STATEMENT
OF
OBJECTIVES

Denison University is a Christian college in the sense that all its instruction is motivated by Christian principles. There is no attempt to force religion into a particular denominational expression and all the advantages of the institution are offered to every student without discrimination.

Denison University is a college of liberal arts and sciences in which the development of the individual takes precedence over all other aims. Consequently the University attempts to aid the student to achieve:

1. An ability to think honestly, clearly and constructively;
2. A facility in the oral and written use of English, and some familiarity with the treasures of literature;
3. An understanding of the meaning and methods of the main branches of learning;
4. A sufficient concentration in one or two fields of learning so that he may be prepared more adequately for his life work;
5. An interest in the excellent management of his mind and body so that they may become contributing factors in the furtherance of his life aims;
6. An acquaintanceship with all peoples, past and present, thus developing a cosmopolitan attitude of mind;
7. A social outlook and way of living that will lead to mutually satisfying and helpful relations with others;
8. An appreciation of beauty as expressed in nature and the arts;
9. A determination to use his knowledge for human welfare; and
10. A personality developed around Christian principles and ideals.
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1950

**FIRST SEMESTER**

Freshman Days, Thursday-Tuesday, September 7-12
Registration Day, Wednesday, September 13
Classes begin Thursday, September 14
Thanksgiving Vacation begins Wednesday, November 22, noon
Thanksgiving Holiday, Thursday, November 23
Thanksgiving Vacation ends Monday, November 27, 8 a.m.
Pre-registration Day, Saturday, December 9
Christmas Vacation begins Saturday, December 16, 8 a.m.

1951

Christmas Vacation ends Wednesday, January 3, 8 a.m.
Comprehensive Examination Reading Period, Saturday-Friday, January 6-12
Comprehensive Examinations for Graduating Seniors, Saturday-Tuesday, January 13-16
Classes end Tuesday, January 16, 10 p.m.

SECOND SEMESTER

Registration Day, Wednesday, January 31
Classes begin Thursday, February 1
Graduate Record Examination, Saturday, March 10 and 17.
Good Friday (no afternoon classes), Friday, March 24
Easter Sunday, March 25
Spring Vacation begins Friday, March 30, 6 p.m.
Spring Vacation ends Monday, April 3, 8 a.m.
Pre-registration Day, Saturday, April 28
Comprehensive Examination Reading Period, Thursday-Wednesday, May 17-23
Comprehensive Examinations, Thursday-Saturday, May 24-26
Classes end Friday, May 25, 6 p.m.
Memorial Day (Holiday), Wednesday, May 30
Final Examinations, Monday-Thursday, May 28-June 7
Commencement, Monday, June 11
# CALENDAR
## 1951-52

### FIRST SEMESTER

- **September 11-16**
  - Registration Day, Monday, September 17
  - Classes begin Tuesday, September 18
  - Thanksgiving Vacation begins Wednesday, November 21, noon
  - Thanksgiving Vacation ends Monday, November 28, 8 a.m.
- **December 16**
  - Comprehensive Examination Reading Period, Wednesday-Tuesday, January 9-15
  - Comprehensive Examinations for Graduating Seniors, Wednesday-Friday, January 16-18
  - Classes end on Friday, January 21-30
  - Final Examinations, Monday-Thursday, January 21-30

### SECOND SEMESTER

- **February 4**
  - Graduate Record Examination, Saturday and Saturday, March 15 and 22
- **March 28, 6 p.m.**
  - Spring Vacation begins Friday, March 28, 6 p.m.
  - Spring Vacation ends Monday, April 7, 8 a.m.
  - Good Friday (no afternoon classes), Friday, April 11
  - Easter Sunday, April 13
  - Pre-registration Day, Saturday, April 26
  - Comprehensive Examination Reading Period, Thursday-Wednesday, May 15-21
  - Comprehensive Examinations, Thursday-Saturday, May 22-24
  - Classes end Friday, May 23, 6 p.m.
  - Final Examinations, Monday-Thursday, May 26-June 5
  - Commencement, Monday, June 9

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**5**
GENERAL INFORMATION

HISTORY

Denison is a small college, rich in the belief that has made America great: the belief that in knowledge lies the power for good. Founded in 1831 by Ohio Baptists as the Granville Literary and Theological Institution and incorporated under its present name in 1854, Denison University has stood in the vanguard of American higher education for more than one hundred years. At the present time Denison's offerings as a college of liberal arts and sciences and a conservatory of music are in keeping with its rich cultural heritage. Denison cooperates with the Board of Education of the Northern Baptist Convention, but its teaching has always been non-sectarian and its doors are open to all persons without regard to race or creed.

LOCATION

Denison University is located in Granville, Ohio, at the western edge of the Appalachian plateau. Granville was founded in 1805 by persons who emigrated from Granville, Massachusetts. Much of New England charm and atmosphere is found in this central Ohio village with its broad streets and colonial houses, and many of the college buildings follow the Georgian Colonial architectural design.

Highways passing through Granville connect the village with Newark, the seat of Licking County, seven miles east, and with Columbus, the state capital, 27 miles west, both on Route 16. Granville
is also on State Route 37, just 10 miles north of U.S. 40, and State Route 661 from Mount Vernon and State Route 161 from Urbana.

Railroad connections may be made in Newark with the Pennsylvania or the Baltimore and Ohio lines. Taxicabs and inter-city buses operate between Granville and Newark. Other bus lines serving the village are the Lake Shore System between Newark and Columbus and the transcontinental Greyhound Lines. Express shipments may be made through the American Railway Express which maintains an office in Granville.

CAMPUS AND BUILDINGS

The campus of 350 acres centers on College Hill, a horseshoe-shaped ridge which rises to the north of the business district. At the foot of College Hill and in the west end of the village are several buildings on land that originally comprised Shepardson College for women but is known today as the Lower Campus.

On the crest of the hill the academic buildings, the library, the chapel, and the hospital are located. To the east are the women's dormitories. To the west, adjacent to Fraternity Row, are five residence halls for men. At each extreme, apartments for married couples are built. North of the main college buildings are the spacious playing fields for athletic and recreational purposes. Near the foot of College Hill and adjacent to the Lower Campus, the attractive chapter houses comprising Sorority Circle are grouped.

SWASEY CHAPEL with its stately tower dominates the Denison campus and serves as a landmark to travelers approaching Granville. The building, dedicated in 1924, was named in honor of the donor, Dr. Ambrose Swasey. The chimes in the chapel tower are a memorial to his wife, Lavinia Marston Swasey. Nearby is Swasey Observatory, built in 1910.

THE WILLIAM HOWARD DOANE LIBRARY stands at the head of the quadrangle of academic buildings. The present structure, built in 1937, replaced the original building presented by Dr. Doane in 1878. The newer building was the gift of his daughters, Mrs. George W. Doane and Miss Ida F. Doane.

DOANE ADMINISTRATION BUILDING, containing the college offices and several classrooms for languages and mathematics, was the gift of Dr. Doane in 1894.

LIFE SCIENCE BUILDING, erected in 1941, is used by the departments of biological sciences, psychology, philosophy, and family life. This building was the gift of Miss Ida Frances Doane.
BARNEY SCIENCE HALL is used by the departments of geology and geography, physics, engineering science, education, religion, sociology, and art. It was the gift of Edgar J. Barney as a memorial to Eliam E. Barney, his father, and was erected in 1905.

TALBOT HALL is a classroom building for languages and economics; the two upper floors serve as a dormitory for men. The building was erected in 1871 and was named in honor of Samson Talbot, the fifth president of Denison.

CHEMISTRY COTTAGE, near Life Science Building, completes the academic buildings on the quadrangle.

CLEVELAND HALL, on the south slope of College Hill near the Lower Campus, serves as a classroom building for the departments of history and government. It also houses the Student Union. Cleveland Hall, given by friends of the college living in Cleveland, served as the men's gymnasium from the time it was built in 1905 until 1950.

Comprising the Lower Campus group are the Conservatory of Music, Recital Hall, the Doane Gymnasium for Women, Shepardson Commons, and six residence halls for women.

On College Hill east of the chapel are Whisler Memorial Hospital, built in 1929 as a memorial to Helen Arnett Whisler; Colwell House; and four residence halls for women.

DEEDS FIELD, which was named in honor of the donor, Colonel Edward A. Deeds of the Class of 1897, utilizes the natural amphitheatre on the slope to the north of the chapel. The football field and stadium were built in 1922.

PHYSICAL EDUCATION AND COMMUNITY CENTER, located just east of Deeds Field, was built in 1949-50. Primarily the center of physical education for men, it serves a variety of college and community uses. It provides Denison with a completely modern gymnasium seating 3,000 spectators. In addition to the basketball court, the spacious Center contains physical education classrooms and offices; a field house for indoor practice of football, track, and baseball; and various small courts. Adding greatly to the recreational and cultural facilities of Licking County, the Center provides adequate space for all major events such as lectures, concerts, commencement exercises, and other assemblies. Two additional wings to the building are planned, one to house the swimming pool, and the other, the women's gymnasium.

On the north campus at the center of the women's athletic grounds is Lamson Lodge, named for the donor, Julius G. Lamson. It
serves as a shelter house and recreation classroom, and contains the Badenoch Memorial Library of the department of physical education for women.

RESIDENCE HALLS

Denison recognizes the experience of group living as an important part of a college education. To that end the University operates residence and dining halls for all women students and for all freshman men. Most of the rooms accommodate two students each, but many of the upperclass women live in suites for three or four students. Upperclass men live in one of seven fraternity chapter houses, in dormitories as accommodations are desired, or in approved private dwellings in the village.

Women students are accommodated in two groups of dormitories, upperclass women living on College Hill at the eastern end of the ridge and freshmen and sophomores on the Lower Campus. On College Hill are Shaw Hall, named in honor of the late President and Mrs. Avery Albert Shaw; Beaver Hall, named in honor of Mary Thresher Beaver; and Sawyer Hall, named for Charles Sawyer, an early benefactor of higher education for women. These residence halls accommodate 270 women, all of whom take their meals in Colwell House.

On the Lower Campus freshman and sophomore women live in Stone Hall, named in honor of the Reverend Marsena Stone, a former professor; King Hall, named in honor of a former trustee; Burton Hall, named in honor of the founders of an early school for girls in Granville; Monomoy Place; and Parsons Hall. Meals for the 245 students residing in these halls are served in Shepardson Commons.

Freshmen occupy Curtis Hall, a large dormitory accommodating 190 men students. Dining facilities in Curtis Hall are adequate to care for residents there and those students who live in other dormitories and who do not take their meals at fraternity houses. Curtis Hall was erected in 1940 as a memorial to Lanson Stage Curtis of the Class of 1896, made possible by a gift from his mother, Mrs. Annetta R. Jewell. The building was enlarged in 1946.

Additional rooms for men are provided on the two upper floors of Talbot Hall and in auxiliary units known as The Pines, Cedars, Hemlocks, and Spruces.

Gilpatrick House, a cooperative house for upperclass women, is located on the Upper Campus near Colwell House. Here 15 students share the household duties including the preparation of meals. The cooperative nature of the undertaking reduces living costs materially.
East Cottage on the Lower Campus is also maintained for 15 women under the same cooperative plan.

Eight temporary buildings, operated by the University, provide housing for 20 married couples. Married students may also find living accommodations in private homes or in apartments in Granville or Newark.

ACADEMIC STANDING

Denison is accredited by the North Central Association of Colleges and Secondary Schools as a degree-granting institution. It has been certified by the association since 1913, when it appeared on the association's first published list of degree-granting institutions. Denison is also recognized and approved by the Association of American Universities, the Ohio College Association, the Ohio State Department of Education, the American Association of University Women, the American Association of University Professors, and the American Chemical Society. The Denison Conservatory is a Liberal Arts College member of the National Association of Schools of Music.

CHRISTIAN EMPHASIS

Denison, by heritage and choice, is a Christian college maintaining and developing Christian principles and ideals. Students actively share the religious life of the campus through the chapel services and the several religious organizations on the campus. Academically, Denison provides religious instruction through the Department of Religion.

Of the religious organizations on the campus Deni-Sunday plays an important part in fostering Christian living. In Sunday morning meetings and in special programs, student problems and needs are discussed. In a community service program known as Deni-Service, students actively respond to community needs. In the Young Women's Christian Association women students have opportunities for Christian social service and for participation in monthly vesper services open to the public.

One week of the college calendar is designated Christian Emphasis Week. Special chapel programs, class discussions, addresses, and forums with guest speakers invite evaluation of the Christian way of life. The high point of the week is the communion service held in Swasey Chapel.

A chapel program is held once a week. The program usually follows the pattern of a worship service, and the speaker is often a
leader of national reputation. Occasionally a service of a musical nature is provided.

The Bonds of Friendship is an annual, campus-wide campaign to raise money for the World Student Service Fund; a scholarship fund for foreign students; and other philanthropies, including contributions to an equipment fund for Dr. Mary Kirby Berry of the Class of 1938, a medical missionary. At present, three foreign students are at Denison on the scholarship fund raised by the Bonds of Friendship.

**CULTURAL DEVELOPMENT**

Denison educates a student to lead an intelligent and rewarding life, a life in which culture assumes the importance it must assume if man is to be truly human. In the classroom the student receives a varied and valuable acquaintance with significant aspects of our American heritage and with current developments in our culture. In the extraclass program he has special opportunities to broaden that acquaintance and to pursue interests which will give him the rewards that intellectual living can give.

The William Howard Doane Library assumes great importance in the educational and cultural life at Denison. Rich in its resources of books, periodicals, pamphlets, government publications, microfilm, and recordings, the library is the workshop of the student. In order that it may truly be a workshop *both the reserve book section and the general book collection in the stacks are open to all students*. The educational philosophy at Denison is to have students use libraries and their resources effectively during and after the college years. Accordingly, the emphasis of the reference service and the formal instruction by the library staff (which begins with the freshman research paper) is on methods of finding information and investigating subjects. The carrels and seminar rooms offer special facilities for independent research and study.

That the library may be an educational and cultural instrument in the broadest sense, a student is encouraged to read beyond specific class assignments. The Browsing Room and the Denisoniana Room offer special opportunities for reading along lines of personal choice.

The enriching experiences offered by the fine arts are constantly available to Denison students. Art exhibits are on display at various times each year, and opportunity for the exhibition of student work is frequently arranged. An Art Treasure Collection is now being assembled, and valuable tapestries, paintings, vases, and other *objets d'art* are on display. The Denison Art Loan Collection makes available framed pictures, etchings, and prints by world-famous artists to students for use in their rooms for a semester at a time.
Dramatic productions of professional excellence are presented by the Denison University Theatre and by the Denison Summer Theatre. Some of the plays produced in recent years are *Peer Gynt*, *Androcles and the Lion*, *Much Ado About Nothing*, *I Remember Mama*, *The Time of Your Life*, and several original plays written by Denison students.

Intercollegiate debating is another of the cultural activities of long standing at Denison. In addition to the varsity debating teams for men, Denison also has intercollegiate forensics for women students and for freshmen.

Students and faculty members participate in a series of weekly programs from the campus studios, which channel the programs to WCLT at Newark, one of the radio stations affiliated with the Standard Network of Ohio.

Religious leaders of national importance are frequently heard in the weekly chapel programs, and outstanding leaders in the arts, the sciences, and social sciences are presented in the Denison Lecture series.

Opportunities to hear and to participate in the production of good music are provided by concerts by the Engwerson Choral Society; recitals by students, faculty, and guest artists; programs by the men's and women's glee clubs; special music at chapel services and academic functions by the A Cappella Choir; and programs by the Denison Orchestra and the Denison Band. Outstanding musicians of national reputation are brought to the campus in concerts arranged by the Granville Festival Association in cooperation with the college.

The Denison Scientific Association, established in 1887, issues the *Journal of the Scientific Laboratories* and meets bi-weekly for the presentation of scientific papers by faculty and students. The *Journal*, founded by Professor Clarence Luther Herrick in 1885, is internationally recognized.

The Denison Society of Arts and Letters provides an opportunity for the presentation of literary and cultural papers.

Departmental clubs for students exist in almost every field of study.

Students interested in writing, editing, or otherwise assisting in the production of a publication have the opportunity of working on the staffs of *The Denisonian*, the weekly newspaper; *Campus*, the quarterly magazine; and *The Adytum*, the yearbook.

The Denison University Research Foundation exists to foster and encourage constructive research in the arts and sciences. It was es-
established in 1942 by a gift from an anonymous donor. The Foundation awards Research Scholarships to outstanding men and women. The Foundation also sponsors prizes at Commencement for the best thesis submitted by a candidate for a degree with honors in each of the fields of the arts, sciences, and social studies.

THE DENISON FELLOWS

The Denison Fellows comprise an organization of alumni and friends of the University who agree to support Denison with an annual gift of not less than $100, and to whom the University in return offers a close relationship with Denison.

HEALTH

Denison recognizes its responsibility for the health and well being of its students by providing a complete medical service, adequate health instruction, and the efficient administration of dining halls and dormitories. The University physician, aided by three registered nurses, maintains in Whisler Memorial Hospital an up-to-date clinic where prompt medical attention is available. The physician may be consulted for examination and treatment at specified hours, and a trained nurse is on duty at all times.

That students may develop habits of good health, instruction in health is provided in the classroom and in the departments of physical education. Programs of study and training are designed to meet hygienic and recreational needs.

In administering the dormitories and dining halls, the University takes every safeguard to protect the health of its students. Trained dietitians supervise the choice of food, the preparation, and the serving.

ATHLETICS

In intercollegiate athletics Denison is a member of the Ohio Conference and its teams participate in football, basketball, baseball, track, tennis, and golf. The men's intramural program in several seasonal sports stresses skills and the competitive spirit, and is campus-wide in its scope. The women have an extensive intramural program and occasionally participate in intercollegiate contests.
STUDENT GOVERNMENT AND SOCIAL LIFE

Denison students have the unique opportunity of sharing membership on policy-making groups of the University's administrative bodies, such as the committees on admissions, curriculum, calendar, and others, in addition to operating their own student organizations with a great degree of freedom. The principal elective officers direct the activities of the Denison Campus Government Association and serve as the student representatives on the Student-Faculty Council. This council recommends to both the Student Senate and the Faculty improvements in the regulation of campus activities.

The Denison Campus Government Association functions through the Senate, the Women's Council, the Judicial Councils, and the Boards of Control of Debate, Dramatics, Music, Publications, Recreation, Religious Activities, and Women's Athletics.

In each college-operated dormitory, a House Council, made up of elected students, directs the social administration in cooperation with the head resident, who is a member of the University staff.

The social life of the campus centers in the Student Union which is the gathering place of the student body. Its recreation committee plans various special activities at the Union, including all-college dances, parties, and picnics.

The Interfraternity Council and the Panhellenic Council work cooperatively through the nine fraternities and the seven sororities in developing an adequate social program. Nearly all of these national Greek-letter organizations maintain chapter houses on or near the campus, generously sharing their facilities with the students, faculty, and townspeople.
EXPENSES

COST EACH SEMESTER

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition</td>
<td>$225</td>
</tr>
<tr>
<td>Incidental Fee</td>
<td>$37.50</td>
</tr>
<tr>
<td>Room</td>
<td>105*</td>
</tr>
<tr>
<td>Board</td>
<td>220</td>
</tr>
</tbody>
</table>

Changes in costs including tuition, fees, room, or board sometimes become necessary, in view of the economic uncertainty of the times. The University reserves the right to make such changes at the beginning of any semester by publication of the new rates for tuition and fees three months in advance, for board and room one month in advance of their effective date.

THE TUITION of $225 permits a student to take from nine to 17 semester-hours of credit. A fee of $14 is charged for each registered hour in excess of 17 hours. A part-time student carries fewer than nine semester-hours at the rate of $14 for each hour of credit.

THE INCIDENTAL FEE of $37.50 a semester covers a variety of services and entertainment. Among these are library, course, laboratory (except deposit for breakage), and health service fees. The health service includes hospital care up to three days a semester (exclusive of medical and surgical costs such as X-rays, services of special nurses, calls to a student's room, the supplying of unusual medicines, or the use of special appliances). *For hospitalization in excess of three days a charge of $7 a day is made.* The fee also supports the Denison Campus Government Association and certain other student organizations. Its payment admits the student to plays, concerts, lectures, intercollegiate athletic contests, and secures him a subscription to the weekly newspaper, the quarterly magazine, and the yearbook.

A part-time student must pay a $3 part-time incidental fee. If he desires hospital and student activity privileges, he must make the necessary arrangements with the Bursar.

*ROOM RENT for a single room ranges from $90 to $140 a semester. The usual charge is $105 a semester to each occupant of a room in a college residence hall. The price of suites in Shaw Hall is $125 a student, and in Talbot Hall $90 a student. Double rooms in auxiliary units are $65 a semester. No room is rented for a shorter period than one semester. The cost of any damage to the furniture or the room beyond ordinary wear will be assessed to the occupant.

*These rates become effective January 31, 1951.
MEALS are served in the college dining halls throughout the academic year except in vacations. The charge for board is $220 a semester.

BOOKS AND SUPPLIES cost approximately $30 to $40 a semester according to the courses the student chooses.

CONSERVATORY OF MUSIC FEES are required of a student taking private lessons in Voice, Organ, Piano, Violin, Violoncello, or Wind Instruments. On the basis of one private lesson a week including the necessary practice time, the charge is $15 a semester-hour. (If the total hours carried exceed 17 semester-hours, the student is subject to the fee for excess registration.)

A student paying regular tuition may attend classes in music without extra charge.

A non-collegiate student pays $32.50 a semester for one lesson a week and $60 for two lessons. He also pays 15 cents an hour for organ rental and 5 cents an hour for piano rental. If he takes courses other than private lessons, the student pays the part-time tuition fee of $14 a semester-hour of credit.

PAYMENT OF BILLS

BILLS ARE PAYABLE to Denison University at the Office of the Bursar. To help develop in the students a sense of responsibility and a greater appreciation of the educational opportunity, the University has a policy of collecting semester bills from the students rather than from their parents. Semester bills are due on Registration Day but may be paid in advance. All other bills are due within 10 days from the date presented and are subject to a service charge of $1 when overdue.

A student is ineligible to attend classes unless his bills are paid when due. A student will be denied an honorable dismissal, a transfer of credits, or a diploma until all college bills are paid in full. On request, receipted bills are issued when the statement is returned.

DEFERMENT of one-half of the net bill for the first semester is allowed until November 15, and for the second semester until April 10, providing the request is made to the Bursar on or before Registration Day.

CANCELLATION OF RESERVATIONS should be made prior to June 1 or December 15 for the succeeding semester in order to release dormitory space and to permit others to be admitted for registration. Both
the registration deposit of $25 and the room deposit of $25 made during the admissions procedure are refundable if the time limit is observed. A student involuntarily called to military service after June 1 or December 15 but prior to the beginning of the next semester shall receive a refund of these deposits.

A freshman man planning to reside elsewhere than in a college dormitory the succeeding year may, on the pre-registration form in the second semester, request the refund of his room deposit.

A woman or man living in a college residence hall in the senior year will have the refunds credited on the statement issued for the second semester's expenses.

A request to the Registrar for a transcript of credits shall not be regarded as a cancellation of a room reservation or considered a notice of withdrawal from the college unless accompanied by a specific statement to that effect.
SCHOLARSHIPS AND GRANTS-IN-AID

Denison University recognizes promise and intellectual attainment of its students by awarding a number of honor scholarships, special scholarships, and grants-in-aid. These awards vary in value and are available to a limited number of entering students, to a larger number of students in residence, and to a limited number of graduates. Application blanks for all competitive awards may be obtained by addressing the Secretary, Committee on Scholarships and Student Employment.

HONOR SCHOLARSHIPS

Honor Scholarships are awarded without application by the recipient except in the case of Denison Tuition Scholarships, which are competitive.

DENISON TUITION SCHOLARSHIPS. Denison Tuition Scholarships of $450 a year are awarded on a four-year full-tuition basis to high school seniors of high intellectual ability and strong moral character. They must possess qualities of leadership as shown by their activities in preparatory school, church, and neighborhood groups. Applicants are required to take the Scholastic Aptitude Test (verbal and mathematical) of the College Entrance Examination Board, together with its Achievement Test in English and in two additional fields of the candidate's choice. Applicants may take the January or March series, preferably the former. The candidates will be judged on the basis of the results of the tests and the accepted application for admission. Interviewing of applicants by college officials will be arranged either on the campus or in regional centers. The award is for four years providing the recipient maintains a 3.25 grade average. Probation for any cause automatically voids the scholarship and makes reapplication necessary when the probation is removed. Request to the Office of Admissions for application blank should be made prior to March 1.

THE DENISON UNIVERSITY RESEARCH FOUNDATION SCHOLARSHIPS

Denison University Research Foundation Scholarships varying from $100 to $500 are awarded annually near the close of the sophomore or junior year to men and women showing a genuine interest in research. Intellectual ability and qualities of leadership are taken into consideration in the selection of students for these awards which may be renewed annually for a period covering graduate study.

GRANVILLE CENTENNIAL SCHOLARSHIP

The Granville Centennial Scholarship is a four-year award amounting to $150 a year, renewable only if at least a 3.0 grade-
point average is maintained. A high ranking student in the graduating class of the Granville High School is selected by the University and the Superintendent of Schools in accordance with restrictions laid down by the Denison Board of Trustees. This scholarship was established in recognition of contributions made by residents of Granville to the Centennial Endowment Fund.

THE DENISON THEATRE ARTS FELLOWSHIP

The Denison Theatre Arts Fellowship, valued at $500, must be used to finance a trip to Hollywood, California, to study the motion picture industry, or to New York City to study the legitimate theatre. The award is made to the most promising junior majoring in the Department of Theatre Arts. The fellowship was established jointly by Joseph G. Nellis of the Class of 1930 and Fred Tuerk.

THE EBENEZER THRESHER FUND ($10,000)

The income from this sum is awarded to a freshman man of high scholastic rank who shows promise of usefulness and is of unquestionable moral character. Selection is made by the Faculty of the University. The award is made at the close of the first semester of the freshman year and is payable in four equal annual installments, providing a 3.25 grade average is maintained.

THE A. H. HEISEY COMPANY DESIGN IN GLASSWARE SCHOLARSHIP

A competitive award of $200 is made to a student in the Department of Art who presents the best design in glassware.

THE MARY HARTWELL CATHERWOOD SCHOLARSHIP FUND ($2,000)

The annual income from this sum is awarded upon the recommendation of the chairman of the Department of English to a junior or senior student planning a career in writing.

THE FRANCES WAYLAND SHEPARDSON SCHOLARSHIP FUND ($5,000)

The annual income from this sum is awarded to the student who has shown proficiency in courses in American History.

THE CORA WHITCOMB SHEPARDSON SCHOLARSHIP FUND ($5,000)

The income from this sum is awarded to students who have shown proficiency in courses in Art.

THE WILLIS A. AND FRANCES W. CHAMBERLIN SCHOLARSHIP ($1,000)

The income from this fund is to be used to aid students of high scholarship majoring in the Humanities.
THE DANIEL SHEPARDSON MEMORIAL SCHOLARSHIP FUND ($2,500)

The income from this sum is awarded to the junior woman showing promise of outstanding leadership in the field of religious activity. Selection is made by the alumnae group administering the fund.

THE JOHN L. GILPATRICK SCHOLARSHIP ($1,117)

This sum yields an income to be awarded annually to a member of the senior class recommended by the faculty of the Department of Mathematics for excellence in that subject.

THE LAURA F. PLATTS SCHOLARSHIP

This annual award of $50 is made to the senior woman who gives promise of service to mankind. Selection is based on her college record.

THE JULIET BARKER SARETT SCHOLARSHIP FUND ($10,000)

This sum yields an income to be awarded to students who have shown general excellence in their academic work, particularly in English and Theatre Arts. Four scholarships, two in each subject, are awarded at the end of the junior year upon recommendation by the chairman of the respective departments.

HONOR SCHOLARSHIPS IN MUSIC

THE ELIZA SMART SHEPARDSON SCHOLARSHIP FUND ($2,500)

The income from this sum is awarded to worthy students enrolled in the Conservatory of Music.

THE GERTRUDE CARHARTT BRELSFORD MEMORIAL FUND ($2,500)

The income from this sum is awarded to worthy students enrolled in the Conservatory of Music.

THE PRESSER MUSIC FOUNDATION SCHOLARSHIPS

The sum of $250 is made available annually by the Presser Music Foundation to students planning to make their living in music. Selection of the students is made on recommendation of the faculty of the Denison Conservatory of Music.

GRADUATE HONOR SCHOLARSHIPS

THE DENISON UNIVERSITY TUITION SCHOLARSHIP

The Denison University Tuition Scholarship is one of the Ohio College Tuition Scholarships established by the trustees of the Ohio State University and is open to graduates of Denison for one year. Nominations for this scholarship are made by the President and the Dean of the College.
RHODES SCHOLARSHIPS

The Cecil Rhodes Scholarships, tenable for three years at Oxford University, England, are open to men who have completed their sophomore year in an American college. These scholarships are made available annually on the combined basis of character, scholarship, athletics, and leadership in extracurricular activities. Men interested in competing for this national award should consult the Dean of the College.

SPECIAL SCHOLARSHIPS

THE BAPTIST SCHOLARSHIP FUND

Daughters and sons of Baptist ministers and missionaries receive a scholarship allowance of $50 a semester as long as a satisfactory scholastic average is maintained. This aid is given in recognition of Denison's heritage from the Baptist denomination throughout the entire history of the college.

THE LAVERNE NOYES SCHOLARSHIP FUND

Denison University shares in a sum varying according to the income from the LaVerne Noyes Estate. The scholarships are restricted to needy students who are children or blood descendants of those who served in the Army or the Navy of the United States in World War I.

GRANTS-IN-AID

GRANTS-IN-AID should be sought only by those who need help in meeting the expenses of their college education. A number of grants-in-aid which require the recipient to complete a work assignment are available. Certain work-exempt grants are designated for daughters and sons of faculty and employees, of Baptist ministers and missionaries, and for Baptist students preparing for the Christian ministry.

Grants-in-aid are awarded after a student has been admitted to Denison and remain in force for one year only, subject to renewal by special action of the Committee on Scholarships and Student Employment. (Renewals are announced on or about May 15.) The Committee may vary the amount of the grant as the need of the student fluctuates. The grant-in-aid normally is applied to the student's second semester bill for college expense. However, when the grant carries a work assignment the credit is tentative until the work assignment is completed.
An applicant for a grant-in-aid must show evidence of academic worth. He must remain in good standing for the duration of his grant, and if for any reason he is placed on probation, financial assistance may be withdrawn.

