"... I charge them on a father's blessing never to let the motives of private interest or ambition induce them to betray, nor the terrors of poverty and disgrace, or the fear of danger or of death, deter them from asserting the liberty of their country and endeavoring to transmit to their posterity those sacred rights to which themselves were born."

ADMONITION TO HIS SONS BY GEORGE MASON IN HIS WILL, 1792

"... I am closing the last scenes of life by fashioning and fostering an establishment for the instruction of those who are to come after us. I hope its influence on their virtue, freedom, fame, and happiness, will be salutary and permanent."

THOMAS JEFFERSON
Number 1, January 15:
The College of Arts and Sciences: Announcements

Number 2, February 1:
The Graduate School of Business Administration: Announcements

Number 3, February 1:
The McIntire School of Commerce: Announcements

Number 4, February 15:
The School of Education: Announcements

Number 5, March 15:
Patrick Henry College: Announcements

Number 6, March 15:
The Summer Session: Announcements

Number 7, April 1:
The Graduate School of Arts and Sciences: Announcements

Number 8, April 15:
Clinch Valley College: Announcements

Number 9, April 15:
George Mason College: Announcements

Number 10, May 1:
The School of Engineering and Applied Science: Announcements

Number 11, May 15:
The School of Architecture: Announcements

Number 12, June 1:
The School of Nursing: Announcements

Number 13, July 1:
The School of General Studies: Announcements

Number 14, August 1:
The School of Law: Announcements

Number 15, August 15:
The School of Medicine: Announcements

Volume LIII
Number 9
April 15, 1967

The University of Virginia Record is published fifteen times a year by the University of Virginia at Charlottesville, Virginia. Entered as second-class matter September 18, 1914, at the Post Office at Charlottesville, Virginia, University Station, under the Act of August 24, 1912.

http://catalog.gmu.edu
CALENDAR

First Semester, Session of 1967-1968

Orientation for Faculty and New Students .................................................. Monday, September 11
Advising of Students ............................................................................... Tuesday, September 12
Registration, Returning Students ............................................................... Wednesday, September 13
Registration, New Students ...................................................................... Thursday, September 14
Beginning of Classes ................................................................................. Friday, September 15
Last Day for Adding New Courses ............................................................. Thursday, September 21
Last Day for Dropping a Course without Incurring an F Grade ................. Friday, October 6
Mid-Semester Grades Due ......................................................................... Monday, October 30
Thanksgiving Recess .................................................................................... Thursday, November 23
Christmas Recess ......................................................................................... Monday, December 18
Course Examinations ................................................................................... Friday, January 19

Second Semester, Session of 1967-1968

Advising of Students and Registration ........................................................ Wednesday, January 31
Beginning of Classes ................................................................................... Monday, February 5
Last Day for Adding New Courses .............................................................. Monday, February 12
Last Day for Dropping a Course without Incurring an F Grade ................. Monday, February 26
Last Day for June Seniors to File Degree Applications ............................. Friday, March 15
Spring Recess ................................................................................................ Monday, March 25
George Mason Day ...................................................................................... Friday, April 12
Applications for Renewal of Scholarships and Loans Due ........................ Wednesday, May 1
Course Examinations .................................................................................. Monday, May 27
Commencement ............................................................................................ Sunday, June 9

Summer Session of 1968

First Term Begins ......................................................................................... Thursday, June 13*
First Term Ends ............................................................................................ Friday, July 19*
Second Term Begins ................................................................................... Monday, July 22*
Second Term Ends ....................................................................................... Friday, August 23*

*These dates are tentative; details and final dates for the Summer Session are published in a separate bulletin.
ORGANIZATION AND CORRESPONDENCE

The major divisions of the University of Virginia are listed below. Each School publishes an individual catalogue, and the appropriate catalogue may be obtained by sending a request to the Dean of the School for which information is desired.

Correspondence regarding admission to the undergraduate Schools (The College of Arts and Sciences, The School of Architecture, The School of Commerce, The School of Education, The School of Engineering and Applied Science) should be addressed to

Dean of Admissions
The Rotunda
University of Virginia, Charlottesville, Virginia

Other correspondence should be addressed to the appropriate Dean at The University of Virginia, Charlottesville, Virginia.

- College of Arts and Sciences
- Graduate School of Arts and Sciences
- Graduate School of Business Administration
- McIntire School of Commerce
- School of Architecture
- School of Education
- School of General Studies
- School of Law
- School of Medicine
- School of Nursing
- Director of the Summer Session

Correspondence for the University Colleges should be addressed to

- Office of the Dean
- Clinch Valley College of the University of Virginia
- Wise, Virginia

Correspondence for the Branches should be addressed to

- Office of the Director
- Patrick Henry College of the University of Virginia
- Martinsville, Virginia

- Office of the Director
- Eastern Shore Branch of the University of Virginia
- P. O. Box 52
- Wallops Island, Virginia

- Office of the Director
- Lynchburg Branch of the University of Virginia
- Eighth and Court Streets
- Lynchburg, Virginia

Visitors are always welcome at the College, and prospective students are especially encouraged to visit the Grounds, preferably while the College is in session. Most administrative offices are open Monday through Friday, and some offices are open on Saturday mornings, but hours vary, and it will be best to make appointments in advance.
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THE COLLEGE AND ITS SERVICES

TO ALL STUDENTS

GENERAL INFORMATION

HISTORY OF THE COLLEGE

In April 1955, the Board of Visitors of the University of Virginia authorized the establishment of George Mason College to serve the Northern Virginia area. The College opened in 1957 at Bailey's Crossroads as a part of the School of General Studies of the University of Virginia. In 1960 it was named for the famous Virginia statesman, George Mason, and given the status of a Community College of the University.

In 1964 the College occupied the first four buildings on the 150-acre site donated by the City of Fairfax.

Elevated to four-year status in 1966, the College now provides programs of study leading to the Bachelor of Arts degree with majors available in biology, business and public administration, chemistry, English, history, and mathematics. In addition to these areas of study, students may complete two years of academic work in engineering and general liberal arts. Strong supporting courses in the humanities and expanded offerings in physics and foreign languages add to the flexibility of the programs to suit individual needs. As a four-year branch of the University of Virginia, the College is accredited by the Southern Association of Colleges and Schools. Students desiring to further their studies in certain areas, for example, engineering, may transfer to the University or to other universities and colleges for the completion of work begun in these specialized fields.

Enrollment at George Mason now exceeds 800 students and there are 61 full-time and part-time faculty members. Although the majority of the students are from the immediate area, three foreign countries are represented. For service on a part-time basis, the College is able to bring to the classroom professional people drawn from an expanding pool of talent in the metropolitan area.

Student service clubs and honor societies contribute to the life of the College as do the student government, newspaper, yearbook, and other activities. The College is proud of the Honor System under which the students have elected to live and serve.

HISTORY OF THE UNIVERSITY OF VIRGINIA

Chartered by the General Assembly in 1819 under the sponsorship of Thomas Jefferson, the University of Virginia officially opened for instruction on March 7, 1825. Since its opening the University has prided itself for the spirit of intellectual freedom and academic excellence which it has constantly maintained. Thomas Jefferson, the founder of the University, not only designed and supervised the construction of the original buildings and grounds, but interviewed and selected the first faculty and served as first Rector of the Board of Visitors, the governing body of the institution, along with James Madison.
and James Monroe. On the eve of the Civil War, the institution was second only to Harvard University in size of faculty and student body among American universities. During the ante-bellum years, the University of Virginia was the first educational institution in the United States to institute an honor system, a system of elective courses, and a graduate school in the arts and sciences. By untiring devotion the faculty and Board of Visitors managed to keep the doors of the University open throughout the Civil War and Reconstruction—making it unique among southern state universities as never having been closed.

During the twentieth century the University has slowly but constantly expanded its student enrollment, always maintaining its high academic standards. The University of Virginia has, during the last fifteen years, established a number of independent graduate and professional schools, such as that of commerce, business administration, nursing, and architecture. Of particular national reputation are the University’s School of Law and Medical School—the oldest such schools now in existence in the South. The University further plans to expand and develop its various graduate departments. In order to meet the increased demand for advanced education, the University has founded several colleges; George Mason College in northern Virginia is one of them.

LIBRARY FACILITIES

The library is situated at the southeastern side of the present complex of campus buildings. Completed in late 1967, the building, in keeping with its role as the appropriate focus for the dominant intellectual and cultural interests of the College, is of classically simple design. At present, the facility seats 300 students. The maximum book capacity of the building is 60,000 volumes.

Books are usually selected to support the curricula of the College; however, materials of enduring value and general interest are also acquired. The present collection includes over 18,000 books and 2,000 bound periodicals as well as 5,000 pamphlets, maps, and microfilms. Three hundred fifty current periodicals are received. The library is also a selective depository for publications of the United States Government.

The college library has become increasingly the laboratory in which much of the student’s work is done - instead of a single volume, the whole library is now his textbook. Independent research projects are encouraged as well as critical or creative work in the expectation that all students will learn to use primary sources. To further wide acquaintance with books, the library at George Mason College utilizes an open-shelf arrangement which permits direct access to nearly all of the books in the collection and encourages browsing or study.

Loan arrangements with the Alderman Library in Charlottesville make it possible to draw on the many volumes of the parent institution. The vast resources of the nearby Library of Congress are open to students interested in specialized fields. Inter-library loans are made from the excellent libraries in the Washington area and others throughout the United States. The library is open sixty-eight hours per week.

NATURE OF ANNOUNCEMENTS

The information contained herein and any other information conveyed to students or to prospective students is subject to change at any time by the appropriate authority.
DEGREE MAJORS

Students may select a course of study leading to the degree of Bachelor of Arts with a major in biology, business and public administration, English, history, chemistry and mathematics.

ACADEMIC HONORS

THE DEAN'S LIST.—A student in the College is placed on the Dean's List of Distinguished Students if he has passed at least fourteen semester-hours of work in the preceding semester, without failure in any course, and with an average grade in all courses of at least "B."

SCHOLARSHIPS AND LOANS

George Mason College has a limited amount of financial aid in the form of scholarships and loans which are administered by the Scholarship Committee. Those scholarships controlled by the Committee are, in general, awarded to students in their second or third year at the College. First-year students should attempt to meet their obligations through loans available either at the College or at local banks participating in the Virginia Education Assistance Authority Program. The College handles the National Defense Loan Program and these loans, when available, are open to all students who demonstrate need. All financial aid is based on need.

To apply for National Defense Loans, entering students should make application as soon as possible after their acceptance to the Dean of Students' office. Currently enrolled students should apply by May 1 for either loan or scholarship aid controlled by the College.

The "Parent's Confidential Statement in Support of Application for Financial Aid" of the College Scholarship Service of Princeton, New Jersey, may be required. The Statement form and instructions will ordinarily be available from secondary school principals or guidance counselors. For currently enrolled students at George Mason College this information is available at the Dean of Students' office. Each candidate should make sure his statement is filed and a copy sent to George Mason College.

Both the Statement of the College Scholarship Service and the College's own scholarship application form must be submitted to the office of the Dean of Students, George Mason College, by all applicants.

To hold a scholarship awarded by the College Scholarship Committee, a 2.5 grade-point average must be maintained and a recipient should file for renewal for the following year by May 1.

EMERGENCY LOAN FUND

The McLean Kiwanis Club has made funds available from which a student may borrow up to $50.00 for a period of thirty days for emergency situations.

