphasis is placed on fundamental laws and modern theories. The laboratory work includes the study of the properties of matter and some quantitative experiments dealing with the laws and principles of chemistry. Four classes and one three-hour laboratory period a week.

Chemistry 102. *General Inorganic Chemistry*. Credit, 5 hours.

A continuation of Chemistry 101. Additional principles are studied. Some of the principles studied are chemical kinetics and equilibrium, oxidation and reduction, electrochemistry, and a study of some of the more common metals and nonmetals. The laboratory work includes some quantitative experiments and the application of chemical equilibrium in the separation and identification of some of the common positive and negative ions. Four classes and one three-hour laboratory period a week. Prerequisite: Chemistry 101 or the equivalent.

Chemistry 103. *Selected Topics in General Chemistry*. Credit, 5 hours.

A terminal course in chemistry, designed for non-science majors. Some principles of Chemistry 102 are studied, followed by a survey of topics in organic chemistry. The laboratory work includes experiments in titration of acids and bases and the preparation and study of some organic compounds. Four classes and one three-hour laboratory period a week. Prerequisite: Chemistry 101 or the equivalent.

Chemistry 113. *Introduction to Chemical Equilibrium*. Credit, 5 hours.

A study of chemical equilibrium as it applies to acidimetry and alkalimetry, precipitation, and oxidation-reduction. The laboratory work will involve quantitative analysis of unknowns using volumetric and gravimetric methods. Four classes and one three-hour laboratory period a week. Prerequisite: Chemistry 102 or the equivalent.

Chemistry 171. *Introductory Organic Chemistry*. Credit, 6 hours.

The first course in an integrated study of the hydrocarbons and some of the concepts necessary for an understanding of organic chemistry. Some of the concepts studied are bond energies, resonance, free radical mechanisms, carbonium ion mechanisms, and molecular orbital theory. The laboratory work includes methods of preparation, separation and purification of some of the main classes of compounds. Four classes and two three-hour laboratory periods a week. Prerequisite: Chemistry 102 or the equivalent.

Chemistry 172. *Introductory Organic Chemistry*. Credit, 6 hours.

A continuation of Chemistry 171. Additional classes of compounds are studied. The laboratory work involves the preparation of additional compounds and the identification of some unknowns. Four classes and two three-hour laboratory periods a week. Prerequisite: Chemistry 171 or the equivalent.

SOCIAL STUDIES

Social Studies 11, 12, 13, 21, 22, 31, form a separate curriculum for students in the Basic Liberal Arts program.

Social Studies 11. *The Hellenistic Tradition*. Credit, 5 hours.

A study of the institutions and ideas of the Greeks and Romans until the time of Constantine.

Social Studies 12. *The Judean-Christian Tradition*. Credit, 5 hours.

A survey of the political and religious experiences of Israel to the fall of Jerusalem in 70 A.D. The origins of the Christian Church and its development in the West to Charlemagne. Methods of study.

Social Studies 13. *European Heritage*. Credit, 5 hours.

An analysis of the institutions and ideas developed in Europe from the High Middle Ages until the Enlightenment.

Social Studies 21. *Modern Man and Modern Society*. Credit, 5 hours.

A political study of representative government and human rights, and of the effect of the technological revolutions upon man.

Social Studies 22. *Twentieth Century Cultures*. Credit, 5 hours.

An investigation of the "emerging nations," and of the problems of competing national interests.

Social Studies 31. *Social Studies Elective*.

Any of the advanced Social Studies listed below or an individual tutorial under an assigned professor, with special reading or Humanities 110 or Humanities 114.

Social Studies 101A and B, 102A and B, 103A and B, are required of all regular students in the two-year curriculum, and of Early Admissions students not participating in the Basic Liberal Arts program. No elective may be taken until after the completion of Social Studies 102A and B, and the three courses will normally be taken in the above sequence.

Social Studies 101A. *Western Civilization to 1450*. Credit, 3 hours.

The roots of Western Civilization in the Near East, Greece and Rome, and their interaction in the Middle Ages in Europe so as to form a new partly Germanic culture.

Social Studies 101B. *Source Readings in Western Civilization to 1450*. Credit, 2 hours.

Taken simultaneously with S.S. 101A, but as a separate grading entity. Reading and discussion of works by Plato, Aristotle, and Augustine.

Social Studies 102A. *Western Civilization, 1450 to 1800*. Credit, 3 hours.

The European and American civilizations during the Renaissance, Reformation, and Enlightenment.

Social Studies 102B. *Source Readings in Western Civilization, 1450-1800*.

Credit, 2 hours.

Reading and discussion of works by Machiavelli, Luther, Calvin, More, Descartes, Locke, Voltaire, and American political writers.

Social Studies 103A. *Western Civilization, 1800 to the Present*. Credit, 3 hours.

Economic, intellectual, political, social and cultural developments in European and American history.

Social Studies 103B. *Source Readings in Western Civilization, 1800 to the Present*. Credit, 2 hours.

Reading and discussion of works concerning existentialism, modern theology, secular humanism, Marxism, statist philosophies, and the Freudian influence.

Social Studies 104. *The Bible as History, Literature, and Inspiration*. Required. Credit, 5 hours.

Social Studies 105. *United States History to 1865*. Credit, 5 hours.

A survey of the colonial experience, the Revolution, the founding of the nation, and the Civil War period.

Social Studies 106. *United States History Since 1865*. Credit, 5 hours.

A survey of Reconstruction, the Gilded Age, the Populist Era, the New Nationalism, the World Wars, and the modern party battles. Prerequisite: Social Studies 105 or special permission of the instructor.

Social Studies 107. *Europe Since Waterloo*. Credit, 5 hours.

A diplomatic and political study of power politics, with some attention to social and cultural developments.

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Social Studies 108. *An Introduction to Political Science.* Credit, 5 hours.

Study of the history of modern political thought and action.

Social Studies 109. *Introduction to General Psychology.* Credit, 5 hours.

An introduction to psychology in the behavioristic tradition, with its emphasis on statistical relationships and the definition of human norms.

Social Studies 110. *An Introduction to Economic Thought.* Credit, 5 hours.

A study of the major economic institutions and buying habits of capitalistic society, and a history of economic theory.

Social Studies 111. *Introduction to General Sociology.* Credit, 5 hours.

A structural and functional analysis of the social order, primarily in America, and an introduction to ethnology.

Social Studies 112. *Introduction to the Social Sciences.* Credit, 5 hours.

A study of the principles and philosophy underlying the modern investigation of society by scientific methods.

Social Studies 113. *Educational Psychology.* Credit, 5 hours.

An investigation of the different theories of learning with practical work in observing classroom situations. Social Studies 109 not a prerequisite, but recommended.

