Kalamazoo College
1982-83 Academic Catalog
Kalamazoo College is committed to the concept of equal rights, equal opportunities, and equal protection of the law. It administers all programs—admissions, financial aid, employment, instruction, and services—without regard to race, creed, age, sex, national origin, marital status, height, weight, veteran's status, or handicap, and implements this nondiscriminatory policy under a formal affirmative action program.
Kalamazoo College Campus

1 Nuss House
2 Blair House
3 Upjohn Library
4 Light Fine Arts Building
5 Humphrey House
6 Stowe Tennis Stadium
7 Severn Hall
8 Crissey Hall
9 Natatorium
10 L. Lee Stryker Center
11 Trowbridge House
12 Dewing Hall
13 Mandelle Hall
14 Olds-Upton Hall
15 Stetson Chapel
16 DeWaters Hall
17 Hicks Center/Welles Hall
18 Harmon Hall
19 Anderson Athletic Center
20 Maintenance
21 Hoben Hall
22 Faculty Residences
23 Angell Field/Calder Fieldhouse
(two blocks west)
# Kalamazoo College Calendar

<table>
<thead>
<tr>
<th></th>
<th>1982-83</th>
<th>1983-84 (tentative)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fall</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Special freshman program (K '86)</td>
<td>Sept. 19-25</td>
<td>Sept. 18-24</td>
</tr>
<tr>
<td>First day of classes</td>
<td>Sept. 27</td>
<td>Sept. 26</td>
</tr>
<tr>
<td>Thanksgiving reading period</td>
<td>Nov. 25-28</td>
<td>Nov. 24-27</td>
</tr>
<tr>
<td>Term ends</td>
<td>Dec. 9</td>
<td>Dec. 8</td>
</tr>
<tr>
<td><strong>Winter</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>First day of classes</td>
<td>Jan. 3</td>
<td>Jan. 9</td>
</tr>
<tr>
<td>Winter holiday (no classes)</td>
<td>Feb. 7</td>
<td>Feb. 13</td>
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<tr>
<td>Term ends</td>
<td>March 17</td>
<td>March 22</td>
</tr>
<tr>
<td><strong>Spring</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>First day of classes</td>
<td>March 28</td>
<td>April 2</td>
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<tr>
<td>Term ends</td>
<td>June 9</td>
<td>June 14</td>
</tr>
<tr>
<td>Commencement</td>
<td>June 11</td>
<td>June 16</td>
</tr>
<tr>
<td><strong>Summer</strong></td>
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</tr>
<tr>
<td>First day of classes</td>
<td>June 20</td>
<td>June 25</td>
</tr>
<tr>
<td>Term ends</td>
<td>Sept. 1</td>
<td>Sept. 7</td>
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</tbody>
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In addition to these vacation dates, the College will not be in session on Memorial Day, Independence Day, Labor Day, or Good Friday afternoon.

Note: At the end of each quarter, all students are expected to vacate the residence halls within 24 hours following their last examination. This ruling does not apply, however, to those required to remain by the nature of their campus employment or to those participating in Commencement events at the close of spring term.
# Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Information</td>
<td>7</td>
</tr>
<tr>
<td>Admissions, Expenses, Financial Assistance</td>
<td>13</td>
</tr>
<tr>
<td>Residential Living and Student Life</td>
<td>31</td>
</tr>
<tr>
<td>The Kalamazoo Plan</td>
<td>41</td>
</tr>
<tr>
<td>Academic Information</td>
<td>51</td>
</tr>
<tr>
<td>Division I: Languages and Literature</td>
<td>65</td>
</tr>
<tr>
<td>Division II: Natural Sciences and Mathematics</td>
<td>73</td>
</tr>
<tr>
<td>Division III: Humanities</td>
<td>87</td>
</tr>
<tr>
<td>Division IV: Social Sciences</td>
<td>101</td>
</tr>
<tr>
<td>Physical Education</td>
<td>125</td>
</tr>
<tr>
<td>Appendix</td>
<td>129</td>
</tr>
<tr>
<td>Index</td>
<td>139</td>
</tr>
</tbody>
</table>
General Information

Mission of the College
Historical Sketch
The Campus Setting
Major College Buildings
Constituent Groups
Accreditation and Institutional Membership
GLCA Affiliation
Mission of Kalamazoo College

The mission of Kalamazoo College is to provide an intellectually stimulating undergraduate liberal arts and pre-professional education for a small and carefully selected student body. A coherent undergraduate experience is achieved through the interweaving of a traditional liberal arts curriculum, experiential education in both domestic and international settings, and an independent research quarter. It is also expected that students will develop increasing independence as they engage in intellectual and aesthetic inquiry, discriminate among moral and ethical values, and develop a humane knowledge of self in the context of history and society.

The curriculum is further enriched by a variety of co-curricular activities, by a church-related heritage, by the residential nature of the campus, and by a system of shared governance. This distinctive combination of opportunities and expectations contributes to the development of self-reliant, mature individuals who are equipped to discharge their responsibilities as citizens and to fulfill their aspirations for both careers and further learning. The College also recognizes that learning transcends the bounds of age and physical environment, and therefore extends its educational programs to alumni and to the community.

Historical Sketch

Kalamazoo College traces its roots back to the early 19th century and to the democratic and religious spirit of that time. The College, then named the Michigan and Huron Institute, was founded in 1833 by Thomas W. Merrill, a Baptist missionary from New England, and by Michigan pioneer Caleb Eldred. It was the first institution of higher learning in Michigan. The Michigan and Huron Institute became the Kalamazoo Literary Institute in 1837, merged with the local "branch" of the University of Michigan in 1840, and finally became Kalamazoo College in 1855 when the state legislature amended the original charter and granted the trustees the power to confer degrees.

These early achievements were made during the 20-year administration (1843-63) of President J.A.B. Stone and his wife Lucinda Hinsdale Stone. They also established a theological seminary and raised the academic standards of the College.

During most of the 29-year period between 1863 and 1892, the College experienced a rapid administrative turnover. Of the seven presidents serving in this period, only one—Kendall Brooks (1868-87)—remained for more than a very brief term.

The modern development of the College began under President Arthur Gaylord Slocum (1892-1912). Endowment funds were increased, new educational facilities were added, and the College became more widely known. The presidency of Herbert Lee Stetson (1912-1922) was marked by a radical restructuring of the curriculum, the purchase of new laboratory equipment, the construction of a gymnasium, the creation of a modern library, the raising of additional endowment funds, and the strengthening of the faculty.

During President Allan Hoben's administration (1922-35) four major College buildings were built—Trowbridge House, Olds Science Hall, Mandella Library, and Stetson Chapel. Educational standards became more rigorous, and this advance continued under the leadership of Stewart Grant Cole (1936-38), Paul La-mont Thompson (1938-48), and John Scott Everton (1949-53). Six new buildings were constructed during these years.

During the presidency of Weimer K. Hicks (1953-71), the College began another period of growth and change, perhaps the most vital in its long history. Under his leadership, the curriculum was enriched, and the Kalamazoo Plan for year-round education was developed and firmly established. An outstanding faculty was attracted, and the quality of the student body was increased. Further, the College's financial structure was strengthened, and its endowment grew to more than $14,000,000. An extensive building program more than tripled the value of the physical plant.

In 1972, George N. Rainsford became Kalamazoo College's 13th president. Under his leadership, the College has con-
continued to explore new methods of teaching and learning and revitalize the link between the College and the community. Recognizing the importance of adequate facilities for interdisciplinary study in the sciences, Olds/Upton Science Hall has been remodeled and expanded to integrate the spaces and services of the departments of biology, chemistry, and physics. The Light Fine Arts Building has acquired a new thrust stage and expanded classroom and studio facilities. A new indoor athletic center with complete physical education facilities has been constructed. The Board of Trustees has been strengthened, and its members are engaging in more active participation in the College. New management and investment procedures have been instituted, and program enrichment has been substantially funded. More than $17 million was raised during the successful Funds for the Future capital gifts campaign.

The Campus Setting

Kalamazoo College’s hilltop campus of nearly 60 acres is located in a quiet residential area. The Georgian flavor of its architecture, from venerable Stetson Chapel overlooking the oak-shaded quad to the facilities in science and theatre, offers a sense of continuity with the past. The College is minutes away from the heart of the city of Kalamazoo, recognized as one of the top ten cities of its size in the nation. In green and rolling country near fertile orchards and numerous lakes, Kalamazoo’s metropolitan population of more than 200,000 enjoys an enviable quality of life.

The College maintains an active involvement with this progressive community. Among its many cultural organizations are the Kalamazoo Symphony, the Institute of Arts, the Chamber Music Society, and several theatres where varied musical and dramatic presentations often include those from national touring companies. Together with three other institutions of higher learning also located in Kalamazoo, the College makes a major contribution to an academic community where the combined 30,000 students add their special cultural and personal attributes to the city and its activities.

Major College Buildings

Angell Field (1946) occupies land purchased by the Kalamazoo Foundation, the W.E. Upjohn Estate, the Sutherland Paper Company, the Kalamazoo Stove Company, The Upjohn Company, and Charles B. Hays. The football stadium and press box, lights for night contests, and a quarter-mile track were provided by Mr. and Mrs. William R. Angell in memory of their son, Chester M. Angell.

Calder Fieldhouse (1958) was named for the donor, Louis Calder. It was enlarged in 1966 and renovated in 1981. It provides dressing rooms, storage, and modern facilities for physical therapy.

Anderson Athletic Center (1981) includes modern facilities for indoor sports (tennis, basketball, volleyball, badminton, wrestling) as well as modern locker and shower rooms for home and visiting teams. A fully-equipped weight-training room, dance studio, and physical therapy room make the athletic center one of the finest for liberal arts colleges.

Crissey Hall (1967) was the gift of O.T. (class of 1899) and W.R. Crissey in memory of their mother, Mrs. Maria Jane Williams Crissey. Patterned after Severn Hall, the residence houses 121 students.

DeWaters Hall (1964) honors Mrs. Sarah A. DeWaters (class of 1900) and accommodates 111 students.

Dewing Hall (1968), honoring Mrs. Winifred Dewing Wallace, houses ten classrooms, nine seminar rooms, faculty offices, the Career Development Center, and the language and psychology laboratories.

Harmon Hall (1947), honoring Dr. Claude M. Harmon, former trustee of the College, accommodates 122 students and houses the College Health Service.

Hoben Hall (1937), the gift of Dr. and Mrs. Enos A. DeWaters (classes of 1899 and 1900 respectively), has accommodations for 122 students.

Humphrey House, acquired by the College in 1960, serves as a faculty office building.

Light Fine Arts Building (1964), has complete facilities for the art, music, and theatre and communication arts departments. Named in honor of Dr. S. Rudolph Light and his sons, Dr. Richard U. Light
and Dr. Rudolph A. Light, the building includes several classrooms, rehearsal rooms, teaching studios, art studio laboratories, a fine arts library, exhibition and seminar rooms, a 150-capacity recital hall, and a pipe organ. It also houses Dalton Theatre (1964), a 400-seat open stage theatre named in honor of an alumna and trustee, Mrs. Dorothy Upjohn Dalton; the Dungeon Theatre, an arena stage; and Balch Playhouse (1977), the first theatre in Michigan built for a thrust stage. The 300-seat Balch Playhouse incorporates the best features of the traditional thrust stage—multiple entrances for actors, a large trap room, ample backstage space with a mechanized fly system, and a three-tiered stage—with the latest in technical facilities, including a computerized dimmer board and a four-channel sound system. Beneath this theatre are a fully-equipped costume shop, makeup and dressing rooms, rehearsal room, green room, and offices.

L. Lee Stryker Center. Formerly the President’s House, this building was remodeled in 1978 to accommodate the L. Lee Stryker Center for Management Studies and Educational Services. The Stryker Center was established through a gift from Dr. and Mrs. Homer H. Stryker in memory of their son, L. Lee Stryker, Kalamazoo business and civic leader.

MacKenzie Field (1958), used for soccer and for intramural sports, was developed from funds given by Mr. and Mrs. Clark MacKenzie.

Mandelle Hall (1930), built as a library from a gift of Mary Senter Mandelle of Connecticut, was remodeled in 1968 to serve as the administration building.

The Natatorium (1968) includes an olympic-size pool for instructional, competitive, intramural, and recreational use, with underwater lighting, a classroom, locker and shower rooms, and an outside patio.

Olds (1972) and Upton (1956) Science Halls were remodeled and expanded (1976), through gifts including a substantial grant from the Kresge Foundation, to integrate spaces and services for the departments of biology, chemistry, and physics. Olds Hall was a gift from R.E. Olds, former trustee of the College. It was later reequipped under a grant from the Herbert H. and Grace A. Dow Foundation of Midland, Michigan. Upton Hall, housing the department of biology, is a memorial to Louis C. Upton, trustee of the College.

Severn Hall (1965) honors Herman Harrison Severn, former Broadus Professor of Greek, professor of Biblical literature, and dean of the College. This residence for 114 students is made up of several units with two double rooms, two single rooms, a bath, and a living room comprising each unit.

Stetson Chapel (1932), honoring President Herbert Lee Stetson, was constructed through gifts of many students and alumni. Facilities include the Kirby Memorial Amplification Unit (1965-66), a gift of Mrs. Winifred S. Kirby in memory of her husband, Lewis H. Kirby, and parents, Mr. and Mrs. Frederick B. Stevens; and the Allan Hoben Memorial Organ.

Stowe Tennis Stadium (1946) honoring the late Dr. Allen B. Stowe, professor of chemistry and tennis coach at the College, has been the site of the USTA National Boys’ 18 and 16 Tennis Championships for the past 40 years. The 11 championship courts, built with funds contributed by citizens of Kalamazoo were resurfaced with green fibrous asphalt in 1981. Also a part of the stadium are dressing rooms, judges’ stand, pro shop, pressbox, lighting for night contests, and seating for 1500 spectators.

Trowbridge House (1926) accommodates approximately 160 student residents; a west wing (1957) houses an additional 90.

Upjohn Library (1967), with study facilities for 500 students, is the center of intellectual life on campus. The library houses approximately 237,000 carefully chosen volumes, over 900 periodicals, comprehensive bibliographic tools, and a number of special collections. Library services are provided by professionally trained personnel and student assistants. The holdings of other fine libraries in the Kalamazoo area are available to Kalamazoo College students through a cooperative agreement—among them are the libraries at Nazareth College and Western Michigan University, the Kala-
mazoo Public Library, the Upjohn Company Library. Upjohn Library also includes microform and audio-visual facilities, the College archives, and the A.M. Todd Rare Books Room. Upjohn Library is named in appreciation of the leadership that the Upjohn family, company, and employees have given the College.

Weimer K. Hicks Center (1970), located on the main quadrangle, houses many small dining areas, the bookstore, a game room, student organizational offices and meeting rooms, student lounges, facilities for commuter students, the student radio station and publication offices, a coffee house, and the Office of Student Life.

Welles Hall (1940), part of the total complex of Hicks Center, houses the large dining facilities of the College. It was built with a gift from F.R. Welles, and two wings were added in 1959.

Woodworth Baseball Field (1955), developed through a gift from Tom Woodworth, Sr., is used for baseball and field hockey.

Constituent Groups

Kalamazoo College alumni are organized into a national association having 30 chapters which meet periodically with programs from the College. The governing body, the Council, meets semiannually and is composed of the officers, the alumni-trustees (elected by alumni), class agents, and club presidents. An executive board, with a student representative, meets monthly.

The Women's Council, composed of leaders in the community, was organized in 1924 to provide assistance to women students. Its work for the College more recently has included the provision of scholarship money, the sponsorship of certain events, assistance with some of the special social affairs, establishment of the A.M. Todd Rare Books Room in the College library, and the interior decoration of some of the campus areas.

Principal donors to the College are organized into the Founders' Society (gifts of $1,000 or more annually), the President's Society ($500 to $1,000 annually), and the Associates' Society ($200 to $500 annually). With membership in these three societies go special privileges and events, including the Founders' Society annual June dinner.

Accreditation and Institutional Membership

Kalamazoo College is accredited by the North Central Association of Colleges and Secondary Schools. It is an institutional member of the American Council on Education, the American Association of Colleges for Teacher Education, the College Entrance Examination Board, and the Association of American Colleges. Women graduates of Kalamazoo College are eligible for membership in the American Association of University Women.

GLCA Affiliation

The Great Lakes Colleges Association is an association of 12 liberal arts colleges in Michigan, Indiana, and Ohio which share facilities and resources and establishes programs that no single college would likely undertake by itself. Members are Albion, Antioch, Denison, DePauw, Earlham, Hope, Kalamazoo, Kenyon, Oberlin, Ohio Wesleyan, Wabash, and Wooster.

GLCA programs include a Fine Arts Program in New York City, a Newberry Library fall quarter seminar, an urban semester in Philadelphia, a science semester at the Oak Ridge (Tennessee) National Laboratory, an Outward Bound wilderness program, and several programs in international settings. You must have a recommendation from the College to take part in any of these programs; they are not available to all students.

You may receive academic credit for GLCA programs. Additional information about these and other opportunities sponsored by the GLCA is available from the Provost's Office.
Admissions
Expenses
Financial Assistance
Admissions

Kalamazoo College seeks able students from diverse geographic, ethnic, social, and economic backgrounds—people who seek and accept a challenge. Important determinants in your admission, then, are intellectual curiosity, motivation, participation, and leadership. The final decision is made by a committee which gives careful consideration to your application, secondary school academic record, participation in student activities, recommendations, and your SAT/ACT scores. You are encouraged to submit additional information or examples of your work in addition to the minimum application requirements.

The College encourages inquiries from you early in your high school career and strongly encourages a visit to the campus.

Visit information Visits to the campus are most informative when classes are in session and can be structured around your preferences and interests. Generally, your visit will include a tour, an interview, a meal, and a class visitation. To make arrangements, write the Admissions Office or call one of its toll-free numbers (out of state: 800-253-3602; in Michigan: 800-632-5757). The Admissions Office offers a series of special Saturday programs to provide you with every opportunity to investigate the diverse aspects of the College. Participation is generally limited to assure a chance to meet and talk with faculty, students, and professional staff. Programs in 1982-83 will include:

October, 1982—Senior Visitation Day.
November, 1982—Senior Visitation Day.
December, 1982—Scholar/Athlete Day.
January, 1983—Scholar/Athlete Day.
January, 1983—Math/Science and Social Science Competitions.
March, 1983—Scholar/Athlete Day.
April, 1983—Scholar/Athlete Day.

For specific dates and reservation information, please call the Admissions Office.

Application information The admissions committee begins reviewing applications to the College early in the fall quarter. The College employs a “rolling admissions” policy (admitting qualified people until all available spaces are filled). Therefore, it is advantageous for you to apply early.

Your application to Kalamazoo College should include the following: (1) a completed application form, (2) the scores from the American Testing Program Examination (ACT) or from the College Entrance Examination Board Scholastic Aptitude Test (SAT), (3) an official transcript of your high school grades, (4) a recommendation from your high school counselor, and (5) a recommendation from a high school teacher. You are encouraged to submit additional material and recommendations in support of your application.

At the time of your application, you must include a $20 fee.

The admissions and financial aid committee, composed of faculty, students, and administrators, recommends policies for student admission and aid. If you have taken any of the national achievement tests available to college applicants, you are encouraged to submit the results to Kalamazoo College as part of your application process. Achievement tests in English composition, a modern foreign language (if you have completed one or more years of study and plan to continue with the same language in college), and a third test of your choice are encouraged. These test scores are helpful in counseling and determine your level for future courses, but are not required for enrollment. Certain departments in the College administer achievement tests for placement purposes during the fall introductory program.

Common application Kalamazoo College also participates in the Common Application Program. The College will accept a photocopy of the Common Application instead of its own application form. Common Applications are usually available from your high school guidance counselor.

High school program You should have 16 high school units for admission to
Kalamazoo College. Because high school curricula vary, other factors about your high school education will be taken into consideration, such as your academic achievement, seriousness of purpose, and future promise. A good liberal arts background usually consists of courses in English, foreign language, mathematics, history, social sciences, laboratory sciences, art, and music.

**Advanced placement** You are encouraged to apply for advanced placement if you have been a part of the formal Advanced Placement Program or have taken honors courses in high school. You should send any advanced placement test results directly to Kalamazoo College’s director of admissions. If you are awarded advanced placement credit by the College, this credit will be equal to credit earned at Kalamazoo, and you will enter the College at the level appropriate to your advanced placement credit.

**Transfer procedure** To transfer to Kalamazoo College from another college or university you should have a strong academic record at the institution you initially attended. A transfer application includes (1) a completed application form (obtained from the Admissions Office), (2) an official transcript of your college grades, and (3) an official transcript of your high school grades. At the time of application, you must include a $20 fee. You will be granted conditional credit for transfer work at the time you are admitted, final acceptance of your credit by the College will come after you have successfully completed at least one quarter at Kalamazoo College. If you are applying for financial aid at Kalamazoo College, you must submit the Transfer Student Financial Aid Transcript.

To qualify for the bachelor of arts degree as a transfer student, you must earn at least eight units at the College (not including Foreign Study and the Senior Individualized Project). You must also be in residence on campus for a minimum of three quarters. If you transfer as a senior, you are ineligible for the SIP and the College will waive that requirement for you.

If you transfer to Kalamazoo College as a sophomore, you can take full advantage of the wide range of Foreign Study program opportunities. As a junior transfer, you will find the spring quarter programs in Spain, France, and Germany to be particularly appropriate. As a transfer student, you should discuss the language requirements with your counselor and with personnel in the Foreign Study Office.

**Community college transfers** Kalamazoo College subscribes to the following statement from the Michigan Association of College Registrars and Admissions Officers:

Kalamazoo College agrees that all admissible graduates of Michigan public community colleges, which have subscribed and formally agreed to the standards of general education as part of their graduation requirements, will have met the College’s general education requirements with the following reservations:

1. Since the distributional requirements of the College are designed for a four-year program, a transfer student with an AA or AS degree will be required to earn, before graduation from the College, at least two additional units in literature and one additional unit in social sciences beyond the basic two-year requirement for his degree.
2. The student must demonstrate proficiency in a foreign language at an intermediate level (equivalent to completing a language level 420 course at Kalamazoo College).
3. The student must meet the requirement of six quarters of physical education.

Since, from time to time, the College changes its distributional requirements, these general education requirements are subject to change.

**Withdrawal** If you contemplate leaving the College at any time before you graduate, you are advised to discuss your plans with your faculty adviser and/or a member of the Office of Student Life. Before you depart, you will be asked to complete a withdrawal form, briefly indicating your reasons for leaving. If you withdraw in the middle of a quarter, it is

15
especially important that you complete this form to establish the actual date of your withdrawal. Processing an official withdrawal will facilitate early return of your tuition and any appropriate refund (see page 18). If you do not return for a quarter for which you have previously registered and thus are expected, you will be withdrawn and must apply for readmission.

Readmission To apply for readmission after you have withdrawn or been dismissed from the College, you must apply through the Office of Student Life. Your application, together with a non-refundable $15 fee, must be sent to the Office of Student Life well in advance of the quarter in which you wish to reenter the College.

International students International students should write to the director of admissions for a Preliminary Foreign Student Application. To be eligible for admission to Kalamazoo College, you must be competent in the use of the English language. All international student applicants are encouraged to take the Test of English as a Foreign Language or the Michigan Language Test.

Special students Some Kalamazoo College courses are open to special students. These special students include high school seniors who may wish to take advantage of the North Central Association approval of dual credit for College work taken by high school seniors. Write to the director of admissions if you are interested in special student status.

Guest students If you are a student in good standing at another institution, you may study at Kalamazoo College as a guest student, paying fees on a per-course basis. You may obtain an application form from the Admissions Office.
Expenses

Charges per quarter*—1982-83

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<th>Resident Student</th>
<th>Commuter</th>
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<tr>
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You cannot determine your average yearly cost at Kalamazoo College by multiplying the charges per quarter by three quarters. You pay nothing to the College for the quarter you spend off campus during Career Development. If you choose two quarters of Foreign Study, you will pay one quarter of tuition and fees at the full rate and one quarter at half rate. You will not be charged for travel to and from Europe.

If you transfer to another institution after participating in the Foreign Study program of the College, you will be charged $500 before your transcripts are released. The Board of Trustees has designated this figure as the amount which must be repaid in the event of such a transfer.

Tuition for one unit of course work is $765. If you carry two units, you are considered a full-time student and pay full tuition and fees. To qualify for graduation, all students in the four-year program must pay full tuition and fees for a minimum of 11 quarters (ten in residence plus one quarter of Foreign Study). If you do not participate in Foreign Study, you must pay full tuition and fees for a minimum of 11 quarters.

During your Senior Individualized Project off campus, you will be charged $325 per quarter on the expectation that you will utilize administrative and professional time, College facilities, etc. If, as an SIP student, you remain on campus and take regular College courses, you will be charged full tuition and fees plus regular room and board for the quarter, in addition to the SIP tuition charge.

Tuition  Tuition covers the actual cost of instruction and related educational expenses.

*The Board of Trustees reserves the right to change fees prior to the opening of any quarter.

Resident fee  The resident fee includes room, board, and costs chargeable to the resident student.

Charges are the same for all double rooms. You will be charged an additional $50 per quarter for the privilege of occupying a single room.

Miscellaneous charge  If you enroll in physical education while registered for a Career Development or SIP quarter or during an off quarter (e.g., on vacation), you will pay $765 per course for full course credit or $60 per course for each activity course.

If you register for one or more courses for full credit in a quarter, you may take a single physical education activity course at no additional charge.

Matriculation fee  When you enroll at Kalamazoo College for the first time, you will pay this fee which covers the cost of general orientation and the establishment of your permanent records.

Reentry fee  If you withdraw temporarily from the College (on leave), you will be assessed a $15 fee to reactivate your files when you return. You can make reentry arrangements with the Office of Student Life.

Late registration fee  If you register after the College's official registration period has closed, you will be charged a fee of $10 if one day late and $20 if more than one day late.

Fee deposit  As an incoming student, you will pay a fee deposit of $125. You pay this deposit after you have been offered admission and have paid your acceptance fee. The deposit reserves your place in the class, and it also serves as a room reservation fee for resident students. It is credited against your total bill for tuition and fees. For new students, the due date for the fee will be in the letter of admission received from the College. Returning students must pay the fee deposit upon notification from the Business Office.

Payment of bills  Bill will be rendered in advance, and you should make payments to the Business Office. All drafts and
checks should be made payable to Kalamazoo College.
Quarterly payments are due approximately one week prior to registration. You should pay by mail or other means at the specified dates. Bills not paid by the due date will be considered past due. You will be assessed a late charge of 1 1/2% per month on any past due bills.
You will be charged a fine of $15 if you do not pay or make arrangements to pay (including signing National Direct Student Loan promissory notes) at the Business Office by the end of the second day of the quarter.
You can make arrangements for payment of your College expenses over an extended period of time with your bank or most lending institutions.

Refunds If you withdraw from the College, all refunds are based upon the actual date on which you leave.
If you withdraw from the College within the first three weeks of a quarter, you will be entitled to one-half your tuition for the quarter unless you have been granted financial aid. If you have been awarded scholarship, it will have been given under the assumption that you will complete a full quarter's work, and it will therefore be canceled. If any refund is due, it will be calculated on the basis stated above.
If you withdraw from the College during a quarter, you will be given a refund for the cost of board (this part of the resident fee is determined annually), the refund will be equal to the cost of board for the period you will miss as a result of withdrawing. However, no refund or board expenses will be made if you withdraw during the last three weeks of a quarter.
No part of the room charge is refunded.