The proper form for application may be obtained from the Secretary, Committee on Scholarships and Student Employment.

GRANTS AND SCHOLARSHIPS FOR MEN AND WOMEN

**THE ELIZABETH S. EWART SCHOLARSHIP FUND** ($2,000)
**THE CHARLES T. LEWIS SCHOLARSHIP FUND** ($5,000)
**THE JOHN DOYLE SCHOLARSHIP FUND** ($2,500)
**THE WELLS A. AND CYNTHIA ALDRICH CHAMBERLAIN SCHOLARSHIP** ($5,000)
**THE G. A. GRISWOLD SCHOLARSHIP FUND** ($5,000)
**THE DANIEL VAN VOORHIS SCHOLARSHIP FUND** ($500)
**THE SAUNDERS SCHOLARSHIP FUND** ($2,000)
**THE AMANDA SPERRY SCHOLARSHIP FUND** ($1,000)
**THE HERBERT F. STILWELL SCHOLARSHIP FUND** ($30,000)
**THE SAMUEL B. BRIEGERLY SCHOLARSHIP FUND** ($101,210)
**THE CLASS OF 1913 SCHOLARSHIP FUND** ($1,000)
**THE CLASS OF 1917 WAR MEMORIAL SCHOLARSHIP FUND** ($3,414)
**THE GEORGE H. SHORELY SCHOLARSHIP FUND** ($7,500)
**THE CHARLES G. WATERS SCHOLARSHIP FUND** ($5,000)
**THE KATHERINE GEAR WIGHTMAN SCHOLARSHIP FUND** ($500)
**THE DAVID E. GREEN MEMORIAL SCHOLARSHIP FUND** ($3,337)
**THE MASUO S. AND KIYO A. HOSHIDE SCHOLARSHIP FUND** ($724)
**THE FREDERICK P. AND MARY T. BEAVER SCHOLARSHIP FUND** ($45,000)
**THE EDWARD TAYLOR CLISSOLD MEMORIAL SCHOLARSHIP FUND** ($2,000)
**THE DORA A. FORSYTHE SCHOLARSHIP FUND** ($9,738)
**THE BLANCHE LEMERT COPELAND SCHOLARSHIP FUND** ($2,500)
**THE LESLIE B. MOSS SCHOLARSHIP FUND** ($25,166)
**THE MORTAR BOARD SCHOLARSHIP FUND** ($566)
**THE CHARLES GARDNER WATERS AND CLARA FERRIS WATERS SCHOLARSHIP FUND** ($30,097)

GRANTS AND SCHOLARSHIPS FOR MEN

**THE DAVID AND JANE HARPSTER FUND** ($5,000)
**THE MARY ARNOLD STEVENS FUND** ($500)
**THE EUGENIA KINCAID LEONARD SCHOLARSHIP** ($1,000)
**THE A. F. AND A. A. BOSTWICK SCHOLARSHIP FUND** ($1,000)
**THE HARRY THURSTON CRANE SCHOLARSHIP FUND** ($5,000)
**THE MARIE THERESA BARNEY SCHOLARSHIP FUND** ($11,000)
GRANTS AND SCHOLARSHIPS FOR WOMEN

THE KING SCHOLARSHIP ENDOWMENT ($12,000)
The Martha A. Luse Scholarship Fund ($1,000)
The James McClurg Scholarship Fund ($1,000)
The Mary Miles Scholarship Fund ($8,282)
The Charles T. Chapin Scholarship Fund ($2,000)
The Lide-Shepardson-Marsh Scholarship Fund ($1,000)
The Flora Price Jones Scholarship Fund ($1,000)
The Agnes Wilson Weaver Scholarship Fund ($1,000)
The Harry Thurston Crane Scholarship Fund ($5,000)
The Hannah Snow Lewis Scholarship Fund ($16,000)

GRANTS AND SCHOLARSHIPS FOR PRE-MINISTERIAL STUDENTS

The Mary K. Monroe Fund ($30,000)
The M. E. Gray Fund ($5,000)
The David Thatcher Fund ($1,500)
The Joshua and Gwennie Jones Fund ($1,356)
The Abigail Pence Houck Fund ($31,717)
The William Howard Doane Scholarship Fund
The Welsh Hills Prices Scholarship Fund ($2,000)
The Charles Edwin Barker Scholarship Fund ($1,000)

FUNDS INCREASED OR ESTABLISHED

The following scholarship funds were increased since December, 1949:

THE SAMUEL B. BRIERLY SCHOLARSHIP FUND

This fund, increased by $18,600 to bring the total to $101,210 is a specially invested fund yielding an income annually to provide scholarships for needy and qualified students of Christian parentage and high moral character. This fund is contributed by two friends in memory of Samuel B. Brierly of the Class of 1875, founder of the Denison Alumnus and a long-time president of the Society of the Alumni.

MASUO S. AND KIYO A. HOSHIDE SCHOLARSHIP FUND

This scholarship, established by friends in memory of Masuo S. Hoshide of the Class of 1931 and his wife, was increased by $20 to bring the total to $724. The income of this fund is available to needy students.
THE CLASS OF 1917 WAR MEMORIAL SCHOLARSHIP FUND

This fund established by the Class of 1917 as a memorial to its six members who gave their lives in service to their country during World War I was increased by $20 to bring the total to $3,414.

1949:

The following scholarships were established since December, 1949:

THE LESLIE B. MOSS SCHOLARSHIP FUND

This fund of $25,166 was established by the bequest of Leslie B. Moss of the Class of 1911. The income only is to be used for deserving students of missionary or ministerial parents who maintain the best scholarship standards of the University (3.25 grade average).

THE MORTAR BOARD SCHOLARSHIP FUND

This fund of $566 was established by the active chapter of Mortar Board from the proceeds of the sale of Denison pictorial date books in 1948 and 1949. The income is to be added to the principal until it amounts to $600 and then is available for general scholarship purposes.

The following scholarship fund has been released from restrictions:

THE CHARLES GARDNER WATERS AND CLARA FERRIS WATERS SCHOLARSHIP FUND

This fund established by Charles G. Waters in 1937 and increased by a bequest of $19,938 from his estate the past year now totals $30,037. Beginning with 1950-51 the income from this fund is available to aid worthy students in need of help.

STUDENT EMPLOYMENT

In making student employment available to a limited number of worthy students who need to earn a part of their expenses in college, Denison University maintains a tradition established by its founding fathers. Application for student employment should be made to the Secretary, Committee on Scholarships and Student Employment. Work assignments are made through the Office of the Business Manager. An applicant must give evidence of ability to do work of value to the college, such as laboratory assistance, dormitory assistance, dining hall service, stenographic service, or labor on the campus. He must maintain the work assignment without jeopardizing his scholastic standing and must not be on probation for any reason.
LOAN FUNDS AVAILABLE

Loans are available to worthy students who have completed at least one semester of residence. A loan may be used only to defray expenses specifically pertaining to a college education. The applicant is required to furnish information regarding the purpose of the loan, any outstanding obligations to the college or to other sources, the amount of financial aid received from his parents or guardian, the total sum earned annually toward his college expenses, and the amount of life insurance carried. The promissory note must be made and co-signed by a parent or guardian, not by a fellow student or a faculty member. The application blank should be obtained from the Dean of Men or the Dean of Women.

Approximately $20,000 for student loans is available from the following established funds:

The Fletcher O. Marsh Fund
The Edward LeGrande Husted Fund
The Ida S. Fisher Loan Fund
The C. L. Williams Alumni Loan Fund
The Class of 1927 Loan Fund
The Asher King Mather Loan Fund
The Edward Gear Ewart Loan Fund
The Charles F. Burke Memorial Loan Fund
The W. C. Woodyard Loan Fund
The Burton Memorial Loan Fund
The Joseph M. and Amy W. Collins Loan Fund

ADDITIONAL SOURCES, such as foundations, fraternities, and sororities, make scholarship and loan funds available to Denison students. Information may be obtained by addressing the Bursar of the University or the Secretary of the Denison Board of Trustees, Granville, Ohio.
ACADEMIC HONORS AND PRIZES

GRADUATION WITH HONORS

Graduation with Honors is the distinction accorded a student who earns a superior rating on his honors project and in his comprehensive examinations. His diploma is inscribed with the words Graduation with Honors. (See Privileges Open to Superior Students under Plan of Study.)

DEAN'S LIST OF ANNUAL HONORS

A student earning a cumulative grade-point average that places him in the upper-fifth of his class (freshman, sophomore, junior, or senior), provided no grade in his year's record is below C, is placed on the Dean's List. Those attaining this honor are given public recognition at an annual convocation. Candidates for graduation who have qualified for the Dean's List throughout four years are given special recognition at Commencement.

HONORARY SOCIETIES

The Phi Beta Kappa Society, founded in 1776 to recognize and encourage scholarly pursuits, established the Theta of Ohio chapter at Denison in 1911. Annually new members are elected from students in the junior or senior classes ranking highest in scholarship.

The Phi Society, an organization for encouraging high scholarship among freshmen, was founded by the Theta of Ohio chapter of Phi Beta Kappa in 1926. A student is required to earn at least 112 grade-points during the freshman year to be considered for this honor.

Other honorary societies having chapters at Denison are Omicron Delta Kappa and Mortar Board, for leadership; Blue Key and Crossed Keys, for activities; Eta Sigma Phi, for classical languages; Tau Kappa Alpha, for forensics; Pi Delta Epsilon, for publications; Phi Mu Alpha and Delta Omicron, for music; Sigma Delta Pi, for the Spanish language; Psi Chi, for psychology; Orchesis, for interpretative dancing; Masquers and University Players, for dramatics; Pi Sigma Alpha, for political science; Pi Delta Phi, for the French language, and the "D" Association, for intercollegiate athletics.

PRIZES

Recognizing that true culture is largely the result of individual effort, Denison University offers a number of prizes to reward students for special excellence. Students are eligible to compete for the following prizes: (See also Honor Scholarships.)

THE LEWIS LITERARY PRIZE CONTEST

Four prizes, totaling $100, are awarded to the four men ranking the highest in the annual contest for excellence in public speaking.
The prizes were originally presented to the Franklin and Calliopean Literary Societies by Charles T. Lewis, former president of the Board of Trustees. They are now continued by his son, Howard Lewis of the Class of 1900.

THE SAMSON TALBOT BIBLE READING CONTEST
This is an endowed fund yielding a first prize of $25 and a second prize of $12.50 for the best reading of the Scriptures. It is open to seniors and juniors.

DENISON UNIVERSITY RESEARCH FOUNDATION PRIZES
The Research Foundation annually offers three prizes of $100 for the best thesis submitted by candidates for degrees with honors. One prize is awarded in each of the three fields, science, social studies, and the creative arts, providing a project of distinct merit is presented and providing the student has not been the recipient of another substantial prize in the same year. These awards are made by a committee of three in each field, the committees to be appointed annually by the chairman of the Denison University Research Foundation.

THE WOODLAND CHEMISTRY PRIZES
A first and second prize, amounting to $150 and $50, are awarded annually to two junior students in regular standing who prepare, under the direction of the chairman of the Department of Chemistry, the best thesis on some phase of chemistry in its relationship to industrial or everyday life. These prizes were established as a memorial to William Henry Woodland in a bequest by his son, J. Ernest Woodland of the Class of 1891.

THE FRESHMAN CHEMISTRY PRIZE
This medal is offered annually by the Denison Chemical Society to the student making the best record in Chemistry 111-112.

THE RAY SANFORD STOUT ENGLISH PRIZES
Two prizes, $20 and $10, are awarded for excellence in short story writing. Manuscripts should be submitted to the chairman of the Department of English. These awards were established by Henry S. Stout of the Class of 1915 in memory of his mother.

THE SENIOR RESEARCH PRIZE IN ECONOMICS
A prize of $50 is awarded annually to the student enrolled in Economics 414 who prepares, under the direction of the chairman of the department, the best original thesis dealing with a significant problem in economics. The papers are judged by persons outside of the department.

CHI OMEGA SOCIOLOGY PRIZE
A prize of $25 is awarded to the senior woman with the highest
scholastic standing in the Department of Sociology. The prize is
offered annually by the Delta Gamma chapter of Chi Omega.

THE ANNIE M. MacNEILL POETRY PRIZES
Two endowed prizes are awarded: (1) To the student with high
standing in English who is judged by the Department of English the
most proficient in the writing of poetry and (2) to the junior or
senior who ranks highest in the course devoted to the study of Rob-
ert Browning's poetry. An annual income from a fund of $1,000 is
used for each prize.

THE SIGMA DELTA PI MEDALS
Three official awards of the American Association of Teachers
of Spanish and Portuguese are offered by the Denison chapter of
Sigma Delta Pi: (1) To the two students making the best records in
Elementary Spanish, and (2) to the student making the best record
in Second-year Spanish.

THE LOUIS KUSSMAUL FRIENDSHIP AWARD
This prize of $50 is awarded annually to the student who has
contributed most to the friendly relations between the town and the
college. The selection is made by the President of the Greater Gran-
ville Association, Incorporated, and the President of Denison Uni-
versity. This award heretofore provided by an annual gift from
Harry W. Amos, Class of 1899, became an endowed fund of the
University on receipt of $1,800 from his estate during 1950.

THE EBAUGH AWARD
This award, to encourage post-graduate study, entitles the out-
standing senior majoring in chemistry to a membership in the
American Chemical Society. The award was established in memory
of William Clarence Ebaugh, a former professor, by a graduate of
the Department of Chemistry.

THE CLARA HUDSON KING MEMORIAL AWARD
This award is given to the outstanding senior majoring in the
Department of Art and is presented during the Annual Spring Art
Exhibit. The award was established by Horace King, professor of
Art, as a memorial to his mother.

THE CHARLES EDWARD SILBERNAGEL MEMORIAL PRIZE
This annual prize of $100 is awarded to the senior premedical
student who, in the judgment of the adviser to premedical students,
has shown the greatest aptitude in premedical subjects. The recipient
must have been admitted to the first year of a Class A Medical
School. The prize was established by Mrs. C. E. Silbernagel and her
son, Dr. Wynne Silbernagel of the Class of 1926, in memory of the
husband and father.
ADMISSION

Denison selects for admission those applicants who seem best qualified to contribute to the campus community and to benefit from the opportunities offered. As a means of choosing those who will contribute significantly to the education of others and make substantial personal growth, the Admissions Committee considers carefully the high school or preparatory school academic record (an applicant is expected to rank well in comparison with his classmates), aptitude test scores, required recommendations, school and community activities, and the applicant's personal statement.

For an evaluation of a prospective student, a personal interview is highly desirable. This interview may be held either at Denison or at a center near the applicant's home. Since Denison draws its students from many states, attention is given to the geographical distribution of its student body. An applicant's meeting the minimum requirements for entrance does not, in itself, assure admission.

ADMISSION OF FRESHMEN

A student who desires to enter Denison should submit the preliminary application attached as the last sheet of this catalog or the viewbook. Upon receipt of the preliminary application, the Admissions Office places the applicant on a mailing list to be sent a formal application during October of the year prior to entry. (If preliminary application is made after October of the year prior to entry, a formal application is sent immediately.) The first choices of the Admissions Committee are made by April 15 from those applications completed before March 1. An early date of application does not necessarily assure acceptance. Additional space for women is seldom available after March 1, and while space for men is usually available after that date, it is desirable that all students complete their applications for the consideration of the Admissions Committee by March 1.

The following minimum requirements must be met by every applicant:

SECONDARY SCHOOL CREDITS. Graduation and college certification from an accredited high school or preparatory school with at least 15 acceptable units are required. Although Denison does not require that the high school course submitted by the applicant shall follow a particular pattern, thorough preparation in certain types of subject matter provides a highly desirable background for college work. For this reason the student's program should include these courses:
English, four units; Mathematics, including algebra and plane geometry, two units; Foreign Language, two units in the same field; History, one unit; Laboratory Science, one unit. In addition, at least two of the remaining five units required for entrance should be in these or related fields.

**APTITUDE TEST SCORES.** A satisfactory score is required on one of these standard tests to be taken during the senior year: *(a)* Scholastic Aptitude Test of the College Entrance Board, *(b)* Psychological Examination (current college edition) of the American Council on Education, or *(c)* Ohio State Psychological Test (current edition). In some instances, designated achievement tests may also be required.

**OTHER REQUIREMENTS.** Other requirements for admission are contained in the formal application blank: *(a)* An Official Certificate of Secondary School Credits after completion of the seventh semester; *(b)* Personal Appraisals by the secondary school principal, headmaster, or guidance officer, and by the minister or other religious leader; *(c)* The Applicant's Listing of participation in school, church, and community activities, and *(d)* The Applicant's Statement of Purpose in attending college.

After the applicant has been accepted and prior to the opening of college (preferably in late summer), his physician must forward a Health Report on the form furnished by the college.

**FEES AND DEPOSITS.** An applicant must pay these fees and deposits: *(a)* A Non-refundable Fee of $5 to accompany the formal application; *(b)* A Registration Deposit of $26 payable as soon as a student is accepted for admission, and *(c)* A Room Reservation Deposit of $25, except veterans and men who enter as transfer students with sophomore, junior, or senior standing and who do not desire dormitory accommodations.

Both the registration deposit and the room reservation deposit are refundable until June 15 upon written withdrawal of the application addressed to the Admissions Office. An applicant accepted after June 15 may apply within two weeks for the refund of deposits under the foregoing provisions.

**ACCEPTANCE PROCEDURE**

Applicants are considered upon a basis of grades for seven semesters of secondary school work. First selections for both men and women will be announced by April 15, from applications which are completed by March 1. Waiting lists will be established at that time. A student whose application has been refused, although he meets the
minimum entrance requirements, will be considered for the following year, if he so desires, but only in competition with the applicants of that year.

ADMISSION TO ADVANCED STANDING

A student who is eligible for advanced standing should apply for admission prior to March 1. He must file the regular admission credentials listed under the requirements for freshman entrance, with the exception of a high school aptitude test. In addition, he must file a complete official transcript of his college record and a recommendation from a dean of the college last attended. He may be required to present satisfactory scores on the College Entrance Examination Board Intermediate Test for College Students. Consideration will be given only to an applicant who has maintained an average of at least 2.4 (C plus) of a possible 4.0 point-average in all previous college courses.

A transfer student, accepted for admission, will be allowed credit without examination for liberal arts subjects taken at a college accredited by the North Central Association of Colleges and Secondary Schools or an accrediting body of similar rank. Transfer students are required to earn at least a C average at Denison to qualify for the bachelor’s degree. Class standing is based on the number and quality of credits accepted, subject to revision after one semester in residence. Any of the requirements specified for graduation at Denison and not satisfactorily completed at the college previously attended must be taken during the first year in residence. A student admitted with advanced standing is expected to meet the entrance requirements and may become a candidate for a degree only after the completion of all specified requirements for graduation and at least one year in residence.

A graduate of an accredited junior college will be classified as a junior on admission, and will be required to earn at least 64 semester-hours of credit (a normal program for two years) at Denison in fulfilling graduation requirements. The number of transfer students admitted is limited by the dormitory and classroom space available.

A transfer student who wishes to enter Denison as a junior may be provisionally accepted during his sophomore year when his record for three semesters of college work is available. A transfer student who wishes to enter Denison as a sophomore will not be accepted until his complete first year record is available.
COUNSELING PROGRAM

Denison's counseling program is set up to help the student make the best possible adjustment to college life. In the classroom faculty members and students share the learning process in a way possible only in a small college. Outside the classroom every student has access to a complete counseling service.

COUNSELING STAFF

The counseling staff includes the deans, the director of vocational services, the university physician, specialists in family life, religion, and psychology, selected faculty counselors, the department chairmen, dormitory head residents, and student advisers.

Freshmen and sophomores are assigned to selected counselors, and upperclassmen to department chairmen. The faculty members who counsel freshmen and sophomores are chosen primarily because of their interest in personnel work. They meet regularly with the deans in a program of coordination and carry reduced teaching loads in order that students may feel free to consult them.

In the dormitories, freshmen find the friendly guidance of junior advisers helpful. Junior advisers, selected on a competitive basis, inform the freshmen regarding many phases of college life. The head resident in each dormitory also counsels with the students. Both the head residents and the junior advisers meet regularly with the Dean of Men and the Dean of Women for guidance and to discuss problems as they arise.

ORIENTATION OF FRESHMEN

The orientation of freshmen, begun during the week preceding registration, is continued throughout the year by the student and his advisers. The faculty counselor helps a student plan an academic program consistent with the aims and obligations of a liberal arts education, and a program which is in keeping with the student's abilities, aptitudes, and aspirations. A student regularly evaluates his college experience with his counselor. Various aptitude, achievement, and vocational interest tests, as well as the services of specialists, are used as they may be needed.
VOCATIONAL SERVICES

A guidance center for information, counseling, and the placement of students and alumni is closely coordinated with the various departments of the college. Its program helps the student to evaluate his own interests and potentialities; to learn the method of obtaining employment; and to secure a position which is consistent with his abilities and interests. Each year vocational conferences give students opportunities to discuss with leaders in the various professional and business fields the nature of the work, the aptitudes and training necessary to achieve success, and the occupational rewards.

DENISON BUSINESS COUNCIL

In order to relate the classroom program more closely to vocational performance, Denison has invited a number of outstanding businesses to affiliate themselves with the university as members of the Denison Business Council. Similar affiliations with other groups are planned. The Denison Business Council makes available to the students the advice of personnel and employment officers of the several companies and gives opportunity for students to compete for summer employment with one of the companies; this employment may, on mutual satisfaction, lead to permanent employment following graduation.

TEACHER PLACEMENT

The Department of Education maintains a separate appointment service to assist graduates in seeking first teaching positions and in transferring to better positions upon evidence of successful experience.

COUNSELING OF VETERANS

Veterans' counseling at Denison is approved by the Veterans' Administration for training given under Public Law 346, known as the G.I. Bill of Rights, and for veterans who are being rehabilitated under Public Law 16. All matters pertaining to veterans are handled by the Dean of Men.
REGISTRATION AND CLASSIFICATION
OF STUDENTS

Registration, the formal enrollment in the college, is an agree-
ment on the part of the student to abide by all college regulations.
The procedure includes (a) preparation of a detailed schedule of
courses, (b) deposit of a copy of the class schedule with the Regis-
trar, and (c) payment of the prescribed fees to the Bursar. Every
student must complete his registration at the time scheduled. Failure
to do so will be considered late registration, entailing payment of a
special fee of $5. No student will be admitted to any class later than
the second week of the semester.

During the orientation period a student entering Denison for the
first time is aided by his counselor in making out the detailed sched-
ule of courses to present to the Registrar.

NORMAL REGISTRATION is set at 16 semester-hours of credit. To reg-
ister for 16 or 17 semester-hours a student must be in good scholastic
standing. In addition, each student is expected to register for the
appropriate requirements in Physical Education. (See Plan of
Study.) The normal academic load enables a student to meet the
graduation requirements within eight semesters. A student who pays
regular tuition charges is permitted to audit, without additional cost,
one course for which no credit may be claimed.

REDUCED REGISTRATION is recommended for a student who for any
reason cannot carry a normal schedule satisfactorily. If reduced
registration is advisable, a student may be required to carry a sched-
ule of 12 to 14 hours of academic credit and be asked to devote an
extra semester to fulfill the graduation requirements. Without special
permission from the Dean of the College, 12 hours shall be minimum
registration for any regular student.

EXCESS REGISTRATION may be permitted to a superior student upon
petition to and approval by the Registration Committee. (The cost
is $14 a semester-hour in excess of 17 semester-hours.)
PARTIAL REGISTRATION enables a student, with the permission of the Dean of the College, to take fewer than nine academic hours a semester. (The cost is $14 a semester-hour.)

CHANGES IN REGISTRATION are not ordinarily permitted. If a change is made, a fee of $1 will be charged, unless remitted by the Registrar for satisfactory reason.

WITHDRAWAL FROM COURSES must be done by formal report to the Registrar signed by the student's adviser. A student who withdraws from a course without official permission will receive a grade of F (failure) on his permanent record. If a student receives permission to withdraw from a course before the end of the second week of classes, no grade will be entered on his record; thereafter the grade will be WP (withdrawn passing) if the student is doing passing work, or WF (withdrawn failing) if he is not doing passing work at the time of withdrawal. In calculating a student's grade-point average the Registrar shall count as F all WF grades entered after the end of the week in which the mid-semester grades are announced.

WITHDRAWAL FROM COLLEGE is official only upon written report to the Dean of Women or Dean of Men. This report must be signed by the student's parents or guardian. To receive an honorable dismissal a student who must leave before the close of the semester should consult the Dean of Women or the Dean of Men.

The college may, whenever in its judgment such action is for the best interest either of the student or of the student body, dismiss or refuse to enroll any student.

A student, including veterans enrolled under Public Law 16 or 346 (G.I. Bill), withdrawing from college for any reason will be charged 20 per cent of the tuition and incidental fee for each week enrolled, but the amount charged shall not exceed full tuition and incidental fee. A proportionate refund will be made on board, but no refund will be made on room rent. No courses are entered on the permanent record of a student who withdraws from college during a semester.

A student involuntarily entering military service shall be charged for board and room for the time enrolled. No charge for tuition shall be made unless credit for courses being taken is granted.

In the event of major illness or other emergency the student may petition the Executive Council for special consideration.
CLASSIFICATION

The classification of students is determined by the amount of academic credit earned. The following requirements must be met:

FRESHMAN STANDING: A student is classed as a freshman unless he is deficient in more than one unit of preparatory work.

SOPHOMORE STANDING: A student must have 26 semester-hours of credit including required courses in English and in Physical Education. (Any entrance deficiencies must have been removed.)

JUNIOR STANDING: A student must have 60 semester-hours of credit.

SENIOR STANDING: A student must have 94 semester-hours of credit.

ELIGIBILITY to represent the college officially is limited to regularly registered, full-time students. In his first semester a freshman shall present at least 15 units of preparatory work, 12 of which are academic units. A student previously registered in Denison shall have passed 12 semester-hours of credit and earned at least 20 quality points in the preceding semester. To participate in intercollegiate athletics a student also must have completed a year of residence.
Denison offers a plan of study which gives a student the general knowledge desired for intelligent living and the specialized knowledge needed for vocational achievement. This plan allows the student a wide range of choice under the guidance of faculty and administrative personnel. (See Counseling.) The degree earned may be Bachelor of Arts, Bachelor of Science, or Bachelor of Music.

**DEGREE IN ARTS OR SCIENCE**

The regular undergraduate plan of study, which extends through four academic years, leads to a bachelor's degree. Students who satisfy the following requirements will receive the degree of Bachelor of Arts, except that students who major in one of the natural sciences (Astronomy, Biological Sciences, Chemistry, Geography, Geology, Mathematics, Physics, or Psychology) may elect to receive the degree of Bachelor of Science. To obtain either of these degrees the student must satisfy the following conditions:

He must earn from 126 to 130 semester-hours of credit. This credit normally includes the Core Courses in General Education, the Field of Concentration, Physical Education, Chapel Attendance, and Electives.

His work must conform to certain scholastic requirements. These include a specified grade-point average in courses, the passing of a comprehensive examination in his field of concentration, and satis-
factory scores on the Graduate Record Examination. He must show proficiency in English.

Students who meet these requirements with outstanding records are eligible to become candidates for the degree of Bachelor of Arts with Honors or the degree of Bachelor of Science with Honors.

Detailed requirements in all of these areas are explained in the following sections:

**SPECIFIED REQUIREMENTS**

**CORE COURSES IN GENERAL EDUCATION** must be completed by all students as described in detail on pages 49-54. For upperclass students transferring to Denison the core course requirements will be adjusted. In some instances courses they have previously taken will be accepted as the equivalent of the Denison requirements.

**THE FIELD OF CONCENTRATION** enables the student to specialize in a particular field of learning either in one department or in a field which involves study in two or more departments. The student who concentrates (or majors) in one department must successfully complete from 24 to 36 semester-hours of work (A, B, or C grades) in the department chosen. If the student earns credit in a given department in excess of 36 semester-hours, the excess must be in addition to his normal graduation requirement. Exceptions in certain departments permit the major to earn more than 36 credits. (See explanations under Departmental Courses.)

For anyone who wishes to concentrate in a general field, rather than in one department, a minimum of 36 semester-hours (A, B, or C grades) shall be taken from two or three closely related departments, with not less than 15 semester-hours, ordinarily in sequence, in one of these departments. (See also the Transdepartmental Majors.) A student who wishes to avail himself of the privilege of concentrating in a general area must make his choice not later than the beginning of the junior year. Ordinarily the choice of a major in a single department is also made not later than the beginning of the junior year.

The chairman of the department concerned shall be the adviser of all students whose field of concentration is within one department. An appropriate faculty representative who will outline a suitable sequence of courses will be appointed for each student whose field of concentration crosses departmental lines. Such appointments will be made by the Dean of the College in consultation with the chairman of the departments concerned.
Each student is urged to make definite choice of a major field of concentration before entering the junior year. If a student decides to change his major during his junior year, he may be required to take an extra semester to meet graduation requirements. Any student who changes his major during his senior year will ordinarily be required to take at least one extra semester to meet graduation requirements.

**PHYSICAL EDUCATION** credit is required as follows: (a) for women: one credit each semester in the freshman and sophomore years (see pages 98-100); (b) for men: one credit each semester in the freshman year and, unless waived for proficiency, in the sophomore and junior years (see pages 96-97). A student who is excused for reasons of health must earn an equivalent amount of credit in other courses.

**CHAPEL ATTENDANCE** is recognized at the rate of one-half credit for each semester providing the record shows the student has been present for 75 per cent of the chapel programs. Students are expected to attend the chapel services. Anyone who fails to meet this requirement in any semester while enrolled at Denison must earn an equivalent amount of credit in elective courses.

**ELECTIVE COURSES** of study may complete the total number of semester-hours of credit to satisfy the graduation requirements. Both the student and his adviser shall strive constantly to choose the courses that will tend to develop a well-rounded and balanced personality. Lack of acquaintance with a subject or a field constitutes a strong reason for undertaking its study.

**SCHOLASTIC REQUIREMENTS**

**PROFICIENCY IN ENGLISH** is required for graduation. A student shown to be deficient in English composition (either by a grade lower than C in Core Course 10 a or in performance as reported by two or more members of the faculty) shall be referred to the Committee on English Usage and be notified that before graduation he must satisfy the committee that he has met the required standard.