All donations to the Scholarship and Loan Program of the College are acknowledged in a publication inserted in the commencement program each June.
THE HONOR SYSTEM

As originally formulated in 1842, the Honor System at the University applied only to final written examinations. Through its more than a century of continuous use, the pledge has been extended to all academic work submitted for credit, statements made to the faculty or administration, and other declarations of good faith or intent. Considered reprehensible under the System are lying, cheating, and stealing.

George Mason College established its Honor System on May 14, 1962. It is recognized and approved as an integral part of the College as it is of the University. The essence of the System is that a student's word as a member of the College can be accepted without question as truth and that any violation of a student's word is an offense against the Honor System.

Students who enforce the Honor System are not spying; they are in their own eyes and in those of their fellows performing a solemn duty, protecting their individual liberties and the reputation of the student body. If they should fail to investigate suspicious circumstances, they would themselves be guilty of a breach of responsibility and, consequently, of honor.

The Honor Committee is composed of students elected each year by members of the student body. Upon entering the College, all new students attend formal and informal meetings at which faculty members and students discuss the meaning of the System; smaller groups then meet with members of the Honor Committee who answer individual questions about the System. Before initial registration at the College is complete, each student is required to sign a card indicating he understands, accepts and will abide by the conditions set forth in the Honor Code. A statement of willingness to comply with the Honor System is also included in the application form for admission to George Mason College.

STUDENT ACTIVITIES

Students at George Mason College participate in the activities of the Student Assembly and in the publication of the student newspaper, yearbook, and magazine. Elections are held in the spring for offices in the Student Assembly. Students also administer the Honor System of the College, and elections for positions on the Honor Court are held once a year.

AGORA SOCIETY.—The members of this society attempt to foster an interest in dramatics at the College both by producing plays and by bringing travelling groups to the campus.

DELTA SIGMA TAU—This club is for men students on the campus for the purpose of fellowship. Proceeds from club functions support local charities.

ENGINEERS' CLUB.—The Engineers' Club is an organization of the students in the engineering program who gather for programs and activities pertinent to their specialization.

The HONOR SOCIETY.—The College Honor Society is an organization for students who have attained an average of at least 3.0, and who have served the College in some way; such as working on the newspaper, yearbook, or magazine, holding a class office or serving on one of the committees of the Student Assembly.
MEN'S ATHLETIC ASSOCIATION.—The Men's Athletic Association is an organization formed for the male students and is chartered by the Student Assembly. Its primary purpose is to promote the growth of athletic activities at the College. It also encourages good sportsmanship and conduct. Membership is open to all male students in good academic standing who subscribe to its purposes. The Men's Athletic Association hopes to initiate an intercollegiate football program next year.

NATIONAL AND WORLD AFFAIRS CLUB.—The purpose of this club is to promote interest in national and world affairs and is open to all interested students.

NEWMAN CLUB.—This organization is primarily for Catholic students for the purpose of fellowship and to promote the spiritual life of its members.

PEP CLUB.—This club is an organization of women students whose purpose is to promote school spirit in support of athletic activities.

SAGE.—This club is an organization of women students whose sole purpose is service to the College and whose members are selected from the students who show an interest in participating in endeavors for the benefit of the College community.

STUDENT SENATE.—The Senate is composed of chairmen or presidents of all of the groups sponsored by the Student Assembly. This body plans and coordinates part of the activities of the students.

SYMPOSIUM.—The Symposium, one of the first organizations of the College, has as its purpose the furthering of cultural and academic interests by presenting speakers of general interest to all students. It also sponsors dances and other events which promote college spirit. The new members of the symposium are selected by vote of the permanent members on the basis of the interest and enthusiasm displayed in promoting George Mason College.

WHIG SOCIETY.—This organization is open to all students, members of the faculty and staff for the purpose of providing improvement in debate and to promote general culture among its members and those around them.

WOMEN'S ATHLETIC ASSOCIATION.—The Women's Athletic Association is an organization for the promotion of active participation in athletics by the women students of the College and spectator support of the various athletic events of the College.

YOUNG REPUBLICANS and YOUNG DEMOCRATS CLUBS.—These two clubs promote political activities and interest among the students for their respective parties.
ADMISSION REQUIREMENTS

Application should be made to the Office of Admissions of George Mason College on forms which are provided upon request. A non-refundable fee of $10.00 must be attached to the application forms of all applicants.

To be assured of consideration, applications should be submitted no later than June 1. Students with honor grades in secondary school may qualify for early admission decisions on the basis of a three-year record. Regular admission decisions will normally be made after the first-semester grades of the senior year and all necessary prescribed test scores have been received by the Admissions Office. Final admission is granted in writing only upon satisfactory completion of the requirements discussed in this section and successful completion of the senior year of high school.

ADMISSION REQUIREMENTS FROM HIGH SCHOOL OR PREPARATORY SCHOOL

For admission to the Liberal Arts Program, an applicant must present at least fifteen units of high school work with at least eleven units in the following academic fields: English (at least four units), mathematics (at least two units in algebra and one in plane geometry), foreign language (at least two units), social studies and science. The other units are elective, but no credit is allowed for less than two units in a foreign language.

For admission as a student in the Engineering Program, an applicant must present sixteen units from high school in the following fields: English (at least four units), mathematics (at least $\frac{3}{2}$ units: two of algebra, one of plane geometry and $\frac{1}{2}$ unit of advanced mathematics - trigonometry, solid geometry, or advanced algebra), one of history, two units of science (chemistry and physics are recommended). The remaining $\frac{5}{2}$ units are elective, but not more than four units of vocational subjects relevant to engineering will be accepted.

The experience of the College has shown that certain subjects are more useful to the engineering student, and their inclusion in the high school programs of applicants is strongly recommended. Among these subjects are as much additional mathematics as possible, American and modern European history, English and American literature, physics, chemistry, biology, geography, foreign languages, and mechanical drawing.

All candidates for admission are required to take the Scholastic Aptitude Test given by the College Entrance Examination Board. December or January tests are recommended. Applicants must register at least three weeks before the testing date by mailing a registration form and a fee to a College Board Office. The examination will be given in test centers distributed throughout the United States and overseas. Both descriptive information about the test and registration blanks are available without cost to applicants. Requests should be addressed to either of the Board's offices.

The Admissions Committee considers each applicant individually, using as its principles of selection the following: 1. Evidence of good character and

*Address of the College Board Offices: Box 592, Princeton, New Jersey 08540, or Box 1025, Berkeley, California 94701.

http://catalog.gmu.edu
acceptable social habits. 2. Evidence of academic achievement and promise, especially facility in the use of the English language and the understanding of fundamental mathematical processes.

The Committee relies upon the secondary school record, examination results, and recommendation from the schools for its basic information. A personal interview is not required unless requested by the Director of Admissions. The following general requirements are set forth for the guidance of students looking toward college admission.

The applicant must be at least sixteen years of age, a graduate of an accredited high school or preparatory school with graduation based on no fewer than fifteen entrance units, or in special cases, have approved equivalent secondary school preparation. Applicants should rank in the upper half of their secondary school class.

In every case the applicant must have general character recommendations from his school. Achievement in activities as well as scholarly attainment will be considered in determining admission.

In summary, a completed application includes (1) a properly filled-out application form, (2) a transcript of grades from secondary school and/or college, including a recommendation, and (3) a record of the scores on the Scholastic Aptitude Test for the College Entrance Examination Board. A non-refundable application fee of $10.00 must accompany the application.

All approved applicants will receive a medical form which must be properly filled out and returned to the Admissions Office prior to matriculation.

Applicants who are offered admission must accept or reject the offer within two weeks of the date of the acceptance letter received from the College.

ADMISSION OF MEN AND WOMEN

Both men and women will be admitted to George Mason College under the same regulations. Women students planning to transfer to Charlottesville should note this special requirement for admission of women to the schools in Charlottesville. "Women are not admitted to the College of Arts and Sciences as candidates for the degree of Bachelor of Arts, as pre-professional students, or as special students. They may, however, be admitted as candidates for the professional degrees of Bachelor of Science in Chemistry and Bachelor of Science in Physics if they are at least twenty years of age, and have completed in an accredited college at least two full years (sixy semester-hours) of academic work with satisfactory grades. The appropriate department and the Dean of Women must approve all applications for a professional degree."

Women may be admitted to the School of Education as candidates for the B.S. in Education, to the McIntire School of Commerce as candidates for the B.S. in Commerce, and to the School of Engineering and Applied Science under conditions described in the catalogues of each of these schools.

Mary Washington College, the women's college of the University of Virginia in Fredericksburg, grants both Bachelor of Arts and Bachelor of Science degrees. The College is a self-governing unit of the University, and inquiries concerning it should be addressed to the Director of Admissions, Mary Washington College, Fredericksburg.
ADMISSION FROM ANOTHER COLLEGE

George Mason College accepts qualified students by transfer from other colleges. An applicant for admission who has attended an institution of collegiate rank for any period of time should request the registrar of each institution he has attended to send an official transcript of his record to the Office of Admissions, George Mason College. A complete secondary school record will also be required. Normally, transfer students will be expected to meet the College’s requirements governing initial admission from high school (see “Admission Requirements”). An applicant may be considered for transfer only if he is entitled to an honorable dismissal without social or academic probation and only if he has an average of at least “C” in the institution from which he wishes to transfer. A student who has been suspended or dropped from another institution for scholastic deficiency or other reasons can not be considered for admission.

TRANSFERRING TO CHARLOTTESVILLE AND MARY WASHINGTON COLLEGE

Students applying for transfer to one of the schools of the University of Virginia at Charlottesville or to Mary Washington College in Fredericksburg will be given assistance in making the transfer. A completed application form and transcript of the college record will be needed. Recommendation from the deans of George Mason College may be required.

CORRESPONDENCE

Correspondence regarding admission to George Mason College should be addressed to the Office of Admissions, George Mason College, Fairfax, Virginia, 22030
FEES AND EXPENSES

FEES SCHEDULE

<table>
<thead>
<tr>
<th>Fee</th>
<th>Virginia</th>
<th>Out-of-State</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application Fee</td>
<td>$ 10.00</td>
<td>$ 10.00</td>
</tr>
<tr>
<td>Tuition:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Twelve semester-hours and above (per semester)</td>
<td>240.00</td>
<td>575.00</td>
</tr>
<tr>
<td>Part-time students (up to 12 semester-hours)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>per semester-hour</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Comprehensive Fee (per semester)</td>
<td>16.00</td>
<td>38.00</td>
</tr>
<tr>
<td>Laboratory Breakage Deposit (per semester)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>17.00 (a)</td>
<td>17.00 (a)</td>
</tr>
<tr>
<td></td>
<td>5.00*</td>
<td>5.00*</td>
</tr>
</tbody>
</table>

(a) Students enrolled for six semester-hours or less are required to pay one-half of the Comprehensive Fee.

* The balance existing in the student's account for laboratory breakage deposit will be refunded, by mail, to the student at the end of the second semester.

All students accepted for admission will receive advance billing at the full-time rate for each semester. Students are urged to make payments in advance by mail to reduce time in line on registration day. Payments by mail must be received in the Business Office prior to registration day, otherwise payments must be made over the counter on the student's assigned date of registration to avoid a late registration penalty charge.

Students enrolled in science courses will not be pre-billed for the breakage fee. They will be billed upon completion of registration and are expected to pay this fee within one week of billing date.

All students are required to submit a driver certificate form and register any vehicles to be driven on the College grounds. Each vehicle registered must bear an authorized College decal, which can be purchased at the Business Office for $1.00 per copy.

Payees making payment by check to George Mason College with insufficient funds will be charged a penalty fee of $5.00. Failure to make the check good within five days will result in suspension of the student.