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<th>Special Fees</th>
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<tbody>
<tr>
<td>Special secondary school fee, per course</td>
<td>$230.00</td>
</tr>
<tr>
<td>Special student audit fee</td>
<td>100.00</td>
</tr>
<tr>
<td>Admissions processing fee (non-refundable)</td>
<td>20.00</td>
</tr>
<tr>
<td>Matriculation fee</td>
<td>40.00</td>
</tr>
<tr>
<td>Freshman orientation (on campus)</td>
<td>150.00</td>
</tr>
<tr>
<td>Freshman orientation (Land/Sea)</td>
<td>510.00</td>
</tr>
<tr>
<td>Senior Individualized Project tuition</td>
<td>325.00</td>
</tr>
<tr>
<td>Late registration fee</td>
<td></td>
</tr>
<tr>
<td>One day late</td>
<td>10.00</td>
</tr>
<tr>
<td>More than one day late</td>
<td>20.00</td>
</tr>
<tr>
<td>Late payment fee</td>
<td>15.00</td>
</tr>
<tr>
<td>Applied music fee*</td>
<td></td>
</tr>
<tr>
<td>Tuition per quarter (This includes a one-half hour private lesson per week and a one hour Applied Music Seminar per week, totaling one and one-half hours per week of study for ten weeks)</td>
<td>100.00</td>
</tr>
<tr>
<td>Tuition per quarter (This includes a one hour private lesson per week for ten weeks)</td>
<td>200.00</td>
</tr>
<tr>
<td>Music practice fees, per quarter</td>
<td></td>
</tr>
<tr>
<td>Two-manual organ**</td>
<td>50.00</td>
</tr>
<tr>
<td>Recital organ**</td>
<td>75.00</td>
</tr>
<tr>
<td>Piano or harpsichord</td>
<td>25.00</td>
</tr>
</tbody>
</table>

*No charge for department-certified music majors.
**If not taking Applied Music.
Financial Assistance

Kalamazoo College participates in the College Scholarship Service of the College Entrance Examination Board. This service does not determine or award scholarships or other types of financial aid but rather processes the Financial Aid Forms and determines an estimated family contribution. Colleges using the service believe that students should receive aid on the basis of ability and promise, but that the amount of assistance should vary according to the needs of the students and their families. Kalamazoo College strives to meet the needs of its students within the financial aid resources of the College.

Application for financial aid
You should follow these steps in applying for financial aid at Kalamazoo College:

1. Submit a completed FAF (Financial Aid Form, preferred) or FFS (Family Financial Statement) to the appropriate processing agency. Be sure to request that a copy is sent to Kalamazoo College. You may obtain these forms from your high school counselor or from the College’s Financial Aid Office.

2. Submit a copy of your parents’ most recent federal income tax form 1040, including all attachments.

3. As an applicant for financial aid, you are expected to send your information to the Pell Grants.

4. If you are a Michigan resident, you are expected to make application to the Michigan Higher Education Assistance Authority. The Authority makes awards to graduates of Michigan high schools based on competitive examination and on need. Tuition grants are available to students having financial need who attend private colleges, including Kalamazoo College. Additional information about this program is available from your high school counselor.

5. Michigan residents are encouraged to take the Michigan Higher Education Assistance Authority test. This test (the ACT) is usually given early in the academic year. Ask your high school counselor for exact dates.

6. If you are an out-of-state student, you are required by the College to apply for the state grant opportunities available in your own state for out-of-state education.

Grants
At Kalamazoo College, grants are the most important feature of the financial aid program. These awards are supported entirely by income derived from endowments and annual gifts and grants to the College. Approximately 44 percent of the student body receives financial aid ranging from a small stipend to an amount equal to the full cost of tuition, room, board, and other expenses. You need not apply for specific grants or scholarships at Kalamazoo; you will be considered for all awards for which you are eligible. Each year your need will be reviewed in light of your family financial situation, current financial aid laws, and the cost of the College. Your aid will continue as long as your academic achievement is satisfactory, your financial need continues, and funds are available.

<table>
<thead>
<tr>
<th>Estimated cost of freshman year*</th>
<th>Resident</th>
<th>Commuter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition</td>
<td>$6,492</td>
<td>$6,492</td>
</tr>
<tr>
<td>Resident fee</td>
<td>2,430</td>
<td></td>
</tr>
<tr>
<td></td>
<td>$8,922</td>
<td>$6,492</td>
</tr>
<tr>
<td>One time costs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Freshman orientation</td>
<td>$150</td>
<td>$150</td>
</tr>
<tr>
<td>Matriculation fee</td>
<td>40</td>
<td>40</td>
</tr>
<tr>
<td></td>
<td>$190</td>
<td>190</td>
</tr>
<tr>
<td>Total fees</td>
<td>$9,112</td>
<td>$6,682</td>
</tr>
<tr>
<td>Other expenses</td>
<td>$600-800</td>
<td>$500-700</td>
</tr>
</tbody>
</table>
Kalamazoo College Honor Award The Kalamazoo College Honor Award program has been established to recognize exceptional achievement of high school students in academics and activities. Honor Awards are given to selected members of the entering freshman class and are renewable for a period of up to four years. Valedictorians, National Merit finalists, and National Negro Achievement Scholars are automatically nominated and considered for these awards.

Foreign Study The College will make every effort within its financial aid resources to aid you on Foreign Study if you need help with the cost of tuition, room, board, fees, books, academic supplies, and personal expenses during the academic portion of Foreign Study. You will have to make your own arrangements to finance personal travel, gifts, and staying overseas after the conclusion of formal study. If you believe that your financial need may prohibit your participation in the Foreign Study program, you should consult the director of financial aid as early as possible.

Other programs The College participates in various programs of financial assistance sponsored by the federal government, including: Pell Grants, Supplementary Educational Opportunity Grants (SEOG), and the College Work Study Program (CWSP). If you apply to the Financial Aid Office, you are automatically considered for these programs if you are eligible. If additional application procedures are involved, you will be notified by the Financial Aid Office.

Student loans There are two major types of loans available to you as a student of Kalamazoo College:

National Direct Student Loan (NDSL)—The NDSL is provided through funds from the federal government, Kalamazoo College, and repayments from former NDSL borrowers at Kalamazoo. The repayment period and the interest do not begin until six months after you cease to be enrolled as at least a half-time student. The loan bears an interest rate of five percent per year and repayment of the principal may be extended up to a ten-year period with a minimum payment of $50 per month. In order to obtain an NDSL, the loan must be awarded as part of your need-based financial aid package. If you receive an NDSL as part of an award and choose to accept it, you must sign a promissory note in the Business Office at the beginning of each quarter. During your last quarter at Kalamazoo College, you are required to have an exit interview. At that time, arrangements will be made for repayment.

Guaranteed Student Loan (GSL)—These loans are frequently chosen if you feel you need additional assistance. In order to apply for these loans, contact your local bank, credit union, or savings and loan association. If you are turned down by these organizations, contact the Financial Aid Office for assistance. The Guarantee Student Loan is granted to full-time undergraduates in amounts up to $2,500 per academic year with a cumulative total over the four undergraduate years of not more than $12,500. There is no interest charge while you are enrolled in school. Six months after you leave school or graduate, repayment begins at an interest rate of nine percent. If you take these loans, you are encouraged to have the checks made payable to you and the College. In some cases, this loan is based on demonstrated need. The Financial Aid Office will make such determinations.

Campus employment Campus employment is assigned through the Financial Aid Office. Jobs are usually only available to financial aid recipients. Exceptions to this policy can be made when no qualified financial aid recipient is available for a particular job.

Work assignments are made in Saga Food Service, maintenance, housekeeping, and in faculty and administrative offices. If you are not assigned a job and would like to work on campus, you should contact the Financial Aid Office in writing and a job will be assigned to you if it is available.

Financial aid policies The following
financial aid policies affect the amount and eligibility of your financial aid:

(1) Financial aid is awarded at Kalamazoo College on an academic year basis, usually for only those quarters in which you are enrolled as a full-time student. In unusual cases, mid-year adjustments of financial aid allocations may be possible.

(2) Kalamazoo College awards its financial aid dollars to students who are participating in the normal Kalamazoo College academic program.

(3) In general, financial aid award packages are composed of a combination of gift aid (grants and scholarships), loan, and work. The type and amount of aid may vary from year to year depending upon the number of quarters you will be studying at the College during the year, continued financial need, satisfactory academic performance, campus citizenship, and availability of funds.

(4) You must report by letter to the director of financial aid any non-College aid that is received. Additional aid will be reviewed and may necessitate a change in your financial aid package.

(5) If you marry while enrolled at Kalamazoo College, the amount of aid originally allocated may be subject to reconsideration.
Withdrawal from the College results in cancellation of your financial aid for the remainder of that academic year. If you are readmitted to the College, you must reapply for financial aid prior to the quarter in which you will be readmitted.

Priority for campus jobs is given to financial aid recipients.

If you refuse a particular campus job assignment or are dismissed from a job for cause, you should not expect to receive campus employment for the remainder of the academic year. Your aid is also subject to change under these circumstances.

Financial aid awards are subject to satisfactory academic progress and campus citizenship.

You have the right to request exemption from the financial aid policies for good reason. An appeals procedure is available.

Financial aid awards and campus employment assignments are made without regard to race, color, religion, handicap, sex, age, or national origin.

Endowed scholarships

In addition to the following endowed scholarships, income from the general endowment fund is available for scholarships and other forms of financial aid.

The Alden Trust Fund—Established in 1980 by the George I. Alden Trust of Worcester, Massachusetts, to enable academically qualified young men and women of financial need to attend Kalamazoo College. First preference will be given to applicants from the northeast and east and to students intending to major in economics or natural science.

Jessie Hoyt Ames Fund—Established in 1940 through a bequest by Dr. Edward Ames to provide scholarship aid to worthy students.

The Axtell Fund—Established in 1876 through a bequest by Miss Hanna Axtell for scholarship aid to deserving students.

Frank B. Bachelor Scholarship Fund—Established for students interested in either business administration or the ministry.

Justin Bacon Scholarship—Established in 1964 by Miss Lucille A. Nobbs (class of 1916) in tribute to Dr. Justin Bacon, emeritus professor of French and registrar.

Alexander and Jessie Barclay Scholarship Fund—Established in 1978 by James A. Barclay in honor of his parents, Alexander and Jessie Barclay. To be awarded to a worthy student with demonstrated financial need and a strong academic standing.

C. W. "Opie" Davis Memorial Scholarship—Established in 1965 by the family and friends of the late C. W. "Opie" Davis (class of 1928) to assist a deserving student who combines outstanding athletic ability with qualities of good citizenship.

Enos A. and Sarah DeWaters Fund—Established in 1963 through a bequest of Enos A. DeWaters to provide scholarships for worthy students.

Sarah A. DeWaters Fund—Established in 1950 through a bequest of Mrs. Sarah A. DeWaters (class of 1900) to provide scholarships for women students.

Frances Diebold Scholarship Fund—Established in 1976 by friends and former students of Dr. Diebold to assist superior students in the biological sciences who have shown promise of significant achievement, the amount to be determined by financial need.

Mabel Easterbrook Scholarship Fund—Established by Iris E. Breyding (class of 1918) in 1970 to honor Mabel Easterbrook (class of 1908).

Eldred Memorial Scholarship Fund—Established in 1957 in memory of Caleb Eldred, co-founder and benefactor of Kalamazoo College, and of Nelson Eldred, benefactor of the College, by friends of the College and direct descendants of the founder.

Nelson J. Ellwood Scholarship Fund—Established in 1974 through a gift of Miss Maude Ellwood (class of 1922) and Miss Joyce Ellwood in memory of Nelson J. Ellwood (class of 1912), to provide scholarships for students preferably studying in the field of political science.

Emeritus Club Scholarship—Established by members of the Emeritus Club of Kalamazoo College, to be awarded to worthy students.

Harmon Everett Scholarship—Given in 1951 by Mrs. Helen Carey Everett in memory of her husband, Harmon Everett.

George and Esther Ferguson Scholar-
ship Fund—Established in 1973 by the Board of Trustees to honor Dr. George Ferguson, Board chairman from 1946-1953, to be awarded to students majoring in mathematics.

George Ellis Finlay Scholarship Fund—Given in 1960 through a bequest of James Finlay in memory of his brother, George Ellis Finlay (class of 1897).

Frederick C. Fischer Scholarships—Provided by the late Frederick C. Fischer, trustee of the College, to be awarded to freshman men possessing outstanding potential in the academic, athletic, forensic, political, or business area.

Mary Cooper Fogarty Scholarship—Established in 1975 through the estate of Charlene Fogarty McKee to aid women students in the amount of the prevailing resident student fee.

Ford Foundation Scholarship Fund—Established in 1963 from the Ford Foundation Challenge Fund for scholarships to deserving students.

Horace J. and Lizzie P. Fuller Fund—Given in 1944 through a bequest of Mrs. Lizzie P. Fuller to worthy young men and women.

Agnes Grenell Goss Memorial Scholarship—Given in 1972 by family and friends to honor Agnes Grenell Goss (class of 1912), former faculty member and dean of women at Kalamazoo College. To be awarded annually to the undergraduate woman needing financial help who best exemplifies Mrs. Goss' dedication to scholarship, leadership, and service.

David and Lucile Greene Scholarship Fund—Established in 1966 by former trustee David H. Greene and his wife, Lucile, as an annual award to be given preferably to a student who is planning to enter full-time Christian service.

Arthur L. Blakeslee Memorial Scholarship—Established in 1962 through an endowment by the family and friends of the late Arthur L. Blakeslee.

Mary Jane Boudeman Scholarship Fund—Established in 1960 by Mr. and Mrs. Robert Boudeman (classes of 1940 and 1939 respectively) and by many friends in memory of Mary Jane Boudeman. Applicants are judged on character, personality, and leadership qualities that indicate promise for outstanding citizenship.

Kendall Brooks Scholarship Fund—Established in 1954 by Miss Edith A. Pettee in memory of her brother, Harry H. Pettee (class of 1866) and her cousin, Kendall Brooks, to aid students in biological science.

Earl Burbridge Memorial Scholarship—Given in 1963 by Mrs. Earl Burbridge in memory of her husband to aid a student interested in the sciences.

Mary Long Burch Memorial Scholarship—Given in 1963 by the family and friends of the late Mary Long Burch (class of 1961) to assist a woman student in the biological sciences who is planning to attend graduate school.

Florence Bushnell Burdick Scholarship Fund—Established in 1976 by Lorence B. and Willis B. Burdick to assist worthy students, with preference given to students majoring in the study of French language and literature.

Harry G. Burns Memorial Scholarship—Established in 1958 by Mrs. Gertrude Taylor Burns (class of 1908) in memory of her husband (class of 1907) to help a student of good character and academic ability who could not otherwise continue his or her education.

Louis Calder Scholarship Fund—Established in 1960 by the Louis Calder Foundation to provide aid on the basis of merit, ability, and need.

Edward E. Chapple Fund—Established in 1954 through a bequest by Edward E. Chapple to aid needy and worthy students.


Ainsworth Clark Memorial Scholarship Fund—Established in 1956 by Mrs. Ainsworth W. Clark in memory of her husband.

Vivian B. Crawford Memorial Fund—Established in 1969 through a legacy, the income to be used for grants in aid to deserving black students.

Dorothy Upjohn Dalton Scholarship Fund—Established in 1960 by Mrs. Dorothy Upjohn Dalton (class of 1914 and trustee of the College) to assist students in
need of financial aid.

John Sherwood Daniels Fund for Aid to Students from Foreign Countries—Established in 1969 through a bequest by John S. Daniels (class of 1965) with additional funds given by his family and friends "to aid students from foreign countries to obtain a college education in the United States."

John M. and Louisa C. Gregory Fund—Established in 1920 through a bequest of Mrs. Louisa C. Gregory "to aid worthy and self-sustaining students who pass the best competitive examinations in the preparatory studies."

Elton W. Ham Endowed Scholarship Fund—Established in 1975 by the friends and family of Elton W. Ham in his memory and used to assist one or more students of political science in a career development project, a senior individualized project, or another off-campus program.

John V. Handelsman Memorial Scholarship Fund—Established in 1961 by Mr. and Mrs. Harold J. Handelsman in memory of their son, John V. Handelsman, to provide scholarship assistance to students of marked academic and athletic ability.

Hazen Sister Scholarship—Given in 1966 by Mr. and Mrs. Guy J. Bates to honor Mrs. Gail Hazen Black, Miss Angie Hazen, and Mrs. Dorothy Hazen Jacox. To be awarded to an undergraduate woman on the basis of financial need.

F. W. Heyl and Elsie L. Heyl Scholars—Established by Dr. Frederick W. Heyl (Hon. 1937) and his wife to promote the education of young men and women in the exact sciences. To provide up to six full-tuition scholarships each year to graduates of Kalamazoo Central and/or Loy Norrix high schools interested in studying biology, chemistry, mathematics, physics, or allied fields at Kalamazoo College.

Joseph W. Hicks Scholarship Fund—Given in 1911 by Mrs. H. D. Hicks to provide scholarships for students nominated to the College by representatives of the Plainwell school board and the Plainwell High School.

Hattie M. Hiscock Scholarship—Established in 1966 through a bequest of Miss Hattie M. Hiscock.

Allan Hoben Scholarship Fund—A scholarship fund given in memory of President Allan Hoben to be used primarily to support career service opportunities for Kalamazoo College students interested in social or community service.

John Wesley Hornbeck Scholarship Fund—Established in 1951 by former students and friends of Professor Hornbeck to aid students majoring in physics.

Leo C. Hughes Memorial Scholarship—Given in 1964 by Mrs. Queena Hughes in memory of her husband, Leo C. Hughes, to be used in the way which, in the opinion of the trustees of Kalamazoo College will best promote the objectives and welfare of the College.

H. Clair Jackson Memorial Scholarship—Given in 1957 by Mrs. H. Clair Jackson in memory of her husband to aid students from Kalamazoo, preferably Baptist, planning to enter the legal profession.

Charles Kurtz Jacobs Memorial Scholarship—Established in 1951 by family and friends as a memorial fund to aid students in mathematics.

Helen Carter Johnson Scholarship—Established in 1965 by Mrs. Helen Carter Johnson to provide scholarship aid for worthy students.

Kalamazoo Kiwanis Club Scholarship—Established in 1966 through the education fund committee of the Kalamazoo Kiwanis Club to be awarded to an undergraduate having financial need.

Lewis Haight Kirby and Winifred Stevens Kirby Scholarship—Established in 1962 by Mrs. Anne Kirby Atwood (class of 1932) to assist students in need of financial aid.

H. William and Elizabeth A. Klare Memorial Scholarships—Established through their will in 1965 to provide annual awards of $1000 to be made to deserving and needy students.

Harold G. Kolloff Scholarship Fund—Given in 1976 by Mrs. Harold G. Kolloff in memory of her husband to aid worthy students, with preference to those majoring in the sciences.

Kurtz Family Scholarship—Established in 1980 by the Kurtz family in honor of more than 35 members of the family who have attended Kalamazoo College. The scholarship is available to assist those who (1) plan to pursue one of the...
"helping" professions (social work, medicine, ministry, etc.) and/or (2) are interested in and desire learning later in life.

Guy and Morna E. LaPierre Scholarship—Established in 1967 through a bequest of Morna E. LaPierre to provide scholarships of not less than $100 each for worthy and desirable students, selected in such manner as may be determined by the College.

H. B. LaTourette Scholarship Fund—Given in 1909 by H.B. LaTourette to provide an annual award to a student recommended by the First Baptist Church of Fenton, Michigan.

Thomas T. Leete, Jr. Fund—Established in 1934 through a bequest of Thomas T. Leete, Jr.

Reverend H. W. Mack Memorial Scholarship—Established by Edwin P. Mack of Ann Arbor, Michigan, in memory of Reverend H. W. Mack, a Baptist minister in Canada who did not receive the benefits of a college education. To be awarded to worthy students who may be studying for the ministry.

Clark W. MacKenzie Scholarship—Established through a bequest of Mrs. Clark W. MacKenzie and further supported by many friends in 1967 to honor Clark MacKenzie, trustee of the College. Given to an incoming student who is outstanding in both athletics and scholarship.

John S. McColl Memorial Fund—Established in 1959 by John S. McColl to enable biology majors to attend scientific conferences.

Thomas Markin Memorial Scholarship Fund—Established in 1976 by David Markin and others to provide scholarships for bright young people who are students at Kalamazoo College.

Marvin Scholarship Fund—Established in 1964 by the Board of Trustees to honor Mr. (class of 1904) and Mrs. (class of 1905) Harry Marvin.

Louise Mae Stein Matulis—Established in 1974 by Anthony S. Matulis in memory of his wife, Louise Mae Stein Matulis (class of 1924) to provide scholarship aid for worthy students.

Marion Graybiel Means Scholarship Fund—Established in 1967 by Mrs. Means to aid worthy students.

Memorial Scholarship Fund—Established over the years by gifts from many people to honor the memory of friends of the College. Memorial gifts have been received honoring Ethel D. Allen, Clare Baum, E. Bruce Baxter, Robert M. Boudeman, William C. Buchanan, Raymond E. Chapman, Paul E. Collins, Eleanor Crow, Frances Diebold, James Finley, Curtis Fisher, James B. Fleugal, John D. Forney, Margaret K. Fortner, Stanley Glass, Lester Graybiel, L. J. Hemmes, Elsie L. Heyl, Dorothy B. Hootman, Leroy Hornbeck, Ardell O. Jacobs, Esther V. Kent, Lucile O. Kerman, Irmgard Kowatski, Kenneth H. Krum, C. Wallace Lawrence, William Milham, W. B. Rapley, Donald W. Rich, Grace Taylor, Winifred Thomas, Paul L. Thompson, Paul H. Todd, Sr., L. N. Upjohn, Margaret Upton, Mrs. Vaughn Vahey, Alice Van Dyke, Robert Winblad, and Irene Witters.

Michigan Consolidated Gas Company Scholarship Fund—Established in 1957 to provide aid to needy and worthy applicants. "Preference shall be given first to children of persons employed by Michigan Consolidated Gas Company or the two affiliated companies, Michigan Wisconsin Pipe Line Company and American Louisiana Pipe Line Company, and second to applicants residing in areas served by the Michigan Consolidated Gas Company."

Cora L. Miller Scholarship Fund—Established in 1963 through a bequest of Miss Cora L. Miller for deserving young people desiring to obtain an education at Kalamazoo College.

Robert F. Nichols Scholarship—Established in 1966 in memory of Robert F. Nichols (class of 1932) by his widow and brother, Louis B. Nichols, for the purpose of aiding students who do not qualify for aid through the ordinary standards of academic standing, but otherwise demonstrate qualities of leadership and character that would benefit society.

Floyd R. and Margaret B. Olmsted Fund—Given in 1951 by Mr. and Mrs. Floyd Olmsted.

Henry and Mabel Overley Music Scholarship Fund—Established in 1945 by Mr. and Mrs. L. H. Kirby to honor Dr. and Mrs. Henry Overley.
Fraser E. and Margaret T. Pomeroy Scholarship—Established in 1978 by the Pomeroy family, longtime friends and trustee of the College. Income is to assist Kalamazoo College students engaged in American Baptist-related Career Development or Senior Individualized Projects.

Harold W. and Mildred Pomeroy Memorial Scholarship Fund—Established in 1957 by Mrs. Harold W. Pomeroy in memory of her husband.

Burke E. Porter Scholarship Fund for Women—Established in 1971 by Burke E. Porter to provide scholarships for women to attend Kalamazoo College.

Ralph M. Ralston Memorial Scholarship—Established in 1966 by the executive committee of the Board of Trustees to honor Ralph M. Ralston (class of 1916), former secretary and member of the Board of Trustees, who worked unstintingly for and gave generously to the College.

Reader’s Digest Foundation Scholarship Fund—Established in 1975 to provide scholarships to students participating in the Land/Sea program.

Emma O. Reed Scholarship Fund—Established in 1924 as an annual award to applicants from Ingham County, Michigan, who have been nominated by the First Baptist Church of Mason, Michigan.


Emma Whyland Sharp Scholarship Fund—Established in 1935 by L.A. Sharp to provide an annual award given, preferably to music students, each June by a committee headed by the pastor of the First Baptist Church of Alma, Michigan. If no selection is made by them, the College selects a worthy student.

Milton Simpson Scholarship Fund—Established in 1971 by Grace F. Simpson in memory of her husband, Dr. Milton Simpson, to aid sophomores and juniors in English literature.

A.C. and Nina H. Smith Fund—Established in 1964 by the Board of Trustees to honor Mr. and Mrs. A.C. Smith.

Carl A. Soule Scholarship—Established in 1950 by Carl A. Soule (class of 1901).

Raymond L. Spencer Memorial Fund—Established by family and friends in 1978 to honor Raymond L. Spencer, a member of the class of 1934. To be awarded to a worthy student with demonstrated financial need and a strong academic standing.

Herbert L. Stetson Scholarship—Established in 1968 by Mr. and Mrs. James Fleugal (Elizabeth Stetson), both of the class of 1917, to assist worthy undergraduates.

Leroy Dean Stinebower Scholarship Fund—Established in 1976 by Mrs. Alice Stinebower and others, for worthy students, with preference to those with outstanding records who are majoring in economics.

James and Lucinda Hinsdale Stone Scholarships—Reserved for outstanding entering freshmen who, because of favorable financial circumstances, are not eligible for any of the regular scholarship awards. Stone scholars will receive recognition at their high school commencement.

Allen B. Stowe Scholarship Fund—Established in 1957 by alumni and friends of the late Dr. Allen B. Stowe to provide an annual scholarship, preferably given to students who combine Dr. Stowe’s interests in chemistry and tennis.

Ruth Swift Memorial Fund—Given in 1954 by Dr. Earle R. Swift in memory of his daughter, Miss Ruth Swift, to provide scholarship assistance to women students.

Donald F. Switzenberg Fund—To provide one or more annual scholarships in the field of environmental ecology.

Louis A. Taft Fund—Established in 1873 by Mr. Taft to be bestowed upon needy students which the former professor of theology would have considered worthy recipients.

Elizabeth and Burton H. Upjohn Educational Fund—Established in 1976 by Mr. and Mrs. Upjohn to award scholarships on the basis of merit, the financial status of the parents not an issue.

William John Upjohn Scholarship—Established in 1980 by Mr. Upjohn to assist worthy students attending the College.

Upton Free Enterprise Scholarship—Established in 1962 by David F. Upton to be awarded annually to a promising student who is interested in preservation of
the American competitive system and ex-

pects to major in political science or an
allied field.

C. Van Husan Scholarship Fund—Es-

established in 1892 by the children of Caleb
Van Husan to provide aid for students
preparing for the ministry.

Franklin G. and Margaret H. Varney
Scholarship Fund—Given in 1964 by Mr.
and Mrs. Varney to provide scholarships
for worthy students.

Winifred Dewing Wallace Memorial
Scholarships in English—Established in
1956 by the Board of Trustees in memory
of Winifred Dewing Wallace.

Frederick and Maud Walton Scholar-
ship Fund—Established in 1961 through a
bequest from Mr. Walton for "educating
the children of ministers of the gospel of
any denomination." The awards are made
primarily on the basis of need with secon-
dary emphasis on scholarship.

Charles Willard Student Aid Fund—Es-

established in 1896 by Charles Willard.

Florence Winslow Memorial Scholar-
ship—Established in 1964 by her family
and friends.

Women's Council Scholarship—Estab-
lished in 1951 by the Women's Council of
Kalamazoo College for a Kalamazoo area
woman student.

Endowed lectureships The following
lectureships have been endowed at Kala-
mazoo College.

Homer J. Armstrong Endowment in Reli-
gerion—Established in 1969 to honor Dr.
Homer J. Armstrong, eminent pastor and
longtime trustee of the College. This fund
is used to sponsor the Armstrong Lectures
at Kalamazoo College, which annually
brings to campus for a series of lectures a
renowned theologian.

Paul Lamont Thompson Memorial Lect-
tures—Established in 1979 by family and
friends of Dr. Thompson, Kalamazoo Col-
lege's tenth president. Presented an-
ually, the lectureship brings to campus
leaders representing business, govern-
ment, and the professions to present their
insights associated with ethics and reli-
gion in human relations.

Dr. Dee and Helen Tourtellotte Lecture-
ship Fund in the Basic Sciences—Estab-
lished in 1980 by Dr. and Mrs. Tourtel-
lotte, illustrious alumni of the College ('25,
'26). Income will provide an annual lec-
tureship in chemistry, biology, or physics.

Annually supported scholarships
These scholarships are supported
through annual contributions to Kala-
mazoo College.

American Baptist Scholarship Fund—
Awarded by the College each year from
funds given by the American Baptist
Churches for members of minority groups.

Competitive scholarships in math/sci-
ence, social science, English essay, art,
theatre, and music—These awards are
made annually to freshmen on the basis of
competitions during the winter. Students
should complete application to the College
before December 1 to assure themselves
notification of the dates of these competi-
tions.

For the music competitive scholarships,
freshmen must (1) be recommended by the
music faculty on the basis of auditions;
(2) continue applied music study and parti-
cipate in departmental ensembles at Kala-
mazoo College; (3) be able to present
either a good high school record and
recommendation, or evidence of above-
average scholastic ability on the scholas-
tic aptitude tests of the College Entrance
Examination Board.