**THE GRADE-POINT SYSTEM** in force at Denison follows:

- **A (Excellent)** yields 4 points for each semester-hour of credit.
- **B (Good)** yields 3 points for each semester-hour of credit.
- **C (Fair)** yields 2 points for each semester-hour of credit.
- **D (Passing)** yields 1 point for each semester-hour of credit.
F (Failure) indicates that no credit can be allowed for the course unless it has been repeated in class and completed satisfactorily.

I (Incomplete) means that the student has been allowed an extension of time, in no case later than the middle of the next semester in residence, in which to complete his course. This notation is entered only upon recommendation of the instructor with the approval of the Dean of the College. An Incomplete may be changed to one of the five grades listed above when reported by the instructor.

WP (Withdrawn Passing) or WF (Withdrawn Failing) will be entered when a student officially withdraws from a class. Neither is counted in computing a student's grade-point average except that WF counts as F under certain conditions. (See Registration.)

For graduation, a student must present 120 semester-hours of credit (plus a half-hour of credit, ordinarily earned in chapel attendance, for each semester he is enrolled at Denison, and the required credit in physical education.) This normally totals 126 to 130 semester-hours of credit. At Denison his cumulative grade-average must be at least C. This means that the student's entire cumulative record including courses passed, failed, repeated, or left incomplete, must show an average of at least two quality-points for each semester-hour of credit undertaken.

If his cumulative grade-average, as defined above, falls below C at the end of any semester, a student is placed on probation. However, he may enroll the following semester for a limited schedule as determined by the student's adviser with the approval of the Registration Committee. Unless he makes at least a C average during the semester of his probation, a student must withdraw from college and, even though he makes a C average during this semester, a student will remain on probation until his cumulative grade-point average is again at least C.

After the lapse of at least one semester, a student dropped for low scholastic standing may present to the Registration Committee a petition for re-admission. Favorable action by the committee can be expected only when the student presents evidence of having improved his scholastic standing during his absence.

THE GRADUATE RECORD EXAMINATION, as part of the series of nationally used achievement tests in General Education, is required of every student in both the sophomore and the senior year. The test scores, which are interpreted to the student, give valuable information as to his standing with reference to students in several hundred
colleges and universities throughout the country, and in comparison with his Denison classmates. They indicate the relative strength of his preparation, interests, and ability in the several areas of the curriculum. In this respect they are significant guides in a student's choice of major subject and subsequent career. The scores in the senior year are required for admission to most graduate and professional schools, and are increasingly requested by industrial and commercial firms considering students for employment.

A student whose scores on the Graduate Record Examination fall in the lower percentiles may expect his total record at Denison to be carefully considered. If serious general weakness is apparent, a sophomore may be denied junior standing in the subsequent year, a senior may be denied graduation.

Any student who fails to appear for the Graduate Record Examination, unless excused by reason of illness or other emergency, will be required to pay the fee and take the examination at another center. Failure to take the examination will result in a loss of credit for the semester in which the examination is offered.

THE COMPREHENSIVE EXAMINATION is used to measure the ability of a student to correlate his knowledge effectively. Toward the end of his senior year, the student shall take an examination covering his field of concentration to discover what he can do with the facts and principles he has acquired, and to test his ability to use this knowledge in new situations. At the discretion of the department or departments concerned, a part of the comprehensive examination may take the form of a recital, thesis, or project. The comprehensive examination must be passed in its entirety if the student is to be graduated.

The comprehensive examination will be arranged by the student's adviser in cooperation with the other members of the department. The comprehensive examinations of transdepartmental majors will be arranged by the student's adviser and such members of the departments involved as the Dean of the College in cooperation with the department chairmen shall designate.

COMBINED ARTS-PROFESSIONAL COURSES enable the Denison student to obtain a degree in absentia if he has good reason to shorten the normal time required for a professional degree. Under certain conditions Denison awards the bachelor's degree upon the successful completion of the first year in a recognized school of engineering, law, or medicine. To qualify for this privilege a student must successfully complete all the specified requirements for graduation at Denison with a total credit of 96 semester-hours at the graduating rate of at
least two points for each hour. He must also successfully complete all the specified requirements for admission to a school of engineering, law, or medicine acceptable to the Denison faculty.

On the basis of three years of work at Denison and two years at an approved college of engineering, the successful candidate will receive a bachelor's degree from Denison and a degree in engineering. Similarly, a student interested in law may earn a bachelor's degree from Denison and a degree in law in six years; in medicine in seven years.

A student should recognize, however, that under present conditions of admission to professional schools, particularly medical schools, a candidate who has earned a bachelor's degree has a decided advantage and that admission after only three years of undergraduate study is granted only to applicants of outstanding record.

A SECONDARY SCHOOL TEACHING CERTIFICATE is issued to any qualified student providing he meets the requirements for a degree including at least 15 semester-hours of credit in three teaching areas and 24 semester-hours of professional education including both General and Educational Psychology. For certification in special areas, such as Music, Physical Education, and Art, the student is advised to consult the chairman of the department concerned and the chairman of the department of Education. In certain cases the latter chairman may recommend a modification of the requirements in general education for a candidate for a teaching certificate.

PRIVILEGES OPEN TO SUPERIOR STUDENTS

A superior student is urged to make the most of the opportunities which Denison offers. A superior student is defined as one whose record during the three semesters preceding his application for Directed Study or Individual Work for Honors shows at least a 3.0 grade-point average with at least 3.4 in the Field of Concentration. In addition, on the Graduate Record Examination taken in the sophomore year, a superior student must have ranked in the upper quartile of his class on the objective test in his field of interest. The chairman of a department is privileged to recommend for Directed Study or Individual Work for Honors a student who has not met these requirements.

DIRECTED STUDY in the junior year is open in most fields of concentration to superior students. In order to engage in directed study, a student must apply to his instructor for permission to pursue a sub-
ject of particular interest not already treated extensively in a regular course. On written approval of the instructor and the Dean of the College the student may register for from three to six hours of credit.

GRADUATION WITH HONORS is available to any senior who fulfills certain requirements. When recommended by his academic adviser and approved by the Curriculum Committee the student may investigate a selected topic of particular interest in his field of concentration. If his work is of high quality, he will be granted six credits. Application for graduation with honors should be made to the Dean of the College.

WASHINGTON SEMESTER PLAN is a means of introducing superior students from a limited number of colleges to the source materials and governmental institutions. An agreement for this purpose now exists between Denison and the American University in Washington, D.C. Under this plan select students from Denison spend the first semester of their junior year (or other semester by special arrangement) at the School of Social Sciences and Public Affairs of the American University, receiving credit toward a degree from Denison.

This study includes three regular courses at the School of Social Sciences and Public Affairs of the American University, a seminar, and a directed, independent investigation on a subject of particular interest to the student. Under inter-institutional contract those participating in this plan continue to pay their tuition and room rent at Denison. While in Washington they meet their expenses for travel, meals, and incidentals directly. Application for the Washington Semester should be made to the Dean of the College.

MERRILL-PALMER SCHOOL, Detroit, Michigan, offers an opportunity for a limited number of superior Denison students interested in work with young children to take the first semester of the senior year in residence there. Application should be made to the chairman of the department in which the student is majoring or to the Dean of the College.

DEGREES IN MUSIC

BACHELOR OF MUSIC

The regular undergraduate plan of study extending through four academic years leads to the Bachelor of Music degree if the student satisfies the following requirements:

SPECIFIED REQUIREMENTS include English and Physical Education (see page 40).
FIELD OF CONCENTRATION requires 30 semester-hours of credit of all students in Fundamental Musicianship, Harmony, Advanced Musicianship, History of Music, and Form and Analysis. (See pages 91-93).

MAJOR IN MUSIC EDUCATION requires (in addition to English, Physical Education, and the 30 semester-hours in the Field of Concentration), the following:

1. Ten semester-hours in Conducting, Orchestration, classes in Instruments, or Ensemble Music. (Education 214 may be included here.)

2. Twenty-four hours in Applied Music, which may include classes in Instruments, and Ensemble Music, provided these are not used to satisfy (1) above. (See Music Curriculum.)

3. A minimum of 24 hours in Education and Psychology as follows:
   a. Education 211, 321, 412, and Psychology 211 for a total of 12 hours;
   b. Music Education courses 214, 315, 316, and 413 for a minimum of 6 hours;
   c. Education 415-416 (Student Teaching), 6 hours.

4. Electives in other academic subjects of 26 hours to complete the required total of 126-130 semester-hours. (See Chapel Attendance.)

MAJOR IN APPLIED MUSIC requires (in addition to English, Physical Education, and the 30 semester-hours in the Field of Concentration), the following:

1. Ten semester-hours of Counterpoint, Composition, or additional music courses.

2. Forty-eight hours in Applied Music. (See Music Curriculum.)

3. Electives in other academic subjects of 26 hours to complete the required total of 126-130 semester-hours. (See Chapel Attendance.)

Core course requirements are waived because of the greater concentration in music; however, the student is advised to distribute his electives among the general education courses. (See page 49.)
BACHELOR OF ARTS WITH MUSIC MAJOR

REQUIRED COURSES for a Bachelor of Arts degree with a Music major include Music 111-112, 121-122, 201, 202, 211-212, 221-222, 311-312, and 12 semester-hours in Applied Music. A student may complete the requirements for the degree from other academic departments.

A student planning to teach in the public schools is required to take Music 304 and may include Instrumental class instruction in the subject he plans to teach. Courses in Education and in Methods are considered academic subjects in computing total semester-hours of credit.

DIPLOMA IN PERFORMANCE

A DIPLOMA IN APPLIED MUSIC is granted to the student who fulfills the requirements as outlined for a degree in music and upon recommendation of the Conservatory of Music faculty presents a public recital in his senior year.
Denison expects a student to achieve the specialization needed for success in his chosen vocation, and to acquire the general knowledge common to all well-educated persons. To these ends, a student is required to concentrate in one or more fields of learning (the more specialized courses are described below under the department in which they are offered) and to comply with the following core course requirements in general education:

**CORE COURSES IN GENERAL EDUCATION**

Every well-educated person needs certain skills and an understanding of the ideas, principles, and methods which are commonly used in the chief areas of modern knowledge. In recognition of this fact, many colleges in recent years have instituted a program of general education. These courses are often referred to as Core Courses because they represent the common core of the curriculum which is required of every student regardless of his field of specialization. They are required in order that he may more intelligently assume his responsibilities as a citizen.

A number of the following Core Courses in General Education continue, with slight modification, courses which have long been offered in every college of liberal arts. Others cross traditional departmental lines to investigate broad areas of knowledge. All of them
are designed to contribute to an understanding and appreciation of life. They aim to provide the student with the skills, understanding, and sense of values necessary for intelligent living.

When a student demonstrates by examination that he is proficient in the subject matter of any of the courses in general education, he will be excused by the course director from taking that course.

A student majoring in any of the fields included in the core courses in general education may, at the discretion of his department chairman, substitute certain introductory courses in related fields. Exceptions are indicated in the course descriptions below.

In a core course which extends through two semesters, the student is expected to earn credit in the normal sequence. Credit for the first semester will be withheld until the second semester is satisfactorily completed.

Hyphenated courses are year courses; credit indicates amount to be earned each semester.

HEALTH AND PHYSICAL EDUCATION

HEALTH EDUCATION 1-2

Personal and community hygiene integrated with Physical Education 111-112. (To be taken in the freshman year.)

COMPOSITION

INTRODUCTION TO COMPOSITION AND LITERATURE 11-12 Miss Shannon, Director; Staff, 3

This course offers a review of the principles of rhetoric and the standards of usage; training in the organization of ideas and in methods of research; practice in various kinds of writing; and analytical reading of the major types of literature, ancient and modern. (To be taken in the freshman year, both semesters.)

ORAL COMPOSITION 10 b or 10 c or 10 d Each 3

In this division, a student may choose one of the three courses. Any student with a serious speech defect requiring special treatment will be given an added hour of remedial work each week to be taken concurrently with the three-hour course. As an alternative he may choose to earn credit in a course in corrective speech prior to enrollment in oral composition. (To be taken in the freshman, sophomore, or junior year, either semester.)
10 b (ELEMENTS OF SPEECH) Mr. Crocker, Acting Director; Mr. Robbins. 3
Introduction to the fields of speech activity: interpretation, debating, public speaking, acting. Students will be expected to allow 15 minutes a week for personal conference.

10 c (ORAL READING) Mr. Crocker, Acting Director. 3
A course designed to aid in the development of adequate intellectual and emotional response to the meaning of the printed page. Not open for credit to students receiving credit in 10 d.

10 d (DRAMATIC INTERPRETATION) Mr. Wright, Acting Director; Staff. 3
Intensive work on voice and diction; dramatic interpretation of the best literature in essays, narratives (stories and dialects), dramas, and poetry. Not open for credit to students receiving credit in 10 c.

HISTORY OF CIVILIZATION

HISTORY OF CIVILIZATION 21-22 Mr. Southgate, Director; Staff. 4
An investigation of the origins and development of Western culture and institutions. (To be taken in the freshman or sophomore year.)

FORMS OF FINE ARTS

FORMS OF FINE ARTS 31-32-33 Mr. Eshman, Director; Mr. H. King, Mr. Wright. 2
A course in the introduction to the forms of the fine arts (Art, Music, Theatre Arts). The department chairman concerned may waive the requirement for a student who, by examination, demonstrates proficiency in one or more of these areas. (To be taken in the freshman, sophomore, or junior year for three semesters, 2 credits each.)

FORMS OF THINKING

MATHEMATICS 40 a Mr. Rupp, Director; Staff. 4
A course in which basic concepts in algebra, trigonometry, analytic geometry, and the calculus are introduced. Students who excel in mathematics and those who plan to major in this subject, or in a field related to it, should substitute for this course the five-credit
course, Mathematics 121. (To be taken in the freshman or sophomore year, either semester.)

or

REFLECTIVE THINKING 40 b Mr. Hepp, Director. 4

The principles and problems of clear and accurate thought, including analysis of meaning, logical structure, and factual inquiry, with emphasis on scientific thinking. (To be taken in the freshman or sophomore year, either semester.)

(The student who completes courses 51-52 and 53-54 is not required to take either course 40 a or 40 b.)

PRINCIPLES OF SCIENCE

PRINCIPLES OF ORGANIC BEHAVIOR 51-52 Mr. Archibald, Director. 4

A course involving laboratory experience and demonstrations of the chief principles of organic development and behavior, sub-human and human, with emphasis upon scientific method and effective living. (To be taken in either the freshman or sophomore year.) Five lecture-laboratory sessions each week.

or

PRINCIPLES OF PHYSICAL SCIENCE 53-54 Mr. Collins, Director. 4

A course involving laboratory experience and demonstrations in mathematics, physics, astronomy, geology, and chemistry. Students who expect to major in a physical science may, by arrangement with the director of the course and the department chairman concerned, take this course for reduced credit. These students must, however, pass the examination on the entire course. Three lectures and one laboratory session each week. (To be taken in either freshman or sophomore year.)

LANGUAGE AND LITERATURE

LANGUAGE AND LITERATURE 6-14

To complete this requirement a student may elect courses for which he is qualified in either foreign language or literature in English. (To be taken in any year.)

FOREIGN LANGUAGE. A student who takes this option must demonstrate before graduation an ability to read one of the following: French, German, Greek, Italian, Latin, Portuguese, or Spanish. The
ability to read a foreign language is defined as the ability to pronounce intelligibly and to translate several passages of moderately difficult prose into good English at sight. This degree of proficiency will ordinarily be acquired by a student who has had three or four years of one language in a secondary school or two years in college. All students with language training are encouraged to take a test for proficiency. Achievement tests are regularly given at the opening of college in the fall and at the end of each semester. A student who has studied a foreign language for two years in secondary school or in the freshman college year may satisfy the requirement by taking a six-credit second-year course and passing the course examination.

LITERATURE IN ENGLISH. A student who elects to meet this requirement must enroll in English Literature 211-212 or American Literature 231-232 for six credits each, and three additional hours of English or American literature or a foreign literature course studied in English translation. A student who shows proficiency in the subject matter of the courses in English or American literature by passing an examination administered by the Department of English may thus satisfy this requirement.

MODERN SOCIAL AND ECONOMIC PRINCIPLES

MODERN SOCIAL AND ECONOMIC PRINCIPLES 71-72 Mr. Duffy, Director. 3

A study of the principles of modern economics and sociology; of their relationship to other fields of study. The course includes a workshop investigation and analysis of contemporary cultural, political, social, and economic issues, with an introduction to scientific method in the field of human relations. (To be taken in the sophomore or junior year, both semesters.)

BASIC PHILOSOPHIC AND RELIGIOUS IDEAS

BASIC PHILOSOPHIC AND RELIGIOUS IDEAS 81-82 Mr. Holloway, Director. 2

A study of basic ideas and ideals in contemporary civilization, with emphasis on our cultural heritage and the necessity for an adequate philosophy of life. (To be taken in either the junior or senior year, both semesters, with all other core course requirements as prerequisites.)
SUMMARY OF CORE COURSE REQUIREMENTS

Freshman Year

11-12 Introduction to Composition and Literature

Freshman or Sophomore Year

21-22 History of Civilization

Choices:

40 a Mathematics or 40 b Reflective Thinking
51-52 Principles of Organic Behavior or 53-54 Principles of Physical Science

Freshman, Sophomore, or Junior Year (either semester)

Forms of Fine Arts (to be taken in three consecutive semesters)

31 Art; 32 Music; 33 Theatre Arts

Oral Composition

Choices:

10 b Elements of Speech; or 10 c Oral Reading; or 10 d Dramatic Interpretation

Sophomore or Junior Year

71-72 Modern Social and Economic Principles

Junior or Senior Year

81-82 Basic Philosophic and Religious Ideas

In Any Year

6 to 14 hours of Foreign Language (the number of hours depending on previous preparation)

or

Sophomore, Junior, or Senior Year

211-212 English Literature or 231-232 American Literature and three additional hours of Literature in the English language, including advanced courses in English or Greek Drama or Greek or Latin Literature.
DEPARTMENTAL COURSES

COURSE NUMBERS. Departments of instruction are presented in alphabetical order. Courses offered are listed with the descriptive title and semester-hours of credit. Courses numbered 100-199 are intended primarily for freshmen; 200-299, for sophomores; 300-399, for juniors; and 400-499, for seniors. Odd-numbered courses are given in the first semester and the even-numbered ones in the second semester unless otherwise indicated. Hyphenated courses are year courses; credit indicates amount to be earned each semester.

COURSES OFFERED. The University plans to offer the courses listed below but reserves the right in any year to withdraw those of interest to only a few students.

KINDS OF MAJORS. Some courses involve a study of subjects relating to more than one department. These are listed below as transdepartmental courses. Transdepartmental majors are also offered and differ from Departmental majors in that the field of concentration involves courses from more than one department. Transdepartmental majors described below require the study of related subjects in several departments. Arrangements for additional transdepartmental majors may be made with the Dean of the College. Requirements for a major in a single department are stated under each department in the following pages.

TRANSDEPARTMENTAL MAJORS

MAJOR IN CITIZENSHIP. The major in Citizenship is designed to give a student an understanding of the social studies basic for intelligent citizenship, or for graduate work in applied social science, or for the study of theology. Approximately 60 semester-hours in a sequence of related courses in the social studies are required in one of two sequences:

Sequence I is a social studies major designed to give the student a basic knowledge of human relationships as a background for graduate study in preparation for the ministry, or in a school of social work. (Adviser: Mr. Duffy.)

Sequence II is a social studies major designed to prepare the student for family life and community leadership, or for graduate study in a school of social work. (Adviser: Mrs. Vreeland.)

Both sequences involve courses in the Departments of Economics, Government, History, Philosophy, Psychology, and Sociology, and the transdepartmental course in Great Issues in American Democracy. The second sequence also includes courses in Family Life.
MAJOR IN PERSONNEL ADMINISTRATION. The major in Personnel Administration is designed to provide training in personnel management methods in business and industry. The course sequence consists of Personnel and Industrial Psychology, group discussion conferences with personnel experts, and field studies in personnel departments of various cooperating organizations. Related studies include courses offered in the Departments of Psychology, Economics, Mathematics, Sociology, and Speech. (Adviser: Mr. Clark.)

MAJOR IN THE AREA STUDIES: THE AMERICAS, FRANCE or GERMANY

The major in one of the above areas is offered to any qualified student. It coordinates courses dealing with foreign countries, regions, and civilizations in various departments of the university. The subjects taken by the area major are chosen from Modern Languages, Geography, History, Government, Economics, Philosophy, Sociology, and English. The major provides the background necessary for students who are planning to enter foreign service, business enterprises dealing with foreign countries, teaching, journalism, international relations work or related activities. Students interested in any of the area study programs should see Mr. Secor who will assign the student his adviser for the area study.

TRANSDEPARTMENTAL COURSES

BIOGRAPHY 201

The study of a select list of great personalities representing different periods, countries, and careers.

CRITICAL ISSUES FACING AMERICAN DEMOCRACY 300

A study of some of the issues which must be resolved if America is to maintain and develop her democratic heritage. Lectures and discussions by professors of Economics, Government, History, Philosophy, Sociology, and Religion. Open to juniors and seniors.

ART

Mr. Horace King, Chairman; Miss Lee, Miss Fleck

The courses are arranged in sequences to meet the needs of students interested in studio work and those desirous of specializing in non-studio courses, such as art criticism and history of art.
MAJOR IN ART

An Art major who expects to begin preparation for the professional fields of design, painting, advertising art, industrial design, architecture, teaching and museum work, should begin with the elementary courses 101 and 111-112, then confer with the staff for a proper sequence of courses in advanced study.

Requirements for all Art majors includes 101, 111-112, 113-114, 205-206, and 211-212 or a choice of either 213-214 or 215-216.

Core Course 31-32-33 serves as an introduction to art appreciation but does not count toward a major in Art.

101-102. ART THEORY Mr. King, Miss Lee. 1
   General course in art structure and terminology designed to acquaint the student with professional opportunities in Art and to integrate the several courses. May be taken with 111-112 and 113-114.

103-104. ELEMENTS OF ART Mr. King, Miss Fleck. 2
   Studio course for those wishing some experience in practice but not choosing to major in Art.

106. ART CRITICISM Mr. King. 2
   Brief survey of criticism followed by practical problems in writing critical analyses of selected art forms.

111-112. DRAWING Miss Lee. 2
   Studio course in freehand drawing; still life, figure, and landscape. May be taken with 101-102 and 113-114.

113-114. DESIGN Miss Lee. 2
   Studio course in theory and application of design with practice in black and white and color, using line, plane, and volume as design problems. May be taken with 101-102 and 111-112.

121. FIELD TRIP Mr. King and Staff. 2
   Spring vacation field trip to metropolitan museums, galleries, and other art centers, preceded by study of collections and followed by written reports. Consent of instructor.

150. HOMEPLANNING Mr. King. 2
   Illustrated lectures covering problems of planning and equipping the home.
205-206. HISTORY OF ART
Staff. 3
General survey of the Arts of the Western World. Primitive, Ancient, and Medieval (first semester); Renaissance, Baroque, and Modern (second semester).

211-212. ADVANCED ART PROBLEMS
Mr. King. 2
Studio practice in advanced perspective, construction drawing, and form problems in three dimensions. Prerequisite: 111-112.

213-214. WATER COLOR PAINTING
Miss Lee. 2
Prerequisites: 112 and 114.

215-216. OIL PAINTING
Miss Lee. 2
Prerequisites: 112 and 114.

221-222. TECHNICAL PROBLEMS
Mr. King, Miss Lee. 2
Choice of an individual problem from the following: Sculpture, industrial design, painting, photography, and commercial art (first semester). Continuation of the study or selection of another problem (second semester). Prerequisites: 112 and 114.

305. HISTORY OF CLASSIC ART
Mr. Dean. 3
Prerequisite: 205 or consent of instructor.

306. HISTORY OF MEDIEVAL ART
Mr. Dean. 3
Prerequisite: 205 or consent of instructor.

313-314. INTERMEDIATE WATER COLOR
Miss Lee. 2
Prerequisite: 214.

315-316. INTERMEDIATE OIL PAINTING
Miss Lee. 2
Prerequisite: 216.

321-322. INTERMEDIATE TECHNICAL PROBLEMS
Mr. King, Miss Lee. 2
Prerequisite: 222.

361-362. DIRECTED STUDY IN ART
Staff. 3

405. RENAISSANCE ART
Mr. Dean. 3
Prerequisite: 206 or consent of instructor.

407-408. MODERN ART HISTORY
Miss Lee. 2
19th Century background: Classicism and Romanticism in architecture, sculpture, and painting; Idealism, Objective and Romantic Realism, and Impressionism in painting, (first semester). 20th Cen-
tury, beginning with Post-Impressionism in painting, continuing with the study of other schools in painting and sculpture plus the foundations of contemporary architecture (second semester). Offered as a year course but credit may be earned for either semester. Prerequisite: 206 or consent of instructor.

413-414. ADVANCED WATER COLOR  
Miss Lee. 2
Prerequisite: 314.

415-416. ADVANCED OIL PAINTING  
Miss Lee. 2
Prerequisite: 316.

421-422. ADVANCED TECHNICAL PROBLEMS  
Mr. King, Miss Lee. 2
Prerequisite: 322.

425-426. ART IN AMERICA  
Mr. King. 2
A study of American art from Colonial times to the present with particular emphasis upon America’s 20th Century contribution to world art. Prerequisite: 206 or consent of instructor.

461-462. INDIVIDUAL WORK FOR HONORS  
Staff. 3
THE TEACHING OF PUBLIC SCHOOL ART (See Education 341.)

ASTRONOMY

Mr. Smith, Acting Chairman; Mr. Wheeler

Astronomy 111 and 112 are intended primarily for those who desire an elementary acquaintance with the physical universe. Those who wish a 4-hour laboratory course may elect 113 and 114 in combination with 111 and 112.

MAJOR IN ASTRONOMY

Requirements for a major in Astronomy are 24 semester-hours of credit in the courses in Astronomy in addition to The Calculus and Physics 111, 112, 211, 212, and six hours chosen from 311, 312, 313, 314, 333, 334, and 344.

111. DESCRIPTIVE ASTRONOMY  
Mr. Wheeler. 3
Celestial sphere: coordinate systems and constellation study; the solar system—motions of the earth and moon; latitude, longi-
tude, and time; planets, comets, and meteors. 113 is recommended as an accompanying course. *No previous training in Physics or College Mathematics is required.*

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Instructor</th>
<th>Credits</th>
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<tbody>
<tr>
<td>112.</td>
<td>DESCRIPTIVE ASTRONOMY</td>
<td>Mr. Wheeler</td>
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<td></td>
<td>The Galactic System—the sun as a star; distances, motions, luminosities, types and classes of stars, and their spectra; extragalactic systems. Prerequisite: 111 or consent of instructor.</td>
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<td>113.</td>
<td>LABORATORY ASTRONOMY</td>
<td>Mr. Wheeler</td>
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<td></td>
<td>Devoted principally to problems intended to clarify the lecture material of Astronomy 111. May be taken only in combination with 111. (Evening to be arranged.)</td>
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<tr>
<td>114.</td>
<td>LABORATORY ASTRONOMY</td>
<td>Mr. Wheeler</td>
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<td></td>
<td>Continuation of 113, paralleling 112. (Evening to be arranged.)</td>
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<td>211-212.</td>
<td>PRACTICAL ASTRONOMY</td>
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<td></td>
<td>Prerequisite: 111, 112.</td>
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<tr>
<td>215.</td>
<td>STELLAR ASTRONOMY</td>
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<td></td>
<td>Prerequisite: 111, 112, and consent of instructor.</td>
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<tr>
<td>218.</td>
<td>THEORY AND PRACTICE OF OBSERVATION</td>
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<td>Arr.</td>
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<td></td>
<td>Prerequisite: 113, 114, and consent of instructor.</td>
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<tr>
<td>221-222.</td>
<td>SEMINAR</td>
<td></td>
<td>Arr.</td>
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<td></td>
<td>Consent of instructor.</td>
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<tr>
<td>411.</td>
<td>CELESTIAL MECHANICS</td>
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<td></td>
<td>Prerequisite: The Calculus.</td>
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<tr>
<td>414.</td>
<td>ASTROPHYSICS</td>
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<td>3</td>
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<td></td>
<td>Consent of instructor.</td>
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**BIOLOGICAL SCIENCES**

Mr. Lindsey, Chairman; Mr. Morgan, Mr. Truman, Mr. Norris

Courses 111-112, 115-116, 201-202, and 225-226 offer subject matter of general interest. While 111-112 meets the minimum entrance requirement of medical schools, 211, 212, and 224 are recommended or required by some. Medical schools require a medical admission
test in the student's final undergraduate year, for which the fee of $10 is payable to the testing organization. Core Course 51-52 is accepted as a prerequisite for advanced courses in place of 111-112.

MAJOR IN BIOLOGY

A major must include 111-112 or an acceptable equivalent, with advanced courses related to the student's principal interest. The sequence is arranged in consultation with the staff member with whom the student chooses to do his advanced work, or with the chairman of the department. A major for premedical students usually includes 111-112, 211-212, and 223-224.

111-112. INTRODUCTORY BIOLOGY
   General biological principles and animal life, with a limited amount of plant study.

113-114. FIELD BIOLOGY
   Local plants and animals based chiefly on the material collected by the student.

115-116. GENERAL BOTANY
   A consideration of fundamental biological principles as expressed in the structure and activities of plants, including reproduction and inheritance, identification of common trees and weeds, and a survey of the great plant groups.

120. LOCAL FLORA
   Taxonomic study of the plants of the region including the spring flowering species and the common trees in winter and summer condition.

201-202. ANATOMY AND PHYSIOLOGY
   The normal structure and functions of the human body.

211. COMPARATIVE ANATOMY
   A study of the phylum Chordata based chiefly on anatomical relations with brief consideration of classification and habits. Laboratory work is chiefly detailed dissection and comparative study of the primitive chordates, the shark, Necturus, and the cat. Prerequisite: 111-112.

212. MAMMALIAN ANATOMY
   Anatomy of mammals based on the cat, with human material for comparison. This course usually follows 211 but may be taken separately. Prerequisite: 111-112.
215. BACTERIOLOGY

Introductory course emphasizing the practical work of the laboratory in culturing and identifying micro-organisms. Prerequisite: 111-112, 115-116, or chemistry major.

216. DETERMINATIVE BACTERIOLOGY

Laboratory practice in the preparation of special bacteriological media, stains and reagents and their use in the identification of unknowns. Prerequisite: 215 and consent of instructor.

218. PLANT MORPHOLOGY

Comparative study of the structure and life cycles of the major plant groups with reference to their evolutionary relationships.

221-222. PARASITOLOGY

A study of the common parasites of animals with special emphasis on those affecting man. Prerequisite: 111-112.