PAYMENT OF FEES

All fees are payable at the Business Office. No student is permitted to complete registration or to attend classes until all fees are paid. Fees for each semester are due and payable at the time of registration.

In exceptional cases, the student may sign a contract for semester charges permitting payments as follows:

First Semester—One-third at the time of registration; one-third on November 3; one-third on December 4.

Second Semester—One-third at the time of registration; one-third on March 4; one-third on April 3.
A student who fails to meet payments when due, but who pays his fees on or before the fifteenth of the month in which payment is due, is charged a service fee of $1.00. A student who fails to meet payments by the fifteenth of the month in which payment is due will be automatically suspended and may not attend classes until he has been officially reinstated and has paid all accrued fees and a reinstatement fee of $5.00.

A student suspended for failure to meet payments when due may not be reinstated for the semester after two weeks from the date of suspension. Applications for reinstatement are to be made to the Business Office.

CLASSIFICATION AS A VIRGINIA STUDENT

You are classified as an in-state student if your parent or legal guardian has been domiciled in the state of Virginia for a full calendar year prior to registration and has paid Virginia state income taxes for the previous tax year of your matriculation. It is the domicile of the father and his payment of taxes that is considered in making the determination of status. Unusual circumstances may be ruled upon by the Admissions Office.

Residence in the State for the purpose of securing an education does not qualify an individual for classification as a Virginia student.

VETERANS AFFAIRS

The Financial Aid Office is the College's liaison with the Veterans Administration in matters concerning educational benefits to veterans.

Veterans eligible for educational benefits under Public Law 89-558 (Peacetime G.I. bill) must make application to their nearest VA Regional Office for approval of their program and to receive authorization for benefits. It is important that this be done in advance of taking up residence, so that programs may be approved before funds are needed. Application forms for educational benefits are available from the Financial Aid Office, George Mason College, 4400 University Drive, Fairfax, Virginia, or at the Veterans Administration Regional Office.

Persons eligible for benefits under Public Law 634 (War Orphans Program) must also make application to their nearest Veterans Administration Regional Office. Upon approval of the benefits and enrollment at the College, the Admissions Office assists the eligible persons in their relations with the Veterans Administration.

RETURN OF FEES

A student withdrawing within five days after registration shall have his tuition and fees refunded in full except for the sum of $10.00 to cover cost of registration. If he withdraws voluntarily after the fifth day of the semester and before the middle thereof, his fees shall be refunded pro rata. If the student is required to withdraw from the College at any time during the semester, or if he withdraws voluntarily after the middle thereof, no refund of tuition and fees for that semester shall be made.

TRANSCRIPT FEE

A fee of $1.00 is charged for each transcript of record.
GENERAL REGULATIONS

REGISTRATION

REGISTRATION.—Applicants seeking membership in the College, having been accepted for admission by proper admitting authority, should present themselves to the Dean of the College or his authorized representative on the date specified in the Announcements of the College. Applicants must also attend and participate in the orientation program announced in the calendar.

DELAYED REGISTRATION.—Any student who fails to present himself at the time specified for registration will not be permitted to matriculate unless he can explain his delay to the satisfaction of the Dean of the College or his representative. If admitted after explanation, the student will be charged a delayed-registration fee of $15, $10 of which may be waived by the Dean of the College for proper cause.

HEALTH REGULATIONS.—Entering students are required to complete a health form provided by the College and must furnish evidence of recent immunizations against smallpox and tetanus.

WITHHOLDING ACADEMIC CREDIT.—Grades and transcripts will be withheld from students and former students who have failed to meet their official financial obligations.

CHANGE OF ADDRESS.—Each student is required to notify the Recorder of any change of home address, change of the name or address of parent or guardian, or change of his or her legal name. When a student's legal name is changed, the student must provide the Recorder with a certified copy of documents authorizing such change. The Dean of Students will notify the University Registrar of all such changes and will deposit all applicable documents with the Registrar.

VOLUNTARY WITHDRAWAL.—An official application to withdraw must be obtained from the Dean of the College, and must be approved in writing by the Dean, with a statement of the reason for withdrawal. A student under twenty-one years of age must have parental approval for such withdrawal. To clear the student's record, the application must then be endorsed by the Librarian, Business Office, a member of the Honor Court and the Dean of Students. When complete, the withdrawal form must be deposited with the Recorder.

Failure to comply with the above regulations will subject the student to suspension from the College.

READMISSION AFTER VOLUNTARY WITHDRAWAL.—Readmission to the College is not automatic; after absence of a semester or longer, a former student must apply for readmission to the Dean of the College. A student who withdraws with “WF” in half or more of his courses must qualify for readmission in the same way as a suspended student. A student who withdraws with “WP” in half or more of his courses and whose grade-point average is more than 2.00 can be readmitted by the Director of Admissions. A student who withdraws with “WP” in half or more of his courses and whose grade-point average
is less than 2.00 may be required to attend the Summer Session and complete satisfactorily a prescribed number of approved courses; his readmission will be considered on the basis of his previous record as well as his Summer Session courses.

ENFORCED WITHDRAWAL—The College may impose enforced withdrawal as a penalty for habitual delinquency in class, habitual idleness, or any other fault which prevents the student from fulfilling the purposes implied by registration in the College.

CONDUCT

The College reserves the right to suspend, enforce the withdrawal of, or expel a student whose conduct is in its judgement unsatisfactory.

LIVING ACCOMMODATIONS

The College maintains no housing facilities for students.

MOTOR VEHICLES

Students who use the College parking area must register their cars with the Business Office, paying a nominal fee of $1.00 to obtain a numbered decal which must be displayed on the vehicle.

INSURANCE

A combined hospitalization and accident policy is available to all registered students of George Mason College on a twelve months basis. Protection covers twenty-four hours a day including interim vacation periods, and benefits are payable in addition to other insurance a student may have.

FIREARMS

The possession, storage, and use of any kind of ammunition, firearms, fireworks, explosives, air rifles, and air pistols is prohibited on College property.

SOCIAL EVENTS AND PUBLICATIONS

Organizations or groups of students wishing to present a dance or other public social event must obtain the permission of the Dean of Students. Each event must be registered in advance with the Office of the Dean of Students.

Students who wish to publish, distribute, or sell any publication must first obtain the approval of the Dean of Students. The issuance, distribution, or sale of anonymous publications is forbidden and may be punishable by expulsion.

SOLICITORS AND SALESMEN

Solicitors and salesmen, except those on official business with the College, are not permitted on the Grounds without permission of the Business Office.
ACADEMIC REGULATIONS

GRADES AND GRADE-POINTS.—College course work is measured in terms of quantity and quality. The semester-hour is the unit of credit and the number of semester-hours of credit is a measure of quantity. The grade is a measure of quality. The College recognizes four grades above passing: "A," "B," "C," and "D." Grade "F" signifies that the work was failed. In rare instances, with the approval of the Dean of the College, a student may receive a grade of "Incomplete." A student absent from examination may receive a grade of "Absent" which automatically becomes "F," as does a grade of "Incomplete," within ten days after the date of the regular examination, unless the "Incomplete" or "Absent" has been excused by the Dean of the College.

To compute an average of the quality of work for a semester or for an entire program, grade-points for each credit-hour are assigned on a scale of 4 for "A," 3 for "B," 2 for "C," 1 for "D," and 0 for "F." A grade-point score is computed by multiplying the value of the letter grade by the number of credits for the course. As an example, a student receiving an "A" in the first semester of English (a three-credit-hour course), receives twelve grade-points. The grade-point average is computed by dividing the number of grade-points earned by the number of semester-hours attempted.

Academic achievement of a student in a course is rated as follows: "A" (100-91), "B" (90-81), "C" (80-71), "D" (70-61), and "F" (60 and below).

SEMESTER-HOUR AND COURSE LOAD.—A semester-hour, the unit in which courses are measured, is defined as one hour per week of lecture-recitation or not less than two hours per week of laboratory work throughout a semester. Although twelve semester-hours per semester represents a minimum full-time load, a student is expected to carry not less than fourteen nor more than seventeen semester-hours of work except under the following conditions: special permission to carry a reduced number of hours may be granted by the Dean of the College or his representative for such reasons as necessary outside employment or ill health. A load in excess of seventeen hours must be approved by the Dean of the College.

CHANGE OF COURSES.—In order to drop and/or add a course, a student must obtain the written permission of his adviser and the Dean of the College. Forms for this purpose are provided by the Recorder's Office. The last day for adding courses shall be no longer than seven calendar days after and including the first day of classes.

The last day to drop a course without incurring an "F" shall be three calendar weeks after and including the first day of classes. Any student who discontinues a course without proper permission will receive a grade of F in that course.

It is the responsibility of the student to secure all required approvals (signatures) for the requested changes within the appropriate deadline stated in the calendar.

EXAMINATIONS.—Written examinations are held at the end of each semester on the work of that semester. Courses which are predominately laboratory work are not entitled to an examination during the regular examination
period. In such courses an examination may be given in the last regularly scheduled laboratory period. No changes may be made in the announced examination schedule unless approved in writing by the Dean of the College.

ABSENCE FROM EXAMINATIONS AND SPECIAL EXAMINATIONS.—Absence from examination will not be excused except for sickness on the day of the examination attested by a physician's certificate, or for other cause approved by the Dean of the College. If such absence is unexcused or the examination not taken within ten days, the grade on the course is entered as "F." A student whose absence from an examination is excused may take a special examination within the ten-day period on a date to be arranged between himself and the instructor in charge of the examination.

RE-EXAMINATION.—Re-examinations are not permitted, but students otherwise in good standing are permitted to repeat a course which they failed.

REPORTS.—Reports are sent at the end of each semester to the parent or guardian of each college student. In addition, a report on the standing of each freshman student is sent to his parent or guardian about the middle of the first semester.

ATTENDANCE.—Students are required to attend classes throughout the session, with the exception of College holidays and absences due to illness or injury, unless permission to be absent temporarily or to withdraw has been first granted by the Dean of the College. Students are required to attend lectures and other prescribed exercises of the courses for which they are registered, subject to penalties which the College approves. The usual criterion for allowable absences is one unexcused absence per credit hour per semester. Absences in excess of this may result in automatic failure upon recommendation of the instructor with the written approval of the Dean of the College.

EXCLUSION FROM COURSES.—A student who is making no real progress in a course may, at any time during the session, be excluded from the course by the Dean of the College upon recommendation of the instructor concerned.

ACADEMIC PROBATION AND SUSPENSION FOR ACADEMIC DEFICIENCES.—A student who is not making satisfactory progress is placed on Academic Probation when his grade-point deficiency exceeds the level set by the College. No student on probation may be a member of any organization such as an athletic team, a student publication, or a musical, dramatic, forensic, or other society which publicly represents the College. Authority is granted to the Dean of the College, however, to remove the restriction on activities, in whole or in part, in individual cases of academic probation.

A student who is not making minimally satisfactory progress towards graduation, as defined by the College, is subject to suspension. A student who has become subject to suspension for the first time may be returned to satisfactory standing or readmitted on academic probation if he attends the Summer Session of the College or of the University in Charlottesville and earns enough grade-points to return to minimally satisfactory progress by passing at least eight semester-hours of approved courses with an average grade of "C." Suspension is a state of enforced withdrawal from the College.

A student who earns fewer than six grade-points in a regular semester, no matter what his grade-point total, will be suspended.

A student who is placed on Academic Probation for three successive semesters will be suspended from the College.
A student who is under suspension may not attempt to reinstate himself through courses taken in the Division of Extension and General Studies or through the Home Study Bureau.