Alexander Dodds Scholarship Fund—A
fund bequeathed by Alexander Dodds of
Grand Rapids, the income to be awarded
to worthy and needy students.

Fabri-Kal Foundation Scholarship—A
four-year award given annually by the
Fabri-Kal Foundation to a Kalamazoo
County area high school graduate with a
record of high academic achievement and
leadership potential, who is planning a
career in business, engineering, or a
closely related field. Preference is given
to people interested in the plastics indus-
try.

First Baptist Kalamazoo Scholarship—
Given annually by the First Baptist
Church of Kalamazoo, Michigan, with
preference to be given to an American
Baptist student.

Guttman Foundation Grant—An annual
grant to Kalamazoo College of $5,000 by
the Guttman Foundation for Career Devel-
Opment support.
H. Colin Hackney Scholarship—Given in memory of H. Colin Hackney (class of 1930) by Mrs. Mary E. Hackney to be awarded to a student combining the qualities of scholarship and character. The award is $300.

Charles C. Hall Scholarship—Given by the Durametallic Company to a junior or senior majoring in physics or chemistry. The award of up to $1,500 is based on good character and proficiency in academic work and will be renewed for a junior recipient if he maintains at least a C average.

Hercules Scholarship in Chemistry—Awarded annually to a top-ranking upper-classman in the field of chemistry.

International Palace of Sports Scholarship—Given in honor of the winner of National Junior Tennis Championship to be awarded to an incoming freshman who combines qualities of athletics and scholarship.

Kalamazoo Junior Achievement Scholarship—Awarded by the Kalamazoo Chapter of Junior Achievement to assist students who desire to attend Kalamazoo College. The scholarship ranges up to $250 and is renewable.

Lamb Technicon Corporation Fund—To be awarded to a student with absolute need for a full assistance scholarship.

Charles A. McAllister Memorial Scholarship—Provided by the Kalamazoo Food Service for a student needing financial aid. The award is $300.

Michigan Mathematics Prize Competition Scholarships—Given to two contestants in the annual Michigan Mathematics Prize Competition administered by the Michigan section of the Mathematical Association of America on the basis of outstanding performance in the competition, academic achievement in high school, and financial need. The scholarships range from $100 to $600. Interested candidates may obtain further information about the prize competition from their high school principal.

Minnesota Mining and Manufacturing Company Scholarships—Awarded under the usual conditions governing grants of financial aid. The division of the $1500 gift is left to the discretion of the College.

Modern Languages Scholarship—Awarded to an entering freshman, promising in either French or Spanish, on the basis of performance in the language tests of the College Entrance Examination Board and personal interviews with the department. The award varies according to need up to $400.

Reverend Canon Ernest Piper Memorial Scholarship—Established in memory of Reverend Piper, a Kalamazoo College alumnus.

Praeger Scholarship in Biology—Given by friends and former students of Professor William E. Praeger in cooperation with the University of Michigan to provide opportunity for outstanding juniors and seniors to spend a summer studying at the Douglas Lake Biological Station of the University of Michigan at either the undergraduate or graduate level.

Sasser Foundation Scholarship—Awarded to a student at Kalamazoo College who maintains good academic standing and other qualifications for acceptability as a student.

Shell Assists—Given by the Shell Companies Foundation to provide scholarship assistance to outstanding students. This award is given at the discretion of the Financial Aid Office, with preference to students from middle income families.

The A.M. Todd Scholarships—Two scholarships, established in 1978 by the A.M. Todd Company, to be awarded to worthy chemistry students.

Vicksburg Foundation Scholarship—A four-year scholarship of $1,000 per academic year, to be awarded annually to such applicants as the Foundation may designate or approve on written recommendation by Kalamazoo College from applicants selected from the graduating classes of Vicksburg, Mendon, and Schoolcraft high schools, after consideration of scholastic achievement, character, citizenship, and recommendations of high school principals.

Wingspread Fellows—In cooperation with the Johnson Wax Foundation, the College names several students annually to serve as Wingspread Fellows. Fellows attend conferences on specific subjects at Wingspread, the Johnson Wax Foundation conference center in Racine, Wisconsin.
Residential Living and Student Life

Residential Living
Student Activities
Student Life
College Policies
Residential Living

Kalamazoo College is small by choice, and because of off-campus programs, only 1,000 of its 1,400 students are on the campus at any given time. At the heart of campus life is residential living; it is a vital part of your total liberal arts education.

Unless you live within commuting distance with your parents, legal guardians, or spouse, you must—if you are carrying two or more units of academic work—live in the College residence halls and take your meals at the College dining center.* Only exceptional circumstances will be considered valid reasons for waiving this requirement.

You may choose from a number of on-campus housing options. As an entering freshman, you may live in a single sex or coed residence hall. The College cannot guarantee you a specific hall or type of room assignment, but the earlier you pay your deposit, the better chance you have of receiving the type of room assignment you want. Upperclass students may choose any of the College’s residence halls or small houses; assignments are made by seniority according to class standing, with suites assigned on a group and seniority basis. (A more detailed statement of the housing assignment system is given in the Kalamazoo College Student Handbook). A limited number of single rooms are available, most of them with a $50 additional fee. Because of the great demand, freshman are not assigned single rooms.

All on-campus housing is supervised by experienced staff members and student floor advisers, under the jurisdiction of the dean of students. Floor advisers live on each floor of the residence halls, aiding students and helping to develop and maintain an atmosphere promoting academic, personal, and social growth.

The College maintains facilities, located near campus, for married students. If you are interested in such housing, you should contact the director of purchasing and college services.

Kalamazoo College tries to provide a proper regard for your privacy and for the welfare of the entire residence hall. Working with students, the College assumes the responsibility for standards of residence hall occupancy and the obligation for seeing that the physical facilities of the residence halls receive proper care.

The dining rooms in Hicks Center vary in size and decor, their motifs reflecting the international flavor of the College’s educational program. In this setting, you will receive much of your informal learning at the College and meet students of different lifestyles and cultural backgrounds. The food in the dining hall is catered by Saga Food Service.

After your first quarter on campus, you may select one of three meal plans—the maximum of 20 meals per week, a 15 meal plan, or a ten meal plan. If you commute to campus, you may purchase a 50 lunch plan. Only if you live in cooperative housing are you allowed to cook your own meals.

Room application When you are a new boarding student, your application for admission covers your room application. After you have been accepted and have paid your $125 deposit, a room will be reserved for you. After your freshman year, you may indicate your room preference for following on-campus quarters during housing registration periods. You must pay a $125 advance payment in mid-summer between your freshman and sophomore years.

General Information All residence halls are provided with the necessary furnishings. You are expected to provide pillows, bed linens, mattress cover, towels, blankets, and curtains or draperies. A linen service which supplies towels and bed linens weekly is available. Room keys are issued free to you. You will be charged $25 if you lose a key or if a key is not returned at the end of the quarter.

*By action of the Board of Trustees, 30 seniors are given permission to live off campus during the fall, winter, and spring quarters. These seniors are selected on the basis of a lottery on Monday of the sixth week of the spring quarter, for the following year.
The College provides neither room nor board during vacation periods. It reserves the right to use all residence halls and rooms when not in use by regular students.

At the end of each quarter, you are expected to move from your residence hall within 24 hours after your last examination. This rule does not apply if you are a foreign student, are required to remain because of the nature of your campus employment, or if you are participating in Commencement events at the close of spring term.

Kalamazoo College is not responsible for your personal property and possessions. You may arrange to store them in residence hall rooms during vacation periods if you are continuing on campus. Storage areas are available while you participate in the College’s off-campus programs, but the College cannot be responsible for loss or damage to your possessions while in storage. You are encouraged to check your parents’ insurance coverage, since most insurance companies will cover a student’s property and possessions under family policies.

**Commuter students** Students from the Kalamazoo area who commute to campus comprise approximately 12 percent of the total student body. If you are a commuter student entering Kalamazoo College, you are invited to stay in the residence halls during the freshman introductory program so that you may participate in the total life of the campus. Much of your time between class can be spent in the Student Center, where special mail boxes, lockers, a study, and a lounge are available for commuting students.
Student Activities

Since intellectual growth is only one element of your education, Kalamazoo College offers many opportunities for you to participate in activities and pursue interests that will simultaneously develop your understanding, confidence, sensitivity, and leadership.

Clubs and organizations Student organizations at the College include the Film Society, which shows two films per week on campus; Chaverim, the Jewish fellowship organization; Women's Interest Group; Black Student Organization; Christian Fellowship; Ski Club; Society for Ultimate Frisbee; the Student Volunteer Organization, which places students in volunteer positions in the city of Kalamazoo; the Index, the student-published newspaper; the Boiling Pot, the yearbook; the Cauldron, a literary magazine; WJMD, the student-operated radio station; Black Spot; and Forensics Club.

Student government The Student Commission governs students as well as student organizations. It represents the student body, improves communication, provides a unified voice, and actively participates in formulating College policy.

The Student Commission consists of elected officers, representatives from each residence hall, representatives to the College standing committees, a representative from the honor houses, and a representative for commuter students. It appoints all organization leaders and representatives to College committees. The Student Commission coordinates the yearly preparation of the student organization budgets and oversees the expenditure of these funds. Every student organization with a budget is expected to use an account in the Business Office.

Committee participation Students are represented on all but one of the College standing committees, made up of administrators, faculty, and students. There are four students on the Campus Life Committee, three students on the Educational Policies Committee, and two students each on the Budget and Long Range Planning committees. These committees work to integrate various viewpoints and clarify existing policies. In addition, there are student representatives on Admissions, Athletics, College Forum, and Foreign Study committees.

IHA The Inter-House Association (IHA) is chaired by the vice-president of the Student Commission and is composed of elected representatives from each residence hall. It strives to improve the social and physical environments of the residence halls. IHA is funded by the campus vending machines and the DeWaters and Humphrey lockers.

CUB The College Union Board (CUB) is a volunteer group of students who plan and implement the student activities program under the guidance of the coordinator of student activities. This program includes dances, movies, outings, and special events. CUB meets each week to plan and organize projects and activities for the campus at large. All students are encouraged to help plan CUB events.

House councils Students in each residence hall elect a house council to administer the functions of the hall, conduct social and business affairs, and supervise conduct within that hall. The house council also acts as a judicial body to handle violations of residence hall rules. In cases involving people from different residence halls, the Student Court assumes jurisdiction. Both the court and house council are composed exclusively of students.

Judicial process You are accorded all the rights and privileges associated with due process in all cases of alleged rule violation. You are required to appear before the appropriate judicial agency. This might be a house council, the Student Court, or the College Judicial Council, depending on the nature of the charge. The vice-president for student life in special circumstances may hear your case. In every instance of judicial judgment, you have the right of appeal.

Title IX Grievance Procedure The Office of Student Life coordinates a formal
Title IX grievance procedure. This grievance procedure is available to you if you wish to complain of any action or inaction within the jurisdiction or control of the College that you allege to be in violation of Title IX of the Education Amendments of 1972 prohibiting sex discrimination in education.

College Forum The College Forum offers a wide variety of significant educational and cultural events to enhance the educational program of the College. The Forum program is planned by a committee of students, faculty, and administrators.

The College Forum strives to increase your general knowledge and to overcome fragmentation of knowledge by involving the entire College community in a common focus on issues and ideas. The Forum fosters your liberal education by promoting a lively dialogue between faith and learning.

Recent lecturers have included David Broder, Marshall Shulman, David H. P. Maybury-Lewis, and William Sloan Coffin, Jr. The Forum has featured series of lectures and concerts around themes such as “The Axial Century,” “With Russia in Mind,” and “The North-South Dialogue.” Concerts are regularly given by the Kalamazoo Symphony Chamber Orchestra and the Fontana Ensemble.

As a freshman and sophomore, you are expected to participate in College Forum events, and you choose the programs that best meet your needs and interests. During your junior and senior years, it is expected that a mature level of interest and a sense of responsibility will assure your participation in the College Forum.

Theatre The expanded Light Fine Arts Building now has three theatres for three different types of productions. These stages (open, thrust, and arena) permit great latitude in play selection, design, and direction. Six major productions, selected from theatre classics and contemporary writing, and a Faculty Readers’ Theatre are presented each year by the department of theatre and communication arts. Auditions are open to all students. You may also participate in a studio theatre series of one-act plays and original drama. You also have the opportunity to participate in acting, directing, writing, scenery, lighting, costume design, and make-up.

Each year the department offers eight awards for excellence—for best acting in a principal role (two), in a supporting role (two), and in a bit role (two); an award for technical theatre; and an award for the most valuable contribution to the theatre program.

Each summer, Kalamazoo College sponsors Festival Playhouse, a resident professional repertory company that presents a series of plays, special seminars, and lectures in production skills or dramatic genres. The company consists of experienced actors, many of them alumni, and a guest actor, director, or playwright. Students may participate as apprentices in acting or technical work.

Music The College Singers, Motet Choir, Madrigal Singer’s Collegium Musicum, Wind Ensemble, Chamber Orchestra, and the chorus and orchestra of the Bach Festival are open to any student who is qualified. These ensembles provide a variety of recitals and concerts of formal and informal nature. Annual events include the Bach Festival Christmas concert, Bach Festival week (a College/community presentation of baroque music), and the Christmas Carol Service sponsored in cooperation with the Office of Student Life.

Another musical offering by the College is the Music Center, which offers musical instruction—principally in strings, keyboard, and voice—to students of pre-college or post-college ages.

Art As an integral part of its program, the art department sponsors demonstrations and lectures by visiting artists and art historians, and schedules trips to museums in Detroit and Chicago. The artist-in-residence program allows students to participate by working with an artist in the studio. For example, under the direction of New York artist Fritz Bultman, the mural for the Light Fine Arts Building stained glass windows was executed by a number of students in an open workshop. The College gallery, in addition
to exhibitions by students and faculty, presents works by artists outside the College.

**Fine Arts Festival** Each spring, Kalamazoo College sponsors a Fine Arts Festival and brings to campus a guest artist to share his/her expertise in the performing or fine arts. The Festival also includes musical events, theatre, exhibits, and other fine arts events.

**Athletics** The intercollegiate athletic program at Kalamazoo College is considered an integral part of the total academic program. The department of physical education administers athletics under the supervision of the committee on athletics. To participate, you must be making normal progress toward a degree. You are not eligible to participate if you are on probation.

**Men's intercollegiate athletics**—Kalamazoo College is a member of the Michigan Intercollegiate Athletic Association (MIAA) and the National Collegiate Athletic Association, and its male athletes compete in baseball, basketball, cross country, football, golf, soccer, swimming, tennis, and wrestling.

Interested alumni and friends give annual awards to students for athletic achievement. The names of award winners are inscribed on trophies and plaques which are displayed in the gymnasium. Included among the awards are the C. W. “Opie” Davis award (1966) for the outstanding senior athlete; the Harold S. Garrison trophy (1946) for most valuable basketball player; the Edwin G. Gemrich plaque (1955) for most valuable male athlete in track and field; the H. Colin Hackney plaque (1954), given to the recipient of the Kalamazoo College Athletic Association award; the K-Club trophy (1951) for the most valuable football player; the Clark W. MacKenzie plaque (1954) for most improved football player; and the Walter “Cap” Scharff award (1959) for most valuable golfer.

**Women’s intercollegiate athletics**—Kalamazoo College is a member of the MIAA and the Association for Intercollegiate Athletics for Women (AIAW), and its female athletes compete in basketball, field hockey, soccer, swimming, tennis, and volleyball.

The Mary Long Burch award is given annually to a senior woman who has demonstrated interest in sports and excelled in scholarship.

**Intramural sports** Intramural sports, organized and administered by the physical education department, include volleyball, basketball, badminton, tennis, touch football, and softball, with other activities added upon request. Nonstructured recreation is available in fencing, swimming, and gymnastics. Studio productions in contemporary dance supplement the instructional dance classes.
Student Life

Activities  The Office of Student Activities plans and implements a variety of student activities through the year. The staff serves as program consultants for student organizations and the residence hall staff, coordinates outdoor programs, coordinates the planning of the quarterly calendar, and works closely with the College Union Board to plan campus activities.

Counseling  The Counseling Office provides you the opportunity to share your concerns, express your feelings, clarify your perceptions, and discuss possible alternative actions. You do not need to have a specific problem in order to talk to a counselor. You are welcome to discuss questions of academic or personal concern at any time. A consulting psychiatrist is retained by the College, and you can make appointments with him through the Counseling Office.

Several programs and workshops are presented each quarter by the Counseling Office. Counselors are available to serve as facilitators for small discussion groups. Appointments can be made with other staff members in the Office of Student Life for conferences on academic or personal problems.

Religious Life  Kalamazoo College actively cultivates its historic connection with the American Baptist Church. It provides an environment for learning which takes seriously the dimension of faith. The religious program of the College is in the broad Protestant tradition and respects the religious integrity of every student.

A weekly service of worship called Friday Chapel is offered each Friday of the quarter. It is planned by a committee of students, faculty, and administrators and reflects the major religious traditions represented in the College community. It is an entirely voluntary service. In addition, there are also special convocations throughout the year—Honors Day Convocation in the fall quarter, Scholars Day Convocation in winter and Founders' Day Convocation in spring. The traditional Christmas Carol Service highlights the celebration of the end of fall quarter and services built around Jewish festivals and Roman Catholic themes are offered during the year.

Religious organizations on campus are initiated by students. The dean of the chapel provides assistance to these groups and also sponsors occasional retreats, assists those who wish to attend special conferences, and offers counseling for those interested in theological training.

The Homer J. Armstrong Endowment in Religion, established in 1969, provides funds to bring relevant voices to campus for study and dialogue.

Health Center  The primary responsibility of the Health Center at Kalamazoo College is to reduce to a minimum, through high quality health care, your time spent in illness. The Center is staffed by a physician and a registered nurse who are available during regularly scheduled hours and are on call for emergencies.

Medication, some laboratory services, and Foreign Study immunizations are provided to you at cost. Emergency treatment, x-rays, and other lab tests are done at Bronson Hospital. You are advised to have medical coverage through a family policy or the College student health insurance plan.

If necessary, you will be referred to a dentist, ophthalmologist, or other specialists in Kalamazoo. A consulting psychiatrist is available for appointments.

As an entering student, you are required to submit a self-completed medical history questionnaire or a physical examination form completed by a physician before you can be considered fully enrolled. A tuberculosis test within the last year is also required.

Residential Life  The Office of Residential Life is responsible for the overall quality of life in the residence halls. Some specific responsibilities include staff selection and training, residence hall programs, and housing assignments. The office also acts as a liaison between students and maintenance, food service and security.
College Policies

General policies Kalamazoo College assumes that you will conduct yourself as a responsible person, guided by the basic principles of the Judeo-Christian tradition, whether you are in residence, off campus working/studying under College programs, or as part of the larger community.

When you voluntarily become a part of Kalamazoo College, you should understand the rules and regulations necessary for the most effective operation of the College and live up to them both in spirit and practice. If you violate the commonly accepted standards of conduct, honor, or good citizenship either on campus or in the larger community, or if you refuse to abide by the regulations of the College, you will be subject to such penalties as the circumstances justify.

Kalamazoo College reserves the right to dismiss any student whose conduct is detrimental to the welfare of the College.

The established policy of the Board of Trustees in regard to the exercise of disciplinary power by the College during times of emergency is basically this: The administrative responsibility rests with the president and his staff. As the Board has expressed in its by-laws, the president is the "executive head of all departments of the College" and is "responsible for the discipline of the College." It follows that, in times of crisis, the Board of Trustees shall hold the president responsible for the protection of life and property and give him the necessary power with which to deal with those problems. He and his staff are expected to take those steps which appear to be in the best interests of the College community. Procedures employed in disciplining students under normal nonemergency conditions may be suspended, if necessary, in a crisis situation.

In Michigan the age of majority is 18. Most of you, therefore, will be legal adults when you enter Kalamazoo County. All rights, privileges, obligations, and responsibilities now belong to every 18-year-old within the state whether or not you are a citizen of Michigan.

Kalamazoo College subscribes fully to the guidelines set forth in the Family Educational Rights and Privacy Act of 1974 concerning student information and records. Access to your student records and files can be arranged through the registrar of the College.

If you intend to marry before you graduate, you are asked to inform the vice-president for student life so that the appropriate College offices will be aware of your change in status.

Social policies The Kalamazoo College Student Handbook, which is prepared by the Office of Student Life, details many College policies for you including the honor system, social policies, the judicial process, student services, residence hall policies, and College regulations. Specific policies are listed below and more comprehensive information may be found in the student handbook. Major policies of concern to the whole College community and ones which, as a church-related college, are important for you to understand are the following:

Alcoholic beverages—You are expected to comply with the College's alcohol policy and Michigan state law, which states that it is illegal to purchase, consume, or possess alcoholic beverages unless you have reached the age of 21. If you are of legal age, you may possess and/or consume alcoholic beverages only in residence hall rooms and suites. The public use of alcoholic beverages by students of legal age is permitted on campus by special permission only. Furnishing alcoholic beverages to minors, and any breach of taste induced or encouraged by drinking, including drunkenness, will not be tolerated.

Gambling—All forms of gambling are prohibited.

Drugs—The unauthorized sale, dispensation, use, or possession of drugs which constitute a violation of federal, state, or municipal laws will not be tolerated by the College.

Food—Neither storage nor cooking of food in College residence halls is permitted, for health and safety reasons. Refreshments for special occasions are permissible.

Unauthorized presence in a closed building—You may not be in a closed
building without permission.

Keys—You are expected to use only those College keys which have been officially issued to you. The unauthorized use of a key cannot be tolerated.

Money and valuables—The College is not responsible for money, jewelry, or other personal belongings in your rooms.

Firearms—The possession of firearms by students is strictly forbidden.

Vandalism, theft, assault—You are expected to respect College property and the private property of students and other members of the campus community. Therefore, the College cannot tolerate vandalism, theft, or assault.

Pets—Pets, other than fish, are prohibited.

Motor vehicles (automobiles, motorcycles, etc.)—Freshmen, with the exception of commuting students who may drive to campus, are not permitted to have or use motor vehicles on campus. Upperclassmen may bring cars to campus but must register them with the Office of Student Life on arrival.
The Kalamazoo Plan

Career Development Internship
Foreign Study
Senior Individualized Project
The Kalamazoo Plan

The Kalamazoo Plan in the liberal arts builds many kinds of learning into the regular educational program of the College. This unique interrelationship combines foreign study, career development, and individualized projects off campus with academic courses, cocurricular activities, and residential living experiences on campus.

A year-round calendar, divided into four quarters, allows you a continuous educational process. During any given year, you spend no more than three quarters on campus and explore only three courses in each quarter—an arrangement which encourages intensive concentration and independent study.

And, because each Kalamazoo professor teaches only two classes per quarter, you can meet together often and creatively for individual counseling and discussion.

By combining formal in-class learning with structured experiences in settings off campus, you receive the best possible preparation for graduate school, a career, and a fulfilling life. Thus, the liberal arts become the most "practical" form of higher learning for your rapidly changing world. The Kalamazoo Plan, which effectively alternates periods of on-campus study with off-campus experiences, will help you become a more self-directed and active learner. In addition, you will see the relevance of your studies and become a more highly motivated learner.

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Plan A

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Career Development Internship

Your first off-campus experience at Kalamazoo College is the Career Development Internship, which normally occurs during spring quarter of your sophomore year. Your goals in the Career Development Internship are: (1) to integrate facts and ideas with your experiences; (2) to learn more about yourself and your abilities, values, goals, and career interests; (3) to experience a variety of learning environments and to reduce intellectual and geographical parochialism; (4) to take greater responsibility for your education and life; (5) to understand the world of work.

Your placement is arranged in the private, public, or non-profit sector, in organizations of various kinds and sizes. More than 250 Kalamazoo College students participate each year, both in the United States and abroad. Some internships are regular wage-earning positions, others carry a stipend or the support of the federal College Work Study Program, still others are voluntary or provide only room and board. There are opportunities in social work and education, in research and medicine, in museums and theatres, in law and government, in business and industry. There are currently more than 400 internships available, and you are encouraged to develop your own position to better meet your individual needs. Since this is your first off-campus experience, the staff of the Career Development Center works closely with you. Group meetings are held during the fall and winter quarters to explain procedures to you and to distribute the necessary forms and materials. Individual counseling also occurs to insure a good match between your interests and the needs of employers. You will learn early the value of career planning and decision making as you prepare resumes for employers and frequently interview for positions. Since the thrust of the Career Development Internship is academic, you are required to develop learning plans, be evaluated by your supervisors, and be visited by a professional from the Career Development Center. Orientations are held prior to your internship, which deal with, among other things, ways to enhance the educational value of your internship and ways to find housing in new areas. Upon your return, you attend “debriefing” meetings and finally turn in a reflective/evaluative paper of your internship.

Foreign Study

Through the long-established Foreign Study Program at Kalamazoo College, you can become acquainted in some depth with a culture, a language, a people, and an educational system different from your own. You usually live with a host family, and have time for personal travel and the opportunity for cultural immersion. Although neither compulsory nor automatically available, the program for 20 years has involved the majority of all Kalamazoo College students, and you will find it an academically stimulating and personally enriching experience.

The College maintains several Foreign Study centers throughout the world. Although each overseas experience is unique, there are three general options: a two-quarter plan (the usual plan for most students), a one-quarter plan, and a three-quarter plan.

Two quarters (4 units credit) The Foreign Study Program maintains centers in France, Germany, Great Britain (theatre program), Spain, Sierra Leone, Nigeria, and Kenya in the fall and winter, and in Liberia in the summer and fall. You will be assigned to a specific center on the basis of your language proficiency, your personal qualifications, and the space available in the center.

The centers in France—At both Caen and Clermont-Ferrand, four units of French are the minimum requirement. Caen is principally for French majors, and Clermont-Ferrand requires good proficiency in French. If you are assigned to either of these universities, you will par-
participate in four weeks of intensive study at the audio-visual center in Vichy before proceeding to regular university classes conducted in French.

At Strasbourg, the minimum requirement is three units of French. After an intensive three-week program of language study and orientation, you will study in French at the university's Institute of Foreign Students.

At Aix-en-Provence, the minimum requirement is two units (or the equivalent) of college French. You will enroll in the Institute for American Universities, affiliated with the University of Aix-Marseille, which was organized to provide a program of English and French courses for American undergraduates from several colleges and universities.

The centers in Germany—At Bonn, you must meet the minimum requirement of four units of German. After one month of intensive language study, you will enroll at the University of Bonn in regular courses conducted in German.

At Erlangen, the minimum requirement is three units of German. You will participate in intensive language study and orientation during your first month; thereafter, you will do all academic work in German either in special courses or in regular university offerings.

At Hannover, the minimum requirement is three units (or the equivalent) of college German. After four weeks of intensive language study, you will enroll in regular courses, conducted in German, at the Padagogische Hochschule. A special language course will be offered throughout the program.

At Münster, the minimum requirement is two units (or the equivalent) of college German. You will continue your study of
German both in and out of the classroom and attend special courses taught in German and English. You also may audit university courses and use certain university facilities.

Other centers—There are other centers in which you may study under the two-quarter plan. At Madrid, Spain, the minimum requirement is three units of Spanish. After a month’s intensive language study, you will participate in college-level courses conducted in Spanish and taught especially for Kalamazoo College students.

At Bogota, Colombia, the minimum requirement is three units of Spanish. The Great Lakes Colleges Association has established this Foreign Study center with Kenyon College as its agent. You will enroll in special courses designed for American students but taught by Colombians in Spanish. Regular university courses are also available to you.

Kalamazoo College maintains several Foreign Study centers in Africa. They include the University of Sierra Leone at Freetown and Njala in Sierra Leone, the University of Nairobi in Kenya, Cuttinton College in Liberia, and the University of Ife in Nigeria. At these centers, you will enroll in regular university courses taught in English. These programs are planned for students who are academically able to do British-type university work, who have a strong desire to learn about Africa by living and studying there, and who possess the personal maturity to function effectively in an African setting.

Kalamazoo College students have also studied under the two-quarter plan in Israel, Taiwan, Yugoslavia, and Hong Kong.

One quarter (3 units total credit, 2 in language) This program is designed as a one-quarter (spring) Foreign Study option for sophomores and some juniors.*

France—At Caen (and Strasbourg, if Caen has an overflow of applicants) the minimum requirement is two units (or the equivalent) of college French. You will continue your study in French, attend one special course taught in English, and have the opportunity to use certain university facilities.