223. HISTOLOGY

The minute anatomy of vertebrates, chiefly mammals, including the making of microscopic preparations. Prerequisite: 111-112.

224. EMBRYOLOGY

The development of the vertebrate body, based on the study of the frog, chick, and pig. Usually follows 223 but may be taken separately. Prerequisite: 111-112.

225-226. EVOLUTION AND GENETICS

The relation of living things, including the origin of existing organisms, theories of organic evolution, and the processes of heredity. Credit is withheld unless both semesters are completed. Upperclassmen with high scholastic standing are admitted without prerequisite on approval of the instructor. Prerequisite: 111-112.

227-228. ENTOMOLOGY

Introductory study of insects. Offered only by special arrangement.

232. PLANT PHYSIOLOGY

A lecture, laboratory, and greenhouse study of the functional relationships of the plant body in which absorption and transfer of materials, photosynthesis, respiration, and transpiration are treated with special attention to the problems of plant growth, development, and propagation. Prerequisite: 115.

461-462. INDIVIDUAL WORK FOR HONORS

Staff. 3
CHEMISTRY

Mr. Ronneberg, Chairman; Mr. Everhart, Mr. Fettes, Mr. Traynham

MAJOR IN CHEMISTRY

Courses in Chemistry provide a general cultural background, preparation for entering chemical industry or for graduate study in pure chemistry or chemical engineering; and basic preparation for professional work in certain scientific fields of medicine, dentistry, physics, and engineering.

Students may graduate with a B.A. degree on fulfillment of graduation requirements and completion of the following courses: 111-112, 213, 214, 323-324; Physics 112, 114 or 212; and Mathematics 116 or 122. Courses 111-112 and 323-324 meet the entrance requirements of medical schools as a minimum, while 213 and 214 are considered highly desirable and are required by many medical schools.

A deposit of $5 for breakage and non-returnable supplies is required except for 317-318, 413-414, and 450.

The department is among those accredited by the American Chemical Society with respect to facilities, faculty, and curricula. A student who wishes certification to the American Chemical Society must also have earned credit in 311-312, 450, and in at least one of the following courses: 315, 361-362, 415, 417, or 461-462. In addition he must have earned credit in Mathematics 216 or 222, and must have a reading knowledge of German. A student who finishes this sequence of courses may elect to receive the B.S. degree and will meet the requirements for entrance to graduate schools of chemistry.

109-110. CHEMISTRY OF THE HOME AND COMMUNITY Stoff. 3

Introductory course in Chemistry with practical applications to Home Economics and allied fields. (Open to women.)

111-112. GENERAL CHEMISTRY INCLUDING QUALITATIVE ANALYSIS Stoff. 4

The fundamental principles of modern chemistry including qualitative analysis. It is recommended that a student have completed a high school course in Physics or Chemistry as a preparation for this course. Prerequisites: High School Algebra and Geometry.

213. ELEMENTARY PHYSICAL CHEMISTRY Mr. Everhart. 4

Further emphasis on the fundamental principles of chemistry including structure, properties of solutions, and equilibrium. Prerequisite: 112.
214. QUANTITATIVE ANALYSIS
Mr. Everhart. 4
Gravimetric, volumetric, and electrometric methods of analysis; drill in calculations and fundamental theories. Prerequisite: 213.

311-312. THEORETICAL CHEMISTRY
Mr. Ronneberg. 4
Rigorous treatment of fundamental theories underlying the science of chemistry. Prerequisites: 214; Physics 112 and laboratory course; and Mathematics 215-216 or 221-222. Physics majors accepted on recommendation of their adviser.

315. ADVANCED QUANTITATIVE ANALYSIS
Mr. Ronneberg. 3 or 4
Metallurgical analysis, water, gas, foodstuffs, technical analysis for specific industries. Prerequisite: 214. (Offered either semester.)

317-318. CHEMISTRY OF INDUSTRY AND BUSINESS
Staff. 3
The study of chemically significant processes and products, both organic and inorganic. Designed especially for Science and Engineering majors with at least junior standing. Prerequisites: 214, and registration or credit in 323.

323-324. ORGANIC CHEMISTRY
Mr. Traynham. 4
The chemistry of aliphatic, aromatic, and heterocyclic compounds. Prerequisite: 112.

361-362. DIRECTED STUDY IN CHEMISTRY
Staff. 3
Prerequisite: 214 and registration in 311.

413-414. HISTORY OF CHEMISTRY
Mr. Everhart. 1
A seminar course. Consent of instructor.

415. QUALITATIVE ORGANIC ANALYSIS AND COMBUSTIONS
Mr. Traynham. 3
The methods of qualitative organic analysis and quantitative analysis for carbon, hydrogen, and nitrogen on a semi-micro scale. Prerequisites: 312, 324.

417. ADVANCED INORGANIC CHEMISTRY
Staff. 3
The systematic study of inorganic compounds with laboratory work. Prerequisites: 311 and registration or credit in 312.

450. SEMINAR AND READING COURSE
Staff. 3
Meets two hours a week both semesters. Designed to integrate the student's work in the various areas of chemistry, to require familiarization with the chemical literature, and to prepare students systematically for the comprehensive examinations in Chemistry.

461-462. INDIVIDUAL WORK FOR HONORS
Staff. 3
MAJOR IN CLASSICAL LANGUAGES OR CIVILIZATION

A major in Classical Languages may be obtained by completing 18 semester-hours of credit in language courses and six hours in other courses given by the instructor.

A major in Classical Civilization with no requirements in the use of Greek or Latin languages may be obtained by completing 24 hours from the following courses: Greek 101, 201, 203, 204; Latin 104, 206; Art 205, 305; Philosophy 331; Religion 111; and Education 216.

COURSES IN CLASSICAL CIVILIZATION

(These courses do not require use or study of Greek or Latin Languages.)

GREEK 101. GREEK CIVILIZATION 2
Topical study of the chief aspects of ancient Greek life and thought. May be included in a History major. (Offered in 1952-53.)

LATIN 104. ROMAN CIVILIZATION 2
Structure of Roman customs and institutions as a legacy to the modern world. (Offered in 1950-51.)

GREEK 201. GREEK DRAMA 2
Fifteen plays, tragedies, and comedies are read and discussed. Alternates with 208. (Offered in 1951-52.)

GREEK 203. GREEK LITERATURE IN ENGLISH 2
Cross-section of the varied forms of literary expression, exclusive of drama. Alternates with 201. (Offered in 1952-53.)

GREEK 204. MYTHOLOGY-RELIGION 2
A rapid survey of the principal myths and a study of their use in European and American Literature and Art. (Alternates with Latin 206; offered in 1951-52.)

LATIN 206. LATIN LITERATURE IN ENGLISH 2
Selections from the leading writers. (Alternates with Greek 204; offered in 1952-53.)

361-362. DIRECTED STUDY IN CLASSICAL CIVILIZATION 3
461-462. INDIVIDUAL WORK FOR HONORS 3
COURSES IN LANGUAGE

(Any of the following will be given, if demand warrants.)

**GREEK**

111-112. INTRODUCTION TO THE GREEK LANGUAGE 3
Forms, grammar, and elementary reading. Open to the students of all classes.

211-212. GREEK NEW TESTAMENT 3
One of the Gospels (first semester); One of Paul's Epistles (second semester). Prerequisite: 111-112.

**LATIN**

101. SELECTIONS FROM CICERO 3
Prerequisite: Two or three years of high school Latin.

102. VIRGIL 3
Selections from the first six books of the *Aeneid*. Prerequisite: Three years of high school Latin.

111-112. SELECTIONS FROM LATIN LITERATURE 3
Principally comedies, lyric, elegiac, and satiric poetry. Prerequisite: Four years of high school Latin.

211. CICERO AND OVID 3
History and mythology. Sight reading. (Offered in 1952-53 and in alternate years.)

212. PLINY AND ROMAN HISTORIANS 3
Letters and essays. (Offered in 1950-51 and in alternate years.)

311-312. VIRGIL 3
A study of all the poems of Virgil.

361-362. DIRECTED STUDY IN CLASSICAL LANGUAGES 3

461-462. INDIVIDUAL WORK FOR HONORS 3

THE TEACHING OF LATIN (See Education 333.)
COURSES OF STUDY

ECONOMICS

Mr. Gordon, Chairman; Mr. Lehman, Mr. Nelson,
Mr. Cook, Mr. Atwood, Mr. Alford

A student wishing to concentrate in Economics may choose between a major in Economics and a major in Business.

MAJOR IN ECONOMICS

The major in Economics is designed for students who expect to pursue graduate study in Economics leading to a teaching or research career, for those who expect to enter government service, and for those who expect to enter business as economic consultants, advisers, statisticians, financial analysts, or research directors.

A major in Economics is required to take 211-212 and at least 18 semester-hours chosen from the following courses: 223-224, 313, 315, 317-318, 410, 413, 414, 422, 431, and 440. He may take additional courses in this department up to a maximum of 36 hours and should take at least 30 hours. He is also required to take the following related courses in the freshman year: Core Course 40 a, Mathematics 108, and History 121-122.

A major in Economics should register for as many as possible of the following related courses (the minimum number of semester-hours to be taken in this group is 24): Geography 221, 226; Government 211, 212, 312; Mathematics 205-206; Core Course 40 b; Philosophy 321, 326; Psychology 211, 417; Sociology 207, 208, 415, and Core Course 10 b or Speech 221. A student who contemplates graduate study or government service should elect a modern foreign language.

MAJOR IN BUSINESS

A major in Business is designed for those who expect to engage in business and whose interests run toward the study of applied economics.

A major in Business is required to take 211-212 and at least 18 semester-hours chosen from the following courses: 223-224, 313, 314, 315, 316, 317-318, 332, 410, 419, 424, and 440. He may take additional courses in this department up to a maximum of 36 hours and should take at least 30 hours. He is also required to take Core Course 40 a and Mathematics 108 in the freshman year. A business major should
register for as many as possible of the following related courses (the minimum number of hours to be taken in this group is 24): Geography 221, 226; Government 211, 231-232; History 121-122; Mathematics 205-206; Philosophy 321, 326; Psychology 211, 320, 417; Sociology 207, 415, and Speech 221 or Core Course 10 b.

Every major should take 223 concurrently with 211, and 224 concurrently with 212.

207. PRINCIPLES AND PROBLEMS OF ECONOMICS Mr. Nelson. 3

A special section of principles of economics together with Sociology 207 fulfills the Core Course 71-72 requirement. (Offered each semester.)

211-212. PRINCIPLES AND PROBLEMS OF ECONOMICS Mr. Nelson, Mr. Atwood. 3

A special section of 212 may be offered the first semester primarily for students who have had Core Course 71-72 and who wish to complete the prerequisites for advanced courses.

223-224. ACCOUNTING SURVEY Mr. Cook. 3

A survey course of accounting designed specifically for liberal arts students interested in business, economics, law, and government. Introduction to the principles of financial statements, costs and revenues, cost accounting, non-profit accounting, consolidated statements, and analysis of financial statements.

313. PRINCIPLES OF TRANSPORTATION Mr. Cook. 3

The American system of railroad, highway, air, and inland water transportation. Valuation, rate making, public control, and related problems of common carriers. Prerequisites: 211-212 or 213-214, or Core Course 71-72 and Economics 212.

314. PRINCIPLES OF MARKETING Mr. Cook. 3

Fundamentals of marketing, a study of the marketing functions and agencies involved in marketing, and of the structure of markets, competitive practices, distribution policies, and pricing. Prerequisites: 211-212 or 213-214, or Core Course 71-72 and Economics 212.

315. MONEY AND BANKING Mr. Lehman. 3

Principles of money, credit, and banking, including a study of the institutions and financial organizations designed to supply society with adequate media of exchange. Development of American monetary and banking practices and policies. Prerequisites: 211-212 or 213-214, or Core Course 71-72 and Economics 212.
316. CORPORATE ORGANIZATION AND FINANCE  Mr. Alwood. 3
Principles underlying the promotion, organization, financial structure, control, failure, and reorganization of corporate enterprise. Prerequisites: 211-212 or 213-214, or Core Course 71-72 and Economics 212. It is highly desirable that students registering for this course shall also have had 223-224.

317-318. LABOR ECONOMICS  Mr. Gordon, Mr. Lehman. 2
Employer-employee relations, including problems of wages, employment, and conditions of work as they affect individuals and the national economy. The functions and activities of legislative, executive, judicial, and administrative branches of state and federal government in the cross currents of employer, employee, and consumer interests. Both semesters must be completed for credit. Prerequisites: 211-212 or 213-214, or Core Course 71-72 and Economics 212.

332. ECONOMICS FOR CONSUMERS  Mr. Gordon, Mr. Nelson. 3
An analysis and evaluation of consumers' role in the economy, followed by consideration of forces affecting consumer demand such as custom, fashion, and advertising, concluding with a study of ways in which consumers can perform their functions more effectively. (Offered each semester.)

361-362. DIRECTED STUDY IN ECONOMICS  Staff. 3

410. PUBLIC FINANCE  Mr. Lehman. 3
Public revenues, expenditures, debt, and financial administration, with special attention to the theory and practice of taxation and to problems of fiscal policy. Prerequisites: 211-212 or 213-214, or Core Course 71-72 and Economics 212.

413. RECENT DEVELOPMENTS IN ECONOMIC THOUGHT  Mr. Gordon, Mr. Lehman. 2
Based on readings in current economic journals. Consent of instructor.

414. SEMINAR  Mr. Gordon, Mr. Lehman. 2
Introduction to principles and methods of research. Consent of instructor.

419. PRINCIPLES OF INSURANCE  Mr. Alwood. 3
Survey of property, casualty, liability, and social insurance, with special emphasis on the principles of life insurance. Open to senior majors and non-majors.
422. ADVANCED ECONOMIC ANALYSIS  Mr. Lehman. 3
Application of the tools of economic analysis to problems of production, pricing, distribution, income, and employment. Prerequisites: 211-212 or 213-214, or Core Course 71-72 and Economics 212.

424. PRINCIPLES AND PRACTICE OF INVESTMENTS  Mr. Alford. 3
The social implications of investments; the problem of investing funds from the individual viewpoint; analysis of types of securities; methods of analyzing specific securities; evaluation of forecasting methods. Prerequisites: 211-212 or 213-214, or Core Course 71-72 and Economics 212. It is highly desirable that students registering for this course shall also have had 223-224.

431. INTERNATIONAL TRADE AND FINANCE  Mr. Atwood. 3
Bases of trade among nations; the theory and mechanism of international financial transactions; evaluation of international commercial and financial policies, with special reference to those of the United States. Prerequisites: 211-212 or 213-214, or Core Course 71-72 and Economics 212.

440. GOVERNMENT AND BUSINESS  Mr. Gordon. 2
A trip to Washington to observe the federal government perform its economic functions through such agencies as Supreme Court, Board of Governors of the Federal Reserve System, Federal Trade Commission, National Labor Relations Board, etc. Conferences are arranged with individuals prominent in formulating or administering governmental economic policies. Spring vacation. Consent of instructor.

461-462. INDIVIDUAL WORK FOR HONORS  Staff. 3

EDUCATION

Mr. Howes, Chairman; Mr. Major, Mr. Schaff

TEACHER PREPARATION. Denison University is accredited by the State Department of Education in Ohio in the teacher-preparation field of secondary education, including the junior high school and senior high school. The University also offers some of the courses required in the preparation of teachers and leaders in the fields of religious, commercial, and elementary education. Special Certificates in Music (See Music Curriculum) and Physical Education and Health may be obtained by both men (see page 96) and women (see page 99).
on completion of the required courses of these curricula. A student registering for courses in Education must obtain at least a 30 percentile rating on the Ohio State University Psychological Test or its equivalent on another test. He must also make a satisfactory rating on standardized tests in English, handwriting, and vocabulary. The student will be required to submit to a speech test given by the Department of Speech and, if found deficient, must register for appropriate courses.

A student expecting to become a teacher or coach of athletics should confer with the chairman of the Department of Education as early as possible in order to receive advice on planning an effective four-year schedule.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Credits</th>
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<tbody>
<tr>
<td>211</td>
<td>INTRODUCTION TO SCHOOL MANAGEMENT</td>
<td>Mr. Hawes.</td>
<td>3</td>
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<td></td>
<td>Open to freshmen with consent of instructor.</td>
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<tr>
<td>214</td>
<td>INTRODUCTION TO MUSIC EDUCATION</td>
<td>Mr. Oxley.</td>
<td>2</td>
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<tr>
<td>215</td>
<td>HISTORY OF EDUCATION IN THE UNITED STATES</td>
<td>Mr. Schaff.</td>
<td>3</td>
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<td>216</td>
<td>HISTORY OF EDUCATION</td>
<td>Mr. Schaff.</td>
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<td>Open to freshmen with consent of instructor.</td>
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<td>309</td>
<td>EDUCATIONAL SOCIOLOGY</td>
<td>Mr. Schaff.</td>
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<td>311</td>
<td>THE TEACHING OF SCIENCE</td>
<td>Mr. Hawes.</td>
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<td>Prerequisites: Education 321, Psychology 211.</td>
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<tr>
<td>313-314</td>
<td>THE TEACHING OF PHYSICAL EDUCATION (MEN)</td>
<td>Mr. Jenkins.</td>
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<td>Prerequisites: Education 321, Psychology 211.</td>
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<tr>
<td>315</td>
<td>SURVEY OF VOCAL METHODS</td>
<td>Mr. Oxley.</td>
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<td>Prerequisites: Education 321, Psychology 211. Alternates with</td>
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<tr>
<td>316</td>
<td>SURVEY OF INSTRUMENTAL MUSIC METHODS</td>
<td>Mr. Oxley.</td>
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<td>Prerequisites: Education 321, Psychology 211. Alternates with</td>
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<td>318</td>
<td>THE TEACHING OF HEALTH EDUCATION (WOMEN)</td>
<td>Miss Turnell.</td>
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<td>Prerequisites: Education 321, Psychology 211, Physical Education for Women 215.</td>
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<tr>
<td>320</td>
<td>THE TEACHING OF SOCIAL STUDIES</td>
<td>Mr. Schaff.</td>
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<td>Prerequisites: Education 321, Psychology 211.</td>
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</tbody>
</table>
321. EDUCATIONAL PSYCHOLOGY
Application of the principles of growth and learning to education. Prerequisite: Psychology 211 or Core Course 51-52.

Mr. Major. 3

322. EDUCATIONAL GUIDANCE
Specific practices to prospective teachers of the secondary schools whether they become administrators, counselors, supervisors or other members of the school staff.

Mr. Schoff. 3

325. EVALUATION OF TEACHING
Construction and use of tests; selection of standard tests; and interpretation of test results.

Mr. Major. 3

326. THE TEACHING OF GENERAL METHODS IN HIGH SCHOOL
Prerequisites: Education 321, Psychology 211.

Mr. Major. 3

327-328. THE TEACHING OF PHYSICAL EDUCATION (WOMEN)
Prerequisites: Education 321, Psychology 211.

Miss Turnell. 2

331. THE TEACHING OF ENGLISH
Prerequisites: Education 321, Psychology 211.

Miss Lewis. 3

333. THE TEACHING OF LATIN
Prerequisites: Education 321, Psychology 211.

Mr. Dean. 2-3

335. THE TEACHING OF MATHEMATICS
Prerequisites: Education 321, Psychology 211, Mathematics 116 or 122. (Offered in 1952-53.)

Mr. Schoff. 3

339. THE TEACHING OF SPEECH
History of rhetorical thought, psychology of language, phonetics, the shaping of speech curriculum. Prerequisites: Education 321, Psychology 211.

Mr. Crocker. 2

341. THE TEACHING OF PUBLIC SCHOOL ART
Prerequisites: Education 321, Psychology 211. (Offered in 1952-53.)

Miss Harman. 4

343. THE TEACHING OF MODERN LANGUAGES
Prerequisites: Education 321, Psychology 211.

Mr. Secor. 3

346. THE TEACHING OF HEALTH
Prerequisites: Education 321, Psychology 211.

Mr. Livingston. 3
401. METHODS OF STUDY
Prerequisites: Education 321, Psychology 211.
Mr. Schoff. 1

402. PROFESSIONAL READINGS
Mr. Schoff. 1-4

412. PRINCIPLES OF SECONDARY EDUCATION
Mr. Hawes. 3
Individual differences of the secondary school pupil; social principles; and a philosophy of education. Prerequisite: 15 hours in Education.

413. SEMINAR IN MUSIC EDUCATION
Mr. Oxley. 1
Required of students doing practice-teaching in music.

414. SCHOOL ADMINISTRATION AND SUPERVISION
Mr. Hawes. 3
Prerequisite: 15 hours in Education.

415-416. STUDENT TEACHING
Mr. Hawes, Director, and Staff. 4-6
Eligibility: Residence at Denison for one year; a major in education; an average grade of B in his teaching field; a recommendation from the chairman of the department of his field. A student should carry not to exceed 12 academic hours of credit in addition to his student teaching. Conference Thursday, 4 p.m. Consent of instructor.

461-462. INDIVIDUAL WORK FOR HONORS
Staff. 3

ENGINEERING SCIENCE
Mr. Koto, Acting Chairman; Mr. Ladner

A student interested in Engineering should major in Mathematics or one of the physical sciences, his choice depending upon the branch of engineering he wishes to enter. Pre-engineering credits earned at Denison are accepted by engineering schools. (See Combined Arts-Professional Courses.)

The following courses in Engineering Science may be elected by pre-engineering and other students:

101. STATISTICAL GRAPHICS
Mr. Ladner. 2
Use of instruments, lettering, and tracing; construction of different types of charts and graphs used in statistical work. Not restricted to engineering students.
111. ENGINEERING DRAFTING
Mr. Lodner. 2-3
Use of instruments, simple projections, freehand sketching, geometric problems, conventional signs, and tracings. Recommended for non-engineering students, particularly those majoring in the sciences.

112. DESCRIPTIVE GEOMETRY
Mr. Lodner. 4
Conventional projection theories of drafting with problems and applications in point, line, and plane; intersection and development of surfaces. Prerequisite: 111.

115. MACHINE DRAWING
Mr. Lodner. 2
Elementary design and working drawings. Prerequisite: 111.

122. ELEMENTARY SURVEYING
Mr. Lodner. 4
Fundamental methods; use of tapes, level, and transit; land surveying; areas and plotting; field problems. Two class and two laboratory periods each week. Prerequisites: 111 and Trigonometry.

311-312. TECHNICAL MECHANICS
Mr. Lodner. 3
The principles of applied mechanics with reference to their application to engineering. Prerequisites: Mathematics 221-222; Physics 111, and 114 or 211.

314. MECHANICS OF MATERIALS
Mr. Lodner. 5
Engineering materials and their reactions to applied loads, including stress, strain, tension, compression, shear, torsion, and flexure. Prerequisite: 311.

324. ENGINEERING INSPECTION TRIP
Mr. Lodner. 2
Visits are made to industrial plants such as steel, cement, etc., and to the sites of engineering structures, particularly those studied in different courses. Consent of instructor. Spring vacation. (Offered in 1960-61 and in alternate years.)

ENGLISH
Mr. J. L. King, Chairman; Mr. Shumaker, Mr. Mahood, Miss Shannon, Mr. Down, Mr. Coffin, Mr. Arnold, Miss Lewis, Mr. Bennett, Mr. Lawson

MAJOR IN ENGLISH
A student majoring in this department must elect a minimum of 26 hours in English, including 211-212, 321-322, 333, and must have two college years or its equivalent of one modern foreign language.
Core Course 11-12, required of all freshmen, is introductory to courses in this department but does not count as credit toward a major.

Certain courses in literature are offered in other departments: Greek Literature in English—see Classical Languages; French Literature, German Literature, and Spanish Literature—see Modern Languages.

115. CORRECTIVE ENGLISH FOR FRESHMEN  
Staff. 2  
A review of the fundamentals of English Composition. Required of freshmen who pass Core Course 11 with a grade below C.

211-212. ENGLISH LITERATURE  
Staff. 3  
A survey of English literature from the beginning to the late 18th century (first semester); from the 18th century to the present (second semester).

213. NEWSWRITING  
Mr. Mohood. 3  
Assignments in news writing and analysis. Does not count for credit in fulfilling the graduation requirement in Literature. Consent of instructor. (Not offered in 1951-52.)

215-216. LITERATURE AS ART  
Miss Shannon. 3  
A study of literature in relation to the other arts. Illustrations from all the arts are used to teach the fundamental principles necessary for an understanding and appreciation of creative work.

231-232. AMERICAN LITERATURE  
3  
A survey of American literature to the Civil War (first semester); from the Civil War to the present (second semester).

315. CORRECTIVE ENGLISH  
2  
Designed for juniors and seniors who need a review of the fundamentals of English composition, and who desire further practice in writing. Does not count for credit in fulfilling the graduation requirement in Literature. Consent of instructor.

321-322. SHAKESPEARE  
Mr. King. 3  
A study of Shakespeare and his times, the comedies and histories (first semester); the tragedies and later romances (second semester). Prerequisite: junior standing.

324. THE ROMANTIC MOVEMENT IN ENGLAND  
Mr. King. 3  
A brief review of the movement in the 18th century, followed by a study of the works of Wordsworth, Coleridge, Byron, Shelley, and Keats.
326. THE SHORT STORY
   Mr. Shumaker. 3
   A study of the short story as a literary form, with analysis of
typical examples.

329. THE ELIZABETHAN DRAMA
   Miss Shannon. 2-3
   A study of the drama in England from 1580 to 1642 (exclusive
of Shakespeare), with emphasis upon the works of Marlowe and
Jonson. Additional reading for three credits.

330. THE MODERN DRAMA
   Miss Shannon. 2-3
   A study of drama from Ibsen to the present, with emphasis upon
the works of British and American playwrights. Additional reading
for three credits.

333. CHAUCER
   Mr. King. 3
   The life and times of Chaucer with a reading of the Canterbury
Tales, Troilus and Criseyde, and some of the shorter poems.

335-336. BROWNING AND HIS CONTEMPORARIES
   Mr. Mahood. 2

337. ADVANCED COMPOSITION
   Mr. Bennett. 2
   Designed for students who want further training in writing.
   Consent of instructor.

338. CREATIVE WRITING
   Mr. Bennett. 2
   Designed for students of special ability. Consent of instructor.

339. ENGLISH PROSE OF THE 18TH CENTURY
   Mr. Shumaker. 2
   A study of Defoe, Swift, Addison, Steele, Johnson, and others.

340. ENGLISH PROSE OF THE 19TH CENTURY
   Mr. Shumaker. 2
   A study of Carlyle, Ruskin, Macaulay, Arnold, Lamb, Hazlitt,
Pater, and others.

341. THE ENGLISH NOVEL
   Mr. Mahood. 2-3
   The development of the novel in England during the 18th and
19th centuries. Additional outside reading for three credits.

342. ENGLISH AND AMERICAN NOVEL—1870 TO THE PRESENT
   Mr. Mahood. 2-3
   Additional outside reading for three credits.

343-344. READINGS IN EUROPEAN LITERATURE
   Mr. Downs. 3
   A study in comparative literature of selected complete major
works in translation from Homer's Iliad to Sartre.
COURSES OF STUDY

347-348. AMERICAN LITERARY MASTERS 2
A study of Emerson, Thoreau, Hawthorne, Melville (first semester); Poe, Whitman, Dickinson, Mark Twain (second semester).

350. CONTEMPORARY LITERATURE 2
A study of recent trends in English and American Literature.

351. FOLKLORE AND AMERICAN CULTURE  Mr. Coffin. 3
Consent of instructor.

361-362. DIRECTED STUDY IN ENGLISH  Staff. 3

461-462. INDIVIDUAL WORK FOR HONORS  Staff. 3

THE TEACHING OF ENGLISH  (See Education 331.)

FAMILY LIFE

Mrs. Vreeland, Chairman

The courses in Family Life have a twofold purpose, namely, to aid young men and women in preparation for marriage and family life, and to acquaint the student with the history and general social problems of the family. The courses are basic for prospective social workers, nurses, teachers, religious educators, leaders of recreation, and other professional workers who deal with children and families, as well as for the student of general culture.

A student whose primary interest is Family Life should consider especially the following courses: Art 150, Biology 113-114, 224, and 225-226, Chemistry 109-110, Economics 332, English 215-216, Geography 221, Government 211 and 212, Philosophy 321 and 326, Physical Education 201a or 201b, Psychology 217 and 226, Sociology 207, 307, 315, and Religion 213.

Those contemplating graduate study in Family Life should obtain a reading knowledge of at least one foreign language.

211. EDUCATION FOR MARRIAGE AND FAMILY LIFE 3
To acquaint the student with the findings of the biological, psychological, and social sciences as they relate to marriage and family life. (Offered each semester.)
313. THE FAMILY
A study of the structure of the family as an institution and of its inter-relationships with other social institutions; changing economic and social functions of the family as seen in historical and cultural perspective. Credit applies toward a major in Sociology. Prerequisite: 211 or consent of instructor.

314. FAMILY PROBLEMS
Specific problems of homemaking and family life. Emphasis is on the social-psychological aspects of family problems and on interpersonal relationships within the family. Prerequisite: 211 or consent of instructor.

GEOLOGY AND GEOGRAPHY

Mr. Mahard, Chairman

MAJOR IN GEOLOGY
A student majoring in Geology is expected to take Geology 111, 112, Geography 221, 226, Geology 311, 312, 320, 400, 411-412. In addition a minimum of 30 semester-hours is required in Mathematics, Chemistry, Physics, and Engineering Science.

MAJOR IN GEOGRAPHY
A student majoring in Geography is expected to take Geology 111, 112, Geography 221, 226, 230, 232, Geology 320, Geography 411-412, and additional recommended courses in the Social Studies depending upon his vocational interest.

GEOLOGY 111. PHYSICAL GEOLOGY
The elements of dynamical and structural geology; the materials of the earth, their structural relations, and the agents operating upon them. This course includes laboratory and field work.

GEOLOGY 112. HISTORICAL GEOLOGY
The history of the earth and the development of its organisms; the major physical events and the most characteristic features of the life of each period from earliest time to the present. This course includes laboratory and field work. Prerequisite: 111.
Courses of Study

Geography 221. Principles of Geography: Physical and Human

Elements of the physical environment and their effects upon man.

Geography 226. Geography of the United States

Physiographic provinces are studied in turn with emphasis upon origin of landscape features; textbook readings on human and economic factors. Regular lectures for three hours a week. Students who have had Geology 111 or Geography 221 do extra reading in lieu of a fourth hour, students without prerequisite attend fourth-hour lecture on background material.