A student who has been reinstated following suspension is excluded if he again becomes subject to suspension.

CREDITS EARNED AT OTHER COLLEGES.—The credits of students transferring from other institutions will be tentatively evaluated upon registration. In general, credits are accepted from institutions that are accredited by the appropriate regional association provided they carry a grade of "C" or better and are comparable to courses offered at George Mason. If such institutions are not accredited, the transcript information may be used for purposes of advanced placement, and transfer credit as such will be recommended after the performance of the student at George Mason has been established. A maximum of forty semester-hours will be transferred for extension work from regionally accredited institutions, and a maximum of six hours may be transferred from correspondence courses sponsored by regionally accredited institutions. Permission to take courses in extension centers and by correspondence must be approved in advance by the Dean of the College.

A student who expects to take summer courses at other colleges and to transfer credit to this College must submit his request to the Dean of the College by June 1. Catalogue numbers and descriptions of courses shall be submitted with the request.

Military service courses represent special cases and generally no credit is given.

A student may not assume that credit will be given for work at other institutions until he has an official signed statement as to what credit will be allowed.

RESIDENCE REQUIREMENTS.—A recipient of a degree at George Mason College must have been in residence for one full session in this College, and must have earned a minimum of thirty semester-hours credit. The candidate's last year of work must be performed in residence here.

SELECTION OF MAJOR.—In order to plan a sound academic program the student should select a major as soon as practical, and this selection should be made no later than four weeks before the end of the sophomore year. For the declaration of a major, the student should confer with his departmental chairman and/or faculty adviser and file the necessary form.

CHANGE OF MAJOR.—A student who wishes to change a major from that which he has previously declared should obtain the necessary form from his faculty adviser and should secure the signature of the departmental chairman and the Dean of the College.

CLASS STANDING.—The minimum number of credits required for advancement to each class is as follows: sophomore, twenty-four semester-hours; junior, fifty-four semester-hours; senior, eighty-four semester hours. A minimum of one hundred twenty semester-hours is required for graduation.

FOREIGN LANGUAGE PLACEMENT TEST.—All students who have studied French, German, or Spanish in high school and who intend to continue in the same language at George Mason College must take a language placement
test. The placement tests for students entering in the fall of 1967 will be administered during registration week at a time to be announced. Students should take the placement test unless they are positive that they will not continue the language begun in high school.

Students offering one year of a high school language who begin that language over again at George Mason College will receive a grade and degree credit for both semesters. If a student offering two years of a high school language is placed in the first year of that language, he will receive a grade but no degree credit for the first semester, but will receive both a grade and degree credit for the second semester. Students offering three or four years of a high school language will not be allowed to take the first year of this language for degree credit; however, if they are placed in the second year of that language at George Mason College, they will receive grade and degree credit for both semesters. Students who have previous training in a foreign language but who have not studied this language during the four years prior to registration at George Mason College shall be allowed to take the first year of the language for credit. In the event that a student has received college credit in a foreign language but wishes to repeat all or part of that course work at George Mason College, the student may not receive credit more than once for the same course.

GEORGE MASON COLLEGE ADVANCED PLACEMENT PROGRAM WITH CREDIT.—First semester freshmen entering George Mason College who have completed advanced level courses in secondary schools and who have passed College Board Placement Examinations with scores of 5, 4, or 3, may enroll for those higher level courses for which the department concerned determines them to be qualified. Those who have ratings of 5 or 4 will be granted up to a maximum of thirty hours (without grades). Those who have ratings of 3 may be granted up to thirty hours credit (without grades) upon recommendation of the department concerned and with the approval of the Dean of the College, but the total number of hours granted may not in any instance exceed thirty. In all instances, advanced credit earned in this manner by entering freshmen will be counted toward or will fulfill any pertinent college or departmental graduation requirement. Students receiving advanced credits will be eligible immediately to enter the next higher level courses for which they possess the prerequisites.

DEPARTMENTAL ADVANCED PLACEMENT PROGRAM WITHOUT CREDIT.—Entering first semester freshmen who do not qualify under the above provisions may establish their eligibility for admission to higher level courses on the basis of placement examinations prepared and administered by those departments desiring to participate. Such examinations shall conform to College policy, shall be adequate to evaluate the competence and preparation of freshmen in their respective areas and to afford a reliable base for assigning them to advanced courses.

SCHEDULE OF CLASSES

A schedule of classes will be available before registration at the start of each semester. The College reserves the right to change the schedule and to adjust individual section enrollments as required.
ACADEMIC PROGRAMS

GENERAL.—Various academic programs are available to students at George Mason College. Courses of study leading to the Bachelor of Arts degree are available with majors in six areas: biology, chemistry, English, history, business and public administration and mathematics. Students desiring to go into engineering may obtain their first two years of study at the College. For those wishing to enter into a nursing career, numerous courses are offered preparatory to further training in this specialized area; for example, the School of Nursing at the University of Virginia at Charlottesville. By appropriate choice of courses the student is able to complete the two years of work preliminary to a specialization in such fields as physics and foreign languages at other colleges and universities.

SUMMER SESSION.—Information concerning George Mason College Summer Session is presented in a separate publication which is available in late March or early April.

MAJOR IN BIOLOGY.—The shortage of persons qualified to work in the life sciences, including the preparation for medicine, is recognized by such organizations as the United Nations and the United States Department of Health, Education, and Welfare. The program in biology is designed to meet some of these varied needs.

MAJOR IN BUSINESS AND PUBLIC ADMINISTRATION.—The rise of new industries with their products of commerce and the development and implementation of vast programs sponsored by state and national institutions require an ever-increasing supply of administrative talent on many different levels.

MAJOR IN ENGLISH.—State and national needs exist for persons trained in the use of language to (1) teach, (2) prepare reports, both scientific and non-scientific, (3) write for the mass communication media, and (4) contribute to the broad field of entertainment.

MAJOR IN HISTORY.—Governmental services, both state and federal, have evolved in order to meet the complex needs of today's society. Graduates of this program, having had the benefit of a broad study of events and their effects upon institutions, are needed to (1) develop more effective programs, (2) guide and interpret the laws man makes for himself, and (3) instruct the succeeding generation.

MAJOR IN CHEMISTRY.—Studies in this field provide basic training, both theoretical and experimental, in the four main branches of chemistry—inorganic, organic, analytical and physical. It will prepare students for further studies in chemistry and related scientific fields including medicine. It will also provide fundamental training for careers in chemical industry, government scientific programs, and allied areas.

MAJOR IN MATHEMATICS.—This program provides students with the training necessary to enable them to begin careers as mathematicians, statisticians, and computer scientists in industry, or to enter graduate schools for further study in mathematics.
Minimum requirements for the degree of Bachelor of Arts may be summarized as follows:

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester-hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>12</td>
</tr>
<tr>
<td>Composition</td>
<td>6</td>
</tr>
<tr>
<td>Literature</td>
<td>6</td>
</tr>
<tr>
<td>Mathematics</td>
<td>6-18*</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>8</td>
</tr>
<tr>
<td>Natural Science</td>
<td>6</td>
</tr>
<tr>
<td>History</td>
<td>6</td>
</tr>
<tr>
<td>Electives</td>
<td>40-28</td>
</tr>
<tr>
<td>Major</td>
<td>30**</td>
</tr>
<tr>
<td>Related to Major</td>
<td>12</td>
</tr>
</tbody>
</table>

The student should consult his faculty adviser and the Chairman of the Department in which the major is offered in order to plan a sound academic program and meet the general degree requirements stated above and specific requirements within a major field.

To qualify for a baccalaureate degree a student must be in good standing and must have satisfied all requirements for his program. In addition, he must have maintained a 2.0 (C) average in his major, and an average grade of 2.0 (C) on all courses presented for the degree.

**PHYSICS**

The College offers courses in physics which would take the student well beyond his sophomore year level toward a major in physics; however, no baccalaureate degree is available in physics in the 1967-68 session.

**ENGINEERING**

This program is designed for students planning to transfer to other colleges and universities. Students who undertake the engineering program at George Mason College should plan on an additional three years being required at the University of Virginia and possibly at other colleges to which they may transfer in order to complete the baccalaureate degree in engineering.

**First Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester-hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 101-102: Composition</td>
<td>6</td>
</tr>
<tr>
<td>Chemistry 101-102: General Chemistry</td>
<td>8</td>
</tr>
<tr>
<td>Mathematics 113</td>
<td>4</td>
</tr>
<tr>
<td>Mathematics 114</td>
<td>4</td>
</tr>
<tr>
<td>Drawing 103, 104: Engineering Graphics I, II</td>
<td>4</td>
</tr>
<tr>
<td>Electives (restricted), Fall Semester</td>
<td>3</td>
</tr>
<tr>
<td>Physics 104: General Physics I, Spring Semester</td>
<td>3</td>
</tr>
</tbody>
</table>

Total 32

*Depending upon placement, each student must present three years in one foreign language or two years each of two different foreign languages.

**The maximum number of hours that may be taken in the major field is forty-two semester-hours.
Second Year

Mathematics 201 and 202 ................................................................. 8
Physics 205, 206: General Physics II, III ........................................... 10
Mechanics 210: Statics ................................................................. 3
Mechanics 211: Dynamics ............................................................. 3
Electives (restricted) ................................................................... 9

Total 33

PROFESSIONAL SCHOOL ENTRANCE REQUIREMENTS

LAW.—To be admitted to the School of Law of the University of Virginia an applicant must have received his Bachelor's degree. The School of Law has recommended the following subjects for a pre-legal curriculum: English, Latin, French, German, Spanish, Italian, history, natural science, mathematics, accounting, political science, economics, psychology, public speaking. The pre-legal requirements may be met as a part of the program for the Bachelor of Arts degree.

MEDICINE.—The minimum requirement for admission to the School of Medicine of the University of Virginia is ninety semester-hours of academic courses, although completion of the curriculum leading to the degree of Bachelor of Arts is encouraged. Courses in inorganic chemistry, organic chemistry, biology, physics, and English are required, but concentration in the sciences is not essential. Medicine is concerned with a variety of social and community problems, and a broad cultural background is considered desirable.

The pre-medical course for each student should be planned in keeping with his interests. Development of an efficient method of study and habit of reasoning is more important than the selection of subjects. Requirements may be met within the programs leading to the degree of Bachelor of Arts.

Properly prepared students may help satisfy admission requirements to other schools of law and medicine as well as schools of dentistry, pharmacy and veterinary medicine by taking the general basic courses required for admission.
DESCRIPTION OF COURSES

The number designations of the course descriptions below have the following significance:

A single number (as History 222) indicates that the course is complete within a single semester, and that the semester course may be taken separately with credit toward a degree.

A double number (as Biology 101-102) indicates that the course extends throughout a session of two semesters, and that both semesters must be completed before the course may count toward a degree.

In general, an odd number (as Biology 101) indicates that the course is given in the first semester of the session; an even number (Biology 102) indicates that the course is given in the second semester.

A double number separated by a comma indicates that the course extends throughout a session of two semesters and that the first semester may be taken by itself. Unless otherwise specified, the second semester may also be taken by itself.

The number and variety of courses will be increased as needed. No course listed will be offered, however, for which there is insufficient enrollment.

The credit in semester-hours is shown in brackets in each course description. [3]

DEPARTMENT OF BIOLOGY

Professor: Levitan (Chairman).
Assistant Professors: Hokenson, Hyde.
Acting Assistant Professor: Flint.
Instructors: Hatch, Heath, Parks, Withers.