Germany—At Münster (and Hannover, if Münster has an overflow of applicants) the minimum requirement is two units (or the equivalent) of college German. You will continue your study of German and attend one special course taught in English.

Spain—At Madrid, the minimum requirement is two units of Spanish. You will continue your study of Spanish and attend one special course in English.

Three quarters (7 units credit) The College offers Foreign Study at several of its centers for three quarters. Centers include:

Japan—At Tokyo, the minimum requirement is two units of Japanese studied in the Neglected Languages Program at the College plus the recommendation of the NLP director. The GLCA, with Earlham College as its agent, has established a Foreign Study center at Waseda University (summer, fall, and winter only). At Waseda, you will do work in English in courses designed for non-Japanese students and study the Japanese language at appropriate levels.

Ghana—At the University of Ghana in Legon, you will enroll in regular university courses taught in English. The program is planned for students who are academically able to do British-type university work, who have a strong desire to learn about Africa by living and studying there, and who possess the personal maturity to function effectively in an African setting.

Senegal—At the University of Dakar in Senegal, you will enroll in regular university courses taught in French. A minimum of four units of French is required for participation.

In addition to these centers, you may participate in a three-quarter Foreign Study plan in the English-language programs of Turkey and the United Kingdom.*

*In order to receive full credit, you should have a maximum of three units of French, German, or Spanish.
College Foreign Study Locations Since 1958

Australia—2 students
Colombia
Bogota—83 students
Ecuador
Quito—6 students
Egypt—1 student
Finland
Helsinki—1 student
France
Vichy, Caen—626 students
Vichy, Clermont-Ferrand—192 students
Aix-en-Provence—314 students
Strasbourg—419 students
Germany
Bonn—373 students
Münster—718 students
Erlangen—418 students
Hannover—323 students
Jülich—27 students
Berlin—3 students
Ghana
Legon—28 students
Kumasi—1 student
Greece—6 students
Hong Kong—3 students
India—8 students
Israel
Jerusalem—17 students
Italy—14 students
Japan
Tokyo—31 students
Kenya
Nairobi—67 students
Lebanon
Beirut—21 students
Liberia—55 students
Mexico
Guanajuato,
Mexico City—6 students
Nigeria—8 students
Norway—2 students
Portugal
Lisbon—6 students
USSR—1 student
Senegal—24 students
Sierra Leone
Freetown and Njala—204 students
Singapore—1 student
Spain
Madrid—593 students
Segovia—13 students
Sweden—11 students
Switzerland—1 student
Taiwan—2 students
Turkey
Istanbul—12 students
United Kingdom—113 students
Yugoslavia—5 students

TOTAL: As of winter, 1981, 4770 students have studied in 32 countries
General Foreign Study information  You pay only the usual on-campus College fees for your first quarter of Foreign Study, half fees for your second quarter. If you choose the three-quarter option, you are charged full fees for the third quarter. Fees charged for GLCA and non-Kalamazoo College program vary. However, in no case will you pay less than the fees charged for the College’s own Foreign Study Program. If you go to Aix-en-Provence or Nairobi, you will be billed supplementary charges to cover the extra costs of these two programs. Consult the director of Foreign Study for specific costs.

The difference between Kalamazoo College’s Foreign Study Program charges and the actual cost of the program is provided from the S. R. Light Trust Fund which forms the major foundation of the Foreign Study Program.

Foreign Study fees cover your transportation from the port of departure (New York or Montreal) to the foreign center, and from the foreign port of departure to the original departure port; room and board while classes are in session; all academic tuition and fees; and some excursions. These charges do not include transportation between your home and the point of departure; costs of passports, pictures, and inoculations (the College gives these at cost); independent travel; and incidental expenses en route and abroad. The amount you spend above what you pay the College will vary; returning students suggest that an average of $900 extra for one quarter and $1,700 for two is fairly realistic. If you hold a scholarship, it will be in force for the first quarter abroad but not for the second, whether or not the scholarship money comes from the College. Scholarship support for a third quarter varies with the individual programs and is subject to negotiation with the director of Foreign Study.

A faculty member normally will meet each group as it arrives abroad, and College personnel visit each Foreign Study center regularly so you retain a feeling of continuity with Kalamazoo. At each foreign center, someone specifically represents the College. In most centers you will live with a family; in a few you will be housed in university dormitories.

In the quarter preceding your overseas experience, required weekly orientation sessions are held on campus. Former student participants and faculty members will answer your questions and make suggestions so that you will feel prepared to make the most of your experience.

You should plan your program to include foreign language in the quarter directly preceding your overseas experience. If you plan to study at a French or German university or in Senegal, you must be enrolled in the language class during the quarter preceding Foreign Study.

Usually foreign students, married students, and those on probation do not participate in the Foreign Study Program. If you are a transfer student, you should talk with the director of Foreign Study about your possible participation.

African Studies Program  The African Studies Program, established by Kalamazoo College in the summer of 1969, gives the opportunity for students in all colleges of the Great Lakes Colleges Association and a few selected students from other universities to study in Africa.

As a participant, you enroll at Kalamazoo College during the summer, with the entire program of College activities open to you. In this program you will find courses including Ethnology of Africa, African History, Economics of Africa, African Literature, and Politics of Africa. When there is sufficient student interest, Swahili can sometimes be offered through the Neglected Languages Program. Complementing these studies are art exhibits, lectures, seminars, films, and other cultural activities related to the program. As do many of the program participants, you may apply for selection to study in Africa under the Kalamazoo College Foreign Study Program, primarily during the fall and winter. Kalamazoo College has study centers in Sierra Leone (Fourah Bay College and Njala University College), Ghana (University of Ghana, Legon), Kenya (National University of Kenya, Nairobi), Nigeria (University of Ife), and Senegal (University of Dakar).
Senior Individualized Project

The Senior Individualized Project (SIP), which is a graduation requirement, usually is undertaken in the fall or winter quarter of your senior year, depending on your academic major. You assume the initiative for creating a project and outlining its objectives. In consultation with a faculty member who will act as supervisor of your SIP, you will determine the project’s form, number of credits to be awarded upon successful completion, and the environment in which it is to be pursued.

The SIP is a culminating experience and most often utilizes the concepts and ideas, methods, and techniques of your undergraduate experience toward the creation of a thesis in your major area. You may, however, with departmental approval, use any appropriate form—creative work in the arts, laboratory or field research, student teaching, or (under exceptional circumstances) study at another institution which emphasizes your special interest. With appropriate background you may be able to do the SIP outside of your major area. Although generally your SIP is an off-campus project which may be pursued anywhere, in some cases you might benefit most from remaining on campus taking additional course work. This is an exceptional alternative and must be approved by the Academic Standards Committee.

Each department has specific requirements including deadlines, format, etc. for the SIP. This information is available in the department office or in the Provost’s Office. Projects are normally due the first day of the quarter following the SIP term, and grades are due at the end of the eighth week of that quarter. Any project not completed by Commencement automatically will receive a mark of no credit. The SIP usually carries two units of credit, but in special circumstances one or three units may be awarded. SIPS are graded honors, credit, or no credit. If you receive no credit for your SIP, you may register for another SIP or have the option (with the approval of the Academic Standards Committee) of satisfying the requirements by taking courses at the College in the summer quarter following your senior year. Senior transfers are ineligible to participate in the SIP program and the SIP graduation requirement is waived for them. Further details of the program can be found in the SIP handbook.
Academic Information

Academic Administration
Bachelor of Arts Degree
Career Planning
Advanced Programs
Academic Freedom
Honor System
Academic Committees
College Honors
Awards and Prizes
Postgraduate Awards
Academic Administration

Academic advising When you enter Kalamazoo College, you will have a faculty member assigned as your academic adviser. This adviser will assist you with course selection, registration, and choice of major, and will inform you about graduation requirements and on-campus and off-campus programs. Any deviation from the on-off quarter patterns requires approval of the faculty adviser and the Academic Standards Committee. All students are expected to follow the K Plan.

The dean of academic advising facilitates a change of adviser if you request a change. Usually you declare your major during the second quarter of your sophomore year and then select a new adviser from your major department.

Registration Preregistration occurs during each quarter that you are on campus. During a specified period of time, you consult with your academic advisor and select your courses for your next term on campus. Preregistration dates and times are announced each quarter in the daily bulletin of the College. You will be assessed a late registration fee of $10 if one day late and $20 if more than one day late. You become officially registered in your classes when you complete your financial arrangements with the Business Office.

Overloads/underloads The normal academic load is three units per quarter. To request an overload, you file a deviation request with the Academic Standards Committee no later than the sixth week of the quarter immediately preceding the one in which the overload is sought. Overloads may be granted if you have an outstanding academic record.

It is possible for you to elect only two courses with special permission of the dean of academic advising. It is important that you discuss the ramifications of an underload with the counselor and dean.

Drop/add Because of the length of time provided for academic counseling, you may drop/add only with permission. Through Thursday of the first week of the quarter, your adviser grants permission. After that, both your adviser and the professor involved in the addition must give approval and a fee is assessed.

Withdrawal You may withdraw from a class during the first three weeks of the quarter with the approval of your adviser and the dean of academic advising. After the third week, only serious illness or family emergency is considered a possible condition for withdrawal from a class. You should direct any inquiry regarding withdrawal to the dean of academic advising.

Attendance Kalamazoo College regards class attendance as a student responsibility. When you enroll in a course, you become accountable for all the requirements of that course. You should make it a practice to inform your instructor, if possible in advance, of any expected absence. Absences are regulated only for freshmen, who are permitted no more than three voluntary absences in any course, but faculty members may report to the dean of academic advising the name of any student whose absence is impairing his or her academic work.

Grades Grades at Kalamazoo College are reported as A (excellent), B (above average), C (average), D (below average), F (failure), I (incomplete), and credit/no credit. You will receive a grade report at the end of each quarter.

Courses taken on Foreign Study and in off-campus GLCA programs are evaluated credit/no credit. The Senior Individualized Project is marked honors, credit, or no credit. All physical education activities are evaluated credit/no credit.

An I (incomplete) is recorded when your work is of acceptable quality but has not been finished because of illness or some extraordinary circumstance. It is not given for poor or neglected work. Your instructor will indicate to the Records Office the reasons for an incomplete grade and the date by which the work must be completed. You are responsible for completing the work by that date. A grade of I automatically becomes an F if it has not been removed by the end of the sixth week of the following quarter, whether you are on or off campus.

If you are engaged in advanced study or research that is not finished at the end of
the quarter, your instructor may give the Records Office a report of "in progress" followed by the tentative grade in parenthesis.

You may repeat courses only if you have received a D or an E. If repeated, the units are counted once but both appear on your permanent record. The grade you achieve in the repeated course counts in your grade point average.

Credit/no credit If an individual instructor grants permission, you may as a senior elect one course outside your major to be evaluated credit/no credit. You must make this decision before you complete your first week of classes. The credit/no credit form, available in the Records Office, must be filed in that office on or before Friday of your first week.

Grade points The grade point system at Kalamazoo College assigns four points to A, three to B, two to C, one to D, zero to F. You can determine your grade point average by dividing the total number of grade points which you have earned by the total number of units for which you have earned a letter grade (A, B, C, D, or F). Credit/no credit courses are not included in the calculation; a grade of I is not counted in the total units or points.

Classification of students The class in which you are ranked is determined generally as follows: freshman, 0-7 units; sophomore, 8-16 units; junior, 17-26 units; senior, 27 units. Classification is made each year in the fall and may also be related to your expected year of graduation.

Study at other institutions A limited amount of credit may be accepted for work done at other accredited institutions during one of your off-campus quarters. This work, which does not reduce the residency requirement of Kalamazoo College, must be approved in advance by your adviser, the registrar, and the department involved. You may obtain both the guest student and transmission of credit forms from the Records Office.

You may transfer two units of credit for Peace Corps work under the same regulations used for any other transfer credit.

Interinstitutional exchange Through an interinstitutional exchange agreement with the three other institutions of higher education in Kalamazoo, you may take courses not offered at Kalamazoo College at one of the other institutions at no extra charge if space permits and scheduling difficulties caused by calendar differences can be overcome. You must make arrangements with the registrar of the College in advance of the other institution's starting date.

Transcripts There are two kinds of record transcripts: (1) the official transcript bearing the seal of the College which is issued only for transfer of credit to other educational institutions and for the information of certifying agencies or employers; and (2) the transcript without the seal which may be issued directly to you. Transcripts are issued only upon your written request. You are entitled to one transcript free of charge and may obtain additional copies for $2 each, with a reduced rate for multiple copies made at the same time.

No transcripts are issued until you have made satisfactorily arrangements with the Business Office for payment of any College bills or fines.

Academic standings Your adviser, instructors, and the dean of academic advising cooperate in reviewing your progress and the quality of your work. If you perform at a level clearly below that which is expected, this fact will be reported to the Academic Standards Committee.

Probation—You will be placed on academic probation whenever you accumulate grades below C in more than one-third of your total units, or whenever the Academic Standards Committee finds that you are in academic jeopardy.

Dismissal—If your record clearly indicates that it is unlikely that you can meet the College's graduation requirements, the Academic Standards Committee may declare you ineligible to continue at Kalamazoo College. You may not attempt more than 42 units to meet the graduation requirements. You will be dismissed for poor scholarship if you acquire more than 14 units with grades below C.
Bachelor of Arts Degree

Degree requirements You are responsible for understanding Kalamazoo College's degree requirements and for arranging your course of study accordingly.

The program leading to the bachelor of arts degree is designed to give you a general education in each curricular division with a focus in one department or field of study. You will be recommended for the bachelor of arts degree when you have successfully completed 35 academic units, earning C or better in a minimum of 24 units, when you have met the distributional and cocurricular requirements, when you have completed a major, and when you are in good standing in the College community.

A unit is defined as five class appointments a week, or their equivalent, pursued for one quarter. The usual schedule, therefore, consists of three units each quarter, not including the cocurricular requirements. If you are admitted with advanced standing, you must meet the same degree requirements.

Distributional requirements You must meet the following requirements in each division of the College.

Division I: Languages and Literature—To fulfill the literature requirement, you must earn two units of literature in any department in the division. To meet the foreign language requirement, you must demonstrate proficiency in a foreign language. You can do this (1) by earning credit in the advanced intermediate course 420 of a foreign language, or (2) by demonstrating in a placement test your competence in a foreign language which is equivalent to the completion of course 420 in that language. The test may be taken prior to enrollment or at a later examination period. If you have one or more high school units in a foreign language and expect to continue the study of that language at the College, you are required to take a placement test. If you are from abroad with a mother tongue other than English, you need not take a foreign language.

Division II: Natural Sciences and Mathematics—You will earn three units of science and mathematics. You may use no more than two units of mathematics and computer science to satisfy this requirement.

Division III: Humanities—You will earn three units in this division, two of which must be chosen from philosophy and/or religion and one in art, music, or theatre and communication arts.

Division IV: Social Sciences—You will earn four units in theoretical and historical courses chosen from at least two departments in the social sciences division.

Proficiency in writing All incoming students, including transfer and foreign students, will take a writing test prepared by the English department. On the basis of these test results, considered in conjunction with the verbal scores from SAT/ACT and any previous college work, students will be placed by the English department into three groups: (1) those who are proficient in writing, meeting the requirement by the test; (2) those who can meet the requirement through satisfactorily completing English 130: Freshman Seminar, or other freshman seminars designated as writing courses (with the exception of journalism or creative writing, English 130 will also satisfy a literature distributional requirement); (3) those who must meet the requirement by satisfactorily completing English 100: Expository Prose. You must meet this requirement during your first year on campus except in extraordinary circumstances.

Field of major Your major will consist of not less than eight academic units in one department with a grade of C or better in each unit. If you are interested in an interdisciplinary major or a double major, consult your academic adviser.

You must take a minimum of 22 academic units outside your major department. (One unit of major work taken abroad may count as one of these 22.) Major departments may require cognate courses.

Physical education A non-credit course in physical education for each of six quarters fulfills this requirement. You are expected to register for a physical education
course when you are in residence as a freshman or sophomore.

Senior Individualized Project You must complete one quarter of individualized study (usually done off campus) during your senior year. The nature of this requirement varies with each department. Specific regulations can be found in the SIP handbook.

Senior departmental examination You must score a passing mark on the senior departmental examination set by your major department. This examination, which is related to your courses and your individualized study, may take the form of either (1) a written departmental examination, (2) an oral examination, (3) a performance in the field, or (4) any combination of these.

Your performance on the senior departmental examination will be graded passed with distinction, passed, or failed. In no case will you be failed in the examination or awarded honors in your department on the basis of only one type of examination.

Residency requirement To fulfill this requirement, you must have ten full tuition quarters in residence and at least two quarters off campus in College-directed programs for credit if you are a student in the normal four-year program for the bachelor of arts degree. If you do not participate in Foreign Study, you are required to have 11 quarters in residence and at least one quarter off campus in a College-directed program for credit. GLCA programs are considered in residence.

If you have completed at least 32 units at the end of spring quarter of your senior year, you will be a member of that year's graduating class and receive your degree upon completion of your work. If you have fulfilled the College's residency requirement, you may complete your remaining units at another collegiate institution.

If you are a transfer student, you must earn a minimum of eight units at the College, have at least three quarters in residence, and meet the equivalents of all graduation requirements of the College.

If you transfer to the College as a senior, you are ineligible for the Senior Individualized Project. Your major department, however, may devise an individualized program for you.

Other requirements Three additional requirements to be met are: (1) you are expected to participate in the Forum program, (2) as a member of the graduating class you are expected to attend both the Baccalaureate and Commencement ceremonies (you must make any exemption requests through the Office of Student Life), and (3) you must pay all College bills and fees before you are awarded your degree.

Degree with honors The College grants its bachelor of arts degree cum laude if you maintain an overall grade point average of 3.5. Bachelor of arts magna cum laude is awarded to those with a 3.75 average. Bachelor of arts summa cum laude is awarded for a 4.0 average.

If you enter the College with advanced standing from another institution, you are eligible to receive your bachelor of arts degree with honors. Your grade point average will be computed on both your work at Kalamazoo College and on your total work at both institutions, with the lower of the two averages used to determine your eligibility for honors.

The College awards departmental honors to you if you have outstanding achievement in your academic major. In recommending you for honors, a department normally takes into consideration your Senior Individualized Project, your comprehensive examination, and your grade point average in your major. Practice teaching in and of itself does not exclude you from departmental honors, and your overall grade point average is not ordinarily taken into consideration. Departments may make any specific or additional requirements.

Combined curriculum in engineering This curriculum, embracing three years of study at Kalamazoo College followed by a two-year sequence in the college of engineering at the University of Michigan, was approved by the faculties of both institutions in 1940.

When you enter Kalamazoo College, you take specified courses for a period of
three years, then transfer to the University of Michigan. After you have successfully completed one year of study in the college of engineering there and bring your total credits to 35, you will receive your bachelor of arts degree from Kalamazoo College. Upon successful completion of a minimum of two years and one summer session of study at the college of engineering, you will receive the degree of bachelor of science in engineering from the University of Michigan.

Similar dual degree programs in engineering with Washington University in St. Louis, Missouri, and Georgia Institute of Technology were approved by the faculty of Kalamazoo College in 1974. Details of engineering programs are available from the faculty counselor in engineering.

Combined curricula in health professions Each year a small number of Kalamazoo College students, by virtue of their superior academic performance and high scores on admissions examinations of professional schools, are admitted to schools of medicine or dentistry at the end of their junior year. If you plan your academic program so that you complete your distributional requirements by the end of your junior year and then begin professional study in a recognized school of medicine, dentistry, osteopathy, optometry, or podiatric medicine, you will receive your bachelor of arts degree from Kalamazoo College upon successful completion of one year of study at the professional school.

Women's studies Women's studies is an interdisciplinary approach to material by and about women and considers gender as an analytical category like race and class. Women's studies examines the effect of the participation of women in history, culture, and society. The liberal arts are being shaped today by the conviction of many people that women's studies is an important part of an individual's educational experience. Women's studies addresses issues fundamental to a liberal arts education—questioning traditional assumptions, examining values, and inquiring into the ways knowledge has been and is being sought. Students who have pursued women's studies in response to a need for social knowledge and self-knowledge have discovered a body of literature within their disciplines that is critical for the examination of any society's dynamics, institutions, and values.

If you are interested in women's studies, you should plan to take Women in Cross-Cultural Perspective (Sociology/Anthropology 600) during the fall of your sophomore year, and The Literature of Women (English 470) during the summer after your sophomore or junior year. In addition, you should aim toward the upper-level interdisciplinary course, Seminar in Women's Studies (45-600) in your junior or senior spring.

While some courses pay particular attention to women's studies themes, you may explore such topics in practically any course through papers, projects, and additional readings. Your Career Development quarter, Senior Individualized Project, and independent study courses (880) give you the opportunity for academic and experimental work in women's studies. Courses with a women's studies emphasis are not always offered regularly, so you should plan a coherent long-term program with your academic adviser and the women's studies coordinator, Dr. Gail Griffin.

Career Planning Planning for your career is a continuous process throughout your College years and is a function of the Career Development Center. Programs begin during your freshman year and continue through your senior year. Individual counseling and interest inventories are available to you. Workshops are conducted on topics such as self-assessment, skill identification, resume preparation, interviewing, job search strategies, decision-making, time management, market analysis, and selecting a graduate/professional school. Some are one session only, others extend over several weeks or an entire quarter. In addition, panel discussions are arranged, alumni are used as career resources, and you participate in such programs as the Small Business Institute.

Placement Closely related to career planning is placement. It is here that all
that you have done previously is put to use. Most efforts at this stage are personal and individual. Alumni are extremely helpful now, and you are encouraged to get out and talk to people in fields in which you are interested. Recruiters visit campus to interview you. A placement bulletin with information about employment opportunities is published and distributed to you on a regular basis both before and after your graduation. Credential files, containing biographical and educational information as well as letters of reference, are maintained for you. At your request, these credentials are forwarded to prospective employers or graduate schools. Annual alumni surveys are conducted to update information on what you are doing and to get a better idea of your career patterns and those of other graduates.

Advanced Programs

Graduate school and vocational preparation Kalamazoo College's liberal arts program provides the cultural and intellectual foundations necessary for you to understand and cope with change. The flexibility of the Kalamazoo Plan lets you develop a program suited to your individual needs and can provide you the background for graduate and professional study or for direct entry into a variety of vocations.

You will find suggestions for ways to prepare for various vocational and professional fields in the departmental statements in this catalog. Your academic counselor will also provide you assistance about options in various professional occupations. If you plan to enter any of the professions which demand specialized preparation, such as engineering, medicine, teaching, health sciences, etc., you should plan to consult with faculty advisors in these fields when you enter Kalamazoo College. The Career Development Center is an important resource for you in preparing for a specific career.

Information about the master of arts teaching program, offered to BA degree holders by universities throughout the country, may be obtained from the chairman of the department of education.

Graduate scholarships and fellowships Each year members of the graduating class at Kalamazoo College receive the distinction of appointment to important national scholarship programs for graduate students. Kalamazoo graduates have won awards in significant numbers from such foundations as the Rhodes, Watson, Truman, and Rotary. Several faculty members serve as liaison officers for these national programs, and the College's departments and the Career Development Center are active and successful in helping their majors to secure assistantships and fellowships in outstanding graduate schools.
Academic Freedom

Liberal learning requires for its highest effectiveness an environment of free inquiry in which the whole range of human aspiration and achievement, of knowledge and culture, can be subjected to searching scrutiny. Liberal learning of a Christian nature further rejects all claims of absolutism or finality, whether of intellectual systems, methods of inquiry, or institutions. It believes instead that un­ divided truth belongs to God, that all human expressions of truth are relative, and that men should be free to construct and criticize without restraint of official dogmatism. Learning which is both liberal and Christian specifically denies that an idea which is unpopular is for that reason suspect, or that an idea which is popular is for that reason true, and trusts instead in those canons of discrimination which are given in the western tradition of historical scholarship and in the Judaeo-Christian ethic.

Standing self-consciously within the tradition of learning which is both liberal and Christian, Kalamazoo College claims for its teachers and students the freedom to engage in the careful and critical examination of the history of ideas; the freedom to create, to hold, to advocate, and to act in behalf of ideas which express their own convictions and integrity; the freedom to engage in the controversy which an unfettered examination and expression of ideas generates; and the freedom to invite to campus representatives of points of view which are important to an informed understanding of the conflict of ideas in our own time. Since freedom of whatever kind always exists within certain clearly understood boundaries, these freedoms are subject to the following limitations:

(1) The freedom of individual members of the College to hold, advocate, and act in behalf of ideas does not entail the right to receive endorsement or support of those ideas from the College as a corporate body. It is understood that no one may represent himself as a spokesman for the corporate institution who has not been expressly authorized to do so.

(2) Ideas held, whether by members of the College or by its guests, may be advo-
cated openly in order that the processes of learning and of advocacy may be served by open criticism and by counteradvocacy.

(3) It is understood that both advocacy and action will avoid destruction of property and injury to the personal or intellectual rights of others.

(4) It is understood that the commonly accepted prohibitions against plagiarism, slander, libel, and incitement to force and violence are in effect in the exercise of these freedoms.

(5) It is understood that freedom of advocacy and action does not entail the right to violate the regulations of the College with impunity.

The Board of Trustees affirms its belief in upholding academic freedom on the campus. It is convinced that the maximum educational opportunity occurs when the College preserves for all members the right to question, debate, criticize, and dissent. On the other hand, it is equally convinced that freedom is only possible in an environment predicated on peace and orderliness. Therefore, the Board of Trustees wishes it clearly understood that lawlessness, either on or off campus, and interference with the College’s educational process cannot be condoned.

Honor System

Underlying the life of Kalamazoo College are certain assumptions—that all members of the community are here in good faith to learn and teach, that the atmosphere is one of respect and confidence in which learning and teaching can be pursued without distraction, that common standards of morality in academic affairs are accepted by all students and faculty, and that all members of the community are equally responsible for maintaining the moral and intellectual soundness of the College. Believing that the honor system endorsed by a large majority of the students is a natural and proper embodiment of these assumptions, the faculty has subscribed to that honor system and adopted it as College policy. Details of the honor system may be found in the Kalamazoo College Student Handbook.
Academic Committees

Two of the important committees affecting the educational program and academic life of the College and its students are the following:

Academic Standards Committee—Composed of faculty and administrators; determines and reports to the faculty cases involving academic probation, dismissal, and reinstatement of students; acts on student requests for deviations from the normal on/off quarter pattern, and for overloads; reports to the faculty those students who fulfill requirements for earned degrees; and recommends to the faculty, in individual cases, the waiving of specific requirements for the degree.

Educational Policies Committee—Responsible for continuous evaluation of the academic curriculum and programs; makes recommendations to the faculty on matters of educational policy, addition and removal of courses or programs, individualized study, honors work, and group majors.

College Honors

To receive honors recognition, you must carry at least a normal academic load and be in good standing in the College community.

The Dean’s List—You are eligible for the Dean’s List, issued at the end of each quarter, if you have achieved a grade-point average of 3.5 or higher in three courses for that quarter. If, as a senior in your final quarter, you need fewer than three courses to meet the graduation requirements, your eligibility will be based upon the units which you need.

Honors for the Year—This recognition is awarded to those who have attained a grade-point average of 3.5 for the work of the year.

High Honors for the Year—To be awarded high honors, your grade-point average must be 3.75 or higher for the year’s work.

Senior Recognition Night—At the last scheduled Forum program of the spring quarter, awards and special recognition are given to graduating seniors.

Honors Day Convocation—The College observes Honors Day in the fall quarter to award scholastic and special prizes for the previous academic year.

Phi Beta Kappa—The oldest honorary scholarship society in America has a chapter, Delta of Michigan, at Kalamazoo College. Phi Beta Kappa bases its eligibility primarily on high scholarship, and you become eligible for membership as a senior (or as an outstanding junior).

Alpha Lambda Delta—As a freshman student you are eligible for membership in this scholastic honorary society if you attain a grade-point average of 3.5 or higher. Since 1942 Kalamazoo College has been a part of this national organization approved by the Association of American Universities.

Pi Kappa Delta—The national honorary speech fraternity has a chapter, Alpha of Michigan, at Kalamazoo College. Eligibility for membership is based on your participation in a recognized intercollegiate contest in oratory or extemporaneous speaking, or in individual original speaking on two subjects, in five decision debates, or in eight nondecision debates.