Geography 230. Geography of South America

Environmental factors and their significance in the affairs of South America and the World. (Offered in 1960-51 and in alternate years.)

Geography 232. Geography of Europe

Environmental factors and their significance in the affairs of Europe with emphasis upon historical geography. (Offered in 1951-62 and in alternate years.)

Geology 311. Structural Geology

Study of movements of solid rock and molten rock and their effect upon crustal features of the earth. Prerequisites: Geology 111, 112, and Geography 226.

Geology 312. Geomorphology and Map Interpretation

Study of the origin of landscape features and the interpretation of topographic maps. Prerequisites: Geology 111, 112, and Geography 226.

Geology 320. Field Trip

A spring vacation automobile trip across the physiographic provinces of Eastern United States. A complete section through the Appalachian Provinces, the Triassic Lowland, and the Coastal Plain is studied. A visit to the American Museum of Natural History in New York City is included.

Geology 400. Field Course

A major in Geology must register for a summer field course offered by any one of a number of approved universities, such as the University of Wyoming, Indiana University, and the University of Michigan; upon the successful completion of the course, he receives credit transferable to his record at Denison.
GEOLOGY 411-412. DIRECTED STUDIES 2-4
Individual reading and laboratory work in a student's field of interest within geology may involve the preparation of a thesis or honors project. Work in mineralogy, petrology, and economic geology are included.

GEOGRAPHY 421-422. DIRECTED STUDIES 2-4
Readings in geography which may involve the preparation of a thesis or honors project.

GEOLOGY OR GEOGRAPHY 461-462. INDIVIDUAL WORK FOR HONORS 3

GOVERNMENT
Mr. Stephens, Chairman; Mr. Morrow, Mr. Freeman

MAJOR IN GOVERNMENT
A major in Government is required to take a minimum of 24 semester-hours in 211, 212, 301, 312, 403, 404, 421, and 425. He may take additional courses in the department up to a maximum of 36 semester-hours and should take at least 30 hours. A major is expected to take a year's course each in American History and in Economics. Credit in Economics 410 is highly recommended for majors, and in Economics 223-224 for pre-law students. Non-majors may take advanced courses on consent of the instructor.

211. AMERICAN NATIONAL GOVERNMENT Mr. Stephens, Mr. Freeman. 3
Study of the development, structure, and operation of our national government.

212. COMPARATIVE GOVERNMENT Mr. Stephens, Mr. Freeman. 3
A comparative study of different types of modern constitutions in relation to their social, economic, and ideological backgrounds. Great Britain, France, Italy, and the Union of Soviet Socialist Republics will be examined with some attention given to Germany.

231-232. BUSINESS LAW Mr. Morrow. 4
A survey of law as applied to business, covering the field of contracts, property, sales, negotiable instruments, agency, partnerships, corporations, insurance, bankruptcy, and labor relations. This may not be counted toward a major in Government.
301. POLITICAL PARTIES AND POLITICS  Mr. Stephens.  3
Origin and evolution of political parties in the United States; their present organizations and methods of operation; nominating systems, campaigns, election laws and types of ballots; the development of state control over party machinery and efforts to correct party abuses.

302. PUBLIC OPINION AND POLITICAL PROCESSES  Mr. Freeman.  3
A study of the nature, formation, expression, and role of public opinion and its effect on political processes.

311. INTERNATIONAL RELATIONS  Mr. Holloway.  3
A study of the forces which determine political relations between nation-states. Power politics and the functions of law, diplomacy, public opinion, and international organizations.

312. STATE AND LOCAL GOVERNMENT  Mr. Stephens.  3
This course deals with the constitutional status of states in the Union, their internal structure, and services. The county and municipality are examined in the light of present trends toward centralization with special attention given to Ohio.

315. PUBLIC ADMINISTRATION  Mr. Freeman.  3
Analysis of organization, principles, and methods of public administration, with special reference to current problems.

341. INTERNATIONAL LAW AND INSTITUTIONS  3
Fundamentals of international law; its current development and practical value. Legal and structural analysis of contemporary international organizations, alliances, and economic-political projects.

403. ANCIENT AND MEDIEVAL POLITICAL THOUGHT  Mr. Stephens.  3
The basic theories of European government from the time of Plato to Machiavelli.

404. MODERN AND CONTEMPORARY POLITICAL THOUGHT  Mr. Stephens.  3
The chief theories of European and American government from Machiavelli to the present.

412. INTRODUCTION TO THE LAW  Mr. Morrow.  5
The history and meaning of law; the development of legal reasoning and philosophy; instrumentalities for the protection of rights; and the structure of the legal profession. For pre-law students.
421. SEMINAR
Mr. Stephens, Mr. Morrow, Mr. Freeman. 3
Analysis of leading books and articles in the field of government.

425. CONSTITUTIONAL LAW
Mr. Morrow. 5
The American Constitutional system through the decisions of the Supreme Court; relationships between state and federal governments; recent trends in jurisprudence.

432. INTERNATIONAL PUBLIC ADMINISTRATION
Mr. Duffy. 3
Problems, principles, and techniques of international public administration; of United States executive departments related to foreign affairs; of United Nations and its specialized agencies; of international civil service, budgeting, planning, and administrative procedures. Consent of instructor. (Offered in 1950-51.)

461-462. INDIVIDUAL WORK FOR HONORS
Staff. 3

HISTORY
Mr. Utter, Chairman; Mr. Stratton, Mr. Southgate, Mr. Pollock,
Mr. Seager, Mr. Lattimer, Mr. Chessman

MAJOR IN HISTORY

A minimum of 24 semester-hours of credit is required for a major. Core Course 21-22, which counts as credit, and History 121-122 or 221-222 are basic for prospective majors, whose sequence of courses will be determined in consultation with an adviser in the department; 411-412 is required of senior majors. By the beginning of the junior year, majors preparing for graduate study will be expected to demonstrate a reading knowledge of a modern foreign language.

121-122. ECONOMIC HISTORY OF THE UNITED STATES
Mr. Lattimer, Mr. Chessman. 3
Offered primarily for majors in Economics but open to others by consent of instructor.

213-214. HISTORY OF ENGLAND
Mr. Southgate. 3
Emphasis on the period from 1066 to the eve of the 19th century. (Offered in 1951-52.)
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>221-222</td>
<td>HISTORY OF THE UNITED STATES SINCE 1763</td>
<td>Mr. Utter</td>
<td>3</td>
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<tr>
<td></td>
<td>Not open for credit to students who have credit for 121-122.</td>
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<tr>
<td>239-240</td>
<td>HISTORY OF THE FAR EAST</td>
<td>Mr. Stratton</td>
<td>3</td>
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<td></td>
<td>Survey of the civilizations of India, China, and Japan from their origins to the present. Emphasis is placed on their contacts with the West.</td>
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<tr>
<td>311-312</td>
<td>EUROPE SINCE 1914</td>
<td>Mr. Pollock</td>
<td>3</td>
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<tr>
<td></td>
<td>European history, political and diplomatic, since the eve of World War I. Consent of instructor. Alternates with 319-320.</td>
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<tr>
<td>319-320</td>
<td>EUROPE IN THE 19th CENTURY</td>
<td>Mr. Pollock</td>
<td>3</td>
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<tr>
<td></td>
<td>A survey of forces which have shaped modern European history, 1759-1914. Alternates with 311-312. (Offered in 1951-52.)</td>
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<tr>
<td>324</td>
<td>THE AMERICAN FRONTIER</td>
<td>Mr. Utter</td>
<td>3</td>
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<tr>
<td></td>
<td>The frontier in American economic, political, and cultural development. Prerequisite: 121-122 or 221-222 or consent of instructor.</td>
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<tr>
<td>325-326</td>
<td>LATIN-AMERICAN HISTORY</td>
<td>Mr. Stratton</td>
<td>3</td>
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<tr>
<td></td>
<td>From colonial times to the present. (Offered in 1951-52.)</td>
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<tr>
<td>327</td>
<td>HISTORY OF AMERICAN DIPLOMACY TO 1900</td>
<td>Mr. Utter</td>
<td>3</td>
</tr>
<tr>
<td>331-332</td>
<td>MODERN COLONIAL EXPANSION AND IMPERIALISM</td>
<td>Mr. Stratton</td>
<td>3</td>
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<tr>
<td></td>
<td>A history of the spread of Europeans overseas since 1500. Particular attention is given to the British Empire. Consent of instructor.</td>
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<tr>
<td>342</td>
<td>THE UNITED STATES AS A WORLD POWER</td>
<td>Mr. Seager</td>
<td>3</td>
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<tr>
<td></td>
<td>Emphasis on diplomatic relations since 1900.</td>
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<tr>
<td>349-350</td>
<td>THE MIDDLE AGES AND THE RENAISSANCE</td>
<td>Mr. Southgate</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>The history of European ideas and institutions from the Fall of Rome to the Reformation. Registration must be for both semesters. Prerequisite, Core Course 21-22. (Offered in 1952-53.)</td>
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<tr>
<td>361-362</td>
<td>DIRECTED STUDY IN HISTORY</td>
<td>Staff</td>
<td>3</td>
</tr>
<tr>
<td>411-412</td>
<td>HISTORIOGRAPHY</td>
<td>Mr. Utter</td>
<td>2</td>
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<td></td>
<td>Introductory course in historical method.</td>
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<tr>
<td>461-462</td>
<td>INDIVIDUAL WORK FOR HONORS</td>
<td>Staff</td>
<td>3</td>
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</tbody>
</table>
MAJOR IN MATHEMATICS

The first two years' work is offered under Sequence I or Sequence II. The second sequence is designed for the stronger student in Mathematics and for the major in this or a related field. In addition, a major will take 459-460 and two other courses in Mathematics, not counting 108, 203, or Education 335. A major in Mathematics with emphasis upon statistics will take 307-308 and 407-408. All majors will elect, after consultation with the chairman of the department, a minimum of 12 semester-hours in subjects related to Mathematics. These may be in Science, Philosophy, or Economics.

Sequence I

Core Course 40a serves as an introduction to mathematical analysis.

116. ELEMENTARY MATHEMATICAL ANALYSIS (Continuation of Core Course 40a.) Staff. 4

215-216. THE CALCULUS Mr. Rupp. 5
An introductory course. Prerequisite: 116.

315. ADVANCED CALCULUS Miss Carpenter. 4
Selected topics including partial differentiation, improper integrals, line and surface integrals, infinite series. Prerequisite: 216 or 222.

Sequence II

121-122. ELEMENTARY MATHEMATICAL ANALYSIS Mr. Kato, Mr. Globe. 5
Introduces elementary ideas of the calculus at the start and uses them throughout the course in an integrated study of topics in algebra, plane trigonometry, and analytic geometry, including an introduction to solid analytic geometry.

221-222. THE CALCULUS Mr. Kato, Miss Carpenter. 5
Includes such topics as partial differentiation, multiple integrals, and expansion of functions into infinite series. Prerequisite: 122.
321-322. ADVANCED ANALYSIS Miss Wetzell, 3
   This course is designed to follow 222. The principal topics are
   partial differentiation, Riemann and Stieltjes integrals, indeterminate
   forms, infinite series, improper integrals, Fourier series, and Laplace
   transform.

   Sequence in Statistics

307-308. MATHEMATICS OF STATISTICS Miss Wetzell, 3
   Introduction to the theory and applications of mathematical sta-
   tistics, including the topics: frequency distributions of one and two
   variables, sampling theory, elementary probability, multiple and par-
   tial correlation, and generalized frequency distributions. Prerequi-
   site: 216 or 222.

407-408. ADVANCED MATHEMATICS OF STATISTICS Miss Wetzell, 3
   Continuation of topics considered in 307-308, with special em-
   phasis upon modern statistical methods.

Non-Sequence Courses

108. MATHEMATICS OF FINANCE Mr. Rupp, Miss Carpenter, Mr. Globes. 3
   Interest and annuities, life insurance, and reserves. Prerequisite,
   Core Course 40a or 121 or consent of instructor.

203. SOCIAL STATISTICS Miss Wetzell, 3
   Adapted to students in Personnel Administration, Psychology,
   and Sociology.

205-206. ECONOMIC STATISTICS Mr. Globe, 3
   Adapted to students in Economics.

332. COLLEGE ALGEBRA Mr. Rupp, 3
   Mathematical induction, determinants and selected topics from

336. COLLEGE GEOMETRY Mr. Rupp, 3
   Synthetic treatment of such topics as poles and polars, inversion,
   and homothetic figures. Consent of instructor. Alternates with 332.

353. DIFFERENTIAL EQUATIONS Mr. Kato, 4
   Introductory course. Prerequisite: 216 or 222.

361-362. DIRECTED STUDY IN MATHEMATICS Staff, 3
453. VECTOR ANALYSIS WITH INTRODUCTION TO TENSOR ANALYSIS
Prerequisite: 315 or 353, and General Physics.

Mr. Kato. 4

459-460. SENIOR SEMINAR
Designed to integrate the student's mathematical knowledge and extend his mathematical horizon. (Three hours of credit for the year; meets two hours each week.)

Mr. Kato, Miss Weitzel

461-462. INDIVIDUAL WORK FOR HONORS
Staff. 3

THE TEACHING OF MATHEMATICS (See Education 335.)

MODERN LANGUAGES
Mr. Secor, Chairman; Miss Koerber, Miss Holm,
Miss Selby, Mr. Preston, Mr. Steele, Mr. Barnes

MAJOR IN MODERN LANGUAGES
A major in this department must complete a minimum of 24 semester-hours above the first-year level in the language. A maximum of 52 semester-hours is allowed providing not more than 36 semester-hours are in one language. At least a reading knowledge of a second modern language is highly desirable for a major. No credit is given for less than a year of beginning work.

A student has access to the Language laboratory for aural training by record and by radio.

A major's sequence of courses is arranged in conference with the chairman of the department.

THE TEACHING OF MODERN LANGUAGES (See Education 343.)

FRENCH
Mr. Secor, Miss Selby, Mr. Preston

101-102. AREA STUDY: FRANCE
The cultural background and significant contemporary sociological and economic problems of the area; its position in the affairs of the world today, and its relation to the United States. Offered in the English language.

Mr. Secor. 2
COURSES OF STUDY

111-112. INTRODUCTION TO THE FRENCH LANGUAGE  Staff.  4

211-212. INTERMEDIATE FRENCH  Staff.  3
Reading, grammar review, and conversation. Prerequisite: Two years of high school French or one year of college French.

213-214. CONVERSATION AND COMPOSITION  Staff.  2
To accompany 211-212 for those students who wish to develop greater language skill. May be taken either semester or both semesters.

311-312. AN INTRODUCTION TO FRENCH LITERATURE AND CIVILIZATION  Mr. Secor.  3
Readings from such authors as Molière, Corneille, Racine, Voltaire, Beaumarchais, Hugo, Balzac, and modern writers. Prerequisite: Three or four years of high school French or two years of college French.

313-314. CONVERSATION  Mr. Preston.  2
Composition as needed. Prerequisite: 211-212 or 213-214 or 311-312. (Offered in 1951-52.)

317. THE CLASSIC DRAMA  Miss Selby.  3
Corneille, Racine, Molière. Prerequisite: 311-312.

318. EIGHTEENTH CENTURY LITERATURE  Miss Selby.  3
Voltaire, Rousseau, Montesquieu, Diderot and the leading playwrights and novelists of the century. Prerequisite: 311-312.

319. NINETEENTH CENTURY PROSE AND POETRY  Mr. Secor.  3
Novel: Chateaubriand, through Balzac, Flaubert, de Maupassant to contemporary writers. Critics: Sainte Beuve, Taine, Renan. Poets from the Romanticists through the Symbolists. Prerequisite: 311-312. (Offered in 1951-52.)

320. NINETEENTH CENTURY THEATRE  Mr. Secor.  3
The Romantic, Realistic-Social, Naturalistic Schools, and modern trends. Prerequisite: 311-312. (Offered in 1951-52.)

361-362. DIRECTED STUDY IN FRENCH  Staff.  3

415-416. ADVANCED FRENCH GRAMMAR AND WRITING  Mr. Secor.  2

461-462. INDIVIDUAL WORK FOR HONORS  Staff.  3
101-102. AREA STUDY: GERMANY (Miss Koerber. 2)
   The cultural background and significant contemporary sociological and economic problems of the area; its position in the affairs of the world today, and its relation to the United States. Offered in the English language.

111-112. INTRODUCTION TO THE GERMAN LANGUAGE (Staff. 4)

211-212. INTERMEDIATE GERMAN (Mr. Barnes. 3)
   Reading, grammar review, and conversation. Prerequisite: Two years of high school German or one year of college German.

213-214. CONVERSATION AND COMPOSITION (Mr. Barnes. 2)
   This course accompanies 211-212 for those students who wish to develop greater language skill. May be taken either semester or both semesters.

215-216. SCIENTIFIC GERMAN LITERATURE (Miss Koerber. 3)
   Prerequisite: 111-112, one year of college science, and consent of instructor.

317. GERMAN CLASSICS (Miss Koerber. 3)
   Lessing, Schiller, and the classical German drama. Prerequisites: 212, 214, or 216, or three years of high school German. Alternates with 319. (Offered in 1951-52.)

318. GOETHE'S WORKS (Miss Koerber. 3)
   Selections. Prerequisites: 212, 317 or 319 or consent of instructor. Alternates with 320. (Offered in 1951-52.)

319. NINETEENTH CENTURY PROSE (Miss Koerber. 3)
   Beginning with the Romanticists and including recent literary movements represented by Hauptmann, Sudermann, Schnitzler, Thomas Mann, and other leading writers. Prerequisite: Same as for 317.

320. NINETEENTH CENTURY DRAMA (Miss Koerber. 3)
   Kleist, Grillparzer, Hebbel, Hauptmann, Sudermann, and others. Prerequisite: Same as for 318.

361-362. DIRECTED STUDY IN GERMAN (Staff. 3)
415. SURVEY OF GERMAN LITERATURE BEFORE 1700  Miss Koerber.  2
   Prerequisite: Any 300-course or any two 200-courses, including
   211, 212. (Offered in 1951-52.)

416. SURVEY OF GERMAN LITERATURE AFTER 1700  Miss Koerber.  2
   Prerequisite: Same as for 415. (Offered in 1951-52.)

461-462. INDIVIDUAL WORK FOR HONORS  Staff.  3

ITALIAN

111-112. INTRODUCTION TO THE ITALIAN LANGUAGE  4
   (Offered upon demand.)

PORTUGUESE

111-112. INTRODUCTION TO THE PORTUGUESE LANGUAGE  4
   (Offered upon demand.)

211-212. INTERMEDIATE PORTUGUESE  3
   (Offered upon demand.)

SPANISH

Miss Holm, Mr. Steele, Mr. Preston, Mr. Barnes

101-102. AREA STUDY: LATIN AMERICA  Miss Holm.  2
   The cultural background and significant contemporary sociologi-
   cal and economic problems of the area; its position in the affairs of
   the world today, and its relation to the United States. Offered in the
   English language.

111-112. INTRODUCTION TO THE SPANISH LANGUAGE  Staff.  4

211-212. INTERMEDIATE SPANISH  Staff.  3
   Reading, grammar review, and conversation. Prerequisite: Two
   years of high school Spanish or one year of college Spanish.

213-214. CONVERSATION AND COMPOSITION  Mr. Steele.  2
   To accompany 211-212 for those students who wish to develop
   greater language skill. May be taken either semester or both se-
   mesters.
311-312. INTRODUCTION TO SPANISH LITERATURE AND CIVILIZATION
Mr. Steele. 3
Readings from *El Cid*, The Spanish Ballads, *La Celestina*, *Lazarillo de Torment*, Ruiz de Alarcón, *Don Quijote*, Larra, Duque de Rivas, Bécquer, Valera, Pérez Galdós, and modern writers. Prerequisite: Three or four years of high school Spanish or two years of college Spanish.

313. COMMERCIAL SPANISH
Miss Holm. 2
Letters and forms used in business. Prerequisite: 211-212 or equivalent.

314. ADVANCED CONVERSATION
Miss Holm. 2
Composition as needed. Prerequisite: 213-214.

317. DRAMA OF THE GOLDEN AGE
Miss Holm. 3
Leading playwrights and their chief works: Lope de Vega, Calderón de la Barca, Tirso de Molina, Ruiz de Alarcón, Moreto and Rojas Zorrilla. Prerequisite: 311-312. (Offered in 1951-62.)

319. SPANISH NOVEL
Miss Holm. 3
The development of the novel in Spain and Spanish America from its beginning to the present time. Prerequisite: 311-312. (Offered in 1951-52.)

320. MODERN SPANISH DRAMA
Miss Holm. 3
Beginning with the Neo-Classic drama and including the more recent literary movements in Spain and Spanish America. Prerequisite: 311-312. (Offered in 1951-52.)

323-324. SPANISH-AMERICAN LITERATURE AND CIVILIZATION
Miss Holm. 3
Readings from representative writers beginning with the Colonial period and including the present time with emphasis on civilization as reflected in them. Prerequisite: 311-312. Recommended: History 325-326 and Geography 230.

361-362. DIRECTED STUDY IN SPANISH
Staff. 3

414. ADVANCED COMPOSITION AND PHONETICS
Miss Holm. 3
(Offered in 1951-52.)

461-462. INDIVIDUAL WORK FOR HONORS
Staff. 3
MAJOR IN MUSIC

All courses listed grant credit, as indicated, toward either the Bachelor of Arts degree or the Bachelor of Music degree. (See Degrees in Music.) Any student in the University may elect courses to a maximum of 40 semester-hours (including four hours in Ensemble Music) under the former, or 64 hours under the Mus.B., degree. Those who are candidates for a degree in Applied Music will pay the regular college tuition but not the additional charges for private lessons. (For costs see Expenses.)

Core Course 31-32-33 serves as an introduction to music appreciation but does not count as credit for a major in music.

103-104. CHORUS, ORCHESTRA, BAND OR ENSEMBLE TRAINING

Mr. Eschman, Mr. Larson, Mr. Geller, Mr. Oxley, Mr. Miller.

Three hours are required for one hour of college credit each semester, one being in Chorus, Orchestra, Band or A Cappella Choir; the others are elective ensemble music.

105-106. OPERA WORKSHOP

Mr. Larson.

A course in the history and performance of operas.

107-108. CHAMBER MUSIC WORKSHOP

Mr. Geller.

A course in the style and performance of chamber music.

111-112. FUNDAMENTAL MUSICIANSHIP

Mr. Eschman.

Required of all freshmen majoring in Music.

121-122. HARMONY

Mr. Eschman.

Required of all freshmen majoring in Music.

201. HISTORY OF MUSIC TO THE 18th CENTURY

Mr. Stark.

(Alternates with 311-312; offered in 1951-52.)

202. HISTORY OF MUSIC FROM THE 18th CENTURY TO THE PRESENT TIME

Mr. Stark.

203-204. CHORUS, ORCHESTRA, BAND OR ENSEMBLE TRAINING

Mr. Eschman, Mr. Larson, Mr. Geller, Mr. Oxley, Mr. Ravnan.
205-206. APPRECIATION OF MUSIC
Offered without prerequisites in musical training or experience.

211-212. ADVANCED MUSICIANSHP
Prerequisite: 111-112.

221-222. ADVANCED HARMONY
Increased vocabulary in composition. Prerequisite: 121-122.

304. TERMINOLOGY AND CONDUCTING

305. ORCHESTRATION

306. ADVANCED ORCHESTRATION
Prerequisite: 305.

311-312. MUSICAL FORM
Analysis of the principal instrumental forms. (Alternates with 201-202; offered in 1952-53.)

METHODS IN MUSIC EDUCATION
The psychology and problems of teaching public school music applied to present day practices. See Education 214, 315, 316, and 413.

331-332. COUNTERPOINT
The principles of harmony applied to the melodious treatment of two or more voice parts in combination. Prerequisite: 221-222, and some proficiency in piano playing. (Offered in 1950-51.)

441-442. COMPOSITION
Composition of vocal and instrumental works in strict and free styles. Prerequisite: 221-222 and some proficiency in pianoforte or organ playing.

461-462. INDIVIDUAL WORK FOR HONORS

STRING INSTRUMENTS CLASS
Class instruction for majors in Music Education.

VOICE CLASS
Class lessons in voice. Recommended for the improvement of the speaking as well as the singing voice.

WOODWIND INSTRUMENTS CLASS
Class instruction for majors in Music Education.
Counsra of Study

Brass Instruments Class

Class instruction for majors in Music Education.

Private Lessons in Organ, Piano, Violin, Violoncello, Voice, and Wind Instruments (For credit, see below.)

Instruction is in private lessons and the need of the individual student at any level of instruction is met.

Major in Applied Music

Credit in Applied Music to a total of eight semester-hours may be obtained toward the A.B. degree by a major in any department. A major in Applied Music may elect 16 hours in Applied Music. One credit is given for one lesson a week and one hour of practice a day. Two credits are given for two lessons a week and two hours of practice daily. The former will be given the name of the subject: Piano, etc., and the numbers 111-112, 211-212, 311-312, 411-412 depending upon the year of study. The two-hour credit courses will be numbered 121-122, 221-222, etc.

In Applied Music 48 semester-hours are required for the Bachelor of Music degree in performance major. A student must register for Piano, Voice, Violin, Organ, Wind Instruments, or Violoncello: 131-132, 231-232, etc., three hours of credit; 141-142, 241-242, etc., four hours of credit. (In each case the first digit of the course-number indicates the year, the second the number of credits, and the third digit, the semester in which the course was taken.)

Philosophy

Mr. Titus, Chairman; Mr. Hepp

Philosophy may be selected as a general cultural background, as a major for ministerial students, or as preparation for graduate work in Philosophy.

Major in Philosophy

A major requires 24 semester-hours, preferably in sequence, the courses to be selected in consultation with the members of the staff on the basis of the interests and needs of the student.

Logic (Reflective Thinking)

See Core Course 40 b. Required of majors in Philosophy.
224. LIVING ISSUES IN PHILOSOPHY
   Mr. Titus. 3
   Introduction to philosophy with emphasis upon present-day problems. The student is encouraged to integrate the various branches of knowledge into a workable philosophy of life.

321. ETHICS FOR TODAY
   Mr. Titus. 3
   A study of the development, nature, and theories of morality with special emphasis given to present-day problems of personal and social morality. Open to sophomores by consent of instructor.

323-324. MODERN SOCIAL PHILOSOPHIES: Year Course
   Mr. Titus. 3
   Examination of the social philosophy underlying democracy, capitalism, the consumers' cooperative movement, socialism, communism, fascism, etc. Prerequisite: 321 or consent of instructor; 323 is prerequisite for 324.

326. MODERN SOCIAL PHILOSOPHIES: One Semester
   Mr. Titus. 3
   Outline or survey of modern social philosophies. (See 323-324 for content.) Prerequisite: 321 or consent of instructor.

327. THE PHILOSOPHY OF CIVILIZATION
   Mr. Titus. 3
   The sources of Western civilization and recent philosophies of civilization as set forth by Spengler, Sorokin, Schweitzer, Toynbee, Northrop, and others. Prerequisite: 326 or consent of instructor.

331. HISTORY OF PHILOSOPHY
   Mr. Hepp. 3
   Investigation of origins of Western philosophy and science, followed by first-hand study of philosophical classics from Plato and Aristotle to Augustine and Thomas Aquinas. (Offered in 1950-51 and in alternate years.)

332. HISTORY OF PHILOSOPHY
   Mr. Hepp. 3
   Modern philosophies which have shaped the contemporary mind. First-hand acquaintance with the philosophical classics from Descartes to Kant. (Offered in 1950-51 and in alternate years.)

333. NINETEENTH CENTURY PHILOSOPHY
   Mr. Hepp. 3
   Work of such philosophers as Hegel, Schopenhauer, Comte, J. S. Mill, Nietzsche, and Royce, and their relations to the social, scientific, and religious thinking of the period. Consent of instructor. (Offered in 1951-52 and in alternate years.)

334. CONTEMPORARY THOUGHT
   Mr. Hepp. 3
   A seminar on the main trends of 20th century philosophy and the work of leading contemporary philosophers. Consent of instructor. (Offered in 1951-52 and in alternate years.)
361-362. DIRECTED STUDY IN PHILOSOPHY  

Staff. 3

401-402. PHILOSOPHY OF RELIGION  
Mr. Holbrook. 3

A two-semester course dealing critically with the nature and existence of God, religious knowledge, the nature and destiny of man as interpreted by Thomism, Kantianism, Personalism, Absolute Idealism, Naturalistic Theism, and Neo-Protestantism. Prerequisites: Two semesters of Philosophy and two semesters of Religion or consent of instructor. (See Religion 401-402.)

461-462. INDIVIDUAL WORK FOR HONORS  

Staff. 3

PHYSICAL EDUCATION FOR MEN

Mr. W. J. Livingston, Chairman; Mr. Jenkins, Mr. Carl, Mr. Eikenberry

Credit ranging from two to six hours in this department is required for graduation. This is met by courses and physical fitness tests during the freshman, sophomore, and junior years.

MAJOR IN PHYSICAL EDUCATION FOR MEN

A major sequence requires 44 semester-hours of credit including Biology 201-202, Education 346, and elective courses in Psychology. A student completing all the courses is qualified for a position as supervisor and special teacher of health and physical education in high schools, providing he has the necessary credits in Education. A minor requires 24 semester-hours of credit. The minimum requirements in Education are stipulated by the State Department of Education for all high school teachers.

Following the required health examinations during the orientation period and subsequent classification of a student, registration for the required work in Physical Education for men who enter without military credits is held.

A student who passes the physical fitness tests at the end of the freshman year is excused from class attendance for the first semester of the sophomore year. At the end of each semester tests are given to determine class attendance for the next semester, up to and including the tests at the end of the student's fifth semester. Whenever a student fails to pass any of these tests, he must register for and attend classes in the basic course in the following semester.
A student who fails to earn credit in any semester in which he is registered for required Physical Education must repeat the course with a passing grade. A man will be denied graduation until he has earned six credits in required Physical Education, or until the sum of credits earned and waivers granted for passing fitness tests total six.

The fitness tests include swimming and skills in individual and team competition in both indoor and outdoor sports.

**REQUIRED COURSES**

111-112. FOR FRESHMEN

Corrective gymnastics, rhythmics, beginning swimming, individual athletics, tumbling stunts, and sports for freshmen only. A final examination is given in each course.

A student failing the course must repeat it or elect another. A student may receive duplicate credit in any course. If assigned to Corrective Gymnastics, he may take the course for one, two, three, or four semesters. (Three hours each week.)