REQUIREMENTS FOR THE MAJOR IN BIOLOGY

A minimum of thirty-two semester-hour credits in biology is required for a B.A. degree with a major in biology. These must include Biology 101-102 (8 credits), Biology 311 (4 credits), and at least one course from each of the major subdivisions of the department (denoted by the second figure, 2-3, 4-5, 6-7, and 8, in the course numbers). They may include Anthropology 101 and biochemistry when offered. Courses related to the major must include Chemistry 101-102; it is recommended that they also include organic chemistry, physical chemistry, college physics, and calculus.

Biology 101-102: GENERAL BIOLOGY. [8]
The study of living organisms: their origin and types; the principles of metabolism, growth, reproductions, heredity, adaptation and evolution. Three lecture hours, three laboratory hours.

Biology 221: VERTEBRATE ZOOLOGY. [4]
Prerequisite: Biology 101-102. Study of the phylum Chordata, emphasizing homologous body structures in the various vertebrate classes and their relationship to the functional demands of habit and environment in each class. First semester. Two lecture hours, six laboratory hours.
Biology 222: VERTEBRATE EMBRYOLOGY. [4]
Prerequisite: Biology 101-102. A comparative study of the origin and development of various tissues and organs of the vertebrates. Second semester. Two lecture hours, six laboratory hours.

Prerequisite: Biology 101-102. Origin and development of organs and tissue systems of plants, with phylogenetic comparisons but emphasizing the vascular plants. First semester. Three hours lecture, three hours laboratory.

Biology 242: PLANT ECOLOGY. [4]
Prerequisite: Biology 101-102. Plant associations and formations and their successions in North America. Second semester. Three hours lecture, three hours laboratory.

Prerequisite: Biology 101-102. Fundamentals of the morphology, physiology, and biochemical characteristics of bacteria, rickettsia, and viruses. Second semester. Three hours lecture, three hours laboratory.

Biology 311: GENERAL GENETICS. [4]
Prerequisite: Biology 101-102. A study of the basic principles of heredity and the modern developments in the field. First semester. Three hours lecture, three hours laboratory.

Biology 331: INVERTEBRATE ZOOLOGY I. [4]
Prerequisite: Biology 101-102. Survey of the invertebrate phyla, excluding the Arthropods, to show the morphology, phylogeny, and general biology of these groups. First semester. Three hours lecture, three hours laboratory.

Prerequisite: Biology 101-102. Survey of the Arthropods, with emphasis on the Insects (class Hexapoda). Second semester. Three hours lecture, three hours laboratory.

Biology 361: CELLULAR PHYSIOLOGY. [4]
Prerequisite: Biology 101-102 and Chemistry 101-102. Study of the fundamental physiological properties and the correlated anatomy of cells. First semester. Three hours lecture, three hours laboratory.

Prerequisite: Biology 101-102. Correlated study of the anatomy and normal functions of animal organ systems, with special reference to those of man. Second semester. Three hours lecture, three hours laboratory.

Biology 411: ADVANCED GENETICS. [4]
Prerequisite: Biology 311 or the equivalent. Advanced classical, physiological, and population genetics, with emphasis on problems in current research. Second semester. Three hours lecture, three hours laboratory.

Biology 499: SPECIAL PROBLEMS IN BIOLOGY. [2]
Prerequisite: Enrollment is restricted to senior majors in biology with approval of instructor. Laboratory or field investigation under the guidance of a member of the staff. Usually the student will review the literature and plan the research procedures during the first semester and perform the research during the second semester. 2 hours credit each semester.
REQUIREMENTS FOR THE MAJOR IN CHEMISTRY

The minimum number of semester-hours for a major in chemistry is thirty-two and must include Chemistry 101-102, 213-214, 321, 331, 332, 336 and 337. The language requirement is satisfied by German or French, although German is recommended for those planning a professional career in chemistry.

Chemistry 101-102: GENERAL CHEMISTRY AND QUALITATIVE ANALYSIS. [8]
The basic facts and principles of chemistry. The properties and uses of the more important metallic and non-metallic elements and their uses in industry. The laboratory work in the second semester includes qualitative analysis. Three class hours, three laboratory hours.

Chemistry 213-214: ORGANIC CHEMISTRY. [8] Prerequisite: Chemistry 101-102. The theoretical, synthetic, industrial and biological aspects of the chemistry of carbon compounds. Three class hours, three laboratory hours.

Chemistry 321: ELEMENTARY QUANTITATIVE ANALYSIS. [4] Prerequisite: Chemistry 101-102. Chemical principles with particular emphasis on ionic equilibria. The laboratory work consists of gravimetric, volumetric and instrumental methods illustrating the principal types of quantitative determinations. Two class hours, six laboratory hours.

Chemistry 331: PHYSICAL CHEMISTRY I. [3] Prerequisite: Chemistry 101-102, Physics 104, 205, 206. Prerequisite or Corequisite: Chemistry 213-214, 321. This course and Chemistry 332 constitute a year-long survey of physical chemistry covering topics such as thermodynamics, equilibria, kinetics, solution properties, elementary quantum theory, electrochemistry, atomic and molecular structure, and nuclear chemistry. Three class hours.


Chemistry 336: PHYSICAL CHEMISTRY LABORATORY I. [1] Prerequisite or Corequisite: Chemistry 331. Quantitative experimental study of physical chemical principles. This course and Chemistry 337 constitute a year-long introduction to laboratory practices and theories of experimental physical chemistry. Three laboratory hours.

Chemistry 337: PHYSICAL CHEMISTRY LABORATORY II. [1] Prerequisite: Chemistry 331, 336. Prerequisite or corequisite: Chemistry 332. Continuation of Chemistry 336. Three laboratory hours. To be taught September 1968.
Chemistry 422: INSTRUMENTAL ANALYSIS. [4]
Prerequisite or corequisite: Chemistry 331. This course presents a study of the application of physiochemical methods to analytical chemistry, i.e., the quantitative study of chemical reactions by use of modern analytical instrumentation. It offers the student an introduction to the theory and practice of emission spectroscopy; ultraviolet, visible, and infrared absorption spectroscopy; electrical methods of analysis; gas chromatography; nonaqueous studies; and ion exchange. Two class hours, six laboratory hours. To be taught February 1969.
DEPARTMENT OF EDUCATION

(Effective September 1967)

Education 301: EDUCATION FOUNDATIONS AND PRINCIPLES. [3]
Prerequisite to all Education courses. Major movements, and contributors to the evolution of the role of teacher and school; relationship of school purposes and curricula; philosophical and sociological emphases in historical perspective.

Education 311: EDUCATIONAL PSYCHOLOGY. [3]
Prerequisite: Education 301. Deals with concepts of intelligence; motivation of pupils; learning theory; evaluation of pupil progress; and the development of personality, social and emotional behavior, attitudes and skill of the pupil.

Education 321: TEACHING METHODS IN THE SECONDARY SCHOOLS. [3]
Prerequisite or corequisite: Education 311. Deals with the organization and direction of learning experiences provided for youth in secondary schools; develops understanding of approaches used in teaching, and in planning for teaching.

Education 322: USE OF TEACHING MATERIALS. [3]
Prerequisite: Education 321. Teaching materials and their use; develops understandings and skills essential to wise selection and use.
DEPARTMENT OF HUMANITIES

Associate Professor: H. M. Turner.
Assistant Professor: Shea (Program Coordinator).
Lecturers: Hartley, McDaniel, McDermott, Yance.

ANTHROPOLOGY

Anthropology 101: HUMAN EVOLUTION AND PREHISTORY. [3]
The origin and evolution of man based upon the fossil record; the status of modern racial groupings; the history of human society from the earliest times to the rise of the civilizations in the old and new worlds.

Anthropology 102: SOCIAL ANTHROPOLOGY. [3]
The comparative study of culture (including language) and the social institutions of mankind with particular reference to primitive and peasant societies. Certain aspects of western culture will be considered from this perspective.

ART

Art 101, 102: ART APPRECIATION. [3, 3]
Prerequisites: Art 101 is prerequisite for Art 102. A general introduction to principles of art by means of a study of periods, styles and great personalities in painting, sculpture and architecture from prehistoric times to the present. First semester: Prehistoric through medieval. Second semester: Renaissance through modern.

Art 103, 104: DRAWING. [3, 3]
Prerequisite: Art 103 is prerequisite for Art 104. Elementary course in representational drawing and expressive pictorial design. Six hours per week.

Art 201, 202: OIL PAINTING. [3, 3]
Prerequisite: Art 201 is prerequisite for Art 202. A basic course in the fundamentals of oil painting.

PHILOSOPHY

Philosophy 101: INTRODUCTION TO PHILOSOPHY: MAN AND SOCIETY. [3]
Reading and informal discussion of Plato's Republic and the writings of several recent thinkers who deal with the problems of economics, society and government in their relation to human welfare in general.

Philosophy 102: INTRODUCTION TO PHILOSOPHY: EPISTEMOLOGY. [3]
An introductory study of some basic problems concerning perception and belief.

Philosophy 104: INTRODUCTION TO LOGIC. [3]
A study of basic concepts and techniques of deduction, emphasizing the modern treatment of such topics as quantification and modes of inference, but with some study of the classical treatment as well. Also studied are basic principles of induction, the informal fallacies, and the uses of logic in everyday life.
Philosophy 201: ETHICS. [3]
Prerequisite: Sophomore standing or consent of instructor. A consideration of some basic theories of the good life. Reading and discussion of such writers as Plato, Aristotle, Butler, Mill, Kant.

Philosophy 202: METAPHYSICS. [3]
Prerequisite: Sophomore standing or consent of the instructor. A study of some basic problems concerning being in general and the foundations of individual being; traditional treatments of such problems and criticism of the possibility of such knowledge. Readings from three or four leading figures such as Plato, Aristotle, Aquinas, Leibnitz, Kant, Bradley, Heidegger.

Philosophy 203: PHILOSOPHY OF RELIGION. [3]
Prerequisite: Sophomore standing or consent of the instructor. A study of classical appeals to philosophy in support of belief in God's existence (Philo, Augustine, Anselm, Aquinas, Descartes); the fideism of Hume and the metaphysical agnosticism of Kant; the concept of religious experience in the philosophies of Hegel, Schleiermacher, and Kierkegaard; the problem of religious language in contemporary empirical philosophy.

Philosophy 301, 302: HISTORY OF PHILOSOPHY. [3, 3]
Prerequisite: Six hours in philosophy and junior standing or consent of the instructor. A survey of leading thinkers from early Greek philosophy to the twentieth century. First semester: the Pre-Socratics, Plato, Aristotle, Augustine, Aquinas, and others. Second semester: Descartes, Spinoza, Leibnitz, Locke, Berkeley, Hume, Kant, Hegel, Bergson, Whitehead, the Pragmatists, and others.

Philosophy 303: PHILOSOPHY OF MIND. [3]
Prerequisite: Six hours in philosophy and junior standing or consent of the instructor. A study of some traditional and contemporary views regarding the nature of mind, its relation to the physical world and to behavior, and the discoverability of mental processes.

Philosophy 304: MODERN ETHICS. [3]
Prerequisite: Six hours in philosophy and junior standing or consent of the instructor. An examination of major trends and issues in recent moral philosophy, especially those concerning the foundation of morals, the nature of ethical language, and the problem of freedom of the will.

Philosophy 306: CONTEMPORARY PHILOSOPHY. [3]
Prerequisite: Six hours in philosophy and junior standing or consent of the instructor. A study of some recent contemporary philosophical movement, writing, or topic.

RELIGION

The literature of the Old Testament from its beginning to the Babylonian exile.