Awards and Prizes

The following awards and prizes are offered annually by the College:

O.M. Allen Prize—Established by the family of Mrs. J.D. Clement to be given for the best essay written by a member of the freshman class.

Alliance Francais Prize in French—Given to an advanced student for excellence in French.

Alpha Lambda Delta Senior Award—Presented annually by the National Office of Alpha Lambda Delta to the senior who has maintained the highest grade-point average throughout college.

James Bird Balch Prize in American History—Awarded to that member of the graduating class who has done the best work in the field of American history.

E. Bruce Baxter Memorial Award—Awarded to the graduating senior showing the greatest academic improvement in the field of political science.

Gordon Beaumont Memorial Award—To be awarded to the deserving student
who displays qualities of selflessness, humanitarian concern, and willingness to help others, as exemplified by the life of Gordon Beaumont.

Walter M. and Lawrence R. Blinks Prize in Biology—Established by Dr. Lawrence R. Blinks and awarded to the best senior biology major.

Marshall Hallock Brenner Prize—Established by the family and friends in memory of Marshall Hallock Brenner (class of 1955), to be awarded to an outstanding junior for excellence in the study of psychology.

The Henry Brown Award—Anonymously endowed, to be presented Honors Day “to honor a well-rounded person who is good in academics, on the playing fields, and involved in the whole institution.”

Mary Long Burch Memorial Award—Sponsored by the physical education department to be given to a senior woman who has manifested interest in sports activities and excelled in scholarship.

Robert Bzdyl Prize in Marine Biology—Established by the Bzdyl family in memory of their son Robert (class of 1969). Awarded to one or more students with demonstrated interest and ability in marine biology or related fields.

Campus Citizenship and Leadership Certificate—Established by the class of 1956. Awarded to that member of the graduating class who, in the opinion of the deans and the faculty, has most successfully combined campus citizenship and leadership with scholarship.

Freshman Chemistry Achievement Award—Established by the Chemical Rubber Company. A book, *Handbook of Chemistry and Physics*, awarded to that freshman who has demonstrated the greatest achievement in chemistry.

Cooper Award—Established by the late Charles Cooper, trustee of the College. Awarded to a junior or senior for excellence in a piece of creative work in a theatre and communication arts department class: film, acting, design, stagecraft, puppetry, speech.

Cooper Prize in Physics—Endowed in 1981 in memory of Bert H. Cooper by his wife, Charlotte, for excellence in the first year’s work in physics.

LeGrand A. Copley Prize in French—Established by LeGrand A. Copley (class of 1867) to be awarded to those freshmen who have demonstrated the greatest achievement in the department.

The C.W. “Opie” Davis Award—Awarded to that member of the senior class who is considered by the athletic staff to be the best athlete.

Dewing Chemistry Prize—Awarded for excellence in the first year’s work in chemistry.

Dewing Sociological Prize—Awarded for excellence in sociology during the junior year.

Marion H. Dunsmore Prizes in Religion—Established in 1981 by the First Baptist Church of Kalamazoo in honor of Dr. Marion Dunsmore’s 35 years of excellence in teaching religion at the College. One prize to be awarded at Honors Day to any student for excellence in the previous year’s study in religion; the other prize to be awarded at Commencement to a graduating senior for excellence in the major.

George Eaton Errington Prize in Art—Awarded to an outstanding senior art major.

Sara Bartlett/Jeffrey Fink Award in Business—Awarded annually to an outstanding economics major active in extracurricular activities at the College who plans to pursue graduate work or an immediate career in business.

Sara Bartlett/Jeffrey Fink Law Award—Awarded annually to an outstanding economics or political science major active in extracurricular activities at the College who plans to pursue a career in law.

Friday Chapel Prize—for the most significant contribution by a senior to religious life in the College community.

L.J. and Eva “Gibbie” Hemmes Memorial Prize in Philosophy—To be awarded to that sophomore who in the freshman year shows the greatest promise for continuing studies in philosophy.

Raymond L. Hightower Award—Given to a graduating senior by the department for excellence in sociology.

Virginia Hinkelman Memorial Award—To be awarded to the deserving student who displays a deep concern for the well-being of children, as demonstrated through career goals in the field of
child welfare; for example, education, medicine, psychology, sociology, or ministry.

Hodge Prize in Philosophy—Established in memory of Reverend Marvin G. Hodge, DD, to be awarded to that member of the graduating class who, having taken at least five units in philosophy, has the highest standing in the field.

John Wesley Hornbeck Prize in Physics—Endowed by Mrs. Gerald H. Allen and awarded to two students, a senior and a junior, with highest achievement for the year’s work in advanced physics toward a major.

William G. Howard Memorial Fund—Endowed by Harry C. Howard in memory of his father, William G. Howard (class of 1867), trustee of the College for many years. Two prizes, one awarded for excellence in a year’s work in political science, one awarded to that member of the graduating class who has done the best work in a major in economics.

Winfred Peake Jones Prize—Endowed by W.O. Jones to be awarded for excellence in the first year’s work in biology.

Kalamazoo College Athletic Association Award—Awarded to a graduating senior who, in the opinion of the faculty, has most successfully combined high scholarship with athletic prowess during his four years of college.

Irmgard Kowatski Theatre Award—Given in memory of Dr. Kowatski to the senior who has excelled both in academic areas and in theatrical productions during four years at the College.

The C. Wallace Lawrence Prize in Economics—Awarded annually to a pre-business student who has done outstanding work in the department of economics and business administration during the sophomore year, with special emphasis on the Career Development experience.

Clarence Leslie Miller Memorial Prize—Established by Mr. and Mrs. John S. Patton in memory of Clarence Leslie Miller, the second city manager of Kalamazoo, to be awarded to a major in political science who has done distinguished work in municipal research and government.

Music Department Awards—Given by the music department of the College for outstanding contributions to the musical life of the campus, for achievement in performance areas, and for academic achievement.

Provost’s Prize in Classics—Awarded to that student who has demonstrated outstanding ability in classical languages and literature during his or her academic career.

Provost’s Prize in Health Sciences—Awarded to the outstanding senior health sciences major.

Mr. and Mrs. Elwood Schneider Prize in English—Established in 1978 by Mr. and Mrs. Elwood Schneider to be awarded annually for outstanding and creative work in English done by a student of the college who is not an English major.

Senior Anthropology Award—Given by the department to a graduating senior for excellence in anthropology.

Senior Award in Psychology—Given by the psychology department for outstanding undergraduate performance.

Senior German Award—Given by the German department for excellence in German.

Senior Spanish Award—Given by the department of romance languages for outstanding achievement in Spanish.

Sherwood Prize—Endowed by Reverend Adiel Sherwood, DD, of St. Louis, to be given for the best oral presentation in a speech-oriented class.

Fan E. Sherwood Memorial Prize—Awarded for outstanding progress and ability on the violin, viola, cello, or bass, this award will be given annually to an orchestral string player who will use the funds toward the purchase of a musical instrument, music, and/or further musical study. Candidates for the prize are to be nominated by the chairman of the string area of the music department and approved by the president of the College.

Lemuel F. Smith Award—Established in 1944 by an alumnus, to be given to the major in chemistry, pursuing the American Chemical Society approved curriculum, and having at the end of his or her junior year the highest average standing in courses taken in chemistry, physics, and mathematics.

The Eugene P. Stermer Awards in Business Administration and Public Ad-
ministration—Given by Michael L. Moore (class of 1964) to honor Eugene P. Stermer (class of 1951), to be awarded to a student in economics and business administration and to one in public administration for excellence in academic work of the senior year.

Mary Clifford Stetson Prize—Established by President Herbert Lee Stetson to honor his wife, Mary Clifford Stetson, to be given for excellence in English essay writing by a senior.

Dwight and Leola Stocker Prize in English Writing—Given by Mr. Dwight Stocker (a member of the Board of Trustees) and Mrs. Stocker for excellence in English writing, prose or poetry, fact or fiction.

Stone Prize—Established by the trustees of Kalamazoo College through a gift from the Mrs. Sarah Messen Thurston estate in honor of President J.A.B. Stone, DD, to be awarded for excellence in the department of education.

Margaret Upton Prize in Music—Provided by the Women's Council of Kalamazoo College and awarded each year to a student or students designated by the music faculty as having made significant achievement in music.

Thomas O. Walton Mathematics Prize—Established by Professor Thomas O. Walton to recognize outstanding performance in mathematics to be awarded to a member of the sophomore class for excellence in the work of the first two years of mathematics.

Michael Waskowsky Prize in Art—Established by James C. Nichols and the art department to be awarded to an outstanding junior or senior art major.

Clarke Benedict Williams Prize in Mathematics—Established by the mathematics majors in the class of 1923 to be given to that member of the graduating class who, having completed at least eight units in mathematics, has made the best record in mathematics and the allied sciences.

Maynard Owen Williams Memorial Award—Established in 1963 in memory of Maynard O. Williams (class of 1910). Award given for best entry, in the form of an essay, poetry, paintings, sketches, photographs, or films, derived from Foreign Study experience.
Postgraduate Awards

**French Government Assistantships**—Three assistantships for teaching English in a French lycee are awarded annually. Assistants are considered employees of the French government and are remunerated according to current rates, which are sufficient to cover living costs. Travel costs must be borne by the assistant.

**German University Awards**—Each year the universities of Bonn, Erlangen, and Münster award one scholarship apiece to candidates nominated by Kalamazoo College. These awards carry a stipend sufficient to cover tuition fees, and living costs for two semesters of study at one of these universities. Travel costs must be borne by the awardee.

**Fulbright-Hays and other grants for graduate study abroad**—The faculty member serving as Fulbright Program adviser may be consulted in the summer of the student's junior year for information on opportunities for graduate study abroad.

**The F.W. Heyl and Elsie L. Heyl Graduate Fellowships**—Established by Dr. Frederick W. Heyl (Hon. 1937) and Mrs. Heyl. Several fellowships to be awarded to graduates of Kalamazoo College interested in pursuing graduate studies in chemistry, physics, or related fields at Yale University. These fellowships will normally carry tuition payments and a stipend.

**Mellon Fellowships in the Humanities**—The Mellon Foundation awards fellowships annually for graduate study to students "who show outstanding promise for careers as teachers and scholars in the humanities." Each fellowship is renewable for a second year on the recommendation of the graduate school in which the fellow is enrolled. This program is administered by the Woodrow Wilson National Fellowship Foundation.

**Herbert Lee Stetson Fellowship**—Provided through a fund bequeathed by President Stetson for graduate study at Harvard University, Yale University, Johns Hopkins University, the University of Chicago, or a European university. The fellowship, which is not for professional work other than in the department of education, is awarded to a student of high moral character with an academic record that will justify the expectation that he or she will develop into a very capable research student or will attain some marked excellence in one of the scholarly fields.

**Thomas J. Watson Fellowships**—Four Kalamazoo College students are nominated annually, in the summer prior to their senior year, to compete nationally for Watson Fellowships. Winners receive $10,000 to support independent projects to be carried out abroad in nonacademic settings during the year following graduation. The program exists to encourage and support students wishing to explore in depth long-standing interests and to test and enhance their capacities to live and work autonomously in an international context. Participation in the Watson Fellowship program is limited to a select group of private colleges and universities and is renewed on an annual basis.
The Curriculum

The course descriptions that follow are presented according to curricular divisions of the liberal arts: Languages and Literature, Natural Sciences and Mathematics, Humanities, and Social Sciences. Also included are the offerings in the physical education department. Distributional requirements for graduation are listed within their respective divisions; complete requirements for the bachelor of arts degree are listed in the section of this catalog on Academic Information. A few of the more specialized courses listed are offered every other year, depending on staffing patterns. Consult the one-year schedule for specifics.

Courses offered by most departments:
130 Freshman Seminar
Concentrated in a class of restricted size for first year students; topics or themes vary from year to year.

800 Group Studies
Individual study in small groups, offered by special arrangement.

890 Individualized Study
Projects elected in consultation with an instructor and with the permission of the department; restricted to qualified upperclassmen.

980-984 Senior Individualized Project
Required independent study in the senior year.
Division I:
Languages and Literature

English
Foreign Languages and Literature
  German
  Neglected Languages
  Romance Languages
    French
    Spanish

Distributional Requirements for Division I
  Proficiency in a foreign language by earning credit for the advanced intermediate course (level 420) or by demonstrating an equal language proficiency through a placement test. Two units in literature chosen from any department in Division I.

Proficiency in Writing Requirement
  All incoming students, including transfers and foreign students, will take a writing test prepared by the English department. On the basis of these test results, considered in conjunction with the verbal scores from SAT/ACT and any previous college work, students will be placed by the department into three groups: (1) those who are proficient in writing, meeting the requirement of the test; (2) those who can meet the writing requirement through satisfactory completion of English 130: Freshman Seminar or other freshman seminars designated as writing courses (with the exception of journalism or creative writing, English 130 will also satisfy a literature distributional requirement); (3) those who must meet the requirement by satisfactory completion of English 100: Expository Prose.
  This requirement will be met during a student's first year on campus except in extraordinary circumstances.
The major in English is a traditionally broad one. In addition to courses in American and English literature, the department also offers you courses in creative writing (poetry and fiction) and journalism. By means of these options, you can individualize your program to achieve a concentration through course work, your selection of a Career Development Internship, and your design of the Senior Individualized Project. Therefore, if you are considering an English major, you should discuss your interests, aims, and needs with departmental faculty early in your College work.

The Major in English

A minimum of eight units, not including 100 and 130. Required are 650 and three courses from the following: 910, 920, 925, 930, 940, 950, 960.

Writing

100 Expository Prose
130 Freshman Seminar
400 Journalistic Prose
410 Creative Writing: Poetry
411 Creative Writing: Prose

Literary Courses (open enrollment)

130 Freshman Seminar
150 Introduction to Literary Study
   An introduction to literary and critical terminology, critical approaches, and those reference tools which lead into the study of literature. Designed to enhance students' understanding and enjoyment of fiction, poetry, and drama through reading of works in these genres. Intended chiefly for freshmen considering a major in English or others with strong interest in literature.

430 Literary Dimension of Film
   Study of such functional elements as image, motif, symbol, metaphor, allegory, paradox, structure, and theme; close viewing of eight modern films; group discussion on the essence and meaning of film.

440 Introduction to the Novel
450 Introduction to Drama
460 Introduction to Modern Poetry
595 The English Novel

Literary Survey

454 20th Century Literature: American or British
   Open enrollment.

470 The Literature of Women
   Works written by women will be studied in order to understand the female literary tradition, the characteristics of literature by women, and the social and psychological conditions of female writers.

520 Classical Literature in Translation
   Survey of the classical epic, drama, and lyric from Homer to Virgil.

550 Readings in American Literature
   Background in American literature for the general student. Not open to students who have taken English 650 or 960.

570 The 19th Century Russian Novel
   Major Russian novelists, including Gogol, Dostoievsky, Turgenev, Tolstoi.

575 20th Century Russian Literature

580 Contemporary Poets I

590 African Literature
630, 635 Shakespeare
   Not open to freshman.

Courses, Seminars, and Special Studies for Majors

(Permission of the department may be given to qualified non-majors.)

650 American Literature I
   For the sophomore who plans additional work in the department.

910 Old and Middle English Literature
920 Literature of the English Renaissance
925 17th Century English Literature
930 English Literature of the Restoration and the 18th Century
940 English Literature of the Romantic Period
950 English Literature of the Victorian and Post-Victorian Period
960 American Literature II Twain, James, Faulkner, and others.
971 Seminar: Literary Criticism

972 Seminar: Creative Poetry Writing
973 Seminar: Creative Prose Writing
975 Seminar: Studies in English Language and Literature

A course designed for those planning teacher certification. Permission of the instructor.

Foreign Languages and Literature

In studying foreign languages, you acquire not only a linguistic skill but an understanding of another people's literature and history. You gain a new perspective from which to view your own country and way of life, and deeper appreciation of the resources of the English language. A knowledge of a foreign language is an important facet of the liberal arts program.

The departments of foreign languages at Kalamazoo College emphasize listening, reading, writing, and speaking at all levels of courses. If you are a foreign language major, you are expected to acquire a proficiency of language skill compatible both with the normal demands of everyday situations abroad and with university study requiring a complete use of the language. Most Kalamazoo College students participate in the Foreign Study Program; if you are a language major, Foreign Study is essential. Language majors are expected to spend two quarters on Foreign Study.

Your classwork and off-campus experiences are augmented by various on-campus opportunities which improve or maintain your language ability. These include foreign films and publications, visiting native speakers and students, language organizations, and language tables in the dining hall. Faculty members meet with you in and out of class, are involved in campus activities, and are prepared to counsel you regarding career choices such as foreign service, music, teaching, science, publishing, foreign trade, and international banking.

Your placement in foreign language courses depends on your score on the CEEB placement examination. You will be placed as follows—scores of 425 or lower (with fewer than three years of high school study), language 300 or 310; 426-500, language 310; 501-550, language 310 or 420; 551-624, language 420; 625 or higher, language 430, 440, or 450. If your CEEB score indicates a choice of two levels, you should consult with the department chair or department representative for placement. A score of 700 or higher may qualify you for more advanced courses.

If you have previously studied a foreign language and have not taken the CEEB test and/or wish to enter at the 310 level or above, you must take the Kalamazoo College placement test.

You may not receive credit for the beginning level language course if you have had three or more years of study in that language.

German Language and Literature (17)

Mr. Bonfiglio, Ms. Bosker, Mr. Brockington, Mr. Fuchs (chair), Mr. Fugate, Ms. Summerfield.

Your placement in German depends on your score on the CEEB placement examination or the Kalamazoo College placement examination. For a guideline to the scores of the placement exam see the foreign languages and literature section.

The Major in German

A minimum of eight units, not including 300 and 310. Required are 440 and 450 (or their equivalent), at least three units of literature, 580 or 590, and 970. Prospective majors should begin German 300 in the fall of their freshman year. Majors are encouraged to elect a second language. Appropriate cognate studies will be developed by each major and the German advisor.

If you plan a teaching major, you are urged to begin German in your freshman year, by
no later than the fall quarter of your sophomore year.

Kalamazoo College has a unique agreement with the German universities of Bonn, Münster, and Erlangen. Each university annually provides a scholarship to a Kalama-
zo college graduate for a year's further study.

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<th>Course</th>
<th>Title</th>
<th>Description</th>
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<tr>
<td>300</td>
<td>Beginning German</td>
<td>Pronunciation, vocabulary, structural analysis, audio-lingual practice, and selected readings.</td>
</tr>
<tr>
<td>310</td>
<td>Intermediate German</td>
<td>Continued audio-lingual and written practice, structural analysis, and conversational skill development. Prerequisite: German 300 or equivalent.</td>
</tr>
<tr>
<td>320</td>
<td>Advanced Intermediate German</td>
<td>Intensive audio-lingual and written practice, structural review, selected readings, introduction to German history and culture. Prerequisite: German 310 or equivalent.</td>
</tr>
<tr>
<td>500</td>
<td>Introduction to Literature</td>
<td>Readings and interpretation of representative works of various literary epochs; introduction to literary history and criticism. Given in German. Prerequisite: German 440 and 450 or equivalent.</td>
</tr>
<tr>
<td>510</td>
<td>German Literature to 1770</td>
<td>Outstanding German literature from the 13th to mid-18th century, such as the Nibelungenlied, Parzival, Simplizissimus, Luther, Gryphius, and Lessing. Lectures, discussions, papers, and reports. Given in German.</td>
</tr>
<tr>
<td>520</td>
<td>German Classicism and Romanticism</td>
<td>Outstanding German authors from the mid-18th to mid-19th century—Goethe, Schiller, Kleist, and Eichendorff. Historical and literary background; Faust I in detail. Given in German.</td>
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<tr>
<td>530</td>
<td>German Literature of the 19th Century</td>
<td>Outstanding German, Austrian, and Swiss authors from 1830 to 1914, such as Hegel, Schopenhauer, Heine, Gotthelf, Keller, Fontane, Stifter, Storm, and Hauptmann. Given in German.</td>
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<tr>
<td>540</td>
<td>German Literature of the 20th Century</td>
<td>Outstanding German, Austrian, and Swiss authors from World War I to the present, such as Hesse, Mann, Kaiser, Hofmannsthal, Kafka, Rilke, Brecht, Musil, Böll, Dürrenmatt, Frisch, Grass, and Christa Wolf. Given in German.</td>
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<tr>
<td>580, 590</td>
<td>Stylistics</td>
<td>Only for students who have mastered the elements of German. Intensive practice in reading, writing, speaking, and understanding German; various styles of writing. Given in German.</td>
</tr>
<tr>
<td>690</td>
<td>Seminar</td>
<td>Aims and methods of literary scholarship; techniques of literary criticism, scholarly reports, and papers. A specific author or topic is usually studied. Given in German.</td>
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**Neglected Languages Program (18)**

*Mr. Fugate (coordinator)*

This program makes it possible for you to study a foreign language not normally in the College curriculum, such as Portuguese, Japanese, Chinese, and Swahili. The special nature of the program makes it impossible to guarantee that each of these languages will be offered every year, and other languages may be offered according to demand and availability of materials. The College makes every effort to combine your language study with a similar Foreign Study experience.

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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>440, 450</td>
<td>Advanced German</td>
<td>Practice in listening, speaking, reading, and writing on an advanced level; modern literary and cultural texts. Prerequisite: German 420 or equivalent.</td>
</tr>
<tr>
<td>500</td>
<td>Introduction to Linguistics</td>
<td>Problems and methods of research in phonetics, phonology, morphology, syntax, and semantics.</td>
</tr>
</tbody>
</table>
Romance Languages and Literature
Ms. Ackerman, Ms. Brooks, Mr. Cohen, Mr. Collins (chair), Ms. Dale, Ms. Lance, Ms. Reish.

French Language and Literature (15)
The Major in French
A minimum of eight units, not including 300 and 310. No more than two of these units may be earned during Foreign Study. Required are 970 and at least two courses chosen from 520, 530, 540, 550, 560, and 570. A major should develop an appropriate cognate program. History 540 and 545 are highly recommended.

300 Elementary French
Basic grammar and vocabulary. Fundamentals of listening, speaking, reading, and writing.

310 Intermediate French
Further development of basic skills and vocabulary. Prerequisite: French 300 or equivalent.

420 Advanced Intermediate French
Polishing and reinforcement of basic skills. Readings and discussion of texts in French with topics chosen from literature and civilization. Prerequisite: French 310 or equivalent.

430 Advanced French Conversation and Composition
Practice in conversation, oral interpretation, composition, discussions, and reports. Study of idioms fundamental to an active use of spoken and written French. Given in French. Prerequisite: French 420 or equivalent.

440 Advanced French Conversation and Composition
Further refinement in areas studied in French 430, with the addition of readings in French literature and culture. Explications de texte. Given in French. Prerequisite: French 430 or equivalent.

500 Introduction to French Literature
Introduction to literary genres through reading and interpretation of major works of French literature. Given in French. Prerequisite: French 430 or 440.

510 Introduction to French Literature II
Study of selected texts and development of skills in literary criticism. Prerequisite: French 430 or 440.

520 French Literature, 1830-1900
Balzac, Flaubert, Maupassant, Zola, Huysmans, Bourget, plus Parnassian and symbolist poetry. Given in French. Prerequisite: French 500 or 510.

530 18th Century French Literature and Thought
Lesage, Prevost, Montesquieu, Voltaire, Rousseau, Diderot, L'Encyclopedie, and Beaumarchais. Given in French. Prerequisite: French 500 or 510.

540 French Moralists from Montaigne to Fontenelle
The Libertins, Descartes, Pascal, La Rochefoucauld, Mme. de Lafayette, La Bruyere, La Fontaine, Fene lon, Bayle, and Boileau. Given in French. Prerequisite: French 500 or 510.

550 The Romantic Movement in France
Chateaubriand, Stendhal, Lamartine, Hugo, Vigny, and Musset. Given in French. Prerequisite: French 500 or 510.

560 The French Classical Theatre
Corneille, Racine, Moliere; contemporaries, precursors, and successors; growth of French classical doctrine; art poetique from the Pleiade to Boileau. Given in French. Prerequisite: French 500 or 510.

570 20th Century French Literature
Selected major writers of the contemporary period. Given in French. Prerequisite: 500 or 510.

970 Senior Seminar
Specialized topics in French literature, literary criticism, and civilization. Preparation for senior departmental examination.
Spanish Language and Literature (16)
The Major in Spanish

A minimum of eight units, not including 300 and 310. No more than two of these units may be earned during Foreign Study. Required are one unit chosen from 500 or 510; one unit chosen from 540 or 550; one unit from 520, 530, or 560; and one unit chosen from 970, 971, or 972. A major should develop an appropriate cognate program.

300 Elementary Spanish
Basic grammar and vocabulary. Fundamentals of listening, speaking, reading, and writing.

310 Intermediate Spanish
Further development of basic skills and vocabulary. Prerequisite: Spanish 300 or equivalent.

420 Advanced Intermediate Spanish
Intense grammar review, polishing and reinforcement of skills, and readings and discussion of selected works from Spanish and Spanish-American literature. Prerequisite: Spanish 310 or equivalent.

430 Conversation and Composition
Grammatical review, composition, and skills in speaking and understanding. Given in Spanish. Prerequisite: Spanish 420 or equivalent.

440 Advanced Conversation and Composition
Creative writing, oral reports, discussions, and debates. Given in Spanish. Prerequisite: Spanish 430 or equivalent.

500 Peninsular Spanish Literature to 1700
Critical study of major works of the Middle Ages, Renaissance, and Golden Age. Given in Spanish. Prerequisite: Spanish 430 or equivalent.

510 Peninsular Spanish Literature from 1700-1898
Neoclassicism, romanticism, costumbrismo, realism, and naturalism as seen in major works of the 18th and 19th centuries. Given in Spanish. Prerequisite: Spanish 430 or equivalent.

520 Modern Peninsular Spanish Literature I
Poetry, drama, fiction, and nonfiction of the generations of 1898 and 1927. Oral reports. Prerequisite: Spanish 430 or equivalent.

525 Poetry of the Generation of 1927
Given in Spanish. Prerequisite: Spanish 430 or equivalent.

530 Modern Peninsular Spanish Literature II
Poetry, drama, fiction, and nonfiction from 1936 to the present. Oral reports. Given in Spanish. Prerequisite: Spanish 430 or equivalent.

540 Spanish-American Literature from 1500-1850
Works from the periods of discovery, conquest, colonies, and wars of independence. Oral reports. Given in Spanish. Prerequisite: Spanish 430 or equivalent.

550 Modern Spanish-American Literature from 1850-1930
Main works from the period of independence to the Mexican revolution. Romanticism, naturalism, modernism, and other literary movements. Oral reports. Given in Spanish. Prerequisite: Spanish 430 or equivalent.

560 Spanish-American Literature from 1910-Present
Modernism, the literature of the Mexican revolution, realismo mágico, and analysis of key authors in poetry and fiction. Oral reports. Given in Spanish. Prerequisite: Spanish 430 or equivalent.

970 Seminar on the Golden Age
A critical approach to Renaissance and Baroque literature of Spain, with emphasis on the late Baroque period (Góngora, Quevedo, Calderon). Prerequisite: Two units of Spanish Literature.

971 Seminar on Cervantes
Selected works of Cervantes, with emphasis on Don Quijote. Research techniques, critical analysis, and interpretation. Prerequisite: Two units of Spanish literature.

972 Spanish-American Literature from 1930-Present
Literary and philosophical works of the contemporary period. Prerequisite: Two units of Spanish literature.
Division II: Natural Sciences and Mathematics

Biology
Chemistry
Computer Science
Health Sciences
Mathematics
Physics

Distributional Requirements for Division II

Three courses in the Division. At least one of these units must be from biology, chemistry, or physics.
Biology (21)

Mr. Deutsch, Mr. Dugan, Mr. Evans (on leave 1982-83), Ms. Newton, Mr. Olexia (chair).

The biology program provides you with a broad exposure to major principles in contemporary life sciences and a depth of offerings in concentrated areas. Ranging from the classic to the modern, the program is designed both for the person with professional interest in biology and for the student concerned with current environmental topics. Careers for biology majors range from biochemistry and biomedical research to terrestrial and marine ecology to animal behavior.