211-212. FOR SOPHOMORES

Corrective gymnastics, rhythmics, advanced swimming, boxing, wrestling, sports, and apparatus stunts. (Three hours each week.)

311-312. FOR JUNIORS

Gymnastics required of a student unless he has already passed the physical fitness tests for 111-112 and 211-212. (Three hours each week.)

**ELECTIVE COURSES**

Minimum requirements for the special certificate valid for service in Ohio schools, grades 7 to 12 inclusive, shall consist of 24 semester-hours.

The minimum requirements for a special certificate valid for service in grades 1 to 12 inclusive shall consist of the following pattern of training:

**Group I**

233. SCHOOL HEALTH EDUCATION Mr. Livingston. 3

Principles, organization, and administration of school health education, including school and community relationships. Prerequisite: 111-112.
234. THEORIES AND PRACTICE
   Mr. Jenkins. 3
   Principles, organization, and administration of physical education, including athletics and recreation. Prerequisite: 111-112.

Group II

313. ACTIVITIES, SKILLS AND METHODS FOR JUNIOR AND SENIOR HIGH SCHOOLS
   Mr. Jenkins. 4
   Activities, skills and methods of teaching rhythms, games of low organization, stunts, tumbling, apparatus, and recreational group activities for junior and senior high schools. Prerequisites: Psychology 211, Education 321.

314. ACTIVITIES, SKILLS AND METHODS FOR ELEMENTARY SCHOOLS
   Mr. Jenkins. 4
   Activities, skills and methods of teaching rhythms, games of low organization, stunts, tumbling, apparatus and recreational group activities for elementary schools. Prerequisites: Psychology 211, Education 321.

319. PHYSICAL ACTIVITIES IN ELEMENTARY SCHOOLS
   Mr. Jenkins. 2
   Problems in the choice and arrangement of activities and in the planning of the activities of each grade. Prerequisites: Psychology 211, Education 321.

Group III

127. MINOR ORGANIZED SPORTS
   Mr. Carl. 2
   Activities, skills, and methods of teaching tennis, soccer, speedball, volleyball, and touch football.

225. MAJOR ORGANIZED SPORTS
   Mr. Carl, Mr. Elkenberry. 4
   Activities, skills, and methods of teaching football, basketball, track, and baseball. Prerequisite: 111-112.

Group IV

TEACHING OF HEALTH (See Education 346.)

Group V

341. ATHLETIC INJURIES AND FIRST AID
   Mr. Carl. 2
   Prerequisite: Biology 201-202.
347-348. PERSONAL AND GENERAL HYGIENE

Health and hygiene, including personal health and living, community health, mental hygiene, social hygiene, foods and nutrition, sanitation, disease control, health counseling. Prerequisite: Biology 201-202.

Group VI

HUMAN ANATOMY AND PHYSIOLOGY

(See Biology 201-202.)

Biology Staff. 4

444. PHYSIOLOGY OF EXERCISE AND KINESIOLOGY

Prerequisite: 347-348.

Mr. Livingston. 2

Group VII

443. ADAPTED PHYSICAL EDUCATION

Individual or adapted physical education, including corrective, restricted, and therapeutic activities, their teaching, and administration. Prerequisite: Biology 201-202.

Mr. Livingston. 2

Group VIII

128. OUTDOOR AND SAFETY EDUCATION

Camping, outdoor education, safety, and driver education and training.

Mr. Eikenberry. 2

ELECTIVE COURSE IN PSYCHOLOGY OR EDUCATION

Adviser: Mr. Hawes, Department of Education.

3-4

PHYSICAL EDUCATION FOR WOMEN

Miss Shepard, Chairman; Miss Turnell, Mrs. Northrop

Physical Education is required of all freshmen and sophomores two periods a week, each course earning one hour of credit each semester.

111-112. FOR FRESHMEN

Elective work from activities listed: archery, badminton, baseball, folk and tap dancing, modern dance, golf, hockey, horseback riding, tennis, track and field, swimming, volleyball, and winter sports. (Two hours each week.)
211-212. FOR SOPHOMORES

Elective work from activities as listed above with emphasis on advanced work. (Two hours each week.)

Majors or minors in the department may receive two hours of credit each in courses 211 and 212 by taking twice the amount of work with the consent of the chairman of the department.

ELECTIVE COURSES

Advanced courses are offered for the benefit of those students desiring to become teachers of Physical Education, or to combine such activity with the teaching of other subjects. They are also arranged to meet the needs of those who desire familiarity with the problems of Physical Education as part of their equipment for community recreation, Girl Scout work, camp leadership, and other modern leisure-time agencies.

Because the courses of the Department are in the process of revision as this catalog goes to press, the specific courses offered will be described in detail in the 1951-52 Catalog. However, the Department will meet the State of Ohio requirements qualifying students for certificates as full-time teachers of Physical Education in grades 1 to 12 inclusive. These requirements are listed under the following groupings:

Group I

Principles, organization and administration of Physical Education, including athletics and recreation; and Principles, organization, and administration of school health education, including school and community relationships (6 credit hours).

Group II

Activities, skills, and methods of teaching rhythms, games of low organization, stunts, tumbling, apparatus, recreational group activities, and elementary school activities (10 credit hours).

Group III

Activities, skills, and methods of teaching athletic sports, including basketball, baseball, track, tennis, golf, swimming, soccer, speedball, volleyball, and others commonly used in secondary school and college programs (6 credit hours).
Group IV

Methods and materials in teaching health, including evaluation and selection of health material (3 credit hours).

Group V

Health and hygiene, including personal health and living, community health, mental hygiene, social hygiene, foods and nutrition, sanitation, disease control, health counseling, athletic injuries and first aid (8 credit hours).

Group VI

Human anatomy and physiology (6 credit hours).

Group VII

Individual or adapted physical education, including creative, restricted, and therapeutic activities, their teaching and administration (2 credit hours).

Group VIII

Electives pertinent to the field, such as child growth and development; preadolescent, adolescent, and adult psychology, camping and outdoor education, safety education, driver education and training, and others (6 credit hours).

PHYSICS

Mr. Smith, Chairman; Mr. Howe, Mr. Wheeler

MAJOR IN PHYSICS

The major sequence in Physics consists of courses 111, 112, 211, 212, with 12 additional hours in courses numbered higher than 300. Students who expect to major in the physical sciences are advised to take at least Physics 111, 112, 211, 212. A student preparing for graduate work should elect courses 311, 312, 313, 314, and 344. An engineering student should take the 211-212 laboratory, and will find 431-432 useful. The sequence 111-112 with 113-114 will satisfy the Physics requirements for students expecting to enter medicine or dentistry.
111. GENERAL PHYSICS
Staff. 3
Lecture demonstrations and recitations covering the more important principles of mechanics and heat. Prerequisite: one year of high school Physics or consent of instructor; Mathematics 121 or Core Course 40 a should accompany or precede this course.

112. GENERAL PHYSICS
Staff. 3
(Continuation of 111.) Electricity, magnetism, light, wave motion, and sound. Prerequisites: 111, and Mathematics 121 or Core Course 40 a.

113-114. GENERAL PHYSICS LABORATORY
Mr. Howe, Mr. Wheeler. 2
Primarily for students in Art, pre-medicine, and pre-law. May be taken only in combination with or following 111-112.

200. FLIGHT TRAINING
Mr. Carson, Mr. Singer. 1
Dual and solo flight instruction leading to the CAA private pilot's license. (For full details see separate bulletin on Flight Training.) Maximum cost and deposit $450.

201. FLIGHT TRAINING
Mr. Howe. 2
Basic ground school course for pilot training.

211. LABORATORY PHYSICS
Mr. Wheeler. 3
Exercises in the laboratory in study of mechanics, molecular physics, and heat, designed for Engineering and Science students. Prerequisites: 111-112, and Core Course 40 a, Mathematics 116 or 121-122.

212. LABORATORY PHYSICS
Mr. Wheeler. 3
Continuation of 211. The more fundamental experiments in sound, light, magnetism, and electricity. Prerequisite: 211.

311. ELECTRICAL MEASUREMENTS
Mr. Howe. 3
A secondary laboratory course in which the theory and practice of precise methods of electrical measurement are presented. The theoretical course to accompany this is 313. Prerequisites: 211-212 and The Calculus.

312. LIGHT
Mr. Smith. 3
A secondary laboratory course dealing with experiments in geometric optics, diffraction, interference, polarization, and some practice with a spectrograph. Course 314 normally accompanies this course. Prerequisites: 211-212 and The Calculus.
313. MAGNETISM AND ELECTRICITY
Mr. Smith. 3
A secondary course dealing with fundamental laws of electric and magnetic fields, steady currents, electromagnetic induction, D.C. and A.C. circuits. Vector methods are introduced and used. Laboratory course 311 is recommended as an accompanying course. Prerequisites: 211-212 and The Calculus. (Offered in 1968-68 and in alternate years.)

314. GEOMETRIC AND PHYSICAL OPTICS
Mr. Smith. 3
A secondary course presenting the fundamental theorems of geometric optics and the theory of refraction, diffraction, interference and polarization of light. Physics 312 parallels this in the laboratory. Prerequisites: 211-212 and The Calculus. (Offered in 1952-53 and in alternate years).

333. KINETIC THEORY AND THERMODYNAMICS
Mr. Smith. 3
Lecture course presenting selected topics of the kinetic theory of gases, the derivation of equations of state, and the laws of thermodynamics with implications and applications. Prerequisites: 211-212 and The Calculus. (Offered in 1951-52.)

334. MODERN PHYSICS
Mr. Smith. 3
This course introduces the conduction of electricity through gases, the elementary particles of physics, the structure of matter, radiation, radioactivity and nuclear physics. Prerequisites: 211-212 and The Calculus. (Offered in 1951-52.)

344. THERMIONICS AND ITS APPLICATIONS
Mr. Howe. 4
Laboratory and class work presenting fundamental ideas of thermionic emission and its application in vacuum tubes with their salient characteristics: electronic circuits in common practice in radio and telephone. Prerequisites: 211-212 and The Calculus, or consent of instructor.

361-362. DIRECTED STUDY IN PHYSICS
Staff. 3

431-432. ELEMENTS OF ELECTRICAL ENGINEERING
Mr. Smith. 4
Lecture and laboratory course presenting the general theory of direct and alternating current circuits and machinery. Prerequisites: 211-212, and Mathematics 221-222.

441-442. ADVANCED LABORATORY AND SPECIAL PROBLEMS
Staff. 2 or 3
Consent of instructor.

461-462. INDIVIDUAL WORK FOR HONORS
Staff. 3
PSYCHOLOGY

Mr. Lichtenstein, Chairman; Mr. Clark, Mr. Dixon, Mr. Carter, Mr. Gawain

MAJOR IN PSYCHOLOGY

A major in Psychology requires a minimum of 26 hours in Psychology including courses 315-316, 342, 411, 412, and 440-441. A major is also required to take Mathematics 203, Philosophy 326, and Core Courses 40 b and 51-52.

A student contemplating graduate work in Psychology should obtain a reading knowledge of at least one foreign language, preferably French or German. He should also take Core Course 40 a, Mathematics 116, Physics 111, 112, and 113-114.

*Psychology 211 is prerequisite to all other credit courses in the department.*

91. VOCATIONAL INFORMATION

Vocational testing, readings, discussions, and counseling designed to aid the individual student to work constructively toward a sound vocational decision.

93. PLACEMENT TECHNIQUES

Discussion of techniques of job hunting and placement interviewing.

211. GENERAL PSYCHOLOGY

Introduction to the general nature and principles of behavior. (Offered each semester.)

217. DEVELOPMENTAL PSYCHOLOGY

Psychological development especially during early periods of growth. (Offered each semester.)

226. PROBLEMS IN PERSONALITY

Motivations of man with emphasis upon behaviors requisite for adequate living. (Offered each semester.)

315-316. EXPERIMENTAL PSYCHOLOGY

Experimental approach to human behavior emphasizing experimental design and research. Prerequisite: Mathematics 203.

320. PERSONNEL PSYCHOLOGY

A consideration of the psychological principles and procedures in effective personnel management, with special reference to business and industry.
338. SOCIAL PSYCHOLOGY  Mr. Clark.  3
   Individual behavior as it is influenced by cultural forces.

342. PSYCHOLOGICAL TESTS AND MEASUREMENTS  Mr. Carter.  3
   Theory and application of individual and group testing.

345-346. MINOR PROBLEMS  Staff.  2 or 3
   Independent work on selected topics under the guidance of staff
   members. Consent of instructor.

411. ABNORMAL PSYCHOLOGY  Mr. Lichtenstein.  4
   Psychopathology: Its development, course, and treatment with
   emphasis upon prevention and cure. Prerequisite: 226.

412. SYSTEMATIC PSYCHOLOGY  Mr. Lichtenstein.  3
   A study of the schools of psychological thought and theory. Pre-
   requisite: 315-316.

417. INDUSTRIAL PSYCHOLOGY  Mr. Clark.  3
   Psychological principles and methods as they contribute to the
   solution of industrial problems. Prerequisites: 320, 342; Mathematics 203.

420. INDUSTRIAL COUNSELING  Mr. Clark.  3
   Psychological principles and techniques of personnel counseling
   in employee adjustment and industrial relations.

440-441. ADVANCED GENERAL PSYCHOLOGY  Mr. Lichtenstein.  2
   Designed to integrate the student's knowledge of psychology.

445-446. MINOR PROBLEMS  Staff.  2 or 3
   Independent work on selected topics under the guidance of staff
   members. Consent of instructor.

461-462. INDIVIDUAL WORK FOR HONORS  Staff.  3

RELIGION

   Mr. Holbrook, Chairman

Religion courses are suitable for cultural orientation and as preparation for pre-ministerial students.
MAJOR IN RELIGION

Among the 24 semester-hours of credit for a major in this department 111, 112, 213, 214, and 401-402 are required.

111. INTRODUCTION TO HEBREW RELIGION
Orientation to the study of the Bible: The history of the Hebrew people to 200 B.C.; the record of their religious and ethical insights as found in the Old Testament.

112. THE RISE OF CHRISTIANITY
The origins of the Christian movement as found in the New Testament; the life and thought of the early church. Continuation of 111.

118. THE LIFE AND TEACHINGS OF JESUS
A detailed study of Jesus' life, thought, and significance based on the four gospels.

213. HISTORY OF CHRISTIAN THOUGHT AND ACTION
A survey of the western development of Christianity from the apostolic church to the Protestant Reformation; attention to the genesis of Christian opinion on war, peace, the state, family, property, etc.; biographical data on prominent personalities.

214. HISTORY OF CHRISTIAN THOUGHT AND ACTION
From the Protestant Reformation to the Twentieth Century. Continuation of 213.

217. THE FAITHS OF MANKIND
Theories of the origin of religion; examination of the major religions of the world other than Judaism and Christianity.

218. CONTEMPORARY RELIGIOUS MOVEMENTS
A survey of the principal religious cults in the United States. Opportunity whenever possible for experience with the groups studied.

301. THE BASES OF CHRISTIAN ETHICS
A critical study of the fundamentals of Christian morality as represented primarily in contemporary Christian authors. 213, 214 recommended. (Offered in 1950-51.)
306. RELIGION AND SCIENCE 3
A study of the impact of certain scientific viewpoints upon modern religious values; readings from scientists and theologians. (Offered in 1950-51.)

361-362. DIRECTED STUDY IN RELIGION 3

401-402. PHILOSOPHY OF RELIGION 3
A two-semester course dealing critically with the nature and existence of God, religious knowledge, the nature and destiny of man as interpreted by Thomism, Kantianism, Personalism, Absolute Idealism, Naturalistic Theism, and Neo-Protestantism. Prerequisites: Two semesters of Philosophy and two semesters of Religion or consent of instructor. (Offered in 1951-52.)

461-462. INDIVIDUAL WORK FOR HONORS 3

SOCIIOLOGY
Mr. Mitchell, Acting Chairman; Mr. Grossman

MAJOR IN SOCIOLOGY

The major in Sociology is designed for a student who expects to pursue graduate study in Sociology leading to a teaching or research career, as preparation for those who anticipate entering social work and government service, and for those whose interest is primarily cultural.

A major in Sociology shall earn at least 24 semester-hours and preferably 30 semester-hours of credit in Sociology, including 207, 222 and 420 and at least 18 semester-hours of credit from the following related courses: Core Course 10 b; Economics 212, 317-318, 332; Family Life 211; Geography 226; Government 211, 312; Mathematics 203; Philosophy 321, 326; and Psychology 211, 338.

A Sociology major not planning further study in this field will not be required to take 222. However, no student will be recommended to graduate school without credit in this course.

Core Course 71-72, or Sociology 207, is a prerequisite to all courses offered in the Department of Sociology and should be taken during the sophomore year.

207. FOUNDATIONS OF SOCIAL LIFE 4
Mr. Mitchell, Mr. Grossman
The study of man, of human social organization, culture, and language, emphasizing both primitive and later technology, behavior, institutions, and the dynamics of society.
208. POPULATION PROBLEMS

Mr. Gronman. 3

Population, distribution, composition, growth, and their bearing on current economic, political, and social problems.

211. CRIMINOLOGY

Mr. Mitchell. 3

A study of the phenomenon of crime in American society as to amount, the varying rates in terms of area of residence, age, social class, and occupational group, and the causes and the treatment of criminal behavior.

222. SOCIAL INVESTIGATION

Mr. Mitchell. 3

Principal methods of social research are examined; planning and conducting of a research project and the use of current techniques of collecting, analyzing, interpreting, and reporting data. Prerequisite: Mathematics 203.

307. RURAL-URBAN SOCIOLOGY

Mr. Grossman. 4

Comparative and interrelated study of rural-urban life considering the physical, institutional, social, cultural, and economic factors of modern living.

308. SOCIAL WORK

Mr. Grossman. 3

A survey course including an analysis of public administration and private agencies and a descriptive comparison of types of social work including both case and group work.

312. RACE PROBLEMS IN THE UNITED STATES

Mr. Mitchell. 4

Indians, Orientals, Negroes, and other minority groups in the United States.

THE FAMILY

Mrs. Vreeland. 3

A study of the structure of the family as an institution and its inter-relationships with other social institutions; changing economic and social functions of the family as seen in historical and cultural perspective. (See Family Life 313.)

315. COMMUNITY ORGANIZATION

Mr. Mitchell. 3

A study of natural and interest groupings within the community; methods of analyzing communities and the problems of community organization; the formation and analysis of programs for making effective community services and institutions.

361-362. DIRECTED STUDY IN SOCIOLOGY

Staff.

Credit earned will be determined by departmental evaluation.
415. HUMAN RELATIONS IN INDUSTRY  Mr. Duffy.  3
A study of the organization and characteristics of modern industrial societies; of the effects of technology on industrial environments; of the behavior of formal and informal groups in industry. The methodology of social research for analyzing and resolving group tensions in industry.

416. SOCIOLOGICAL THEORIES  Mr. Holloway.  3
A survey of the more important literature of theoretical sociology, comparing the work of major systematic sociologists from Comte to the present. Open only to majors, or by consent of instructor.

420. SEMINAR  Mr. Mitchell.  3
Advanced study of special problems suggested by courses already taken. Open only to majors.

461-462. INDIVIDUAL WORK FOR HONORS  Staff.  3

SPEECH
Mr. Crocker, Chairman; Mr. Robbins

MAJOR IN SPEECH
A student majoring in Speech shall elect a minimum of 24 hours in Speech including 225, 312, 331, and 309 or Education 339. Other courses will be suggested to conform to the needs of the individual student.

114. ORAL READING  Mr. Crocker.  3
Continuation of Core Course 10 c, credit in which counts toward a major in Speech. Not open to students who have received credit in Theatre Arts 114.

131. REMEDIAL SPEECH  Mr. Robbins.  1-2
Individual instruction for the correction of speech disorders, or for students seriously deficient in articulation, enunciation, and pronunciation. Individual need will determine the nature of this work. Credit hours assigned to determine study load and fees. Does not count as credit toward graduation.

212. ELEMENTS OF SPEECH  Mr. Crocker, Mr. Robbins.  3
Continuation of Core Course 10 b, credit in which counts toward a major in Speech.
219. INTERCOLLEGIATE DEBATING

Mr. Crocker. 1-2

The questions to be used in the intercollegiate debates will be studied and members of the men’s and women’s teams will be chosen from this class. Freshmen are organized into a separate class meeting one hour a week. A total of six hours in debating may be counted toward graduation.

220. DISCUSSION AND DEBATE

Mr. Crocker. 3

How to lead and take part in group discussions. Parliamentary law, conferences, discussion, argumentation.

221. BUSINESS AND PROFESSIONAL SPEAKING

Mr. Crocker. 3

Advanced public speaking. Prepared speeches appropriate to business and professional life. Consent of instructor.

225. INTRODUCTION TO RADIO

Mr. Robbins. 3

The history of radio development; a study of the structure of broadcasting; comparative study of broadcasting practices in other countries; the objectives of radio as a social force and cultural influence; and the analysis of existing programs aimed toward the development of acceptable standards for radio. Prerequisite: Core Course 10 b or equivalent.

226. RADIO WORKSHOP

Mr. Robbins. 3

Comprehensive lecture-laboratory course covering the basic techniques of radio acting, writing, announcing, and directing. Prerequisite: 225 and consent of instructor.

227. RADIO PRODUCTION PROCEDURES

Mr. Robbins. 3

Lecture-laboratory course in the production of complex program types; study of production problems, techniques, and procedure, acoustical and electrical distortion, and the development of sound patterns. Prerequisite: 226 and consent of instructor.

228. ADVANCED PRODUCTION PROCEDURES

Mr. Robbins. 3

Study of music, variety, and complex dramatic program types. Continuation of 227. Prerequisite: 227 and consent of instructor.

229. CONTEMPORARY RADIO

Mr. Robbins. 2

During spring vacation a trip to the four major radio networks in New York will be made to observe station operation, studio arrangements, the production of various types of programs from rehearsal through performance, and the production of television programs. Study of network operational policies and procedure precede the trip; a written report of the trip is required. Estimated cost of trip, exclusive of tuition, $75 to $100. Consent of instructor.
309. SEMINAR IN SPEECH   Staff. 2
Readings and reports in the six areas of speech. (Offered in 1951-52.)

312. RHETORICAL THEORY   Mr. Crocker. 2
Historical and critical survey of the principal theories of speech composition and delivery from Aristotle to the present time, with special emphasis on the classical period.

331. VOICE AND SPEECH IMPROVEMENT   Mr. Robbins. 3
The relation of speech to mental hygiene; an introduction to phonetics and to the study of speech disorders; types, characteristics, diagnosis, and theories of treatment. Prerequisites: 12 hours of Speech and/or Theatre Arts. (Offered in alternate years beginning in 1951-52.)

361-362. DIRECTED STUDY IN SPEECH OR RADIO   Staff. 3

461-462. INDIVIDUAL WORK FOR HONORS   Staff. 3

THE TEACHING OF SPEECH (See Education 339; offered in 1950-51.)

THEATRE ARTS

Mr. Wright, Chairman; Mr. Brasmer, Mr. Johnson, Mrs. Johnson

MAJOR IN THEATRE ARTS

A student majoring in Theatre Arts shall elect 28 to 32 semester-hours. Among the courses should be 215-216, 323-324, 326, and 415-416 with additional hours in other courses representing acting, technical or theory, and criticism. Recommended courses in allied fields are English 321-322, 329, and 330; Greek 201, and such other courses as the Department feels the individual student may need.

114. ADVANCED DRAMATIC INTERPRETATION   Mr. Wright, Mr. Brasmer. 3
An elective to follow Core Course 10 d. This course counts as credit for a major in Theatre Arts, and places emphasis on developing an individual platform personality and the building of a repertoire. Offered second semester only. Not open for credit to students who have received credit in Speech 114.
<table>
<thead>
<tr>
<th>COURSES OF STUDY</th>
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<tbody>
<tr>
<td><strong>215-216. INTRODUCTION TO THE THEATRE</strong> Staff. 3</td>
</tr>
<tr>
<td>Basic course in all phases of theatre production. Designed for non-majors but first course for majors. Make-up, scene-construction, lighting, properties, costuming, theatre management, and basic principles of acting and direction. University Theatre as laboratory. (Both semesters required for credit.)</td>
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<tr>
<td><strong>224. STAGE LIGHTING</strong> Mr. Johnson. 2</td>
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<tr>
<td>Theory and practice in the proper use of lights in present day theatre.</td>
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<tr>
<td><strong>225. CONTEMPORARY THEATRE</strong> Mr. Wright. 2</td>
</tr>
<tr>
<td>Attendance at outstanding productions in New York during spring vacation, preceded by study of contemporary productions and followed by a written report of the productions seen. Estimated cost of trip, exclusive of tuition, $90 to $100. Consent of instructor.</td>
</tr>
<tr>
<td><strong>227-228. ACTING FOR BEGINNERS</strong> Mr. Brasmer. 2</td>
</tr>
<tr>
<td>Acting experience in class work and studio productions. Emphasis on stage principles, traditions and character-creation, emotional interpretation, and projection. (Offered in 1950-51.)</td>
</tr>
<tr>
<td><strong>229-230. ADVANCED ACTING</strong> Mr. Wright, Mr. Brasmer. 2</td>
</tr>
<tr>
<td>Work in all types of acting with emphasis on varsity production. Consent of instructor.</td>
</tr>
<tr>
<td><strong>235. CHILDREN'S THEATRE</strong> Mrs. Johnson. 2-3</td>
</tr>
<tr>
<td>Specialized work in preparation and presentation of a play for children by adults. Consent of instructor.</td>
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<tr>
<td><strong>301. MINOR TECHNICAL PROBLEMS</strong> Mr. Johnson. 2-6</td>
</tr>
<tr>
<td>Open to non-majors who show special talent in stagecraft, lighting, design, make-up, costuming, or allied technical problems. May be taken as credit through participation in Denison Summer Theatre. Consent of instructor.</td>
</tr>
<tr>
<td><strong>323-324. THEATRE HISTORY</strong> Mr. Brasmer. 3</td>
</tr>
<tr>
<td>Survey of World Theatre from Greeks to the present, exclusive of America (first semester, alternates with 326); survey of Theatre and Film in America from beginnings to present (second semester, offered every year); emphasizes influences cultural, social, and political as well as personalities and methods of production.</td>
</tr>
<tr>
<td><strong>326. THEORY OF THE THEATRE</strong> Mr. Wright. 3</td>
</tr>
<tr>
<td>The analysis and comparison of dramatic theories from Aristotle</td>
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</tbody>
</table>
to the present with emphasis on present trends of stage and motion pictures. Prerequisite: 12 hours of Theatre Arts. (Offered in 1950-51.)

361-362. DIRECTED STUDY IN THEATRE ARTS

401. MAJOR TECHNICAL PROBLEMS

Open to Theatre majors whose special talent in lighting, direction, costuming, acting, playwriting, dramatic interpretation or such projects as may be necessary to complete a well-rounded background in their major field. May be taken as credit through participation in Denison Summer Theatre. Consent of instructor.

415-416. PLAY DIRECTION

Theory and practical work in direction. Each student is responsible for selection, casting, rehearsing, and production of one-acts or longer plays presented in the Studio Theatre. Prompt Book for three-act play for extra hour credit. Prerequisite: 15 hours of Theatre Arts and consent of instructor.

461-462. INDIVIDUAL WORK FOR HONORS
CONSERVATORY OF MUSIC

FACULTY

KARL H. ESCHMAN, Ph.B., A.M., F.A.G.O.
Director of the Conservatory
Professor of Music
Graduate of Denison in piano and organ; graduate student, Harvard 1911-12, under Walter R. Spalding and Edward Burlingame Hill; 1912-13, under Hugo Kaun and Victor Heinze, Berlin; under Erwin Stein, Egon Wellesz and others, University of Vienna, 1929-30; under Walter Piston, Harvard, 1942; member of the faculty, Ohio State and Northwestern summer sessions, 1926-29 and 1935 to date. Fellow of American Guild of Organists.

SAM GELFER
Instructor in Music
VIOLIN
Pupil of Henry Schradieck, Theodore Spiering, Alois Trnka, and Joseph Achron in violin and of Frederick B. Stivens and R. H. Miles in theory; Juilliard School of Music, Chamber Music with Felix Salmond.

BRAYTON STARK, Mus.B., A.M., F.A.G.O.
University Organist
Associate Professor of Music
ORGAN AND THEORY
Graduate of Guilmant Organ School; post-graduate work at Eastman School of Music; theory with T. Tertius Noble and organ with Joseph Bonnet, organist of Cathedral of St. Eustache, Paris; director of music at Christ Church, Corning, N. Y.; Fellow of American Guild of Organists. B.Mus., Denison; A.B., Denison; A.M., Harvard.

SUE HAURY, A.B.
Assistant Professor of Music
PIANO
Graduate of Peabody Conservatory; graduate student at New England Conservatory; fellowship at Juilliard Graduate School; A.B., 113
Denison; pupil of Olga Samaroff, Rudolf Ganz, Ernest Hutcheson, and Carl Friedberg in piano. Instructor, Occidental College, Los Angeles, Calif.

HERMAN LARSON, A.B.
Assistant Professor of Music
VOICE

Graduate of Augustana College, Sioux Falls, South Dakota, 1933; Graduate student, American Conservatory of Music, Chicago, 1933-37, voice with Theodore Harrison and theory with Leo Sowerby and Jeanne Boyd; instructor, Valparaiso University, Valparaiso, Indiana, 1935-36, and Joliet Conservatory of Music, Joliet, Illinois, 1936-37; Associate Professor, University of Oklahoma, 1937-44.

C. PAUL OXLEY, B. MUS. Ed.
Instructor in Music Education and Wind Instruments
INSTRUMENTAL MUSIC

Graduate of Northwestern University School of Music; graduate student at Northwestern University; student at American University, Biarritz, France, Spring of 1946; pupil of Ernie Passaja and Jerry Cimera, trombone; T. D. Weisner, trumpet; Traugott Rohner, wind and string instruments. Staff artist (trombone) with American Broadcasting Company Orchestra, and National Broadcasting Company Orchestra, Chicago.

JEAN KING POLLOCK, B.A., M.Ed.
Instructor in Music (first semester, 1950-51)
ORGAN

Graduate of Wellesley College; post-graduate study and degree, Rhode Island College of Education; graduate study, Wellesley College, Brown University, and Harvard University. Assistant in music department and chapel organist, Wellesley College.
AUDUN RAVNAN  
Instructor in Music  
Piano  

Student at Bergen Conservatory of Music, Norway; Riefling Institute of Piano, Oslo, Norway; special student, Northwestern University; pupil of Ivar Johnsen and Louis Crowder. Instructor, Bergen Conservatory of Music, and Preparatory Department, Northwestern University.