Beginning with the literature after the Exile, this course is devoted mainly to the New Testament.
Religion 203: RELIGION IN AMERICA. [3]
A survey of the religious heritage in American culture, the growth of denominations and sects; the development of theology and ethics, the interrelationship of religion and the political-social-economic life, and consideration of the modern scene.

Religion 204: THE RELIGIONS OF THE WORLD. [3]
A survey of the origin, development, and patterns of man's religions, including primitive and ancient national religions; the religions of India and East Asia; religions of the Near East.
DEPARTMENT OF LANGUAGES

Assistant Professors: Karlson (Program Coordinator), Golinkin, Sehrt, Walls.
Acting Assistant Professors: Evans, Souville.
Instructors: Brooks, Carter, Gallehr, Lavanceau, Palmieri.
Lecturers: Brandon, Garson, Robert, Schlesinger, Urso, Wekerle.

REQUIREMENTS FOR THE MAJOR IN ENGLISH

Students majoring in English must take thirty hours of course work beyond English 202, including English 301, 302 and six hours from English 309, 310, 313, and 314. It is recommended that seniors take either English 401 or 402.

Acceptable related courses include Anthropology 102; Art 101; History 203, 204; Psychology 101-102; Sociology 101, 102; and all courses in philosophy.

ENGLISH

Expository writing, ranging from single paragraphs to essays of some length and complexity. Study of the logical, rhetorical, and linguistic structures of expository prose; the methods and conventions of preparing research papers; and the practical criticism of major literary types.

Prerequisite: English 101-102. Major literary works from various literary periods and in different genres. Such authors as Shakespeare, Milton, Swift, Byron, Shaw, Conrad, Forster, and Yeats will be read in the first semester; such authors as Poe, Hawthorne, Melville, Whitman, James, Dreiser, Frost, Hemingway, and Faulkner will be read in the second semester.

English 301, 302: SHAKESPEARE. [3, 3]
Prerequisite: English 201-202 or equivalent. Twenty selected plays. First semester will emphasize histories and comedies; second semester, tragedies and romances.

Prerequisite: English 201-202. The history of the English novel (first semester) and the American novel (second semester), with intensive critical readings of representative works. The emphasis is on the major novelists of the nineteenth century and early twentieth century. Offered in alternate sessions; not offered in 1967-68.

English 305, 306: CONTEMPORARY DRAMA, ENGLISH AND MODERN. [3, 3]
An intensive study of representative plays of the major contemporary dramatists of Europe and America, with emphasis on the varied dramatic styles, such as realism, naturalism, expressionism, and existentialism. Offered in alternate sessions; not offered in 1967-68.
English 309, 310: ENGLISH POETRY AND PROSE OF THE NINETEENTH CENTURY. [3, 3]
Prerequisite: English 202. Study of the major poets and essayists of the nineteenth century. The first semester deals with the Romantic writers; the second, with the Victorians.

English 311: CONTEMPORARY ENGLISH POETRY AND PROSE. [3]
Prerequisite: English 202. Reading and analysis of works by selected English poets and prose writers from 1900 to the present.

English 312: CONTEMPORARY AMERICAN POETRY AND PROSE. [3]
Prerequisite: English 202. Reading and analysis of works by selected American poets and prose writers from 1900 to the present.

English 313: ENGLISH POETRY AND PROSE OF THE SEVENTEENTH CENTURY. [3]
Prerequisite: English 202. Poetry and prose from Jonson and Donne to Milton and Dryden.

Prerequisite: English 202. Poetry and prose from Swift and Pope to Boswell and Burns.

English 401: INTRODUCTION TO LITERARY CRITICISM. [3]
Prerequisite: This course is primarily intended for English majors in their senior year. Others may be admitted with permission of the instructor. Study of the major critical theories and techniques of the twentieth century. Exercises in critical analysis.

English 402: CREATIVE WRITING AND ADVANCED COMPOSITION. [3]
Prerequisite: English 202. Theory and practice of expository prose; guidance in creative writing.

FRENCH

Essentials of grammar; reading; oral and aural training. French is used increasingly in the classroom as the session progresses. One additional hour per week is required in the language laboratory.

Prerequisite: French 101-102 or equivalent. Advanced reading and grammatical study; oral and written exercises or reports. French is used in the classroom. One additional hour per week is required in the language laboratory.

French 301, 302. INTRODUCTION TO FRENCH CIVILIZATION AND LITERATURE. [3, 3]
Prerequisite: French 201-202 or equivalent. Introductory studies in the background of French life and culture, and in the outstanding contributions of France to world civilization since the beginning of the eighteenth century.
French 401, 402: MAJOR FRENCH WRITERS, 1850-1950. [3, 3]
Prerequisite: French 302 or equivalent. Study of representative works by major French writers, such as Flaubert, Baudelaire, Gide, Claudel, Valery, Proust and Mauriac. French is used in the classroom.

GERMAN

German 101-102: ELEMENTARY GERMAN. [6]
Introductory training in the speaking, understanding, reading, and writing of German. German is used increasingly in the classroom as the session progresses. One additional hour per week is required in the language laboratory.

German 201-202: INTERMEDIATE GERMAN. [6]
Prerequisite: German 101-102 or equivalent. Training in the speaking, understanding, reading and writing of German. German is used in the classroom. One additional hour per week is required in the language laboratory.

German 301, 302: INTRODUCTION TO GERMAN LITERATURE. [3, 3]
Prerequisite: German 201-202 or equivalent. Readings in selected works of German literature. German is used in the classroom.

SPANISH

Essentials of grammar; reading; oral and aural training. Spanish is used increasingly in the classroom as the session progresses. One additional hour per week is required in the language laboratory.

Spanish 201-202: INTERMEDIATE SPANISH. [6]
Prerequisite: Spanish 101-102 or equivalent. Advanced reading and grammatical study; oral and written work. Spanish is used in the classroom. One additional hour per week is required in the language laboratory.

Spanish 301: INTRODUCTION TO SPANISH CIVILIZATION. [3]
Prerequisite: Spanish 201-202 or equivalent. A survey of Spanish civilization (history, geography and culture) from primitive times to the present; readings in Spanish literature. The course is conducted in Spanish.

Spanish 302: INTRODUCTION TO SPANISH-AMERICAN CIVILIZATION. [3]
Prerequisite: Spanish 201-202 or equivalent and consent of instructor. A survey of Spanish-American civilization (history, geography and culture) from primitive times to the present. The course is conducted in Spanish.

Spanish 401, 402: SURVEY OF SPANISH LITERATURE. [3, 3]
Prerequisite: Spanish 302 or equivalent. Study of representative works by major Spanish writers from the twelfth century to the present. The course is conducted in Spanish.
DEPARTMENT OF MATHEMATICS

Assistant Professors: Cole (Program Coordinator), R. A. Turner.
Instructors: Leftoff, Smith, Wasik.
Lecturers: Cabell, Clark, Fedel, Stutts.

MATHEMATICS

Mathematics 100: BASIC MATHEMATICS.
Algebraic operations, functions and their graphs, trigonometric functions, graphs of trigonometric functions, factoring and fractions, exponents and radicals logarithms, trigonometric relations and formulas, sets of equations, quadratic equations and equations of higher degree. A one semester course of three hours per week without credit. To be taught Summer Session 1967.

Mathematics 101: MATHEMATICAL ANALYSIS. [3]
An introduction to analytic geometry and calculus. Designed as a survey for liberal arts students.

Mathematics 102: MATHEMATICAL ANALYSIS. [3]
An introduction to selected elementary topics in finite mathematics. A survey for liberal arts students.

Mathematics 105: MATHEMATICAL ANALYSIS. [3]
Prerequisite: Mathematics 101. Introduction to probability employing the language and notation of sets. Sample spaces, events as subsets, probability axioms, simple theorems, binomial coefficients and counting techniques, conditional probability, independent events, Bayes formula.

Mathematics 113, 114, 203: ANALYTIC GEOMETRY AND CALCULUS.
[113, 114 — 4 Credits, 203 — 3 Credits]
Prerequisite: Mathematics 113 is prerequisite for Mathematics 114; and Mathematics 114 is prerequisite for 203. Analytic geometry of a straight line, functions and graphs, limits, derivative, differentials, indefinite integral, definite integral, definite integral applications, metric equations, solid analytic geometry, partial differentiation, infinite series, and multiple integrals. Applications to physics. Mathematics 101 and 113 cannot both be taken for credit.

Mathematics 204: DIFFERENTIAL EQUATIONS. [3]
Prerequisite: Mathematics 203. First order differential equations and applications, linear differential equations and applications, Laplace transforms, systems of equations, solutions in terms of power series, partial differential equations.

Mathematics 205: LINEAR ALGEBRA. [3]
Prerequisite: Mathematics 114. Vector spaces, linear independence, bases, linear transformations, matrix algebra, inner product linear equations, special topics.

Mathematics 206: ABSTRACT ALGEBRA. [3]
Prerequisite: Mathematics 114. Elements of set theory, rings, integral domains, number systems, polynomials fields, group theory.

Mathematics 207: PROBABILITY AND STATISTICS. [3]
Prerequisite: Mathematics 114. Discrete and continuous frequency distributions.
of one and more variables, random sampling and applications of the normal; Chi-Square, Student’s, and F distributions; testing statistical hypotheses, regression and correlations.

Prerequisite: Mathematics 204. Functions of single variable, sequences, limits, continuity, fundamental theorems, mean value theorems, improper integrals, Taylor’s theorem, uniform convergence, power series, Fourier series. Functions of several variables, vectors, continuity, partial differentiation, geometrical applications, implicit functions, transformations, maxima and minima, multiple integrals, line and surface integrals, Gauss’, Green’s, and Stokes’ theorems.

Mathematics 401: FUNCTIONS OF COMPLEX VARIABLES. [3]
Prerequisite: Mathematics 302. A development of the fundamental theories of functions of a complex variable with applications. Topics include: functions of a complex variable, Cauchy’s theorem, infinite series, residue and contour integration, conformal mapping and applications, entire and meromorphic functions, periodic functions. To be taught September 1968.

Mathematics 402: FUNCTIONS OF REAL VARIABLES. [3]
Prerequisite: Mathematics 302. Real number system, limits, linear point sets, functions and continuity, sequences of functions, measure theory, Riemann integral, Lebesque integral, differentiation and integration. Lebesque-Stieltjes integral. To be taught second semester 1968-69.

Prerequisite: Mathematics 204. Numerical solutions of ordinary and partial differential equations, numerical differentiation and integration, significant figures, errors. Formulation of numerical problems for solution on digital computers. To be taught 1968-69.


ENGINEERING

Mathematics 113, 114: ANALYTIC GEOMETRY AND CALCULUS. [4, 4]
(See previous listing.)

Mathematics 201: MATHEMATICAL ANALYSIS II. [5]
Prerequisite: Mathematics 114. Linear algebra; systems of simultaneous equations, matrices, vectors, diagonalization of matrices. Calculus of several variables; partial differentiation and multiple integration, applications to engineering and physics. For engineering students.

Mathematics 202: MATHEMATICAL ANALYSIS III. [3]
Prerequisite: Mathematics 201. Calculus of several variables; completion of material in Mathematics 114. Differential equations; methods for solution of ordinary differential equations of first order and of higher order when the coeffi-
cient are constant, introduction to series solution of differential equations. For engineering students.

Mechanics 210: STATICS. [3]

Mechanics 211: DYNAMICS. [3]

Drawing 103: ENGINEERING GRAPHICS I. [2]
The first half of a two semester course in fundamentals of drawing. Lettering, geometric construction, multiview drawing and sketching, pictorial drawing and sketching, sectioning, auxiliary views, dimensioning and assembly drawing. One hour lecture, three hours laboratory.