The Basic Core is composed of courses which are most central to you as a biologist. The department offers advanced electives to expand your basic background through your introduction to more sophisticated topics and more sophisticated analysis. For non-majors, the biology department has specifically designated those courses which are most appropriate for meeting the liberal arts distributional requirement in science.

If you plan a career in a health-related field, you should meet with a member of the Health Sciences Advisory Committee early in your academic planning. Your adviser will suggest courses—including biology, organic and inorganic chemistry, mathematics, and physics—which are most appropriate based on the prerequisites of selected professional schools.

The Major in Biology

A minimum of eight units is required. Biology 400, 440, and 970 are specifically required in addition to either 420 or 480. You are encouraged to take both 420 and 480 but are required to take only one. Since Biology 440 has a prerequisite of organic chemistry, the latter becomes a requirement also. If you have a serious interest in pursuing graduate or professional programs, you are encouraged to develop some background in mathematics, physics, and computer science. You should consult with a member of the department early in your program of study.

Basic Core

400 Population and Ecosystem Biology
Introduction to the concepts of biological attributes of populations, biological communities, and ecosystems, including population genetics and dynamics, community structure and dynamics, and ecosystems and biomes.

420 General Zoology
Introduction to the diversity of animal life and theories of phylogenetic relationships among various groups. Fundamental principles of animal physiology and homeostasis.

440 Cellular and Molecular Biology
Sophisticated introduction (with a molecular approach) to the major structural and functional properties of cells, energetics, and genetic information and control. Prerequisite: Chemistry 435 or enrollment in Chemistry 440.

480 General Botany
Introduction to the diversity of fungi, algae, and plants with emphasis upon taxonomic differences and phylogenetic relationships followed by a focus upon the anatomy and physiology of flowering plants.

970 Functioning as a Biologist
Seminar involving teaching, research in the literature, and consideration of current biological questions. Participation in the departmental program as a teaching assistant during one quarter. Preparation for subsequent SIP research through literature search and critical discussion of pertinent papers, and preparation and defense of completed thesis based on SIP research. Attendance required in all quarters that a student is in residence; credit assigned to any of the terms. Grade recorded in spring. Prerequisite: Junior summer or senior standing.

Advanced Electives

520 General Animal Physiology
Analytical treatment of the mechanisms by which animals regulate...
their internal environment with regard to energy and materials balance, neuromuscular activity, and sensory physiology. Prerequisite: Biology 420.

525 **Histology**
Microscopic anatomy of animal cells, tissues, and organs and how they are constructed from a diversity of cell types in light of their physiological processes. Prerequisite: 420 and 440, or permission of the instructor.

530 **Developmental Biology**
Processes of gametogenesis and early development, inductive interactions, morphogenic patterns, differentiation, growth and senescence, cellular basis for developmental events, laboratories in vertebrate morphogenesis and experimental embryology. Prerequisite: Biology 440.

535 **Genetics**
Analysis of the mechanism of heredity at several different levels, including nucleic acid structure and function, mutation and recombination, chromosomal organization and behavior, and the genetic basis of evolutionary change.

540 **Cell Physiology**
Sophisticated examination of certain physiological processes at the cellular level focusing upon membrane-related phenomena and contractility and motility. Prerequisite: Biology 440. Biology 730 recommended.

545 **Microbiology**
Advanced general microbiology covering structure, genetics, metabolism, physiology, and interactions of microorganisms with a major emphasis on bacteria. Prerequisite: Biology 440. Biology 730 recommended.

560 **Biophysics**
Emphasis on importance of physical approach in understanding fundamental biological problems rather than on instrumentation or rigorous mathematical derivations. Topics include structure and function of biomolecules, energy conversion in life processes, and problems in theoretical biology. Prerequisite: Biology 440.

580 **Field Botany**
Plant taxonomy, plant communities, and background in plant identification. Focus on characterizing both aquatic and terrestrial communities from both qualitative and quantitative studies as well as community interactions. Prerequisite: Biology 400 and 480.

590 **Ornithology**
Identification, classification, songs, and migration of birds; food and nesting habits of native species. Permission of the instructor only.

595 **Entomology**
Principles of entomology, ecology, morphology, and classification of insects. General collection required. Prerequisite: Biology 400 or 420.

720 **Physiological Psychology (also Psychology 720)**
Structure and function of the central nervous system and associated sensory and motor units, and their role in the explanation and understanding of behavior. Prerequisite: Biology 420 or Psychology 400 or permission of the instructor.

725 **Ethology (also Psychology 725)**
Behavior and social organization of a variety of animal groups ranging from insects to primates, analyses of general principles of behavior modes; and observation of animal behavior in the field and laboratory. Prerequisite: Biology 400 or 420 or Psychology 400.

730 **Biochemistry (also Chemistry 730)**
Study of biochemical mechanisms underlying cellular phenomena from protein structure and interactions to enzyme dynamics and energy metabolism. Prerequisite: Biology 400, Chemistry 435, or Chemistry 400.

**Liberal Arts Distributional Courses**
Biology 300, 310, and 320 are designed specifically for the non-science major and are open to all students. Credit in these courses may not be applied towards the biology major.

Biology 400, 420, 480, and 590 are designed chiefly for the prospective science
major, but are also suitable for satisfying the liberal arts distributional requirements.

300 Biology of Disease
Common diseases and their effects on human physiology, with emphasis on mechanisms of action at the cellular level.

310 Evolution
Mechanisms of the process of evolution as they relate to genetic phenomena from the cellular through the level of populations, with attention to natural selection.

Chemistry (22)
Mr. Cook (chair), Ms. Craig, Mr. Deal, Mr. Thomas J. Smith, Mr. Wilson.

In its courses, the chemistry department stresses the art of scientific thought and the role of chemistry in society. As a chemistry student, you will benefit from a close working relationship with faculty and an atmosphere that encourages research.

You will receive a suitable background in chemistry for graduate study in chemistry, biochemistry, chemical engineering, environmental sciences, pharmacology, molecular biology, medicinal chemistry, and clinical chemistry. As a chemistry major, you will also have a suitable background for becoming a professional laboratory chemist; teaching high school or junior college chemistry; attending medical, dental, and paramedical schools; undertaking graduate study in business administration and patent law; doing work in sales, library, and safety; and supervising work in the chemical industry.

The Major in Chemistry
If you have a strong background in chemistry, you may omit appropriate courses from the following sequences through equivalency examinations administered by the department.

A major requires at least eight units in chemistry and must include 400-410, 420-430-440 (or 420-435), 900, 930, and at least one course from 920 (prerequisite: 910), 940, and 950. You may elect additional work in chemistry from 730, 910, 920, 940, 950, 970, and 980. Physics 410-415-420 (or 370-375) is required.

If you plan to attend medical, dental, or paramedical school, you should complete Biology 440, Biology/Chemistry 730, and Biology 535. You should also complete three units of physics, either Physics 410-415-420 or 370-375-510. If you plan advanced study in one of the health fields, you should consider Biology 520, 530, and 540. You should plan your program in consultation with a member of the Health Sciences Advisory Committee.

Kalamazoo College appears on the American Chemical Society's list of schools that offer approved preprofessional undergraduate programs in chemistry. If you plan graduate study in chemistry or plan to work as a professional laboratory chemist, you should consider following the ACS-approved program. This program includes Chemistry 400-410, 420-430-440, 900, 910, 920, 930, 940, 950, and 983; Physics 410-415-420; and Mathematics 410-415, 430, and 440. German is recommended to fulfill the foreign language graduation requirement.

A suggested chemistry minor of six units suitable for the Michigan Secondary Provisional Certificate includes 400-410, 420-435 (or 420-430-440), 900, and 930.
300 Chemistry in Society
Study of topics of current societal interest from a chemical perspective, chosen from these topics—environmental pollution, chemical contraceptives and other pharmaceuticals, food chemistry and nutrition, energy, chemical evolution, earth science, and genetic manipulation. Fundamental chemical principles and techniques of modern chemical analysis will also be studied. Lectures, discussions, demonstrations, and laboratories. Intended for non-science majors.

310 Nuclear Energy
Rudimentary nuclear physics and the behavior and design of nuclear reactors, exploration of radioactive decay and nuclear reactor dynamics, history of nuclear weapons and nuclear power, emphasis on current secondary literature, tours of nuclear power plants. Intended for non-science majors.

400-410 General Chemistry and Quantitative Analysis I and II
Fundamental principles of chemistry, emphasizing equilibrium concepts and laboratory work in quantitative analysis. Intended for any science major.

420 Organic Chemistry I
Basic principles of structure, nomenclature, and reactivity applied to aliphatic hydrocarbons. Topics include valence bond and orbital structure models; inductive, resonance, and steric effects on reactivity; stereoisomerism. Laboratory work emphasizes techniques used in the synthesis and purification of organic compounds. Intended for any biology, chemistry, or health sciences major. Prerequisite: Chemistry 400-410.

430-440 Organic Chemistry II and III
A continuation of 420 that includes classroom and laboratory study of the structure, nomenclature, chemical properties, physical properties, and spectrometric identification of common organic compounds, including those of biological interest. Emphasis on reaction mechanisms and organic synthesis. Intended for students planning graduate study or professional careers in chemistry, biochemistry, or cellular and molecular biology, and for research-oriented premedical or predental students.

435 Organic Chemistry IIA
Classroom and laboratory study of same topics covered in 430-440 but in less detail. Organic synthesis less emphasized. Intended for biology or health sciences majors who are less chemically oriented and for premedical or predental students who intend to practice rather than engage in medical research. Prerequisite: Chemistry 420.

500 Physical Chemistry for the Life Sciences
Principles of chemical thermodynamics and kinetics and their importance in the study of living systems. Laboratory work in analytical chemistry with an emphasis upon clinical, biological, and environmental applications of modern instrumental techniques. Intended for biology or health sciences majors. Prerequisite: Chemistry 430 or 435, Mathematics 360-365 or 410-415 and Physics 370 or 410 are highly recommended.

730 Biochemistry (see Biology 730)

900 Physical Chemistry I
Chemical thermodynamics and kinetics. Intended for any chemistry major and for biology majors with a cellular or molecular orientation. Prerequisite: Chemistry 400-410, Mathematics 410-415, and Physics 370-375 or 410-415 or permission of the instructor. Physics 420 and Mathematics 440 are strongly recommended.

910 Physical Chemistry II
Advanced study of the electronic structure of molecules and its effect
on the properties and reactions of matter. Chemical applications of statistical mechanics explored in greater detail. Prerequisite: Chemistry 910.

930 **Analytical Chemistry**
Lecture, laboratory, and independent study of quantitative analysis, including trace techniques, with an emphasis on modern instrumental methods. Prerequisite: Chemistry 900 or permission of the instructor.

940 **Inorganic Chemistry**
Properties of ionic solids, acid-base systems, and transition-metal complexes. Extensive application of valence-bond and ligandfield theories, thermodynamics, and kinetics. Laboratory work in the preparation of inorganic compounds and the analytical and physical characterization of the compounds prepared. Prerequisite: Chemistry 930 or permission of the instructor.

950 **Advanced Organic Chemistry**
Stereochemistry, conformational analysis, molecular orbital theory, reactive intermediates, and instrumental techniques with an emphasis on current theory and methodology. Advanced laboratory work designed to prepare the student for experimental research. Prerequisite: Chemistry 440, 900.

970 **Senior Studies**
Lectures, seminars, independent study, and/or individual conferences with faculty in preparation for the SIP. Prerequisite: Senior major with permission of the instructor.
Computer Science (25)

Mr. Carpenter; Mr. T. Jefferson Smith

The computer science program offers you courses dealing with applications of computer science as well as the discipline itself. Computer Science 400 is designed as an introduction to programming techniques and theoretical computer science and is of interest to students in the humanities as well as to those in the physical, biological, or social sciences.

The academic computing facilities are available for use by the entire College community in much the same way as the library. The facilities consist of a Digital Equipment Corporation VAX-11/75 computer system with 16 terminals available for student and faculty use. Computer terminals are located in Dewing Hall, Olds-Upton Science Building, and Upjohn Library. Currently, BASIC, COBOL, FORTRAN, and PASCAL are available on this system, as well as statistical packages. The College has several microcomputers that are used by advanced students.

400 Introduction to Computer Science
Problem solving and problem analysis using computers. Concept, properties and notation of algorithms. Development of algorithms and their implementation in PASCAL and FORTRAN. Prerequisite: High school algebra.

470 Data Structure and Programming Languages
Logical data structures and processes on them, including searching and sorting. Files structures; interpretation and compilation. Prerequisite: Computer Science 400 or permission of the instructor.

500 Computer Architecture
Intensive introduction to computer organization, assembly-language programming, and systems-programming concepts. Computer structure, machine language, characteristics of peripheral devices, program segmentation and linkage, and operating systems. Prerequisite: Computer Science 470.

530 Operating Systems
Computer systems of software, including assemblers, linker-loaders, compilers, interpreters, and timesharing operating systems. This course offered in alternate years. Prerequisite: Computer Science 470.

550 Computability, Automata, and Formal Languages
Study of fundamental concepts in computability and in the formal theory of automata emphasizing finite-state machines. Turing machines and computational power of machines. This course offered in alternate years. Prerequisite: Computer Science 470 or 710.

700 Introduction to Numerical Computation (also Mathematics 700)
Numerical analysis with extensive computer applications. Topics include solution of linear systems of equations, solution of a single nonlinear equation, interpolation and approximation, numerical integration and differentiation, and numerical solution of eigenvalue problems. This course offered in alternate years. Prerequisite: Math 430.

710 Combinatorics (also Mathematics 710)
Existence and enumeration of finite, discrete configurations. Permutations, combinations, principles of inclusion and exclusion, elementary graph theory, recurrence relations, generating functions, partitions, block designs, finite fields, and finite geometries. Offered alternate years.

720 Models and Simulation (also Mathematics 720)
An introduction to mathematical modeling and computer simulation of natural, artificial, and hypothetical systems. Attention will be directed to the initial formulation of the model, the interpretation of the mathematical or numerical results, discrete approximations of continuous systems, and the computer implementation of the model. This course offered in alternate years. Prerequisite: Computer Science 400 and Mathematics 430, or permission of the instructor.
Concentration in Computer Science

The concentration in computer science is a program that is consistent with the recommendations of the Association for Computing Machinery for undergraduate work in the computing sciences. The concentration is designed to serve three types of students:

A. For the student whose primary interest is in another discipline, the concentration offers an opportunity to obtain a strong background in computer science. This background in computing and information processing, coupled with the subject matter of the individual's own major (biology, economics, mathematics, physics, psychology, etc.), will enable the student to offer an employer or a graduate school a combination of skills that is currently in great demand.

B. For the student who wishes to work professionally in computer science upon completion of the bachelor's degree, the concentration, when combined with a mathematics or physics major or a 3-2 engineering program, and practical experience gained from Career Development and the SIP, will give the student an appropriate background for entering the field as a working professional.

C. For the student who wishes to continue study at the graduate level in the computing sciences, the concentration, combined with the SIP and a major in mathematics or physics or 3-2 engineering program, should enable the student to meet the entrance requirements of most good graduate programs.

Course requirements and recommendations for a concentration in computer science

1. Core courses required of all concentrators: Computer Science 400, 470, and 500, Mathematics 430, and Mathematics/Computer Science 710 (Mathematics 530 may be substituted for 710). Plus one of the following: Computer Science 530, Physics 520, or a major software or hardware project, satisfied by an SIP.

2. Additional courses recommended for concentrators: Computer Science 550, Mathematics/Computer Science 700 and 720, Mathematics 410-415, and a statistics course, such as Mathematics 360-365, Economics 450, or Mathematics 560.

Students interested in the computer science concentration should consult with a computer science faculty member in order to plan a suitable program of study.

Health Sciences (23)

Ms. Olexia, director

If you plan a career in a health field, the health sciences program offers you valuable pre-professional training. The program consists of a core curriculum that includes biology, chemistry, health sciences, and psychology, plus one of several course sequences designed to meet specific professional school admission requirements. Preprofessional curricular sequences have been established for medicine, osteopathic medicine, podiatric medicine, chiropractic, dentistry, medical technology, nursing, optometry, and pharmacy as well as for graduate studies in biochemistry, clinical chemistry, molecular biology, and medical laboratory sciences. Additional curricular sequences will be planned for you to meet your individual preprofessional requirements.

The core curriculum provides you with a common background to make possible a unified seminar program throughout your senior year and to insure a reasonably broadly based scientific background compatible with the liberal arts tradition.

Your SIP in health sciences will typically involve biochemical research in medical schools or at the National Institutes of Health, or research in medical laboratory sciences in graduate schools.
The Interdepartmental Major in Health Sciences

Required are Biology 420 and 440, Chemistry 400-410 and 420-435 (or 420-430-440)*, Psychology 400 or 450, and Health Sciences 970 and 980-984. Grades of C or better must be earned in these courses which constitute the core curriculum.

In addition, at least four more Division II units (with grades of at least C) are required. Courses for non-science majors will not meet the four-unit requirement. In practice, the four units usually are specified by admission requirements of professional schools (see General Information section below). The 22 academic units required by the College outside the major department are to be taken outside that department in which the health sciences major has the largest number of units.

French or German is recommended if you plan to pursue graduate studies.

970 Senior Seminar
Student presentations of technical material, discussion of student/faculty questions and research, visiting speakers, Senior Individualized Projects presented during the spring quarter. Meets once each week throughout the senior year and for a portion of the junior summer.

979 Pre-SIP Studies
Special preparation for the Senior Individualized Project available upon request of the SIP supervisor. Prerequisite: Permission of the instructor.

General Information

The following courses are recommended additions to the core curriculum which, when combined with the core curriculum, meet admission requirements for most professional schools. Note that Kalamazoo College does not offer degrees in medicine, pharmacy, nursing, etc. Courses listed under nursing, for example, when combined with the core curriculum, satisfy admission requirements of the medical and university schools of nursing that require from two to four years of collegiate work for admission.

Medicine, Osteopathic Medicine, Dentistry

Biology 535, Chemistry 730 and either Chemistry 500 or 900, Physics 370-375-380 (or 410-415-420 and Mathematics 410-415)*, two courses in sociology and/or psychology, and two units of English. Suggested electives include Biology 520, 530, 540, and 545 and Mathematics 410-415 or 360-365.

Biochemistry, Clinical Chemistry, Molecular Biology


Medical Technology and Medical Laboratory Sciences

Biology 520 and 545, Chemistry 730 and either Chemistry 500 or 900, Mathematics 360-365, and Physics 370-375-380. Recommended electives include Biology 530, 535, and 540.

Optometry, Pharmacy, Podiatric Medicine

Biology 530 (for podiatric medicine only), Chemistry 730 (for pharmacy only) and either Chemistry 500 or 900, Mathematics 410-415 (for optometry and pharmacy only), Physics 370-375-380, and English (two units of composition and literature).

Nursing

Biology 545, psychology (one unit in addition to that in the core curriculum), sociology or anthropology (one unit beyond 400), and three additional units to be selected from Biology 520, 530, and 540 and Mathematics 360-365.

Chiropractic

Physics 370-375; two additional units from Biology 520, 530, 535, and 540; Chemistry 730 and either Chemistry 500 or 900; and Physics 380.

*Recommended alternative for students interested in combination MD-PhD programs.
Mathematics (24)

Mr. Calloway, Mr. Fink, Mr. Nielsen, Mr. Rajnak (on leave 1982-83), Mr. T. Jefferson Smith.

The curricular offerings of the mathematics department are primarily designed to serve the needs of students with professional interests in mathematics, whether they be potential research mathematicians, teachers, or users needing to apply mathematics in the physical, computing, or social sciences. In addition, the mathematics department takes seriously its responsibility to offer appropriate general education courses for the non-science major who needs some understanding of the nature and role of mathematics in modern society.

The Major in Mathematics

You must earn a minimum of eight units in mathematics plus one course in computer science. Required are Mathematics 410, 415, 430, 440, and 530 and Computer Science 400. You will not receive credit toward your major for courses numbered less than 400 unless specific approval is obtained from the department. If you are interested in graduate work in one of the mathematical sciences, you should take Mathematics 505, 535, 900, and 950. If you have a strong interest in computing, you should earn a concentration in computer science (see computer science section of catalog) and take Mathematics 700, 710, and 720. If you are interested in applied work (mathematical biology, mathematical economics, operations research, etc.) you should take Mathematics 505, 560, 565, 710, 720, and at least two courses in computer science.

All mathematics majors should consider some work that uses mathematical ideas in other departments. Of special interest are all courses in computer science; Economics 540, 550, 910, and 940; Psychology 930; and Physics 540, 900, 910, and 920.

The Teaching Minor in Mathematics

You must earn a minimum of six units. Required are Mathematics 410, 415, 430, and 530. You will not receive credit toward your minor for courses numbered less than 400 unless specific approval is obtained from the department.

300 Introduction to Mathematics

Exploration in some depth of several fundamental mathematical ideas and examination of a variety of mathematical systems. Appropriate for those who wish to sample the spirit and content of modern mathematics without acquiring specific technical abilities.

310 Pre-Calculus Mathematics

Polynomials, elementary transcendental functions, analytic geometry, inequalities, and other topics essential for a rigorous development of the calculus. Does not satisfy science division distributional requirement. Prerequisite: Permission of the department.

360-365 Applied Statistics I and II

Designed for students in the behavioral, biological, and social sciences. Emphasis on hypothesis testing, including t tests, chi square, analysis of variance, nonparametric techniques, and linear regression.

410-415 Calculus I and II

A unified course in analytic geometry and calculus of functions of one variable. Students who have not had trigonometry should consult with the instructor.

430 Linear Algebra and Vectors

Vector spaces, matrices, determinants, linear transformations, systems of equations, eigenvalues, and canonical forms.

440 Calculus of Functions of Several Variables

Vector differential and integral calculus of functions of several variables, line and surface integrals, and the theorems of Green, Gauss, and Stokes. Prerequisite: Mathematics 430 or permission of the department.

505 Differential Equations and Numerical Methods

An introduction to key concepts underlying analytical methods for the solution of ordinary differential equations and first-order systems, to-
together with techniques for constructing approximate numerical solutions. Prerequisite: Mathematics 430.

530-535 Modern Algebra I and II
Topics of modern algebra, including groups, rings, fields, and other algebraic structures, together with advanced topics of linear algebra. This course offered in alternate years. Prerequisite: Mathematics 430.

540 Partial Differential Equations
An introduction to the classical boundary-value and initial value problems for the Laplace, heat, and wave equations in one, two, and three-space dimensions. Explicit solutions will be constructed by separating variables, Fourier transforms, Green's functions, and Laplace transforms. Some elementary discussion of Hilbert space, orthogonal expansions, self-adjoint operators, Schwarz distributions, and finite-element methods. This course offered in alternate years. Prerequisite: Mathematics 440 and 505.

560-565 Probability and Statistics I & II
Mathematical theory of probability and statistical inference. This course offered in alternate years. Prerequisite: Mathematics 415 or permission.

700 Introduction to Numerical Computation (also Computer Science 700)
Numerical analysis with extensive computer applications. Topics include solution of linear systems of equations, solution of a single nonlinear equation, interpolation and approximation, numerical integration and differentiation, and numerical solution of eigenvalue problems. This course offered in alternate years. Prerequisite: Math 430.

710 Combinatorics (also Computer Science 710)
Existence and enumeration of finite, discrete configurations. Permutations, combinations, principles of inclusion and exclusion, elementary graph theory, recurrence relations, generating functions, partitions, block designs, finite fields, and finite geometries. This course offered in alternate years.

720 Models and Simulation (also Computer Science 720)
An introduction to mathematical modeling and computer simulation of natural, artificial, and hypothetical systems. Attention will be directed to the initial formulation of the model, the interpretation of the mathematical or numerical results, discrete approximations of continuous systems, and the computer implementation of the model. This course offered in alternate years. Prerequisite: Computer Science 400 and Mathematics 430, or permission of the instructor.

900 Real Analysis
Introduction to basic topological concepts in metric spaces followed by rigorous development of classical real analysis, including sequences and series of functions, continuity, differentiability, and Reimann-Stieltjes integration.

950 Topics in Pure Mathematics
Readings in pure mathematics selected from set theory, logic, number theory, geometry, or analysis, with an emphasis on the historical and philosophical aspects. Exact content will vary from year to year. Prerequisite: Permission of the instructor.

970 Seminar

Physics (26)
Mr. Piccard, Ms. Rajnak, Mr. Winch, Mr. Wright (chair).

Whatever your major, physics courses at Kalamazoo College provide you with a solid grounding in this science. As a physics student, you will be encouraged to expand your capacity to learn and to approach the natural world scientifically. Advanced classes are small, allowing you an opportunity to work closely with faculty members.

The physics department offers introductory courses at three levels. Physics 300 is designed to satisfy the objectives of general education. A three-course non-calculus se-
quence (370, 375, and 380) is intended primarily for biology and premed students. Finally, a three-course sequence utilizing calculus (410, 415, 420) is intended for potential majors in physics, chemistry, and mathematics. If you are interested in majoring in one of the physical sciences, you should plan to take Physics 410, Chemistry 400, and Mathematics 410-415 during the first two quarters of your freshman year.

The diversified experience you receive as a physics major will adequately prepare you for graduate work in physics, as well as further study in engineering, computer science, astronomy, or atmospheric science. A physics major also prepares you to teach high school physics, to do laboratory research, or to work in businesses which rely on modern technology.

If you are interested in majoring in one of the physical sciences, you should plan to take Physics 410, Chemistry 400, and Mathematics 410-415 during the first two quarters of your freshman year.

The Major in Physics

You must earn a minimum of eight units in addition to the Senior Individualized Project. Required are Physics 410-415-420, 510, 540, and at least one of the courses at the 900 level. Also required is the five-unit mathematics sequence of 410-415, 430, 440, and 505. If you plan graduate study, you should take at least one additional unit in mathematics.

300 Concepts and Theories: Astronomy
Study of modern astronomy beyond the solar system—stars, galaxies, pulsars, quasars, black holes, and cosmology. The method of understanding the structure and evolution of an astronomical object through observation is stressed. Lecture and labs, including planetarium visits and individual observations. For students who plan to major in the social sciences or humanities. Prerequisite: High school algebra.

370-375 Fundamental Physics
Basic concepts in mechanics, heat, light, wave motion, electricity, and modern physics. Lectures and laboratory; no calculus required. Prerequisite: High school algebra and trigonometry.

380 Medical Physics
Emphasis on application of physics to medicine—cardiovascular and pulmonary mechanics, medical electronics, x-rays, radioactivity, radiation therapy, lasers, ultra-sound, radiation protection, and laboratory techniques. Prerequisite: Physics 370-375, Chemistry 400, Mathematics 360 or 410, or permission of the instructor.

410-415-420 Introductory Physics
Mechanics, heat, light, electricity, and modern physics. First two terms of this sequence are available with a self-paced ("Kellerized") approach. Lectures and weekly laboratory exercises in the third term. For the major in mathematics, chemistry, or physics. Prerequisite: Mathematics 410 and concurrent enrollment in Mathematics 415, or permission of the instructor.

510 Intermediate Modern Physics
Introduction to the special theory of relativity and elementary quantum mechanics with applications to atomic and nuclear physics. Lectures and laboratory. Prerequisite: Physics 420 and concurrent enrollment in Mathematics 505.

520 Electronics
Basic concepts of modern electronics with emphasis on practical experience using integrated circuits and electronic instrumentation. Experiments cover diodes, transistors, digital and linear circuits, and new devices. Prerequisite: Permission of the instructor.

540 Intermediate Mechanics
Mathematical course emphasizing physical reasoning and problem solving, statics, oscillation, motion of particles and rigid bodies, and mechanics of continuous media. Prerequisite: Physics 420 and Mathematics 505.
550 Optics and Wave Motion
Mathematical treatment of wave phenomena, including superposition, diffraction, interference, polarization, dispersion, and resonance. Discussion and laboratory topics from the areas of physical optics, acoustics, and microwave radiation. Prerequisite: Physics 540 or permission of the instructor.

560 Thermal Physics
Introduction to thermal physics with emphasis on a statistical approach to the treatment of thermodynamic properties of bulk material. Not offered in 1982-83. Prerequisite: Permission of the instructor.

900 Advanced Mechanics
Continuation of the study of classical mechanics and Lagrangian and Hamiltonian dynamics. Prerequisite: Physics 540.