MARGARET GRIFFITH GROSSMAN, A.B.  
Instructor in Music  
Voice  

MUSIC CURRICULUM

THEORETICAL STUDIES

Courses in the theory and history of music will be found listed in detail under the Department of Music in the regular list of college courses in the catalog. (See page 91.)

APPLIED STUDIES

Proficiency in one department of Applied Music is a requirement for graduation. To obtain the Conservatory Diploma the student must appear in a public recital near the end of his senior year. If he chooses to substitute normal study for the recital and shows evidence of ability to teach his major subject, he will receive a Conservatory Certificate.

The student who selects violin, voice, violoncello, etc., as his major must take piano as a minor subject until he is able to play piano music of the third grade of difficulty.

The number of years required to complete the work in any applied study depends entirely upon the student's ability and previous training. Examinations at intervals will be given to the student to ascertain his standing. In general, these examinations consist of technical demonstrations, the performance of prepared compositions from memory, and the playing of one selection prepared without the aid of the teacher.

PIANOFORTE

It is the aim of the department to study and to meet the individual needs of each student. In accordance with this policy, the department accepts a student for private lessons only.

Especial attention is paid to the laying of careful foundations in technical work. Modern principles of relaxation and of good tone production are emphasized. Facility and velocity are sought, but artistic interpretation is even more desirable. This is, of course, impossible of attainment without an adequate technique.

The student's attention is called to the problems underlying program-making, and his knowledge of piano literature is supplemented by theoretical work.

For junior standing in this department, a student must play all major and minor scales in three speeds; scales of double thirds, fourths, and octaves, and arpeggios of all triads, diminished and
dominant sevenths; Bach’s three-part inventions, a Haydn sonata, compositions by Schubert, Mendelssohn, and others.

For senior standing, a student must achieve greater speed and facility in all technical work. Other requirements are scales in double sixths, fugues from the *Well-Tempered Clavichord*, a Beethoven sonata, and compositions by Schubert, Chopin, and more modern composers.

**VOICE**

Since correct placement is the aim of all vocal instruction, the teacher seeks to determine the student’s normal range and to perfect the even quality of tones throughout that range. Other factors stressed are correct control of the breathing, diction, and enunciation. The vocal student is required to study a modern foreign language in order to cultivate vocal diction in more than one idiom. He is also required to study the piano and is advised to begin this study early in his course.

Vocal instruction will be directed toward the problems peculiar to the voice, and to song interpretation, to rhythm, and to phrasing. The song literature of all schools, lieder, arias, ballads, and art songs are used.

The student in voice is urged to participate in the University chorus, and to study solfeggio and elementary theory.

For junior standing in this department, a student must show proficiency in vocalization from the first books of Concone, Lamperti, Marchesi, Sieber, Vaccai, or similar works. He must also demonstrate satisfactory enunciation and range in songs of moderate difficulty in English.

For senior standing, a student must show proficiency in advanced vocalization and in arias from opera and in oratorio in other languages.

For those who wish an introduction to singing, class lessons may be arranged (Voice Class, one hour credit). A student is accepted for private lessons at any stage of advancement.

**ORGAN**

Study of the piano is a prerequisite for the study of the organ. Whether or not the student has fulfilled this requirement is determined by the instructor. The department reserves the right to require more piano study.
Because the acquisition of a smooth legato style at the organ is the objective, the music for advanced study is selected from those composers who are especially idiomatic—Bach, Mendelssohn, Rheinberger, Guilmant, and others. Both concert and church music are studied.

For junior standing in this department, the student must pass examinations which will require him to play a composition previously studied; to play a selection prepared without the aid of the teacher; to play at sight a simple trio for two manuals and pedal; to play pedal scales (major or minor) of two notes at 120 mm.; to transpose at sight a passage in four-part harmony into keys not more than one tone higher or lower, and to play simple modulations.

For senior standing, the student must play a composition previously studied and a selection prepared without the teacher's help. In addition, he must play at sight a more difficult trio, must play pedal scales (major and minor) of four notes at 84 mm., and also arpeggios. He must also transpose at sight a passage in four-part harmony into keys not more than a major third higher or lower and must play modulations into remote keys.

VIOLIN AND VIOLONCELLO

Those entering violin and violoncello playing for the first time will find especial attention paid to matters of position, bowing, and fingering. From the start, production of good tone with clear intonation is emphasized.

More advanced pupils are introduced to a wide range of literature. Ensemble playing is encouraged. Any student sufficiently advanced has the opportunity of playing in the University orchestra.

The aim is for a broad musicianship and a high plane of artistic conception and interpretation.

For junior standing, the student must pass examinations in Violin based upon technical studies by Mazas (Opus 86), Kreutzer, or Fiorillo, and compositions by DeBeriot, Vieuxtemps, Viotti, Rode, and Haydn.

For senior standing, he may expect to be examined on the Twenty-four Caprices of Rode, DeBeriot's L'Ecole Transcendante and concertos by Spohr, Mozart, and Nardini, together with sonatas by Mozart and Beethoven.
Those playing wind instruments for the first time will be taught to build a good embouchure and helped to acquire a good tone, good articulation, and the control necessary for good phrasing. More advanced pupils will be introduced to a wide range of literature for their particular instrument, and for junior and senior standing will be examined on material comparable in difficulty to that required by other departments.

MUSICAL ORGANIZATIONS

THE A CAPPELLA CHOIR of mixed voices sings at student convocations and on various other programs, including a home concert each year.

THE BAND is organized as the Marching Band during the football season, appearing at home games and making several trips to out-of-town games. During the winter and spring the Concert Band rehearses and appears in one or more concerts.

THE CHORAL ENSEMBLE has sung Handel's Messiah at the Christmas season annually since 1905, and other choral works in the annual Spring Festival. In recent years 250 or more voices have sung Verdi's Manzoni Requiem and La Traviata, Bach's Passion According to St. Matthew, Gluck's Orpheus, Schubert's Mass in E flat Major, Bizet's Carmen, and Mozart's Requiem.

ENSEMBLE work in string and piano classes is offered for students sufficiently advanced.

THE MEN'S GLEE CLUB with 80 years of tradition behind it is in frequent demand for various short programs. The club appears on radio programs, gives several home concerts each year, and takes an annual spring trip for a series of concerts away from Granville.

THE DENISON ORCHESTRA affords students the opportunity of playing in a spring concert and in both music festivals. Members are also invited to play in the Licking County Symphony Orchestra.

THE WOMEN'S GLEE CLUB, which was first formed about 50 years ago, appears in programs in and near Granville, presents at least two concerts annually, and usually makes a spring concert tour to several Ohio cities.
DOANE ADMINISTRATION BUILDING

BOARD OF TRUSTEES

OFFICERS OF THE BOARD
FRANKLIN G. SMITH, LL.D., Honorary Chairman
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BURT T. HODGES, B.S., M.A., Secretary and Treasurer

MEMBERS

Ex-Officio
Acting President CYRIL F. RICHARDS, B.D., A.M., L.H.D.

CLASS I—TERM EXPIRES JUNE, 1951

*ERNEST C. BRELSFORD, B.S., (Elected by Alumni)
   2683 Ashley Road, Shaker Heights, Ohio

WILLIAM R. BURWELL, A.B., A.M., Ph.D.
   3311 Perkins Avenue, Cleveland 14, Ohio

*Alumnus of Denison University

121
*EUGENE EXMAN, Ph.B., A.M., (Elected by Alumni)
Harper and Brothers, 49 East 33rd Street, New York, 16, N. Y.

*WALTER L. FLORE, B.Litt., LL.B.
1122 Guardian Building, Cleveland 14, Ohio

LEONA D. HENDRSON (Mrs. Warren J.)
22239 Shaker Boulevard, Cleveland 22, Ohio

*ALICE MCCANN JAMES (Mrs. H. A.), A.B.
Box 703, Route 8, Courville Road, Toledo 12, Ohio

*MERRILL R. MONTGOMERY, B.S.
74 Granville Road, Newark, Ohio

*C. EARL RICHARDS, Ph.B., S.B. 400 South Front Street, Columbus, Ohio
CHARLES LYON SEASHOLE, A.B., B.D., D.D.
First Baptist Church, Dayton 2, Ohio

*HENRY S. STOUT, B.S.
25 North Main Street, Dayton 1, Ohio

*DEXTER J. TIGHT, B.S.
301 Mission Street, San Francisco, Calif.

LEROY A. WILSON, B.S., D.Eng.
195 Broadway, New York, N. Y.

CLASS II—TERM EXPIRES JUNE, 1952

*M. FOREST ASHBrook, Ph.B., B.D., D.D. (Elected by Alumni)
12 Roxbury Road, Scarsdale, N. Y.

EARL J. BUSH
4401 West 26th Street, Chicago 23, Ill.

*CHARLES W. DEEDS, B.S., M.B.A.
750 Main Street, Hartford, Conn.

CYRUS S. EATON, A.B., C.D.L., 2000 Terminal Tower, Cleveland 13, O.

*WILLIAM P. HUFFMAN, B.S.
P.O. Box 883, Dayton, Ohio

CHARLES GLEN KING, B.S., Ph.D.
The Nutrition Foundation, Inc.
Chrysler Building, New York 17, N. Y.

*HOWARD LEWIS, A.B., LL.B.
1633 Nicholas Building, Toledo 4, Ohio

* Alumnus of Denison University
George C. McConnaughey, Ph.B., LL.B. (Elected by Alumni)  
2776 Redding Road, Columbus 12, Ohio

Franklin G. Smith, LL.D. 5401 Hamilton Avenue, Cleveland 14, Ohio

Frank Flagg Taylor  
Continental Illinois National Bank and Trust Co.,  
231 South LaSalle Street, Chicago, Ill.

*Ford R. Weber, B.S.  
237 Spitzer Building, Toledo 4, Ohio

CLASS III—TERM EXPIRES JUNE, 1953

*Gerald B. Atthey, B.S. (Elected by Alumni)  
3347 North Lake Drive, Milwaukee 11, Wis.

Edmund G. Burke  
153 Pierrepont Street, Brooklyn 2, N.Y.

*Lorena Woodrow Burke (Mrs. Charles F.), Ph.B.  
375 Riverside Drive, New York, N.Y.

*Alfred M. Colby, Ph.B.  
781 Woodland Road, Mansfield, Ohio

Frederick C. Crawford, A.B., M.C.E., D.Eng., LL.D.  
28655 Euclid Avenue, Cleveland 17, Ohio

*Albert W. Davison, B.S., M.A., Ph.D., Sc.D.  
1199 Moundview Avenue, Newark, Ohio

*Edward A. Deeds, B.S., D.Eng. 20 Exchange Place, New York, N.Y.

*George M. Rouderush, Ph.B., LL.B.  
915 Williamson Building, Cleveland 14, Ohio

*G. Herbert Shorney, B.S.  
5707 West Lake Street, Chicago 44, Ill.

*Don E. Weaver, Ph.B. (Elected by Alumni)  
Columbus Citizen, Columbus 15, Ohio

*Percy L. Wiltsee, A.B.  
3547 Raymar Drive, Cincinnati 8, Ohio

31 Nassau Street, New York, N.Y.

TRUSTEES—EMERITUS

*Frank B. Amos, A.B., 1934-1950  
The Jeffersonian Company, Cambridge, Ohio

Lewis R. Zollars, 1912-1948  
R.F.D. 1, Hills and Dales, Canton, Ohio

*Alumnus of Denison University
# FACULTY OF THE COLLEGE

1950-51

**Cyril Fuller Richards, Acting President and Dean of the College**

(Arranged in order of seniority within each rank)

## PROFESSORS

<table>
<thead>
<tr>
<th>Name</th>
<th>Status</th>
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<tbody>
<tr>
<td>Willis A. Chamberlin</td>
<td>(Emeritus)</td>
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<tr>
<td>Forbes B. Wiley</td>
<td>(Emeritus)</td>
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<tr>
<td>Thomas A. Lewis</td>
<td>(Emeritus)</td>
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<tr>
<td>Frederick G. Detweiler</td>
<td>(Emeritus)</td>
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<tr>
<td>Frank James Wright</td>
<td>(Emeritus)</td>
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<td>Frederick W. Stewart</td>
<td>(Emeritus)</td>
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<td>Walter J. Livingston</td>
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<td>Karl H. Eschman</td>
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<td>Lindley Richard Dean</td>
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<td>Arthur Ward Lindsey</td>
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<td>Joseph Leonard King</td>
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<td>Helen A. Barr</td>
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<td>E. Basil Hawes</td>
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<td>Leon E. Smith</td>
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<td>Harold H. Titus</td>
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<td>Lionel G. Crocker</td>
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<td>William T. Utter</td>
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<td>Leland J. Gordon</td>
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<td>Esther F. Vreeland</td>
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<td>Conrad E. Ronneberg</td>
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<td>Edward A. Wright</td>
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<td>Horace King</td>
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<td>Irving E. Mitchell</td>
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<td>Chosaburo Kato</td>
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<td>Maylon H. Hepp</td>
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## ASSOCIATE PROFESSORS

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<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Anna B. Peckham</td>
<td>(Emeritus)</td>
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<tr>
<td>Eri J. Shumaker</td>
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<td>W. Alfred Everhart</td>
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<td>Edson C. Rupp</td>
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<td>George D. Morgan</td>
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<td>Sidney Jenkins</td>
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<td>Brayton Stark</td>
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<td>Danner Lee Mahood</td>
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<td>Walter T. Secor</td>
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<td>Morton B. Stratton</td>
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<td>Edward M. Collins</td>
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<td>Vernon H. Holloway</td>
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<td>Richard H. Howe</td>
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<td>Wyndham M. Southgate</td>
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<td>Clyde A. Holbrook</td>
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<td>Parker E. Lichtenstein</td>
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<td>Henry J. Skipp</td>
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<td>Ellenor O. Shannon</td>
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<td>Robert E. Dixon</td>
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<td>Marion Wetzel</td>
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</tbody>
</table>

**Natalie Shepard**

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ASSISTANT PROFESSORS

ALMA B. SKINNER (Emeritus)
A. COLLINS LADNER
C. LESLIE MAJOR
HERMAN W. LARSON
RUTH KOERBER
CECIL R. FETTERS
LENTIEL H. DOWNS
SUE HAUHY
LYDIA HOLM
NORMAN H. POLLOCK, Jr.
HARRY V. TRUMAN
K. DALE ARCHIBALD

ROBERT J. ROBBINS
RICHARD H. MAHRAD
JACK R. CARL
MERLIN M. EIKENBERRY
JOHN F. DUFFY
WILLIAM L. SWARTZBAUGH
ROBERT S. CARTER
LELAND C. LEHMAN
SAMUEL C. WHEELER
TRISTRAM P. COFFIN
PAUL E. NELSON
JAMES C. TRAYNHAM

INSTRUCTORS

SAM GELFER
E. CLARK MORROW
AMY C. TURNELL
O. MCNEILL ARNOLD
DOROTHY CARPENTER
NANCY ELOISE LEWIS
MARY KATHRYN SELBY
PAUL L. BENNETT
JAY D. COOK, Jr.
WILLIAM O. BRASMER, Jr.
SAMUEL D. SCHAFF
CHARLES W. FREEMAN
BARBARA LEE
FRED L. PRESTON
CHARLES W. STEELE

ROBERT SEAGER II
GAIL R. NORRIS
GORDON R. GLABE
JOHN H. JOHNSON
C. BRUCE GROSSMAN
DAVID W. LATTIMER
G. WALLACE CHESSMAN
JAY STEWART, Jr.
GARY C. V. GAWAIN
EDWARD C. ATWOOD, Jr.
C. PAUL OXLEY
MILAN D. BARNES
AUDUN RAVNAN
VIRGINIA C. NORTHROP
COURTNEY B. LAWSON

JEAN K. POLLOCK

PART-TIME INSTRUCTORS

CHARLOTTE F. WEEKS
PATRICIA FLECK

JOHN W. ALFORD
MARGARET G. GROSSMAN

CHARLOTTE HARMAN

ASSISTANTS

JEANNE B. JOHNSON

RUTH M. TAYLOR

ADMINISTRATIVE MEMBERS WITH FACULTY STATUS

DOROTHY V. N. BROOKS
FRANCIS C. BAYLEY
DONALD R. FITCH
LOIS E. ENGLEMAN
MARY RUTH B. GROGAN

ALFRED J. JOHNSON
ALLAN M. DEWEY
RUSSEL H. WILLIAMS
BURTON W. DUNFIELD
JOHN L. BJELKE
THE FACULTY

Cyril F. Richards, 1937—Acting President and Dean of the College
B.S., Linfield; B.D., Colgate-Rochester; A.M., Manitoba; L.H.D., Linfield.

* * *

(Arranged in alphabetical order, year indicating date of joining Denison staff)

John W. Alford, 1949—Part-time Instructor in Economics
A.B., DePauw.

K. Dale Archibald, 1948—Assistant Professor of Biological Sciences
B.A., Denison; M.A., Ohio State; B.D., Colgate-Rochester.

O. McNeill Arnold, 1946—Instructor in English
A.B., Denison; M.A., Columbia.

Edward C. Atwood, Jr., 1950—Instructor in Economics
A.B., Princeton; M.A., Princeton.

Milan D. Barnes, 1950—Instructor in Modern Languages
B.A., Hobart; M.F.S., Maryland.

†Helen A. Barr, 1924—Professor of Physical Education
A.B., Wisconsin; A.M., Wisconsin.

Francis C. Bayley, 1946—Dean of Men
A.B., Dickinson; B.D., Drew; Ph.D., Columbia.

Paul L. Bennett, 1947—Instructor in English

John L. Bjelke, 1925—Executive Secretary, Denison Society of the Alumni
Ph.B., Denison; M.A., Columbia.

William O. Brasmer, Jr., 1948—Instructor in Theatre Arts
B.S., Northwestern; M.A., Northwestern.

Dorothy V. N. Brooks, 1943—Dean of Women
A.B., Illinois; A.M., Clark; Ed.D., Columbia.

Jack R. Carl, 1949—Assistant Professor of Physical Education
A.B., Denison; M.S., Indiana.

*Absent on leave, 1950-51
DOROTHY CARPENTER, 1946—
A.B., Ashland; M.A., Michigan.

ROBERT S. CARTER, 1949—
Assistant Professor of Psychology
B.S., Bucknell; M.S., Bucknell; Ph.D., New York U.

WILLIS A. CHAMBERLIN, 1891-1937—
Professor Emeritus of Modern Languages

G. WALLACE CHESSMAN, 1950—
Instructor in History

WESTON R. CLARK, 1949—
Professor of Psychology
B.S., Utah; A.M., George Washington; Ph.D., George Washington.

TRISTRAM P. COFFIN, 1949—
Assistant Professor of English
B.S., Haverford; M.A., Pennsylvania; Ph.D., Pennsylvania.

EDWARD M. COLLINS, 1948—
Associate Professor of Physical Sciences
B.S., Princeton; A.M., Princeton; Ph.D., Princeton.

JAY D. COOK, JR., 1948—
Instructor in Economics

LIONEL G. CROCKER, 1928—
Professor of Speech
A.B., Michigan; A.M., Michigan; Ph.D., Michigan.

LINDLEY RICHARD DEAN, 1921—
Eliam E. Barney Professor of Classical Languages
A.B., Dartmouth; A.M., Princeton; Ph.D., Princeton.

FREDERICK G. DETWEILER, 1917-1949—
Professor Emeritus of Sociology
A.B., Denison; B.D., Colgate-Rochester; Ph.D., Chicago.

ALLAN M. DEWEY, 1943—
Bursar
A.B., Denison.

ROBERT E. DIXON, 1946—
Associate Professor of Psychology
A.B., Oberlin; A.M., Oberlin; Ph.D., Ohio State.

†LENTHIEL H. DOWNS, 1947—
Assistant Professor of English
B.A., Tusculum; M.A., Iowa; Ph.D., Iowa.

JOHN F. DUFFY, 1949—
Assistant Professor of Social Studies
B.A., California; M.A., California; B.D., San Francisco Theological Seminary.

†Absent on leave, 1950-51
<table>
<thead>
<tr>
<th>Name</th>
<th>Title/Position</th>
<th>Education</th>
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<tbody>
<tr>
<td>Burton W. Dunfield, 1950-</td>
<td>Director of Admissions</td>
<td>B.S., Bates</td>
</tr>
<tr>
<td>Merlin M. Eikenberry, 1949</td>
<td>Assistant Professor of Physical Education</td>
<td>B.S., Manchester; M.S., Indiana; Dir. Phys. Ed., Indiana</td>
</tr>
<tr>
<td>Lois E. Engleman, 1948-</td>
<td>Librarian</td>
<td>B.A., James Millikin; B.S. in L.S., Western Reserve; M.S., Columbia</td>
</tr>
<tr>
<td>Karl H. Eschman, 1913-</td>
<td>Jessie King Wiltsee Professor of Music</td>
<td>Ph.B., Denison; A.M., Harvard</td>
</tr>
<tr>
<td>W. Alfred Everhart, 1920-</td>
<td>Associate Professor of Chemistry</td>
<td>A.B., Miami; M.S., Lehigh; Ph.D., Ohio State</td>
</tr>
<tr>
<td>Cecil R. Fetters, 1947-</td>
<td>Assistant Professor of Chemistry</td>
<td>A.B., Bethany; M.S., Chicago</td>
</tr>
<tr>
<td>Donald R. Fitch, 1924-</td>
<td>Registrar</td>
<td>Ph.B., Denison; M.S., Denison</td>
</tr>
<tr>
<td>Patricia Fleck, 1948-</td>
<td>Part-time Instructor in Art</td>
<td>A.B., Denison</td>
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<tr>
<td>Charles W. Freeman, 1948-</td>
<td>Instructor in Government</td>
<td>A.B., Ohio Northern; M.A., Cincinnati</td>
</tr>
<tr>
<td>Gary C. V. Gawain, 1950-</td>
<td>Instructor in Psychology</td>
<td>A.B., Bucknell; M.A., Bucknell; Ph.D., Pennsylvania State</td>
</tr>
<tr>
<td>Sam Gelfer, 1925-</td>
<td>Instructor in Violin</td>
<td></td>
</tr>
<tr>
<td>Gordon R. Glabe, 1949-</td>
<td>Instructor in Mathematics</td>
<td>A.B., Rochester, Minn., Junior College; B.S., Minnesota; M.A., Minnesota</td>
</tr>
<tr>
<td>Leland J. Gordon, 1931-</td>
<td>Professor of Economics</td>
<td>B.S., Pennsylvania; A.M., Pennsylvania; Ph.D., Pennsylvania</td>
</tr>
<tr>
<td>Mary Ruth B. Grogan, 1929-</td>
<td>Assistant Librarian</td>
<td>A.B., Indiana; B.S. in L.S., Columbia</td>
</tr>
<tr>
<td>C. Bruce Grossman, 1948-</td>
<td>Instructor in Sociology</td>
<td>Ph.B., Carroll; M.S., Western Reserve</td>
</tr>
<tr>
<td>Margaret G. Grossman, 1948-</td>
<td>Part-time Instructor in Music</td>
<td>A.B., Carroll</td>
</tr>
</tbody>
</table>

†Absent on sabbatical leave first semester, 1950-51
THE FACULTY

CHARLOTTE HARMAN, 1950—Part-time Instructor in Art Education
B.S. in Ed., Ohio State.

SUE HAURY, 1928—Assistant Professor of Music
A.B., Denison.

E. BASIL HAWES, 1923—Professor of Education
Ph.G., Starling Medical College; B.S., Ohio State; M.S., Ohio State.

MAYLON H. HEPP, 1946—Professor of Philosophy
A.B., Oberlin; M.A., Oberlin; Ph.D., Brown.

CLYDE A. HOLBROOK, 1949—Associate Professor and Chairman of Religion
A.B., Bates; B.D., Colgate-Rochester; Ph.D., Yale.

VERNON H. HOLLOWAY, 1948—Associate Professor of Religion and Philosophy
B.A., Ohio Wesleyan; B.D., Yale; Ph.D., Yale.

LYDIA HOLM, 1948—Assistant Professor of Modern Languages
B.A., Sioux Falls; M.A., Iowa; Ph.D., Iowa.

RICHARD H. HOWE, 1920—Associate Professor of Physics
B.S., Denison; M.S., Denison.

SIDNEY JENKINS, 1920—Associate Professor of Physical Education
B.S., Denison; A.M., Ohio State.

ALFRED J. JOHNSON, 1928—Assistant in Charge of Children's Theatre
A.B., George Washington.

JEANNE B. JOHNSON, 1949—Instructor in Theatre Arts
A.B., George Washington; M.F.A., Fordham.

CHOSABURO KATO, 1928—Benjamin Barney Professor of Mathematics
B.S., Denison; M.S., Chicago; Ph.D., Ohio State.

HORACE KING, 1931—Professor of Art
A.B., Ohio State; A.M., Ohio State.

JOSEPH L. KING, 1924—Lorena Woodrow Burke Professor of English
A.B., Richmond; A.M., Columbia; Ph.D., Columbia.

RUTH KOERBER, 1947—Assistant Professor of Modern Languages
Diploma, University of Berlin; M.A., Nebraska; Ph.D., Northwestern.

§Absent on sabbatical leave second semester, 1960-61
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<tr>
<th>Name</th>
<th>Years</th>
<th>Position</th>
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<tr>
<td>A. Collins Ladner</td>
<td>1928</td>
<td>Assistant Professor of Mathematics and Engineering</td>
<td>A.B., Brown; A.M., Brown</td>
</tr>
<tr>
<td>Herman W. Larson</td>
<td>1944</td>
<td>Assistant Professor of Music</td>
<td>A.B., Augustana</td>
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<tr>
<td>David W. Lattimer</td>
<td>1950</td>
<td>Instructor in History</td>
<td>B.A., Ohio State; M.A., Ohio State</td>
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<tr>
<td>Courtney B. Lawson</td>
<td>1950</td>
<td>Instructor in English</td>
<td>B.A., Alfred; M.A., Chicago</td>
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<tr>
<td>Barbara Lee</td>
<td>1948</td>
<td>Instructor in Art</td>
<td>B.F.A., Wayne; M.A., Wayne</td>
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<tr>
<td>Leland C. Lehman</td>
<td>1949</td>
<td>Assistant Professor of Economics</td>
<td>A.B., Bluffton; M.A., Ohio State</td>
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<tr>
<td>Nancy Eloise Lewis</td>
<td>1946</td>
<td>Instructor in English</td>
<td>A.B., Denison; M.A., Duke</td>
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<tr>
<td>Thomas A. Lewis</td>
<td>1914-1943</td>
<td>Professor Emeritus of Psychology</td>
<td>A.B., William Jewell; Ph.D., Johns Hopkins</td>
</tr>
<tr>
<td>Parker E. Lichtenstein</td>
<td>1949</td>
<td>Associate Professor and Chairman of Psychology</td>
<td>B.S., Massachusetts; M.S., Massachusetts; Ph.D., Indiana</td>
</tr>
<tr>
<td>Richard H. Mahard</td>
<td>1941</td>
<td>Associate Professor and Chairman of Geology and Geography</td>
<td>A.B., Michigan; M.A., Columbia; Ph.D., Columbia</td>
</tr>
<tr>
<td>Danner Lee Mahood</td>
<td>1927</td>
<td>Associate Professor of English</td>
<td>B.S., Davidson; M.S., Virginia</td>
</tr>
<tr>
<td>C. Leslie Major</td>
<td>1931</td>
<td>Assistant Professor of Education</td>
<td>A.B., William and Mary; A.M., William and Mary</td>
</tr>
<tr>
<td>Irving E. Mitchell</td>
<td>1949</td>
<td>Professor and Acting Chairman of Sociology</td>
<td>A.B., Gordon; M.A., New Hampshire</td>
</tr>
<tr>
<td>George D. Morgan</td>
<td>1927</td>
<td>Associate Professor of Biological Sciences</td>
<td>B.S., Denison; M.S., Pittsburgh; Ph.D., Ohio State</td>
</tr>
</tbody>
</table>
E. Clark Morrow, 1935—
A.B., Denison; L.L.B., Western Reserve.

Paul E. Nelson, Jr., 1950—
B.A., Oberlin; M.A., American; Ph.D., Iowa State College.

Gail R. Norris, 1949—
B.S.Ed., Ohio U.; M.S., Ohio State.

Virginia C. Northrop, 1950—
B.A., William Smith.

C. Paul Oxley, 1950—

Anna B. Peckham, 1900-1937—
Associate Professor Emeritus of Mathematics

Jean K. Pollock, 1950—
B.A., Wellesley; M.Ed., Rhode Island College of Education.

Norman H. Pollock, Jr., 1948—
Assistant Professor of History

Fred L. Preston, 1949—
Instructor in Modern Languages

Audun Ravn, 1950—
Instructor in Music

Robert J. Robbins, 1948—
Assistant Professor of Speech
A.B., Denver; M.A., Northwestern.

Conrad E. Ronneberg, 1946—
Professor of Chemistry
B.A., Lawrence; M.S., Massachusetts Institute of Technology; Ph.D., Chicago.

Edson C. Rupp, 1919—
Associate Professor of Mathematics
Ph.B., Denison; M.S., Denison.

Samuel D. Schaff, 1948—
Instructor in Education
A.B., Denison; M.A., Ohio State.

Robert Seager II, 1949—
Instructor in History
A.B., Rutgers; A.M., Columbia.

Walter T. Secor, 1940—
Associate Professor and Chairman of Modern Languages
A.B., Grinnell; A.M., Columbia; Ph.D., Columbia.

*First semester only, 1950-51*
MARY KATHRYN SELBY, 1947— Instructor in Modern Languages
B.A., Ohio State; B.S.Ed., Ohio State; M.A., Ohio State.

ELLENOR O. SHANNON, 1936— Associate Professor of English
A.B., Tulane; A.M., Columbia.

NATALIE M. SHEPARD, 1950— Associate Professor and Chairman of Physical Education for Women
B.S., Alfred; M.A., Columbia.

ELI J. SHUMAKER, 1916— Associate Professor of English
A.B., Denison; A.M., Denison; Ph.D., Ohio State.

ALMA B. SKINNER, 1920-1940— Assistant Professor Emeritus of Modern Languages
Ph.B., Denison; A.M., Columbia.

†HENRY J. SKIPP, 1934— Associate Professor of Modern Languages
A.B., Denison; A.M., Columbia.

LEON E. SMITH, 1928— Henry Chisholm Professor of Physics
B.S., Ottawa; Ph.D., Pennsylvania.