Drawing 104: ENGINEERING GRAPHICS II. [2]
Prerequisite: Drawing 103. Second semester topics are points, lines, planes, curved surfaces, development, and vectors. One hour lecture, three hours laboratory.
DEPARTMENT OF PHYSICS

Associate Professor: Mielczarek (Program Coordinator).
Assistant Professor: Papaconstantopoulos.
Lecturer: Dowe.

Physics 101-102: INTRODUCTORY COLLEGE PHYSICS. [8]
A working knowledge of arithmetic, elementary algebra, and trigonometry is essential. Prerequisite or Corequisite: Mathematics 101. The principles of mechanics, heat, electricity and magnetism, optics, atomic and nuclear physics. Three hours lecture, three hours laboratory or supervised work per week.

*Physics 104: GENERAL PHYSICS I. [3]
Prerequisite: Mathematics 113; Corequisite: Mathematics 114. Particle dynamics, wave motion, heat. Two hours lecture, two hours of recitation per week.

Physics 205: GENERAL PHYSICS II. [5]
Prerequisite: Mathematics 114 and Physics 104; Corequisite: Mathematics 203. Electricity and magnetism. Three hours lecture, four hours laboratory or supervised work per week.

Physics 206: GENERAL PHYSICS III. [5]
Prerequisite: Mathematics 203 and Physics 205. Physical optics, atomic and nuclear physics. Three hours lecture, four hours of laboratory or supervised work per week.

Physics 301: ELECTRONICS LABORATORY. [2]
Prerequisite: Physics 205 or permission of the instructor. A laboratory course in electronics; design and operational characteristics of power supplies, amplifiers, oscillators; servo mechanisms, switching, timing, and digital counting circuits. Four hours of laboratory work per week.

Physics 303: CLASSICAL MECHANICS. [3]
Prerequisite: Physics 206; Prerequisite or Corequisite: Mathematics 204. Motion of a particle in one, two, and three dimensions; systems of particles; moving coordinate systems; equations of Lagrange and Hamilton. Three lecture hours per week.

Physics 401, 402: AN INTRODUCTION TO QUANTUM MECHANICS AND ATOMIC PHYSICS. [3, 3]
Prerequisite: Physics 206; Prerequisite or Corequisite: Mathematics 204. The experimental basis of quantum mechanics; the wave equation; perturbation theory; angular momentum; hydrogen atom, quantum numbers, electron spin, exclusion principle. Three lecture hours per week.

*The three-semester sequence, Physics 104, 205, 206 is a calculus-based course in General Physics to be taken by physics, chemistry, engineering and those mathematics and science students who require a more intensive course than Physics 101 and 102.
DEPARTMENT OF SOCIAL SCIENCES

Professor: Early (Chairman).
Associate Professor: Pierce.
Assistant Professors: Davis, McKeithen, Pugh, Vance.
Instructors: Gleissner, Goode, Skelly.
Lecturers: Bartlett, Federspiel, MacConkey, Racine.

REQUIREMENTS FOR THE MAJOR
IN BUSINESS AND PUBLIC ADMINISTRATION

The major program in Business and Public Administration culminates in a Bachelor of Arts degree and requires a minimum of 120 hours of courses. All degree requirements of the College as set forth in its academic regulations must be met.

For those students graduating in June 1968 the major in Business and Public Administration shall consist of at least thirty hours of work in business administration and economics courses in combination and may include Government 241. Acceptable related courses are Government 101, 131, Psychology 101-102, and History 121 and 122.

Candidates for the Bachelor of Arts degree in Business and Public Administration who will graduate after June 1968 must present insofar as possible the following courses: Business Administration 101-102, 202, 203-204, 302, and 402 and such other courses as they may choose, to total not fewer than thirty-three hours in the major discipline. At least fifteen hours must be from courses numbered in the 300 and 400 series. Not more than forty-two hours may be submitted in fulfillment of the degree program, but additional hours may be counted toward graduation as elective courses. It is recommended that most hours of elective work be devoted to subjects that will broaden and deepen the students' general education.

Courses related to the major shall include Economics 101-102 and 301 or 302, plus an additional three hours of economics or Government 241.

REQUIREMENTS FOR THE MAJOR IN HISTORY

A major in history for students graduating in June 1968 shall consist of thirty hours of course work in their discipline. Acceptable related courses are: Government 101, 102; Government 131, 132; Anthropology 101; Religion 101, 102, 203, and 204; Sociology 101; Economics 101, 102; Philosophy 101; English 313 and 314.

For students graduating after June 1968 the major program in history shall include thirty-three hours of history and must include History 480. A student may not take more than fifteen hours of courses numbered 100 or 200 and must have received grades of C or better in three-quarters of the courses in history to be counted for his degree.

BUSINESS ADMINISTRATION

Business Administration 101: ELEMENTARY ACCOUNTING. [3]
An overview of the accounting cycle with emphasis on preparation of work sheets and financial statements and on accounting for sales, purchases, cash transactions, and internal control.
Business Administration 102: ELEMENTARY ACCOUNTING. [3]
Prerequisite: Business Administration 101 or permission of instructor. An examination of the accounting principles and methods applicable to partnerships and corporations engaged in trading and manufacturing and of the sources of capital available to them.

Business Administration 201: INTRODUCTION TO BUSINESS. [3]
Prerequisite: Economics 101 and 102 or permission of instructor. An introduction to the environmental factors of business from the viewpoint of management and its use of quantitative measures and controls. Theoretically oriented with attention to case studies and experiences designed to direct the students into analytical thinking about problems of business and economics.

Business Administration 202: BUSINESS COMMUNICATION. [3]
An introduction to the forms, practices, and problems of effective business communications. Includes inquiry into the sources and uses of business information; techniques for analyzing and evaluating data; for conducting interviews and conferences; and for developing and using creative abilities of employees. Emphasis is placed on written exercises.

Business Administration 203-204: BUSINESS AND ECONOMIC STATISTICS. [6]
Prerequisite: Mathematics 101 and 102 or 101 and 105 or permission of instructor. A study of statistical methods with emphasis upon business and economic data, including such techniques as collecting, classifying, tabulating, graphing, and combining data; frequency distributions; index numbers; time series; correlation; preparation of reports.

Business Administration 205, 206: INTERMEDIATE ACCOUNTING. [3, 3]
Prerequisite: Business Administration 101, 102 or permission of instructor. A detailed analysis of problems and the related theory concerning accounts normally found in financial statements. Preparation of supplementary and special reports for special accounting and managerial purposes.

Business Administration 301: GOVERNMENT AND BUSINESS. [3]
Prerequisite: Economics 101 and 102 or permission of instructor. A consideration of public policies intended to resolve or mitigate problems caused by industrial and other combinations, by public utility industries, by government enterprises, by labor-management relations, and by the changing status of agriculture.

Business Administration 302: PRINCIPLES OF MARKETING. [3]
An examination of the marketing structure and of business and economic activities involved in marketing goods. Attention is given to surveys, to distribution channels, to functions, costs and alternative policies, to social and economic consequences, and to governmental supervision and control of the marketing of consumer and industrial goods.

Business Administration 401: LABOR-MANAGEMENT RELATIONS. [3]
Prerequisite: Economics 201 or permission of instructor. An examination of American trade unions and of unionism. The labor contract; the bargaining processes; the philosophy of unionism; the use of bargaining techniques for non-wage issues; the legal context of labor-management relations; the responsi-
bilities and duties of unions and management; the political-economic impact of unionism.

Business Administration 402: INTRODUCTION TO ORGANIZATION AND MANAGEMENT. [3]
Prerequisite: Business Administration 201 or permission of instructor. An introductory examination of principles and problems of organization and management, including those associated with planning, organizing, directing, staffing, and controlling. The nature and techniques of planning in relation to managerial decision-making are stressed and attention is given throughout the semester to differences found in small versus large enterprises.

ECONOMICS

Economics 101: PRINCIPLES OF ECONOMICS. [3]
An introductory course emphasizing macroeconomic analysis. Topics considered include national income analysis, money and banking, economic growth and stability, unemployment, inflation, and the role of government in the economy.

Economics 102: PRINCIPLES OF ECONOMICS. [3]
Prerequisite: Economics 101 or permission of instructor. A course emphasizing introductory microeconomic analysis. Basic economic concepts and theories of production, value, price, and economics of the firm, and functional distribution are considered and applied under varying conditions of the market.

Economics 201: INTERMEDIATE MACROECONOMICS. [3]
Prerequisite: Economics 101 and 102 or permission of instructor. The study of aggregate economic accounts, including the measurement of national income, determinants of levels of income and output, and causes and solutions for problems of unemployment, inflation, and economic growth. To be taught September 1968.

Economics 202: ECONOMICS OF LABOR. [3]
Prerequisite: Economics 101 and 102 or permission of instructor. A course analyzing economic factors that determine levels of wages and employment and their economic consequences. Attention is directed to recent developments in unionism, collective bargaining, and industrial technology. To be taught second semester 1968-69.

Economics 301: MONEY AND BANKING. [3]
Prerequisite: Economics 101 and 102 or permission of instructor. An examination of monetary and of commercial and central banking systems in the economic system with particular emphasis upon their relationship with American governmental programs, fiscal policies, and controls.

Economics 302: INTERMEDIATE PRICE THEORY. [3]
Prerequisite: Economics 101 and 102 or permission of instructor. An examination of basic factors of price and distribution theory, including analysis of demand, costs of production, and supply relationships, and price and output determination under various market structures.

Economics 401: COMPARATIVE ECONOMIC SYSTEMS. [3]
Prerequisite: Economics 101 and 102 or permission of instructor. An examination of the theory, programs, and practices of selected major contemporary economic
systems, to include capitalism, socialism, communism, and fascism. Special attention is given to the role of planning in the western European countries.

Economics 402: ECONOMICS OF DEVELOPING AREAS. [3]  
Prerequisite: Economics 101 and 102 or permission of instructor. An analysis of major aspects of economic growth characteristic of developing countries. Recent theories of economic development; obstacles to development; policies and planning for development.

GOVERNMENT

The structure and functions of the national government of the United States, with emphasis upon the dynamics of the political and governmental systems as revealed by available empirical evidence.

An examination of the preconstitutional period, the Articles of Confederation, and the drafting of the Constitution; principles of the Constitution in theory and application; the position of the states in the Union and a survey of state and local governmental forms and problems.

Government 131: INTRODUCTION TO INTERNATIONAL POLITICS. [3]  
An examination of geographic, demographic, economic, ideological, and other factors which influence foreign policies of states; the methods of conflict and institutions of adjustment extant among states; the limitations and functions of power, diplomacy, and international law and organization.

Prerequisite: Government 131 or permission of instructor. Study of the foreign policies of the United States, of the other major powers, and of selected smaller powers.

Government 221: COMPARATIVE GOVERNMENT AND POLITICS. [3]  
Prerequisite: Government 101 or permission of instructor. A comparative analysis of the backgrounds, forms, and activities of selected contemporary foreign governments, including those of England, France, West Germany, and the Soviet Union.

Prerequisite: Government 101 or permission of instructor. A study of the constitutional, political, and administrative systems of Latin America with attention to the political implications of economic development, nationalism, demography, and social reform.