910 Advanced Electricity and Magnetism
Lectures in electromagnetic field theory, electrostatics, potential theory, dielectric and magnetic media, Maxwell's field equations, electromagnetic waves, and wave equation. Vector calculus developed as needed. Prerequisite: Physics 900 or permission of the instructor.

920 Quantum Mechanics
Principles and mathematical techniques of quantum mechanics, with applications to barrier problems, the harmonic oscillator, and the hydrogen atom. Prerequisite: Physics 900 or permission of the instructor.

930 Advanced Modern Physics
Applications of quantum mechanics to topics in atomic, nuclear, particle, and solid state physics. Prerequisite: Physics 920.
Division III: Humanities

Art
Music
Philosophy
Religion
Theatre and Communication Arts
Humanities Electives
Women's Studies

Distributional Requirements for Division III

Two units in philosophy and/or religion, one in art, music, or theatre and communication arts.
Art (31)

Ms. Fischer, Mr. Palchick, Mr. Small (chair), Ms. Wood.

The art department’s objectives are twofold—to cultivate your appreciation of the fine arts as part of the liberal arts and to provide you with an adequate background if you desire to continue specialization at a graduate school or professional school of fine arts.

As an art major, you will complete the introductory courses designed to develop your interest and understanding of the visual arts through the study of the history and practice of art. You may then elect a planned sequence of study leading to a degree in art, specializing in studio art, art history, or art education.

Studio Art

A minimum of ten units is required. The required core is Art 400, 405, 410, 415, 450, and 455. One art history period course may be substituted for a survey course (Art 450 or 455), provided the period course falls within the time frame of the survey course. The remaining four units are to be elected from studio offerings.

Art Education

If you are interested in obtaining teacher certification in art, you are required to take 12 units of art. The studio art requirements should be followed with the addition of one studio elective and one unit of Art 890. Recommended cognate course for art and art education students is Philosophy 440 (Aesthetics) and Theatre and Communication Arts 440 (Design I).

Art History

A minimum of eight units is required. The required courses are Art 450, 455, 500 or 510, 520 or 525, 530, 540 or 550, and one studio unit selected from 400, 410, or 415. Reading ability in French or German is advised if you plan graduate study in Art History. Recommended cognate courses are additional studio courses and Philosophy 440.

Combined Studies in Art

You may elect a 12 unit program that combines studies in studio art and art history. Six units in studio art would consist of the required core, minus the art history courses, plus two studio electives. You may select the six art history courses from the required courses listed in the art history section.

Art History

450 Introduction to History of Art I
Architecture, sculpture, and painting from prehistoric times through the Middle Ages.

455 Introduction to History of Art II
Architecture, sculpture, and painting from the Renaissance to the present.

500 Ancient Art
Minoan, Mycenaean, Greek, Etruscan, and Roman art.

510 Medieval Art
Art of the early Christian through Gothic periods, with an emphasis on the later Middle Ages.

520 Renaissance Art I
Painting, sculpture, and architecture in Italy in the 14th and 15th centuries, with an emphasis on 15th-century Florence.

525 Renaissance Art II
Painting, sculpture, and architecture in Italy in the 16th century, with an emphasis on the high Renaissance and Michelangelo.

530 Baroque Art
European painting, sculpture, and architecture of the 17th century. Countries studied are Italy, Flanders, Spain, France, and The Netherlands.

540 18th Century Art
Painting and sculpture in Europe from the French Revolution to 1900, with an emphasis on France.

550 20th Century Art
Painting and sculpture in Europe and America from 1900 to the present.
Practice of Art

400 Basic Drawing
Study of still life, landscape, and figure drawing with emphasis on line and shape organization as an instrument of considerable precision and expressive force.

405-407 Figure Drawing I, II, III*
Strong emphasis on the human figure, subtleties of its gestures, and surface variations. Outside assignments in other subjects. Prerequisite: Art 400.

410 Two-Dimensional Design
Mechanics and psychology of composition seen in terms of black and white shape arrangements.

415 Three-Dimensional Design
The elements of form—mass, line, plane, space, and texture—are studied using simple materials with a concentration on the creative problem-solving process.

420-422 Ceramics I, II, III*
Study of handbuilding, throwing on the wheel, glazing, and kiln firing. Glaze calculation, special firing techniques, and individual problems in ceramics.

425-427 Painting I, II, III*
Basic pictorial development using mainly still life, landscape, and the figure.

430-432 Printmaking I, II, III*
Introduction to advanced studies in woodcut and intaglio (etching) techniques.

435-437 Sculpture I, II, III*
Introductory studies in figure modeling leading to advanced work in wood, stone, and metal.

*Open studio; can be taken at any level when the course is offered.

Music (35)

Ms. Angerman, Mr. Hammar, Mr. Phillips, Mr. Ray, Mr. Ross, Mr. Lawrence Rackley Smith (chair).

The music department seeks to cultivate your appreciation of music as one of the fine arts and to offer a curriculum which will develop your competency in musicianship and artistic skill if you concentrate in the field.

Concentrated study of music as one of the liberal arts at Kalamazoo College requires an integrated approach to music history, theory, and performance, with applied music at the center of your exploration of the art. The traditional instruction of harmony, counterpoint, and analysis is covered in the sequence of seven courses: Vocabulary and Materials I, II, III and History, Literature, and Style I, II, III, IV.

Instruction and participation in music is available to you regardless of your field of study. For many students, musical experience and formal study of music are valuable cognates of their liberal arts education.

The department offers a major in music, and special sequences in four areas: applied music, music education (including church music), music history, and theory and composition. You may elect a special sequence in combination with a music major, or you may elect a special sequence in combination with a major in another department.

The Major in Music
A minimum of eight units. Required are Music 400, 410, 420, 500, 510, 520, 530, and one unit of a numbered ensemble. If you major in music you must pass a keyboard proficiency examination.

Special Sequence in Applied Music
Four units, including three units in performance (for music majors, a minimum of two units and Music 980), Music 400 or 500 or one unit of ensemble or one "enrichment elective."
Special Sequence in Music Education (including Church Music)
Seven units, including Music 450, 700, 770, and three units from 550, 560, 561, or 562, plus a minimum of one unit in performance. The music education major should consult with the department of education about certification requirements.

Special Sequence in Music History
Three units of Music 890 in areas of music history (for music majors, two units and Music 980), Music 400 or 500 or one unit in performance or ensemble.

Special Sequence in Theory and Composition
Music 221 and two units of Music 890 in areas of composition or arranging (for music majors, one unit and Music 980). Music 400 or 500 or one unit in performance or ensemble.

Note 1—If not taken in combination with a music major, the special sequence in theory and composition usually includes Music 400 or 500 or ensemble.

Note 2—If taken in combination with a music major, the special sequence in theory and composition usually includes the "enrichment elective" in music or the unit in performance.

Note 3—Ensemble credit is not applicable to the special sequence when the sequence is in combination with a music major since the ensemble is an integral part of the major.

The Minor in Music
A minor in music may be obtained for Michigan teacher certification. Required are Music 450, 700, 770, and either 400-410 or 400-500. At least one unit must be earned in 550, 560, 561, or 562.

Theoretical Courses
The subject content of Vocabulary and Materials I, II, III is equivalent to the content of the traditional two-year theory course. History, Literature, and Style I, II, III, IV is equivalent to the traditional courses of music history, counterpoint, formal analysis, and orchestration.

300 Introduction to Music
Development of listener skills and intense listening to representative works from a variety of periods and genres of Western music. Study of the components of musical styles, sound, harmony, rhythm, melody, and form. Musical notation not employed. Offered only for students with little or no musical background.

400-410-420 Vocabulary and Materials I, II, III
Elements of music (melody, rhythm, harmony, timbre, form) studied through writing, playing, singing, and listening. Study of traditional materials and procedures (triads, quadrads, nonharmonic tones, part-writing), basic principles of organization, repetition, variation, contrasts, and small part forms. For those with previous study in music or by special permission.

450 Conducting
Rudiments of vocal and instrumental ensemble conducting. Score reading and transposition. Individual observation of other conductors and practice with ensembles. Participation in a campus ensemble required. Open to any qualified student with permission of the instructor. Music 400 and 410 recommended.

460 Seminar in Folk Music
Consideration of the two major segments of Afro-American music and their subdivisions: sacred (death, heaven and resurrection, the Bible) and secular (exhortation, service, personal experience, song of triumph or "shouting"). Historical and sociological significance of their make-up. Melodic scale uses and their mandates for texts. Parallelisms will be sought based on students' ethnic derivations.
500 Music History, Literature, & Style I
Music of a harmonic texture, with some contrapuntal characteristics, from representative periods. A comprehensive study including performance, analysis, composition, and historical research; development of individual interests. For those with previous study in music or by special permission.

510 Music History, Literature, & Style II
Principally contrapuntal music with a controlling harmonic background. Follows the pattern of Music 500. Prerequisite: Music 400 and 500.

520 Music History, Literature, & Style III
Primarily contrapuntal music including that found in serial technique. Comparison of music of the modal periods and of the 20th century. Follows the pattern of Music 500. Prerequisite: Music 400 and 500.

530 Music History, Literature, & Style IV
Historical evolution of musical instrumentation, styles, forms, notations, performance practices, and theory. Bibliography. Prerequisite: Music 500, 510, and 520.

550 Choral Procedures
Overview of the history and literature of choral music. Synthesis of the most efficient methods of vocal development as they apply to solo and ensemble singing. Repertoire suitable for high school and church choral directing. Open to students interested in choral directing. Prerequisite: Permission of the instructor.

560-561-562 Instrumental Music Methods I, II, III
Basic techniques of playing orchestral and band instruments. Understanding of the principles and problems of playing brass and percussion (560), woodwind (561), and string (562) instruments. Enrollment limited—open to non-music majors with prior musical training. Prerequisite: Permission of the instructor.

700 Basic Concepts of Music Education (also Education 700)
An aesthetic and philosophical approach to the exploration of the developmental process in music education including concepts and practices appropriate for elementary and secondary school music education. Observation of representative music classes in Kalamazoo area schools. Open to all students interested in education.

770 Music Education for the Classroom (also Education 770)
Instructional planning, methods, techniques, teacher-pupil relationships, curriculum development, and evaluation of the learning situation. Observation and discussion of area school music classes. This course replaces Education 970 for the music education major. Prerequisite: Music 700.

830 Literature of the Keyboard
An overview of the huge repertoire of music written for keyboard instruments from the Renaissance to the present. Material for the course will consist of selected readings combined with recordings. Intended primarily for keyboard performers, but open to all interested students.
Applied Music

Ms. Allgood, Ms. Angerman, Ms. Bauschke, Ms. Benn, Ms. Birch, Ms. Butler, Mr. Hammar, Ms. Haymans, Ms. Higgins, Ms. Klausmeier, Mr. Morris, Mr. Niessink, Mr. Obed, Mr. Ray, Ms. Ray, Mr. Reed, Ms. Romanaux, Mr. Ross, Mr. Wagner, Ms. Whaley.

Applied music courses facilitate technical command, interpretive insight, and understanding of pedagogical procedures. The courses stress development of ability to perform with competence and musical understanding while providing a comprehensive background of music of various periods, styles, and composers.

Students beginning basic instrumental and vocal study may be taught by the group method. Intermediate and advanced students are taught individually or by a combination of individual and group instruction. All applied music study is adapted to the needs of each student.

Credit for applied music is granted upon the accumulation of five terms of successful study in one course or the presentation of a recital earlier in the sequence of terms (usually the third or fourth term if the student advances quickly). Fractions of units in applied music may not be combined with fractions of units in ensembles to compute a unit of music toward graduation. Applied music classes at Kalamazoo College include:

- 220 Contemporary Improvisation
- 221 Composition
- 222 Piano
- 223 Harpsichord
- 224 Harp
- 225 Organ
- 230 Voice
- 240 Violin and Viola
- 241 Cello
- 242 String Bass
- 243 Guitar
- 250 Clarinet
- 251 Recorder
- 252 Flute
- 253 Oboe
- 254 Bassoon
- 255 Saxophone
- 270 Trumpet
- 271 Trombone and Baritone
- 272 French Horn
- 273 Tuba
- 280 Percussion

Ensemble Groups

You may participate in more than one ensemble each term. You will be awarded a grade and one-fifth credit internally for each ensemble. You will receive on your transcript one unit of credit with a grade only if you complete the work in five ensembles. Normal rehearsal load for ensembles is three-five hours, six-eight hours is heavy, and more than eight is not usually advisable. You must receive approval of the department chairman for a rehearsal load of more than eight hours.

Ensembles are numbered 200, with sections numbered 1 through 15. Other ensembles, such as trios, quartets, opera casts, and quintets, may be organized if they are certified by the music faculty for ensemble credit. These ensembles will be registered as Music 204, Collegium Musicum.

201 College Singers

Class voice culture. Music for campus programs including oratorios, cantatas, and shorter choral works. Open to students with previous choral experience or by permission of the instructor.

204 Collegium Musicum

Members perform as soloists with College vocal or instrumental ensembles, or perform together in small ensembles or concerti groups. All advanced music students, including non-music majors, are encouraged to apply for membership in these highly selective groups. Open only to instrumentalists and singers nominated or approved by the music faculty.

202 Motet Choir

Open by audition.

205 Wind Ensemble

Standard compositions for band, together with transcriptions from orchestral literature. Open to students.
with previous band experience.

206 Woodwind Quintet
207 Brass Ensemble
208 Jazz Ensemble
   Performance of standard and contemporary jazz arrangements for band and/or small combo. No improvisational or stage band experience necessary. Music reading required.

209 Orchestra
   Overtures, orchestral tone-poems, suites, concerti, and accompaniments for choral works. Programs presented on and off campus. Open to players with previous experience.

210 String Quartet
215 Accompanying
   Open to advanced pianists by audition.

Philosophy (37)
   Mr: Robison, Mr: Scarrow, Mr: Start (chair).

   Philosophy speaks to the perennial concerns of men and women to understand themselves, their experience, their relation to their fellow humans, and their place in the world of nature and supernature. It does this in a spirit of critical inquiry which recognizes that individual judgment must be developed within a consciousness of the historical philosophical tradition. Philosophy offers both courses in intellectual history and intensive training in critical reading, writing, and discussing.

   Courses in the philosophy department focus either on problems or on periods. The five historical courses cover the main periods of Western philosophy from ancient philosophy to contemporary philosophy. Two courses survey principal elements of Oriental philosophy. Current problems in legal and medical ethics are emphasized in two courses. Other courses examine problems in aesthetics, problems on the nature of truth in science and mathematics, and longstanding metaphysical issues on the nature of the self and the essence of thought and language.

   Philosophy 130 is limited to freshmen. Philosophy 410, 420, and 430 are designed primarily for underclassmen. Courses numbered in the 500s generally are open without prerequisite to all students. Seminars and advanced courses in problems of philosophy are for majors and those with substantial interest in the area.

The Major in Philosophy
   A minimum of ten units is required if you plan to do graduate work in philosophy. Recommended are Philosophy 420 or 450, 490 or 550, 510, 520, 530 or 540, 970, and 980-984. If you do not plan graduate work, you may take a minimum of eight units chosen according to your particular interests. You should also develop a cognate area of concentration.

130 Freshman Seminar

410 Problems in Philosophy: Ethics
   The nature of moral judgments, the justifiability of such judgments, and the place of reason and emotion in determining standards of right and wrong.

420 Problems in Philosophy: Logic and Reasoning
   A two-part study: (1) The concepts and techniques of elementary formal logic—syllogism, truth-functions, and simple quantifiers. (2) The theory and practice of proposing, analyzing, and evaluating arguments as they occur in ordinary, non-technical writing.

430 Problems in Philosophy: East/West
   Examination and comparison of basic concepts of Western and Oriental philosophies and their views on nature, man, and the divine. This is a study in comparative philosophy.

440 Aesthetics
   Discussion of problems about art—its nature, the creative process, standards of criticism, and the nature of aesthetic experience. Readings of classical and contemporary authors.

450 Social Philosophy
   Current social problems as a combination of philosophical, legal, moral, and political considerations. Particular emphasis on the concept
of justice. Suggested for prelaw students.

460 Philosophy of Law
Examination of the nature of law and of legal systems and/or of selected problems such as the relation between law and morality, theories of punishment, and the nature of legal reasoning.

470 The Just Society
Examination of the justification of a state as such, including related problems of the nature of political obligation, civil disobedience, and the nature of authority.

480 Philosophy of Science
Study of the elements and significance of scientific knowledge, the empirical and theoretical elements of scientific concepts, the validation and falsification of scientific theories, the pragmatic vs. the realist interpretation of science, and similarities and differences between the physical and social sciences. Examples from the history of science.

490 Philosophical Problems
An in-depth study of recent and current investigations of one or two topics, such as the nature of language, choice, thought, and action; the nature of the mental and physical; and philosophical theology.

510 Ancient Philosophy
The philosophy of Plato and Aristotle. Some consideration of their pre-Socratic antecedents and their impact upon the Hellenistic world.

520 17th Century Philosophy
The development of views in the nature of the physical world, of man's place in the world, and his knowledge of it in the era of the new science. Readings from Galileo, Descartes, Hobbes, Spinoza, Leibniz, Locke, and Berkeley.

530 18th Century Philosophy
The development of the modern consciousness of ourselves in a Newtonian world. The growing separation of science from religion, the growing autonomy of morals from both science and religion, the development of empiricist psychology, and the birth of a transcendental philosophy of the human mind. Readings from major philosophers of the period—Hume, Reid, Rousseau, Kant.

540 19th Century Philosophy
Post-Kantian philosophy with special attention to the development of idealism, Marxism, and existentialism which have influenced our century.

550 20th Century Analytical Philosophy
The development of the analytical tradition of philosophy in the 20th century, with special emphasis on British philosophy.

560 Existentialism
The origins and development of existentialism as a philosophy of man. Readings from Kierkegaard, Nietzsche, Sartre.

570 Oriental Philosophy
Major philosophical ideas of India, China, and Japan with special emphasis on Chinese philosophy. Course focus is on philosophical ideas rather than religious practices.

580 American Philosophy
The great American philosophers, with emphasis on the tradition of American pragmatism.

970 Philosophy Seminar
A seminar for seniors. Intensive study of a major figure in Western philosophy.
Religion (38)

Mr. Dewey, Mr. Schmeichel, Mr. Spencer (chair), Mr. Thompson.

The study of religion investigates both the personal and historical searches for what is ultimate. These studies examine the ways in which religion has shaped and been shaped by various civilizations and how religious traditions affect present personal views.

Courses in religion at Kalamazoo College are grouped in three divisions—history of religions, Biblical literature, and religious thought in the Christian tradition. All courses count toward a major, and majors must undertake some study in all divisions. All religion courses are open to non-majors. Courses recommended for freshmen include Religion 130, 400, 410, 415, 420, 450, 460, and 470.

The Major in Religion

A minimum of eight units plus two units earned in the Senior Individualized Project. Four units in each of two cognate areas are required. One cognate area must be selected from philosophy, English, history, or sociology. A double major satisfies the cognate requirements. Cognate deviations require permission of the department.

History of Religions

400 Islam
   Study of the origins and nature of Islam as a religious and cultural force. Special attention to its history, its founder (Mohammed), its sacred literature (The Koran), its theology, and the American Islamic movements.

410 Primitive Religions
   Introduction to methods and materials of the history of religions, primitive religions, and the great religious traditions of the ancient Near East civilizations.

415 Religions of the East: Hinduism
   Further study of methods and materials of the history of religions; religious traditions of the East.

420 Religions of the East: Buddhism
   Further study of methods and materials of the history of religions; religious traditions of the East.

425 General Introduction to Religion
   Study of the forms, functions, and meanings of religion as observed in human cultures.

430 Religious Founders and Reformers
   A study of the roles of founders and reformers in several religious traditions and the ways in which these roles have been understood by the communities in which they lived. Primary attention will be given to The Buddha, Jesus, and Mohammed.

Biblical Literature

450 Introduction to the New Testament
   Study of this literature in its historical, political, and cultural contexts and its religious and theological claims. Examination of critical methods and results.

460 Introduction to the Old Testament
   Study of ancient Israel's sacred literature in its historical and religious development. Examination of critical methods and results.

550 Jesus and the Gospels
   The gospels as first-century documents and as primary sources of knowledge about Jesus of Nazareth, the Jesus of history, and the Christ of the Christian religion.

555 Studies in Paul
   The role of Paul in his understanding of Jesus and as a creative force in Western civilization. The tensions in his thought and the multiple influences it integrated (Stoicism, Judaism, Gnosticism, and the mystery religions).

560 Studies in the Old Testament
   Detailed examination of one of the major sections of the Old Testament. This course offered in alternate years.

565 The Pentateuch
   The so-called Five Books of Moses, the Torah, as the earliest statement of the center of Hebrew religion.
Law, covenant, history, and story as the saving events of Yahweh.

570 The Prophets
The phenomenon of the critic of the nation from its more fundamental foundations. The writings of the classical period as new interpretations of tradition and as novel visions of religious life.

580 The Wisdom Literature
The more secular branch of the Old Testament—Job, Proverbs, Ecclesiastes, etc.—and its relationship to the ancient Near East and to the sacred traditions of Israel.

Religious Thought

130 Freshman Seminar

470 Christian Thought and the Human Situation
The relation of Christian thought to contemporary culture. Readings in modern nontheological literature as a setting for the study of major contemporary theological figures and Biblical ideas.

480 Contemporary Issues in Biblical and Theological Studies
Content of this course changes. Example of issues considered: the problem of Biblical hermeneutics, contemporary understanding of the nature and role of the church, religion and psychology, liberation theology, and the quest for the historical Jesus.

500 Biblical Thought: Augustine to Aquinas
The shaping of the Christian tradition, the heritage of Hebrew religion, the character of New Testament faith, the dialectic between heresy and responding orthodoxy, and the maturing of classical Roman Catholicism.

510 Luther to Kierkegaard
Some of the primary theological works of the 16th through 19th centuries—Luther, Calvin, Zwingli, the Left-Wing, Pascal, Locke, Edwards, Kant, Schleiermacher, Ritschl, Kierkegaard, etc.

520 History of Christianity in the U.S.
The American experience as expressed in its religious traditions.

530 Theological Ethics
Major alternative formulations of man's moral situation from the Christian perspective; emphasis on contemporary statements.

530 Philosophy of Religion
Representative topics (existence of God, nature of evil, human freedom and destiny, etc.) and key systematic positions (Augustine, Aquinas, Hume, Kant, Schleiermacher, Hartshorne, Buber, Tillich, etc.) dealing with philosophical presuppositions of religious affirmations.

590 Seminar in Religion
Intensive, systematic study of a major contemporary option—process theology (Whitehead), the Niebuhrs, Tillich, Barth, etc. Open to non-majors.
Theatre and Communication Arts (39)

Mr. Dewey, Mr. Jaquith, Ms. Lancet, Ms. Marshall.

The department of theatre and communication arts provides a series of courses and activities which provide you with the basis for creative, intellectual, and cultural growth. Through these means the department seeks to enlarge your sensitivity to the past and present and to nourish your awareness of people and of cultures that is essential for the artists in our society.

The department's productions are open to all students and serve as a laboratory for theatre courses, a creative activity for the participants, and an entertaining cultural experience for the audience. The program emphasizes a wide range of dramatic styles to give all students an acquaintance with the breadth of dramatic literature, from classical to the most contemporary. Several unusual opportunities are offered by the department—involvement with the Festival Playhouse, a resident summer company; drama study in London; use of the experimental Dungeon Theatre; and placement with a regional or New York professional theatre through the Career Development office or the GLCA New York Arts Program.

If you have an interest in communications, you may major in the department or in one of the humanities or social sciences. Through consultation with the department, you may select appropriate courses and design Career Development and SIP experiences.

The Major in Theatre and Communication Arts

Ten units, not including the SIP, are required for the theatre and communication arts major. A core of six units is required: Theatre and Communication Arts 400 or 480, 420, 560 or 570, 970, and one unit of 890 in an area of specialization. Also required is one unit of 450, 550, or 670. The remaining courses and cognates should be chosen in consultation with the departmental adviser. The major may emphasize performance, design, or communications.

Theatre Courses

130 Freshman Seminar

Significant participation as actor or technical crew in at least four major productions of the theatre and communication arts department over at least four quarters, credit limited to one unit. Participation in a production which forms part of a course for which credit is awarded may not be counted toward the credit unit. Does not count toward the humanities distribution requirement.

200 Applied Theatre


400 20th Century Theatre: Theory and Practice

Exploration of scene and costume design through play analysis. Examination of theories in line, mass, and color. Practical application in mixed media and collage projects.

440 Design I

Advanced design forms through play analysis and historical research. Design projects in rendering, model-making, or lighting. Prerequisite: Art 400 or permission.

510 Lighting Design

Techniques of stage and television lighting. Emphasis on play analysis, creative design, color theory, drafting, and projection. Practical laboratories for lighting experimentation.

520 Styles in Acting

Theories of acting and practice in stage techniques. Prerequisite: Theatre and Communication Arts 420.

560 History of Theatre I

Theatre from the Greek period to the
19th century. Play reading and background material.

570 History of Theatre II
Theatre from the 19th century to the present. Play reading and background material.

580 Direction
Principles of composition, movement, and stage business in the production of a play. Direction of a one-act play. Prerequisite: Theatre and Communication Arts 410 or its equivalent.

890 Individualized Study
Advanced studies in directing, acting, theatre history, design, lighting, film, or communications. Prerequisite: Completion of the basic course(s) in the area of study, plus permission.

970 Theatre Seminar
A synthesis of the theatre and speech curriculum with emphasis upon the individual student's area of concern. Preparation for departmental comprehensives and SIP quarter. Majors only.

Communications Courses

450 Oral Communication*
Principles of oral communication through a study of the speaker, the listener, and the media.

470 Communication Technology
Nature and potential of communication media as art form and social force. Video tape, 35mm slides, audio tape. Prerequisite: Permission.

480 History and Aesthetics of Film
Studies in the visual and aural aspects of film communication. Screenings, lectures, and demonstrations.

500 Voice and Diction*
Physiological and psychological bases underlying phonation. Special attention given to the voice.

550 Interpretation of Prose and Poetry
Study of pieces of modern literature and their oral presentation. Special attention to individual problems of voice and body before an audience.

555 Interpretation of Dramatic Literature
Study and arranging of dramatic material for group presentation in readers' theatre and chamber theatre format. Opportunity to direct a readers' theatre production. Prerequisite: Theatre and Communication Arts 550 or permission.

670 Persuasive Speaking*
Techniques of influencing human behavior by the spoken work; various forms of platform address. Prerequisite: Theatre and Communication Arts 450 or permission. Not open to freshmen.

Humanities Electives (14)

130 Freshman Seminar

600 Myth and Ritual

680 Classic and Romantic
Seminar studying Greek and Renaissance arts and letters for comparison of the two societies. Intended for students wishing a class that seeks synthesis. No departmental or distributional credits given. Not open to freshmen.

685 Medieval and Modern
Seminar comparing medieval and modern societies in same manner as Humanities 680. Intended for student wishing a class that seeks synthesis. No departmental or distributional credits given. Not open to freshmen.

690 Issues in Contemporary Culture

Women's Studies (45)

600 Seminar in Women's Studies
The status of women, the idea of gender, and related issues from a chosen period of history. Course emphasizes the methodology of women's studies—the problem of sources, impediments of bias in traditional scholarship, the influence of gender in human perception and experience. Graduation credit only, no departmental or distributional credit. English 470, Sociology/Anthropology 600, or some previous work in women's studies is strongly recommended.

*Does not count towards humanities distributional requirement.
Division IV:
Social Sciences

Economics and Business Administration
Education
History
Political Science
Psychology
Sociology and Anthropology
L. Lee Stryker Center for Management Studies and Educational Services
Concentration in American Studies
Concentration in Public Policy Studies
Concentration in International Commerce
Management Studies Program

Distributional Requirements for Division IV

Four units in theoretical and historical courses chosen from at least two departments within the division. Economics 430, Education 970, and Education 985 do not meet the distributional requirements. Courses in the public policies studies concentration may be credited in the department of economics, political science, or sociology.
Economics and Business Administration (51)

Mr. Breznau, Mr. LaRoe, Mr. Strobel, Mr. Thomas (chair), Mr. Yee.

Kalamazoo College views economics as a branch of the liberal arts in which you learn not only the techniques of economic analysis but the limitations as well. Preparation in economics provides you with options either to pursue graduate study in a wide variety of fields or to enter, directly after graduation, the fields of business, banking, or finance. Common graduate study areas for economics majors include business administration, economics, finance, international business, international relations, law, industrial relations, public administration, and public policy. In addition, the department offers a concentration in international commerce, open to all students pursuing any major who are interested in entering the growing field of international business.