WYNDHAM M. SOUTHGATE, 1946— Associate Professor of History

†BRAYTON STARK, 1927— Associate Professor of Music

CHARLES W. STEELE, 1949— Instructor in Modern Languages
A.B., Missouri; M.A., California.

CEPHUS L. STEPHENS, 1949— Professor of Government
B.S., Ohio State; M.A., Ohio State; Ph.D., Ohio State.

FREDERICK W. STEWART, 1924-1949— Professor Emeritus of Religion
A.B., Rochester; A.M., Rochester; B.D., Colgate-Rochester.

‡JAY STEWART, JR., 1950— Instructor in Chemistry
A.B., Kansas; M.A., Kansas.

‡MORTON B. STRATTON, 1943— Associate Professor of History
A.B., Tufts; A.M., Pennsylvania; Ph. D., Pennsylvania.

WILLIAM L. SWARTZBAUGH, 1949— Assistant Professor of Sociology
B.A., Dartmouth; B.D., Yale.

RUTH M. TAYLOR, 1949— Assistant in Physical Education

†Absent on sabbatical leave first semester, 1950-51
‡First semester only, 1950-51
‡Absent on sabbatical leave, 1950-51
HAROLD H. TITUS, 1928—
Maria Theresa Barney Professor of Philosophy
A.B., Acadia; B.D., Colgate-Rochester; Ph.D., Chicago.

JAMES G. TRAYNHAM, 1950—
Assistant Professor of Chemistry
B.S., North Carolina; Ph.D., Northwestern.

HARRY V. TRUMAN, 1948—
Assistant Professor of Biological Sciences
A.B., Ohio Wesleyan; A.M., Western Reserve; Ph.D., Wisconsin.

AMY C. TURNELL, 1945—
Instructor in Physical Education
B.S., Illinois; A.M., Iowa.

WILLIAM T. UTTER, 1929—
Alumni Professor of History
B.S., Northwestern Missouri State Teachers; A.M., Chicago; Ph.D., Chicago.

ESTHER F. VREELAND, 1946—
Professor of Sociology and Director of Family Life
A.B., Alma; M.A., Michigan.

CHARLOTTE F. WEEKS, 1944—
Counselor
A.B., Denison; M.A., Columbia.

MARION WETZEL, 1946—
Associate Professor of Mathematics
A.B., Cornell College; M.A., Northwestern; Ph.D., Northwestern.

SAMUEL C. WHEELER, 1948—
Assistant Professor of Physics
A.B., Miami; M.S., Illinois.

FORBES B. WILEY, 1910-1950—
Professor Emeritus of Mathematics
A.B., Kalamazoo; A.B., Chicago; Ph.D., Chicago; D.Sc., Kalamazoo.

RUSSEL H. WILLIAMS, 1926—
Instructor in Hygiene and University Health Officer
B.S., Denison; M.D., Ohio State.

EDWARD A. WRIGHT, 1937—
Professor of Theatre Arts
A.B., Iowa; A.M., Iowa.

FRANK J. WRIGHT, 1924-1949—
Professor Emeritus of Geology
A.B., Bridgewater; A.M., Virginia; Ph.D., Columbia; LL.D., Bridgewater.
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Treasurer
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Dean of Women
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Personnel Records Secretary
Dean of Men
Secretary
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Secretary
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Executive Assistant, Society of Alumni Secretary

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Ruth Hopkins, Assoc. Litt., R.N.
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Hilda Kneller, R.N.
Physician Nurse Staff Nurse Staff Nurse

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Director of Forensics Director of Radio Activities

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Jeanne B. Johnson, A.B.
Director of Dramatics Associate Director Technical Director

†Executive Secretary after Feb. 1, 1951
†Absent on leave first semester only, 1950-51
†First semester only, 1950-51

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Director of Christian Emphasis Program Secretary

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NORTH SIDE
John Brauning '38, Glen Ellyn

WEST SUBURBAN
Owen Price '18, Chicago

SOUTH SIDE
Stanley Drews '32, Detroit, Mich.

DETOIT
Charles Bogman '41, Bridgeville, Penna.

PITTSBURGH
William Chirm '47, New Providence, N.J.

NEW YORK
Kathryn Young Smith '40, Indianapolis, Ind.

INDIANAPOLIS
William Meredith '18, Springfield, Penna.

PHILADELPHIA
Colin Crocket '38, Rochester, N. Y.

ROCHESTER
Clinton A. Neyman '11, Los Angeles

SOUTHERN CALIFORNIA

WASHINGTON, D. C.

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Ernest C. Brelsford '24, Shaker Heights; Eugene Exman '22, Scarsdale, N.Y.; M. Forest Ashbrook '21, Scarsdale, N.Y.; George C. McConnaughey '18, Columbus, O.; Gerald B. Athey '17, Milwaukee, Wis., and Don E. Weaver '24, Columbus, O.
<table>
<thead>
<tr>
<th>Name</th>
<th>City, State</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abbe, Nancy Joanne, Fr</td>
<td>Indianapolis, Ind.</td>
</tr>
<tr>
<td>Abberger, Roger, So.</td>
<td>Eggertsville, N. Y.</td>
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<td>Adams, Roger, Fr.</td>
<td>Warren</td>
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<td>Addis, Sally, So.</td>
<td>Hinsdale, Ill.</td>
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<td>Addy, Donald J., Sr.</td>
<td>Detroit, Mich.</td>
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<td>Adeeberger, Sally, Fr.</td>
<td>Dayton</td>
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<td>Ahtor, Sue, Sr.</td>
<td>Warren</td>
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<td>Akin, Rosemary, Fr.</td>
<td>Lancaster</td>
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<td>Albaugh, Joyce, Sr.</td>
<td>Harrison Park, N. J.</td>
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<td>Alexander, Barbara, So.</td>
<td>Deerfield, Ill.</td>
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<td>Allen, Roger, Fr.</td>
<td>Eggertsville, N. Y.</td>
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<td>Alls, Roger, Fr.</td>
<td>Melrose, Mass.</td>
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<tr>
<td>Alt, Donald L., So.</td>
<td>Celina</td>
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<tr>
<td>Altmeier, Dorothy, So.</td>
<td>Oak Park, Ill.</td>
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<tr>
<td>Altvater, Joy, Fr.</td>
<td>Cincinnati</td>
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<td>Amble, Kim, Jr.</td>
<td>Oslo, Norway</td>
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<td>Ames, John W., So.</td>
<td>River Forest, Ill.</td>
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<td>Amner, Lucy, Sr.</td>
<td>Kent</td>
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<td>Amos, Robert W., Fr.</td>
<td>Clementon, N. J.</td>
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<td>Anderson, Gary H., Fr.</td>
<td>Jamestown, N. Y.</td>
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<td>Antle, Phyllis, Jr.</td>
<td>Miami, Fla.</td>
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<td>Armbricht, Joanne, Sr.</td>
<td>Wheeling, W. Va.</td>
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<td>Armstrong, William Y., Jr.</td>
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<td>Alt, Donald L., So.</td>
<td>Celina</td>
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<tr>
<td>Alexander, Barbara, Sn.</td>
<td>Lima</td>
</tr>
</tbody>
</table>
Crawley, Peety, Jr. — Aurora, Ill.
Creager, Thomas A., So. — Dayton
Cree, Ann, Fr. — Cleveland
Crippen, Miriam, Jr. — Corning, N. Y.
Cross, Lawrence, So. — Granville
Cron, James G., Fr. — Milwaukee, Wis.
Crook, David H., So. — Lancaster
Crock, Jane, So. — Toledo
Crosby, John F., So. — Youngstown
Crosby, Marilyn, Sr. — Cleveland Heights
Crowley, Mary Lou, Jr. — Oak Park, Ill.
Crossland, Elizabeth, Sr. — Zanesville
Crossland, Mary, Fr. — Zanesville
Crowley, Peggy, Jr. — Aurora, Ill.
Curry, Charles W., Fr. — Homer, Mich.
Cuddy, Nan, Jr. — Novelty
Cuddy, Nan, Jr. — Novelty
Cunningham, George M., Sr. — Stockton, Calif.
Cunningham, William F., Jr. — Hammondspurt, N. Y.
Curry, Charles W., Fr. — Homer, Mich.
Curry, Frederic K. W., Fr. — Pittsburgh, Pa.
Curtis, Millicent, So. — Kewanee, Ill.
Cutler, Janet, Jr. — Shaker Heights
Daganhardt, Donn S., Sr. — Piqua
Dalby, Thomas E., So. — Dearborn, Mich.
Dake, Hartzell L., Jr. — Washington, D. C.
Dales, George M., Sr. — Pomeroy
Daniels, Rollin M., So. — Pomeroy
Dannecker, Don E., Sr. — Shaker Heights
Danner, Alicia, So. — Wilmette, Ill.
Danneker, Charles E., Fr. — Chicago, Ill.
Davies, Dorothy, Fr. — Cleveland Heights
Davis, George R., So. — Cleveland Heights
Davis, Jo Anne, Sr. — Cleveland Heights
Davis, Louise, Jr. — Chagrin Falls
Davis, Tom E., Fr. — Cleveland Heights
Davis, Virginia, So. — Binghamton, N. Y.
Dawson, My W., So. — Columbus
Dean, Robert, Jr. — Rochester, N. Y.
Deedrick, Stephen S., Jr. — Mt. Vernon
Dean, Donald S., So. — Westfield, N. J.
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Duroe, Thomas A., Fr. — Ashland
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Euchem, Marian, Jr. — Rochester, N. Y.
Eshelman, Nancy, Fr. — Circleville
Evans, Beverly, Jr. — Ravenna
Evans, Nancy, So. — Columbus
Evans, Patricia, Fr. — Shaker Heights
Evans, Thelma Jeanie, Sr. — Carnegie, Pa.
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Faulkner, Gery, Fr. — Findlay, Ohio
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Feller, Edward A., Jr. — Findlay, Ohio
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Fellbaum, Don, Sr. — Findlay
Felton, Edward C., Jr. — Needham, Mass.
Fenwick, Jane, Jr. — Cleveland Heights
Ferenbaugh, Helen, Jr. — Columbus
<table>
<thead>
<tr>
<th>Name</th>
<th>City</th>
<th>State</th>
</tr>
</thead>
<tbody>
<tr>
<td>Granfield, Geraldine, So.</td>
<td>Sandusky</td>
<td></td>
</tr>
<tr>
<td>Grant, John A., So.</td>
<td>Plattsburg, N. Y.</td>
<td></td>
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<tr>
<td>Greene, Robert J., So.</td>
<td>Demarest, N. J.</td>
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<tr>
<td>Greene, Tom H., Jr.</td>
<td>Columbus</td>
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<td>Evanston, Ill.</td>
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**STUDENT ENROLLMENT**

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<tr>
<th>Name</th>
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<td>Jaquith, Elizabeth, Sr</td>
<td>Roslyn Heights, L. I., N. Y.</td>
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Meyer, Todd, Jr., Fr. Shaker Heights, Ohio.
Michel, Margaret, Fr. Pittsburgh, Pa.
Miles, Devitt C., Fr. Hastings-on-Hudson, N.Y.
Miles, Susan, Fr. Wapakoneta, Ohio.
Miller, Barbara, Fr. Harvey, Ill.
Miller, Betty Anne, Fr. Columbus, Ohio.
Miller, Edward H., Jr. Springfield, Ill.
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Miller, Marlene, Fr. Chicago, Ill.
Miller, William E., Sr. Dobbs Ferry, N.Y.
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Miller, Theodore, Fr. New York, N.Y.
Miller, William E., So. Xenia, Ohio.
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Mitchell, Patricia, Fr. Columbus, Ohio.
Monson, Jane, Sr. Rocky River Heights, Cleveland, Ohio.
Moore, Jamie W., Sr. Salisbury, N.C.
Moore, Janet, Fr. Oak Park, Ill.
Moore, Jerry D., Fr. Thomas, Ky.
Moore, William W., Sr. Youngstown, Ohio.
More, F. Fred, Jr. Wilmiins, N.C.
Moreland, Hugh J., Jr. Snyder, N.Y.
Morita, Ethel, Jr. Honolulu, T.H.
Morong, Joyce, Sr. Highland, N.J.
Morris, Mary Jean, Fr. Oak Park, Ill.
Morrison, Louise, Fr. Ashtabula, Ohio.
Morrison, William S., Fr. Toledo, Ohio.
Morrow, John W., Jr. Bellefontaine, Ohio.
Morse, Warren H., Sr. Shaker Heights, Ohio.
Moyer, Ann, Jr. Bridgetown, Ohio.
Mueller, Barbara, So. Milwaukee, Wis.
Mullan, George E., So. Rochester, N.Y.
Munro, Herbert H., Sr. Carport Lake, Mich.
Murphy, Clayton W., Fr. Chicago, Ill.
Murray, Laurel H., So. Shaker Heights, Ohio.
Murray, Patricia, So. Tarrytown, N.Y.
Nagel, Helen, So. Pelham Manor, N.Y.
Naramore, Douglas W., Sr. Cleveland Heights, Ohio.
Nauman, Dorothy, Fr. Martins Ferry, Ohio.
Neal, Maryella, Fr. Searcy, Ark.
Neils, Esther, Jr. East Liverpool, Ohio.
Newell, James R., Jr. Toledo, Ohio.
Newell, Richard N., Fr. Toledo, Ohio.
Newkirk, James L., Sr. Cleveland Heights, Ohio.
Newton, John C., Fr. Columbus, Ohio.
Nielson, Carol, So. Chicago, Ill.
Nill, David L., Jr. Cincinnati, Ohio.
Nisbet, Mary, So. Freeport, Ill.
Noss, Endrik, So. Granville, Ohio.
Nolle, Harold A., Sr. Hanover, Pa.
Nussbaum, Nancy, So. Marion, Ohio.
Nutting, David J., So. Winnetka, Ill.
Nuzum, Gretchen F., Jr. Janesville, Wis.
Oakman, Patricia, So. Detroit, Mich.
Oberhelman, Jack H., So. Oak Park, Ill.
O'Dell, Clarence G., So.

OLDFIELD, Margaret, Jr. River Forest, Ill.
Olaf, Suuanced, Fred, Jr. Shaker Heights, Ohio.
Oliver, Warren E., Jr. Springfield, Ill.
Olney, Dorothy, Fr. Waltham, Mass.
Olsen, Charles W., So. Chicago, Ill.
Owens, Lorraine, M., Jr. Waterford, Ill.
Optekar, Patricia, Jr. Pittsburgh, Pa.
Osmond, Elizabeth, Jr. Guyahoga Falls, Ohio.
O'Rourke, Henry C., Jr. Dayton, Ohio.
Osborn, Marjorie, Jr. Evanston, Ill.
Osborn, Shirley, Jr. Shaker Heights, Ohio.
Osvald, Marie, So. Maplewood, N.J.
Ottis, Kwazi, So.

Pacheco, Guillermo, Jr. La Paz, Bolivia.
Packer, Marjorie, Jr. Granville, Ohio.
Padelford, Grace, Jr. Winchester, Mass.
Page, Nancy, So. Parma, Ohio.
Pantaleoni, Guido, Jr. New York, N.Y.
Parker, Dorothy, Sr. Ferndale, Mich.
Parsons, Rachel, So. Phoenix, Pa.
Pascall, Harold S., Jr. Dallas, Texas.
Pearson, Ronald W., Fr. Erie, Pa.
Pease, John, Jr. Cincinnati, Ohio.
Peckham, Charles W., Fr. Norwalk, Conn.
Pendleton, Kathrym, Sr. Joplin, Mo.
Pennell, Samuel H., So. Elgin, Ill.
Pepple, Royal J., Sr. Dayton, Ohio.
Peters, Barbara, So. Park Ridge, Ill.
Petersen, Carol, So. Arlington Heights, Ill.
Petersen, DuWayne J., Jr. Shaker Heights, Ohio.
Petersen, John H., Sr. Jamestown, N.Y.
Pfueger, William S., So. Akron, Ohio.
Pickett, Hugh D., So.

PIerson, Nancy, Fr.
Pitcho, Elizabeth, Jr.
Newell, James R., Jr. Toledo, Ohio.
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Newkirk, James L., Sr.
Newton, John C., Fr. Columbus, Ohio.
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Nill, David L., Jr.
Nisbet, Mary, So.
Noss, Endrik, So.
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Novak, Richard E., Jr.
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Nutting, David J., So.
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O'Neill, David, So.
Optekar, Patricia, Jr.
Osmond, Elizabeth, Jr.
O'Rourke, Henry C., Jr.
Osborn, Marjorie, Jr.
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Nuzum, Gretchen F., Jr.
Oakman, Patricia, So.
Oberhelman, Jack H., So.
O'Dell, Clarence G., So.
Prine, Lewis E., Jr.                Cleveland
Proctor, Howard, Jr.                Youngstown
Pryor, Edwin G., Sr.                Newark
Pullins, Claude A., Jr.             Clifton, N. J.
Pumphrey, Jean, Sr.                Dayton
Purcell, David W., Sr.              Frasenays
Purvey, Jean, Fr.                   Brentwood, Tenn.
Putnam, Prudence, Sr.              Holyoke, Mass.
Quar, James J., Jr.                 Lockport, N. Y.
Quinn, Howard A., Jr.               Youngstown
Radc, Jean, Sr.                    Evanston, Ill.
Rahning, Patricia, Fr.             Gambier
Ramler, Patricia, Sr.               Toledo
Ramsar, Trivia, Fr.                 Pittsburgh, Pa.
Ramsay, Thomas A., Fr.             G. Avile
Ramsdell, Robert B., Fr.           Middletown
Ramsey, Harvey B., Sr.              So. Pittsburgh, Pa.
Randolph, Walter W., Fr.           Bowling Green
Ranson, Richard G., Sr.             Louisville, Ky.
Randolph, Susan, So.                Louisville, Ky.
Raper, Stoddard S., Fr.             Columbus
Raquet, Donald R., Sr.              Independence
Ray, Ralph, Jr.                     Findlay
Rasbach, Evelyn, Fr.                Winneba, Del.
Rathbun, Shirley, Fr.               Green Springs
Raymon, Caroline, So.               East Aurora, N. Y.
Reading, Tom G., Sr.                Chagrin Falls
Redman, Donald C., So.              Maplewood, N. J.
Redman, Nancy, So.                  Columbus
Rees, Philip A., Fr.                Manitowoc, Wis.
Rees, Thomas H., Sr.                Manitowoc, Wis.
Reese, Janet, Sr.                   Shaker Heights
Reid, Bruce P., Jr.                 Milwaukee, Wis.
Reid, Robert A., So.                Shaker Heights
Reid, Robert C., So.                Milwaukee, Wis.
Reina, Maria, So.                   Cincinnati
Retnam, Robert S., So.              Millburn, N. J.
Rettig, Nancy, Sr.                  Toledo
Rice, Clark H., Fr.                Bryan
Rice, Ethelwyn, Fr.                Pelham, N. Y.
Rice, Louis C., Fr.                Cincinnati
Rice, Stanley K., Jr.               Council Bluffs, Iowa
Richard, James H., Sr.             Berwyn, Ill.
Richard, Joseph E., Sr.             Newark
Richards, Sarah, So.                Alto, Ill.
Richardson, John W., Jr.            Pittsburgh, Pa.
Rittenhouse, Margaret, So.         Rochester, N. Y.
Ritter, Doran, Sr.                  Columbus
Roach, William L., Sr.             Cincinnati
Roberts, Donald M., Jr.            Newark
Robertson, Robert L., Sr.           Newark
Robinson, Donald L., Fr.           Marysville
Robinson, Julianne, Fr.             Rocky River
Robinson, Warren E., Sr.           Jerseyville, Ill.
Rodkey, Joanne, Fr.                Warren
Rogers, Carol, So.                  Oak Park, Ill.
Rogers, H. Clyde, Jr.                Chicago, Ill.
Rogers, George A., Jr.              Columbus
Rolt-Wheeler, Patricia, So.        Granville
Roper, Joyce, Sr.                  Toledo
Rosenberger, Louis, Fr.             Shaker Heights
Ross, Harold A., So.                Shaker Heights
Rosengarten, Philip D., Jr.         Westmount, Quebec
Ross, Sylvia, Jr.                   Wyomissing, Pa.
Roudebush, Nancy, Jr.              Cincinnati
Roudebush, Thomas M., Jr.          Shaker Heights
Round, David M., Jr.                Bronzville, N. Y.
Rouse, Marcia, So.                  Port Huron, Mich.
Roush, S. James, Fr.                Pittsburgh, Pa.
Rowe, Jean, Jr.                    Oak Park, Ill.
Rowe, Harold B., Jr.                Canton
Runkle, Peter, Jr.                  Zanesville
Russell, Barbara, Sr.              Alliance
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Sander, Robert R., Fr.             Dover
Sanmauro, Anthony F., Sr.          Eggertsville, N. Y.
Sarber, G. Scott, Sr.              Columbus
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Savage, W. Kent, Jr.               Covington, Ky.
Schmier, Peggy, Jr.                  Chevy Chase, Md.
Schell, Katharine, Fr.              Indianapolis, Ind.
Schenk, John R., Fr.               Cleveland
Schenk, Margaret, Jr.              Linsing, Ont.
Schilling, Bruce W., Fr.            Granville
Scholfield, Zoe, Fr.                Wauaus, Wis.
Schott, Carolyn, So.               East Orange, N. J.
Schroeder, Elizabeth, So.           Chagrin Falls
Schulte, Mariene, So.               Pittsburgh, Pa.
Schwabe, Robert A., So.            Englefield
Schwarzkopf, Samuel L., So.        Granville
Scott, Mary A., Sr.                 Beves
Scott, Robert Andrew, Fr.         Minnesota
Scott, Walter D., So.               Oshkosh
Searfield, Richard C., So.         Dayton
Sevel, Sally, Fr.                   Oak Park, Ill.
Seasholt, Henry C., Jr.             Shaker Heights
Seekamp, Lois, Fr.                  Queens Village, N. Y.
Sela, Glenn E., Sr.                Rochester, N. Y.
Self, Susan, Sr.                   Western Reserve
Semeny, Robert J., Jr.             Cleveland Heights
Shackelford, Don B., Fr.            Marlemon
Shaffer, Margaret, So.             ovevan, Ill.
Shaheen, Sherryl, So.              Detroit, Mich.
Sharp, Donald E., Jr.              Chicago, Ill.
Sharp, W. Harry, Jr.                Moorstown, N. J.
Shaw, James M., Jr.                Zanesville
Sheahan, Allen J., So.        Cleveland Heights
Sheets, Joseph L., So.                Detroit, Mich.
Shelton, Jeannine, Sr.            Newton Center, Mass.
Shepler, Nancy, So.                Shaker Heights
Sherman, David G., Jr.              Columbus
Shields, Marilyn, Sr.               Shaker Heights
Shirley, Katherine, Fr.            Reisterstown, Md.
Sholes, Susan, Fr.                  Middlebury, Vt.
Shorney, George H., Sr.            River Forest, Ill.
Shorney, Martha, Sr.              River Forest, Ill.
Shorts, Martha, Jr.                Youngstown
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<td>Williamsburg, Ky.</td>
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<td>Van Deventer, Margot, Jr.</td>
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</table>
### STUDENT ENROLLMENT

#### POST-GRADUATE STUDENTS

Clark, Harry R. .... Newark  
Mentzer, Robert W. .... Granville

#### PART-TIME STUDENTS

Atwood, June (Mrs.) .... Granville  
Beattie, Anna E. .... Granville  
Biddle, H. Glenn .... Newark

Doyle, Harold E. .... Newark  
Miller, Elizabeth .... Newark  
Ravvan, Audun .... Granville

#### Non-College Students in Conservatory

Barnhouse, Kay .... Granville 
Holbrook, Richard .... Granville 
King, Sylvia .... Granville 
Poff, Brenda .... Granville 
Vaia, Lulu .... Newark

Reeder, Ellen .... Granville 
Smith, Otto .... Johnstown 
Toy, Nancy .... Granville 
Truman, Patricia .... Granville 

#### A. SUMMARY OF STUDENT ENROLLMENT

**DENISON UNIVERSITY**  
**1950-51**

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<th></th>
<th>Men</th>
<th>Women</th>
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<td>Juniors</td>
<td>141</td>
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<td>Sophomores</td>
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<td>Special</td>
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<td><strong>Total</strong></td>
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<th><strong>Part-time (college rank)</strong></th>
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<td>Veterans</td>
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*Includes work in Ensemble Music*
### Summary of Enrollment by States and Foreign Countries

#### First Semester 1950-51

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<td>Wisconsin</td>
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| Total United States   | 672 | 577   | 1,249 |
| Europe (Displaced persons) | 3   | 0     | 3     |
| Bolivia               | 1   | 0     | 1     |
| British West Africa   | 1   | 0     | 1     |
| Canada                | 2   | 1     | 3     |
| Germany               | 1   | 0     | 1     |
| Guatemala             | 1   | 0     | 1     |
| Hawaii                | 0   | 1     | 1     |
| Japan                 | 0   | 0     | 0     |
| Norway                | 1   | 0     | 1     |
| Philippine Islands    | 0   | 2     | 2     |

| Grand Total           | 682 | 582   | 1,264 |
| States represented by men only | 5   |       |       |
| States represented by women only | 6   |       |       |
| States represented by both men and women | 21  |       |       |
| Total States represented | 32  |       |       |
| Total Foreign countries represented | 12  |       |       |

| Grand Total           |       |       | 44    |
C. DEGREES CONFERRED JUNE 12, 1950

HONORARY DEGREES

VERA MICHELES DEAN, Doctor of Humane Letters
LUTHER WESLEY SMITH, Doctor of Divinity
ALBERT WATSON DAVISON, Doctor of Science
FORBES BAGLEY WILEY, Doctor of Laws

THE DEGREE OF BACHELOR OF ARTS WITH DEPARTMENTAL HONORS

LELAND CAMPBELL BROWN, Biology Observations on the Spawning Habits of the Blue-gilled Sunfish

FRANCES (GUTHRIE) DANIELS, French A Study of French Romantic Drama

NANCY LEE ECHOLS, Citizenship An Economic-Interest Group in Its Relation to Public Opinion: The American Farm Bureau Federation

DAVID BIBB FISCHBACH, Physics Study of Radiation Detectors and Construction of Geiger Counting and Scaling Circuits (in collaboration)

LELAND JAMES GORDON, JR., Economics Socialism in Great Britain and the Implications It May Hold for the United States

HELEN MARGARET KEENEN, German The Theory and Development of the German Novel with Emphasis upon Goethe and Heyse

DAVID JOHN LOY, Economics What Are Some of the Effects of Recent and Current Federal Government Policies and Practices on Venture Capital?

DIANE MARGUERITE LUX, Spanish The Characterization of Women by Selected Spanish-American Contemporary Novelists

RAYMOND KANE MCCLAIN, Music Original Compositions: A Sonata for Violin and Piano, A Suite for Three Trombones, A Piano Sonata, A String Quartet, and Seven Pieces for Recorders

JEAN MARIE MATHER, Mathematics The Mathematical Analysis and Statistical Applications of Some Tests of Significance

CALVIN KERR PRINE, History Apologia for War: Techniques of Justification in World Wars I and II

PAUL WILLIAM SCHUCH, Citizenship The Politics of Reorganization: A Study of Political Pressures Affecting Reorganization Plan No. 1 of 1949

BARBARA JEAN SIVEY, History Nationalism and Internationalism: A Comparison of the Attitudes of Dostoyevsky and Soviet Leaders

GRACE EVANGELINE SMITH, Biology A Study of the Haematoxylin–Orange G—Anilin Blue Staining Technique
EDWARD GROESBECK VOS, Biology On the Classification of the Hesperiidae

THE DEGREE OF BACHELOR OF SCIENCE WITH DEPARTMENTAL HONORS

DAVID EDWARD BROWN, JR., Biology The Adjustment of Paramecium Multimicronucleatum and Philodina Megalotrocha to Salinity (in collaboration)

JAMES ALFRED HOWENSTINE, Biology The Adjustment of Paramecium Multimicronucleatum and Philodina Megalotrocha to Salinity (in collaboration)

LLOYD EDGAR OWENS, Biology Histogenesis of the Sheath of Schwann in the Chick Embryo

ROBERT DONALD SMITH, Physics Study of Radiation Detectors and Construction of Geiger Counting and Scaling Circuits (in collaboration)

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LOUIS KUSSMAUL MEMORIAL FRIENDSHIP AWARD
Eugene Chamberlain

WOODLAND CHEMISTRY PRIZES (awarded in junior year)
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ANNIE MARY MacNEILL POETRY PRIZES
Margery Mickley, Poetry Writing
Pfeiffer Trowbridge, Robert Browning's Poetry

THE CHARLES EDWARD SILBERNAGEL MEMORIAL (pre-medical)
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THE GERTRUDE CARHARTT BRELFORD MEMORIAL SCHOLARSHIP (MUSIC)
Marilou Taggart

CORA WHITCOMB SHEPARDSON SCHOLARSHIP (ART)
Robert J. Rossi

DANIEL SHEPARDSON MEMORIAL SCHOLARSHIP (Christian Service)
Marilou Taggart

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Marilou Taggart

THE PRESSER MUSIC FOUNDATION SCHOLARSHIPS
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Virginia Vernon

RAY SANFORD STOUT ENGLISH PRIZES FOR PROSE COMPOSITION
Tom S. Cooperrider, second

SIGMA DELTA PI MEDAL FOR EXCELLENCE IN SPANISH
Janet Lodge
William Rope
Frances (Guthridge) Daniels
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GRANVILLE, OHIO

PRELIMINARY APPLICATION FOR ADMISSION

I desire to make application for admission to Denison University for__________________________

(Date of expected entrance, month and year)

Name__________________________  ____________________________  ____________________________
First       Middle       Last

Address__________________________
Number and Street

City, Zone, and State

High School or Preparatory School__________________________

Name__________________________
City and State

Date of graduation from High School__________________________
Month and Year

Approximate Scholastic Rank
in Class to Date

(My own best estimate)

Highest Quarter__________________________
Second Quarter__________________________
Third Quarter__________________________
Lowest Quarter__________________________

I agree to report promptly any change of plans which would prevent my entrance to Denison on the date indicated above. Please send me application blanks for admission to Denison.

Signed__________________________

Date__________________________

* * * * *

On account of inability to accept all students who apply for admission, preference must be given to applicants whose credits fully meet our requirements and whose recommendations are favorable.

Mail at once to the Office of Admissions, Denison University, Granville, Ohio.
(over)
APPLICANT FOR ADVANCED STANDING AS
TRANSFER STUDENT

College Attended

Address

Number of Years

Dates

Estimated Scholastic Average