Government 231: INTERNATIONAL LAW. [3]  
Prerequisite: Government 131 or permission of instructor. Not open to Freshmen. A study of the origin and development of international law and of its general principles relating to such subjects as the acquisition of statehood, recognition of new governments, rights and obligations of states, territorial jurisdiction, procedures for peaceful settlement of disputes, the laws of war and neutrality, and the legal character of international organization.
Government 232: INTERNATIONAL ORGANIZATION. [3]  
_Prerequisite: Government 131 or permission of instructor._ A study of the origin and development of international organization from the Concert of Europe to the United Nations. Emphasis is given to aspects of extranational organizations to illustrate the problems, powers, purposes, and limitations of their existence.

Government 241: INTRODUCTION TO PUBLIC ADMINISTRATION. [3]  
_Prerequisite: Government 101 or permission of instructor._ An examination of administrative structure and processes. Includes organization theory, administrative behavior, personnel, decision-making, communications, leadership, management, budgetary processes, and administrative responsibility.

HISTORY

History 101, 102: HISTORY OF WESTERN CIVILIZATION. [3, 3]  
The historical development of western institutions, ideas, and cultures from antiquity to modern times. Emphasis will be given to the origin and development of those institutions and ideas that have been incorporated into American traditions.

History 121: FORMATION OF THE AMERICAN REPUBLIC. [3]  
The social, political, economic, and intellectual growth of American institutions from colonization through the Civil War. Emphasis is placed on the formation of the Union and its subsequent industrial, social, and political growth to 1865.

History 122: DEVELOPMENT OF MODERN AMERICA. [3]  
History of the United States from 1865 to the present. Territorial expansion; Reconstruction and reaction; imperialism; industrialism, individualism, and opportunity; the time of social protest; the era of war and prosperity; economic collapse and the New Deal; the end of isolation; the sources and problems of world leadership and power.

History 201: MEDIEVAL EUROPEAN HISTORY. [3]  
Medieval history from the fall of Rome: barbarization of the West; growth of the Church; rise of Islam; the Carolingian empire; Moslem and Greek cultures; development of feudalism; feudal particularism; empire and papacy; developments in education, arts, and architecture; the crusades. To 1200 A.D.

History 202: MEDIEVAL EUROPEAN HISTORY. [3]  
The Middle Ages from the thirteenth century; triumph of the papacy; church and state and the growth of opposition to the papacy; the Hundred Years War: decline of the Church; Renaissance and Reformation; expansion of secular culture; society, commerce, and exploration to the beginning of the sixteenth century.

History 203: THE EMERGENCE OF MODERN EUROPE. [3]  
The history of western Europe from the sixteenth century to the defeat of Napoleon. The transition of political, economic, and social institutions from their medieval to their modern forms; the secularized products of religious revolt, and the world-wide expansion of European influence and patterns.

History 204: CONTEMPORARY EUROPE. [3]  
A survey of the impact upon Europe of the Enlightenment and liberalism; population growth; industrialization and technology; materialism; imperialism; popular revolutionary sentiment; the collapse of the European state system; the
rise of statism and authoritarianism; the revolt from positivism; the new role of reconstructed Europe in the present world.

History 221: FRONTIER HISTORY OF AMERICA. [3]
Prerequisite: History 121 or permission of instructor. The history of the expansion, exploration, settlement, and building of the frontier, with emphasis on problems of defense, communication, finance and markets; the development of institutions; the cultural and political influence of the frontier.

History 222: HISTORY OF THE OLD SOUTH. [3]
Prerequisite: Six hours of history or permission of instructor. The history of the South to the outbreak of the Civil War, with particular emphasis on the rise of sectionalism. The development of a distinct southern culture is traced through the emergence of economic, political, social, agricultural and intellectual institutions.

History 321: CULTURAL AND INTELLECTUAL HISTORY OF THE UNITED STATES: 1700-1865. [3]
Prerequisite: Six hours of American history or permission of instructor. An inquiry into the cultural and intellectual currents in America to 1865: The Puritan mind and its legacy; the Enlightenment in America; American nationalism; the rise of social democracy; development of American liberalism and conservatism; revivalism and other religious developments; industrialism, liberal capitalism, and the idea of progress.

Prerequisite: Six hours of American history or permission of instructor. American thought and society from 1865 to the present. The effects of industrialization upon basic American institutions; development of a business "credo"; the growth of radical thought in economics, politics and religion; changes in the social structure; the increasing power and influence of the state.

History 331: ENGLAND THROUGH THE REVOLUTION OF 1688. [3]
The development of modern England from the time of the Roman invasion through the Revolution of 1688. Roman Britain; Anglo-Saxon England; the Norman Conquest; the Angevin empire; town and country life; constitutional development; social, economic, and religious growth; Catholicism versus Protestantism; King against Parliament; Civil War and the Interregnum; Restoration and the Revolution.

History 332: ENGLAND FROM THE REVOLUTION OF 1688. [3]
History of England from 1688 to the present. Stuart England; political leadership; the Napoleonic era; growth of industrialization and its social and economic consequences; the period of reform; foreign affairs and imperialism, 1865-1905; the transition from Empire to Commonwealth; the role of Britain in the mid-twentieth century.

Prerequisite: Six hours of history or permission of instructor. Latin-American history to 1825, with emphasis upon indigenous Indian civilizations, transplantation of Hispanic and African cultures to the New World and the political, economic, social, and cultural results; Spanish-Portuguese explorations and conquests; colonial development of Latin America; the wars for independence.
Prerequisite: Six hours of history or permission of instructor. The development of an independent Latin America since 1825. Emphasis is on the interactions between the United States and Latin America.

History 441: THE RISE OF RUSSIA. [3]
Prerequisite: History 101 and 102 or permission of instructor. The development of the Russian Empire and its institutions from the early Christian era to the Revolution of 1917.

History 442: MODERN RUSSIA AND THE SOVIET UNION. [3]
Prerequisite: History 101 and 102 or permission of instructor. Causes of the revolution, the rise of Bolshevism, Lenin's leadership and the formation of the Soviet Union, and the economic, political, and social developments in the U.S.S.R. under Stalin and his successors.

History 451: EAST ASIAN CIVILIZATION. [3]
Prerequisite: Six hours of history or permission of instructor. The histories of China, Japan, Korea, and North Vietnam prior to the arrival of the Europeans.

History 452: EAST ASIAN CIVILIZATION. [3]
Prerequisite: Six hours of history or permission of instructor. The histories of China, Japan, Korea and related Asian areas after the arrival of the Europeans in the nineteenth century.

History 480: SEMINAR FOR HISTORY MAJORS: HISTORIOGRAPHY. [3]
Prerequisite: Enrollment is restricted to senior majors in history. A thorough study of the techniques and problems of historical research and writing. Of six seminars of three hours duration each, three are devoted to European historiography and three to American historiography. They are followed by individual supervised research and preparation of term papers on appropriate subjects.

PSYCHOLOGY

Prerequisite to all other courses in Psychology. Psychology 101 or permission of instructor is required for Psychology 102. An examination of the principles of behavior and of certain of the experimental data supporting them. Maturation of behavior; learning; motivation; emotion, sensory and perceptual processes; thinking; personality; measurement of ability; organic bases of behavior; small group behavior, and other social factors affecting behavior.

Psychology 201: SOCIAL PSYCHOLOGY. [3]
Prerequisite: Psychology 101-102 or permission of instructor. A study of man's development in a social matrix, stressing particularly interpersonal behavior. The topics presented include socialization, cultural behavior, group norms, group roles, types of leadership, intragroup status, and attitude formation.

Psychology 202: PERSONALITY THEORY. [3]
Prerequisite: Psychology 101-102 or permission of instructor. An introduction to classical and contemporary theories of personality and a comparative evaluation of major theories in terms of relevant research studies. Journal and other literature is used to introduce research methods and problems.
Psychology 203: DEVELOPMENTAL PSYCHOLOGY: PSYCHOLOGY OF CHILDHOOD. [3]
Prerequisite: Psychology 101-102 or permission of instructor. A study of the process of human development from conception to adolescence. Genetic factors and environmental influences as they interrelate to shape physical, intellectual, emotional and social growth are considered. Pertinent psychological theories and the research findings upon which they are based are presented.

Psychology 204: DEVELOPMENTAL PSYCHOLOGY: PSYCHOLOGY OF ADOLESCENCE. [3]
Prerequisite: Psychology 101-102 or permission of instructor. A study of the biological and cultural changes accompanying adolescence and the effect of these changes on emotional, intellectual, and physical growth; social development and heterosexuality; adolescent personality; problems of adjustment; civic competence and juvenile delinquency; emancipation from parents, and vocational choice.

Psychology 301: ABNORMAL PSYCHOLOGY. [3]
Prerequisite: Psychology 101-102 or permission of instructor. A study of factors underlying human behavior and the relationships between these factors and abnormal behavior. Special emphasis is placed upon the dynamics of maladjustment which result in neuroses and psychoses.

Psychology 302: ABNORMAL PSYCHOLOGY. [3]
Prerequisite: Psychology 301 or permission of instructor. A study of the development of abnormal behavior patterns. Also considered are present-day methods of diagnosis, treatment and prevention of serious mental disorders such as psychosomatic disorders, the psychoses, character disorders and mental retardation.

SOCIOMETRY

Sociology 101: INTRODUCTORY SOCIOLOGY. [3]
An introduction to basic sociological concepts. Aspects of human behavior; individual and group interaction; social mobility and stratification; status and class; race relations; urbanism; crime and criminology; social change and reform.

Sociology 102: MODERN SOCIAL PROBLEMS. [3]
Prerequisite: Sociology 101 or permission of instructor. A sociological analysis of the problems of modern society, including those related to stratification, urbanism, family and kinship, cultural change, and deviant behavior.

Sociology 201: MARRIAGE AND THE FAMILY. [3]
Prerequisite: Sociology 101 or permission of instructor. A study of marriage and the family in contemporary America. Premarital behavior and courtship; marital adjustment; socialization of children. Lectures and discussions.

Sociology 232: SOCIOLOGY OF URBAN COMMUNITIES. [3]
Prerequisite: Sociology 101 or permission of instructor. An analysis of the urban community: Historical development, demography, and ecology of metropolitan areas; urbanism as a way of life; the emergence of suburbia as a sociological phenomenon.
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Thomas Franklin Laws, Jr.
Christopher Anthony Lee
Robert Edward Lilly, II
Larry Eugene Lunsford
Margaret Mary Maliniak
Richard Edward McCary
Robert Malcolm Merchant, Jr.
Alan James Millican
Dennis William Moore
Robert Lee Morris
John Robert Myers
Helen Jean Namey
William Frank Orr
Kathleen May Peak
William Morris Pearl
Clinton Michael Quinn
Maureen Ann Reilly
Nancy Kaye Ross
Kenneth Alan Saunders
Arch Chilton Scurlock, Jr.
Ann Marie Sherman
Steven Shinderman
Leland Floyd Smith
Carolyn Jeannette Strow
Richard Henry Dulany Tayloe
Frederik Rudolf Tellekamp
Craig Thomas Twentyman
Vincent James Valentino
Robert Lawrence Walker
Shirley Faye Wheeler
Lynne Whoolery
Sandra Lea Wohlford

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RECIPIENTS OF INTERMEDIATE HONORS

June 7, 1966

Christopher Conkling Barnekov, Jr.  William Frank Orr
Jimmy Allen Blankenship          Ann Marie Sherman
William Rankin Conrad            Robert Lawrence Walker

STUDENT ASSEMBLY OFFICERS, 1966-1967

President
William Laws
Vice President
Gilbert Sager
Secretary
Janice Hawn
Treasurer
Teresa Hockersmith

HONOR COURT, 1966-1967

Michael Alexander
Gail Fitzpatrick
James J. Heston
Thomas F. Laws
Nancy Maloney