The introductory course offerings in the department of economics and business administration (Economics 400 through 750) focus on the nature of the U.S. economy and on certain problem areas which are of increasing importance—the "quality of life" and national priorities; inflation, recession, and growth; balance of payments; competition and monopoly; underdeveloped economies; and management, labor, and urban problems.

Advanced courses (Economics 760 through 980) stress economic analysis and special study of selected areas.

The Major in Economics and Business Administration

A minimum of eight units, not including the Senior Individualized Project. Required are Economics 400, 410, 450 (or Mathematics 365), and either Economics 540 or 550 (although taking both is recommended). Courses in the public policy studies area also carry economics and business administration credit. Economics 400 is a prerequisite for all economics courses. All senior majors must take at least one advanced course (Economics 910 through 975) during one of their last two quarters in residence. Senior comprehensive field examinations can only be satisfied by courses taught by members of the economics department. Further, the department strongly recommends that majors: (1) take Economics 410 and 450 before the end of the sophomore year; (2) take work in quantitative methods (computer science, calculus, econometrics, mathematics for economics and business, and accounting), and (3) develop a cognate field by taking three to six courses in another department.

Below are some suggested course sequences classified according to student interest:

**Pre-business**—Economics 400, 410, 430, 450, 520, 530, 560, 920, 940, 975, and 540 and/or 550. Mathematics 410 and 430. Computer Science 400.


**Public Policy**—Economics 400, 410, 450, 520, 720, 740, 920, and 540 and/or 550. Public Policy Studies 700 and other public policy studies courses (see concentration in public policy studies).

**International relations**—Economics 400, 410, 450, 500, 510, 520, 530, 975, and 540 and/or 550.

**International business**—Economics 400, 410, 520, 530, and 975. Language 430, Foreign Study participation, international social science elective, and international SIP (see concentration in international commerce).

**Pre-law**—Economics 400, 410, 430, 450, 740, and 540 and/or 550. Public Policy Studies 700 and other public policy studies courses.

102
400 Principles of Economics I
Introduction to basic micro and macro economic principles and their application to current economics, such as supply and demand, competition and monopoly, inflation, unemployment, basic monetary and fiscal theories and policies.

410 Principles of Economics II
Continuation of two-term sequence on micro and macro economics, with additional emphasis on analytical tools. Topics covered include consumer choice, price discrimination, productivity, income distribution, and oligopoly. More advanced analysis of economic fluctuations, stagnation, and monetary and fiscal policies. Prerequisite: Economics 400.

430 Managerial Accounting
Principles and nature of accounting data and methodology as a tool for analysis and managerial control of an enterprise. Budgeting, profit planning, cash flow analysis, cost allocation, and depreciation concepts. Does not count toward the Division IV distributional requirement. Prerequisite: Economics 400.

450 Statistics
Accumulation, analysis, and presentation of data. Measures of location and dispersion, probability, frequency distributions, parameter estimation, hypothesis testing, correlation, and regression analysis related to problems in the social sciences. Prerequisite: Economics 400.

500 Economics of Less Developed Countries
Key aspects of the poverty problem facing underdeveloped nations, analysis of alternative theories and policy prescriptions, the roles of government planning and the private sector, and international trade and foreign aid. Students select one country for concentrated study. Prerequisite: Economics 400.

510 Economics of Sub-Saharan Africa
Survey of economic problems and developments in sub-Saharan Africa. Analysis of colonialism, foreign investment, development, planning, and peasant agriculture. Prerequisite: Economics 400.

520 Money and Banking
Role of money and banking institutions in economic activity. Topics include monetary theory, types and functions of money, and the roles of commercial banks and central banks in money creation and macro-economic stabilization. Prerequisite: Economics 410.

530 International Economics
Analysis of trade problems, theories, and policies, with focus on the United States. Topics include balance of payments, international financial systems, tariffs, and other trade barriers. Emphasis on the underlying debate over protectionism versus free trade. Prerequisite: Economics 400 and sophomore standing.

540 Intermediate Microeconomics
Price system and resources allocation; theory, nature, and efficiency of the market system. Brief introduction to input-output analysis and linear programming. Prerequisite: Economics 410. Mathematics 410 is recommended.

550 Intermediate Macroeconomics
National income accounting, analysis, and control. Role of consumption, investment, and fiscal and monetary policy in the determination of national income. Use of government expenditures, taxation, money stock, and interest rates in controlling inflation, unemployment, recession, and growth. Prerequisite: Economics 410. Mathematics 410 is recommended.

560 Administrative Organization
The nature and role of management in the context of traditional and behavioral science. Emphasized are the social and economic structure of large-scale organizations, planning, decision making, and the influence of the changing social, political and technological climate. Management process from the traditional viewpoints of organizing, planning, controlling, and activating. Prerequisite: Economics 400.

565 Industrial Organization and Public Policy
Economic characteristics and business practices of modern industry.
Antitrust laws and their impact on the American economy. The role of public policy designed to maintain competition, alter its character, or regulate monopoly. Prerequisite: Economics 400.

570 Human Resource Economics
A survey of the principal economics problems emanating from the employment relationship. Topics considered include determinants of labor supply and demand, human capital formation and valuation, income maintenance programs, and labor force participation by women and older people. Prerequisite: Economics 410.

580 Managerial Marketing
The role of marketing in managing an enterprise, market structures, marketing institutions, consumer behavior, channels of distribution, and the profitable allocation of available resources. Prerequisite: Economics 400. Not open to those with credit in Economics 900.

590 Corporate Finance
Management of financial aspects of economic organizations, primarily non-financial business firms, emphasizing asset and liability management. Topics include working capital management, long-term capital budgeting, cost of capital, sources and composition of financing, financial leverage and risk, dividend policy, and the valuation of common stock. Prerequisite: Economics 400 and 430 and sophomore standing. Not open to those with credit in Economics 930.

700 Introduction to Public Policy Analysis (see PPS 700)
710 Food, Energy, and Population (see PPS 710)
720 Urban Economics and Policy Analysis (see PPS 720)
730 Bureaucracy and Freedom: Introduction to Complex Organizations (see PPS 730)
740 Public Finance and Fiscal Policy (see PPS 740)
750 Society and Public Policy in Western Europe and America (see PPS 750)

760 National Policy Analysis (see 760)
770 Public Administration (see PPS 770)
780 Industrial and Organizational Psychology (see Psychology 780)

910 Mathematics for Economics and Business
Mathematical tools from multivariable calculus and linear algebra will be developed and applied to the analysis of the behavior of consumers and business firms. A mathematical model of the macroeconomy will also be examined. Prerequisite: Economics 410 and Mathematics 410.

920 Monetary Theory and Policy
Advanced topics in monetary theory and policy. Role of money supply, monetary aggregates, interest rates, and the Federal Reserve in managing problems of recession, inflation, unemployment. Prerequisite: Economics 520 or 550.

940 Econometrics
Introduction to the statistical estimation of quantitative economic models; problems in the application of regression analysis; topics such as least square techniques, instrumental variables, serial correlation, and simultaneous equation systems. Prerequisite: Economics 410 and either Economics 450 or Mathematics 365. Mathematics 410 is recommended.

970 Departmental Seminar
An advanced seminar focusing on selected topics. Prerequisite: Senior standing in economics.

972 Political Economy Seminar
Concentrated study of major works in political economy with cross-disciplinary emphasis including economic history, history of ideas, comparative systems, and social change. Prerequisite: Economics 400, senior standing, and permission of the instructor.

975 Seminar in International Commerce
Analysis of the current financial and economic setting of international business, focusing on the U.S. and its major trading partners. Prerequisite: Economics 520 and 530.
Education (52)

Mr. Phillips (chair), Ms. Evers.

The department of education provides you the opportunity to prepare for a career in secondary school teaching by meeting the requirements necessary for certification in Michigan and other states. In an arrangement with Nazareth College in Kalamazoo, you may also pursue elementary certification. Details of this arrangement are available in the department office.

If you expect to teach at the college level or pursue a career in the ministry, business, industry, or social work, you may elect certain departmental offerings to broaden your understanding of the educational process and to develop a coherent and functional philosophy.

Kalamazoo College subscribes to and has for some time implemented The Rules Governing the Certification of Teachers as they pertain to "Equality of Educational Opportunity" in the 1967 certification code adopted by the state Board of Education.

Since individual state requirements may vary, you should consult with the department about certification requirements as early as possible in your college career. The Michigan Secondary Provisional Certificate permits you to teach in your major and minor fields in grades seven through 12 for six years. You may be recommended by the College for this certificate upon successful completion of the requirements listed below.

The Michigan Secondary Provisional Certificate

Requirements for the Michigan Secondary Provisional Certificate are:

1. A teaching major of not less than nine units above the introductory course in the major.* You may be certified for a teaching major in art or music (12 units each) or biology, chemistry, economics, English, French, German, history, mathematics, physics, political science, psychology, sociology, Spanish, theatre and communication arts.

2. A teaching minor of at least six units. You may be certified for a teaching minor in

*Applies only if a department has an introductory course that does not meet the departmental requirements for the major.
computer science, physical education, and psychology** as well as in all the major fields listed above.

(3) Five units in education, including Education 600, 970, and three units in 985.
(4) Two units in psychology selected from Psychology 350, 400, 650, or 440.
(5) One unit in the teaching of reading, Education 670.

Kalamazoo College has been approved for a group minor in bilingual/bicultural French, German, and/or Spanish. Students interested in pursuing this minor should confer with the department of education.

If you seek certification, you must apply formally to the department of education and be recommended by your major and minor departments entering the secondary teaching internship (Education 985).

The College will not recommend you for certification if you fail to maintain a grade average of C or better in your teaching major and minor. In addition, you must have a C or better in each course required by the state of Michigan for certification—i.e., Education 600, 970, and two of the following: Psychology 400, 440, 450, or 650.

The state of Michigan certifies students in a group major and group minor consisting of 11 units and eight units, respectively, made up of a planned sequence of courses in the social sciences, general science, and English-theatre arts. If you are interested in this, you should discuss it with the department of education.

**If you minor in psychology, you must have Psychology 400 and five additional units as well as the two units in psychology which are required for certification.

400 Urban Education
An overview of the realities of teaching children of the poor. Discussion of the mores, fears, sensitivities, and domestic family structures which are part of the poor community. Prerequisite: Education 600 or permission of the instructor.

600 Basic Concepts in American Education
Contemporary American educational thought and practice from the perspectives of history, philosophy, and the behavioral sciences. Issues and trends related to school organization, curriculum, educational aims, financial support, and the role of professional personnel. Not open to freshmen.

670 Reading in Secondary Schools
Methods and materials for improving reading in junior and senior high schools. Emphasis placed upon theoretical aspects of reading, diagnostic skills, and reading in specific content areas. Prerequisite: Education 600 or permission of the instructor.

700 Basic Concepts of Music Education
(see Music 700)

770 Music Education for the Classroom
(see Music 770)

970 Principles of Teaching
Introduction to teaching in the secondary school and the role of the teacher in the contemporary school. Instructional planning, strategies, and technology as they relate to the student's teaching major and minor. Teacher-pupil relationships, curriculum development and organization, evaluation of learning, and participation in local schools. Prerequisite: Education 600. To be elected as close to the teaching internship as possible.

985 Secondary School Teaching Internship (three units)*
Supervised teaching internship and observation at junior or senior high school level in the field of major. Responsibility for instruction and wide participation in the school's total education program. Prerequisite: Education 970 and a course in the psychology sequence. Application to and approval by the department of education and recommendation of major and minor departments.

*Only two units will be counted as SIP credit toward the College graduation requirements. The third credit unit counts only toward Michigan certification requirements.
History (53)

Mr. Barclay (on leave 1982-83), Mr. Moritz (chair), Mr. Rainsford, Mr. Strauss, Mr. Wickstrom.

One of the oldest of academic disciplines, history occupies a central position in a liberal arts education. Such education equips you to understand and appreciate the world and to meet its challenges with informed determination. The study of history contributes much to these ends. History maintains that man and society are the products of their past; therefore an understanding of the past provides you with insights necessary to both personal and social development.

These insights result from the unique skills of the discipline. Through an appreciation of the complexities and ambiguities of historical evidence, you become aware of the multiple causes of social change. The historian, then, is wary of simple solutions offered by both past and present problems. Moreover, the historian’s view of the successes and failures of the past equips him with an informed opinion concerning potential progress and failure in the future.

Finally, history stands at the core of a liberal arts education, since one aim of that education is to integrate the various disciplines. Taking as its subject the whole of man and society in the past, history draws upon all disciplines to reconstruct that past. The study of history, then, provides a framework for the study of other disciplines and helps the advanced student integrate various academic experiences.

The Major in History

It is strongly urged that majors begin courses with Western Civilization (History 400 and 405) in the freshman year, followed by the United States survey (History 410 and 415) in the sophomore year. Students are strongly urged to take courses in each of the four divisions of the department—Europe before 1500, Europe after 1500, United States, and non-Western. Majors must enroll in two seminars—a research seminar in the junior spring or summer and the Philosophy of History seminar (History 900) in the summer of the junior year.

130 Freshman Seminar

400, 405 Western Civilization

Introduction to the historical study of western European civilization from ancient beginnings to the present. Emphasis upon major political, intellectual, and economic developments and ideas through the study of particular problems.

410, 415 History of the United States

Growth of the United States from colonial times to the present. Both courses deal with economic, social, and intellectual as well as political developments. Recommended for those planning to teach.

420, 425 History of England and the British Empire


460 Modern Russia

Survey of Russian history from Catherine the Great to Brezhnev, including topics such as background and nature of the Tsarist system, Russian culture in the 19th century, crisis of the Tsarist system, emancipation of the serfs, the revolutionary intelligentsia, Lenin and Bolshevism, revolutions of 1905 and 1917, consolidation of the Soviet Union, Stalin, rise of the Soviet Union to world power, and the Cold War and beyond.

490 Red, White, and Black: Race Relations in the Americas (see American Studies 490)

500 Roman Civilization

Rome from the foundation of the republic to the empire of Constantine.

505 Greek Civilization

Greece from Homer to Alexander the Great. Emphasis on arts and letters.
510 American Diplomacy Since 1898
Examination of the origins and concepts which have shaped modern American diplomacy, especially the impact of the Monroe Doctrine, manifest destiny, and the open door on 20th century policy. Standard and revisionist interpretations of the Spanish-American War, the two World Wars, and the Cold War.

515 American Intellectual History
Exploration of the major ideas guiding the American experience from the colonial period to the 20th century, especially the impact of Puritanism on the development of a uniquely American approach to social and political organization. Sermons, poetry, philosophy, and political theory used as sources.

520 Revolution, Industry, and Imperialism: Europe in the 19th Century
Europe from 1789 to 1914. The French and industrial revolutions, liberalism, nationalism, national rivalries, socialism, social reform, imperialism, and great power conflicts.

525 Contemporary Europe
Main political, economic, and intellectual developments. Imperialistic rivalries and the coming of World
War I, the Russian revolution, the emergence of fascism and communism, the coming of World War II, the reconstruction of European union, the Cold War, and present tensions.

530 History of the Far East
A general study of the history of China and Japan, particularly in the modern period. Emphasis on the development of cultures and traditions, the coming of Europeans, and the modernization process.

540 French Revolution and Napoleon
France from Louis XIV to Napoleon. Emphasis on structure and problems of the ancien regime, origins of the revolution itself, and the Napoleonic period.

545 History of France, 1815-Present
The "decline and renewal" of modern France. Topics such as post-Napoleonic restoration, revolution of 1830, church vs. state, the Third Republic and the politics of scandal, the collapse of 1940, the Vichy regime, the Fifth Republic, and de Gaulle.

550 Medieval History I: The Early Middle Ages
The rise of Christian Europe from 300 to 1100 A.D., patristic and early medieval arts and letters, growth of the Catholic church and the German empire, and England before the Norman conquest.

555 Medieval History II: The Later Middle Ages
Development of modern European kingdoms, especially England, France, and Germany from 1100 to 1500 A.D. Emphasis on constitutional and religious change and arts and letters in the high and later Middle Ages. Recommended for pre-law majors.

560 Renaissance and Reformation
Examination of the culture of the Italian Renaissance and the development of the Protestant Reformation. Emphasis on the relationship of these phenomena and their connections with the later Middle Ages and northern humanism.

570 Africa Before 1800
Africa south of the Sahara, including the earliest period, Medieval empires of western Sudan, Ethiopia, and Bantu-speaking Africa and the Atlantic slave trade.

575 Africa Since 1800
Africa south of the Sahara, including precolonial Islamic revolution in western Sudan, other precolonial African kingdoms and federations, reactions to colonial rule, and emergence of new independent states.

580 Historical Topics: West Africa
Dispersion of peoples and diffusion of ideas throughout west Africa over the past eight centuries. Attention to sources and consideration of literature will be important.

585 Germany and Central Europe in the 19th Century
Evolution of the modern German nation-state, effects of industrialization and nationalism, popular culture, and the emergence of antisemitism.

590 History of Germany and Central Europe, 1890-Present
Investigation of topics such as the German empire under William II, expansionism and the origins of World War I, impact of the conflict upon German society, early years of the Weimar Republic, Hitler and the rise of National Socialism, the Nazi seizure of power, and the emergence of two separate German states.

700 Society and the Individual in Modern America (see American Studies 700)

780 The City in History (see Political Science 780)

900 Junior Seminar: Philosophy of History
Approaches to historical knowledge. Required of all junior history majors.

970 Seminar in Medieval History
Prerequisite: History 555 or permission of instructor.

971 Seminar in United States History
Prerequisite: Two units of United States history.

972 Seminar in 20th Century British History
Prerequisite: History 420, 425, or permission of the instructor.
Believing in the contribution of the study of politics to a liberal education, this department approaches political science as an integrated discipline. Its purposes are threefold: to provide you with basic instruction in political behavior, theory and institutions; to offer you a thorough grounding for study in graduate and professional schools (political science forms a key part of the pre-law program); and to prepare you for public or government service at the local, state, national, or international level. In assisting you to understand both the methods and substantive issues of the subject, the department combines its broad range of courses, seminars, and individualized work with practical experience in government, public service, and legal institutions.

The Major in Political Science

A political science major consists of at least eight units of political science credit. The required courses are Political Science 400 and 970. Strongly recommended are Political Science 420, 910, and at least one course from each of the five subfields of the discipline.

American Government and Politics

400 Introduction to Political Science
Introduction to the structure and functioning of the national government. Introductory analysis of the processes of policy formation, the relationship of the state and the individual, and the degree and nature of popular control.

410 Urban Government
Structure and functioning of state and local governments. Problems of metropolitan areas and problems of relationships in the federal system. Readings and discussion combined with clinical research work.

420 Politics, Parties, and Public Opinion
Analysis of the process of public decision making with reference to the nature and role of interest groups, political parties, and their relationship to other forces and factors that form public opinion. Prerequisite: Political Science 400 or permission of the instructor.

430 American Federalism
History and operation of the American federal structure, studied both as a constitutional method of regulating political conflict and allocating resources and as an enduring theory of government. Examination of social and policy implications of the movement for greater decentralization and local control, discussion of regional and metropolitan agencies, and problems of intergovernmental conflict. Prerequisite: Political Science 400 or permission of the instructor.

440 President and Congress
Study of the historical development of the current power relationship between the U.S. president and the Congress; exploration of possible future directions of this relationship. Prerequisite: Political Science 400 or permission of the instructor.

720 Urban Economics (see PPS 720)

730 Bureaucracy and Freedom: Introduction to Complex Organizations (see PPS 730)

750 National Policy Analysis (see PPS 760)

Comparative Politics

500 Gandhi and Modern India
Examination of modern Indian politics and society through historical and cultural perspective. Emphasis on the Gandhian idiom as a mode of regulating conflict, as an alternative direction for modern India, as a way of addressing issues of human subjection, domination, and equality, and as an example of the complex relationships of religion and politics in southern Asia.

510 Comparative Political Institutions: Major Powers of Western Europe
Systematic study of the political systems, institutions, and practices of the major foreign powers of western Europe—Great Britain, France,
West Germany. Cultivation of ability to analyze and compare their practices.

520 Politics of the Soviet Union
Soviet political development since the Bolshevik revolution, emphasizing the recent period. The party, state, policy groups, dissenters, and current problems and prospects.

530 The Politics of Industrialization
Issues and problems involved in the process of industrializing the newly independent and/or developing countries. Prerequisite: Political Science 490, Economics 400, or permission of the instructor.

540 Politics of Africa
Detailed examination of the politics of selected states in Africa in light of theories of political development. Special emphasis on the interaction of colonial and precolonial institutions in the shaping of contemporary politics.

550 Politics of East Asia
Detailed analysis of the problems confronting all nations that are located in or have interest in Asia. Prerequisite: Political Science 490 or permission of the instructor.

600 Rise of Chinese Communism
A "case study" of the last stages of the modernization process which developing countries experience in their drive to "westernize." The downfall of the Chinese Nationalist regime and the rise of the Communist Party, with particular emphasis on policies and politics of the Peoples' Republic of China as they are known to the western world. Prerequisite: Sophomore, junior, or senior standing or permission of the instructor.

710 Food, Energy, and Population (see PPS 710)
750 Society and Public Policy in Western Europe and America (see PPS 750)
780 The City in History (also History 780)
Study of the city, including such topics as urban center development, the impact of industrialization on population movements, and ramifications of urban living.

Political Theory

450 The Crises of Democracy
Modern democracy in theoretical and historical perspective. Discussion of contemporary issues such as representation theory, centralized bureaucracy, private power, and movements for direct participatory democracy.

460 Great Issues of Political Thought
An historical introduction to political theory from early Greece to the medieval period. Topics include the origin, nature, and purpose of the state, the location and nature of political sovereignty, and individual rights.
470 Communism, Fascism, and Democracy
Leading political ideas in the 19th and 20th centuries, with special reference to liberalism, Marxism, and fascism.

Public Law and Administration

570 Civil Liberties
Individual liberties as they are defined by the Supreme Court today. Development of the court's point of view in such areas as freedom of speech, subversion and disloyalty, religious freedoms and church-state separation, and equal protection of the laws. Impact of the court's present position on other problems of democratic government and the role of the Supreme Court in our political system.

650 Constitutional Law
Development of the American Constitution and of the role of the Supreme Court in the processes of American democracy.

700 Introduction to Public Policy Analysis

740 Public Finance (see PPS 740)
770 Public Administration (see PPS 770)

International Relations

480 Soviet Foreign Policy
Historical and analytical examination of the foreign policy of the Soviet Union, tracing its development from the foundation of the state, including the role of ideology, the wartime alliance, the Sino-Soviet conflict, detente, and the effect of growing international dependence.

490 The United States in World Affairs: An Introduction
Basic tenets of American foreign policy, the process of foreign policy making, determinants of the present role of the United States.

580 Principles of International Politics: An Introduction
Basic factors governing the conduct of states in the international area, outstanding theories of international relations, and problems of war and peace in an increasingly dangerous, interdependent world.

590 International Law and Organizations
International law, global international organization, and regional international organization as three forms of international problem-solving. Emphasis on international law, the United Nations, and European community through study of their theoretical foundations, political realities, and future prospects. Prerequisite: One unit from Political Science 490, 510, 580, or 920, or permission of the instructor.

595 National Security and National Resources
The role of resources in international politics, emphasis on petroleum and its energy substitutes, strategic minerals and raw materials, agriculture as a political tool, ocean resources, and introductory global modeling. Participation of natural science majors strongly encouraged. Prerequisite: Upper class standing or Political Science 580.

Seminars and Research

130 Freshman Seminar
800 Group Studies

910 Seminar in Political Science
Analysis from political science perspectives of selected issues useful for illuminating methodological problems, for bringing into focus prior experiences in political science, and for understanding important questions of national and international scope. Prerequisite: Senior standing and permission of the instructor.

920 Seminar in International Politics

970 Contemporary Behavior Theory and Methodology
Analysis of major premises and theoretical frameworks underlying current political science research. Focus on "models" representing national systems and suggested international "models." Prerequisite: Senior standing and permission of the instructor. Required of all political science majors.
Psychology (61)

Mr. Grossman, Mr. Jacobs, Mr. Supnick (chair), Ms. Vogel.

Psychology, broadly defined, is the study of behavior and, in humans, includes the study of experience. It is a diverse field with important connections to biology, education, philosophy, and sociology. Increasingly, psychologists may be found in business, industry, education, government, and medicine, as well as in the more traditional areas of psychological research and mental health.

Given its diversity and connections to other disciplines, psychology is a reasonable choice of major if you seek a broad, liberal undergraduate education. Psychology is also a practical major if you seek a career in fields where techniques and skills for interacting with and understanding other people are important. It is often the case that you may go on to professional study in fields other than psychology. Finally, as a psychology major, you may choose to become professional psychologists, to pursue a career as a scientist, clinician, or as a practitioner in applied disciplines such as industrial or educational psychology. Such careers generally require at least the master's and usually the doctoral degree.

The Major in Psychology

The major in psychology consists of a minimum of eight units plus a psychology SIP or the approved equivalent. General Psychology (400) and Senior Seminar (975) are required, as are at least three units from the upper-level core, including at least one of the following: Developmental Research Methods (925), Experimental Methods (930), or Methods of Assessment (935). Experimental Methods (930) and Applied Statistics (Mathematics 360 or 360-365) are strongly recommended for those planning graduate study in psychology.

Psychology requirements for teacher certification are described in the department of education's section of this catalog.

Course for Majors and Non-Majors

130 Freshman Seminar
Not for major credit.

400 General Psychology
Survey of major theories, methods, and findings related to understanding behavior and experience. The course uses the case-study approach to examine a wide variety of topics such as learning, memory, perception, personality, and psychotherapy. The role of the central nervous system in normal and abnormal behaviors is emphasized. Prerequisite for all lower and upper-level courses except Psychology 450.

410 Interpersonal Communication
Study of facts that influence communication in interpersonal and small-group settings, such as context, perception of self and others, verbal and nonverbal messages, clear speaking and careful listening, and conflicts and barriers to communication. A main focus of the course will be integrating textbook theories and practical classroom exercises.

520 Topics in Development Psychology
Examination of a selected topic in developmental psychology—adolescence, adulthood and aging, socialization of sex differences, and problems of development. Prerequisite: Psychology 400 or junior standing. Not open to those who have credit in Psychology 900.

650 Educational Psychology
Survey of selected facts and principles of human learning, communication, and social interaction, with emphasis on their application to classrooms and other teaching-learning situations. Recommended for teacher certification.

720 Physiological Psychology (also Biology 720)
Structure and function of the central nervous system and associated sensory and motor units; their application to the explanation and understanding of behavior. Prerequisite:
Psychology 400 or Biology 420 or permission of the instructor.

725 Ethology (see Biology 725)  
Prerequisite: Psychology 400 or Biology 400 or 420.

730 Culture and Personality (see Anthropology 730)  
Prerequisite: Psychology 400 or Sociology/Anthropology 400.

780 Industrial and Organizational Psychology (also Economics 780)  
Introduction to and survey of topics in personnel and organizational psychology. This course takes somewhat of an interdisciplinary perspective and emphasizes the application of concepts, findings, and theories to organizations of all kinds. Not open to students with credit in Psychology 540.

Lower-Level Core
Open to all students with Psychology 400, including freshmen.

420 Motivation  
Survey of theories of motivation, data on which theories are based, and experiments and real-life situations from which these data arise. Focus on some aspect of the direction, vigor, and persistence of behavior.

430 Perception  
Phenomena of perception, their development and differentiation, and experimental approach and theoretical bases.

440 Learning  
Examination of ways in which behavior changes as a result of experience in laboratory and natural settings. Theoretical attempts to account for these behavioral changes.

450 Developmental Psychology  
Development from infancy through adolescence. Consideration of the processes underlying change in social, intellectual, and emotional behavior.

500 Abnormal Psychology  
Pathological, regressive behavior patterns and symptoms with focus upon the origin, nature, and methods of treatment of abnormal behavior, and study of experimentation designed to validate theoretical concepts.

510 Behavior Theory Practicum  
Basic principles of behavior theory. Behavioral-modification procedures produced by these principles in familial, educational, clinical, and social settings. Additional prerequisite: Permission of the instructor.

525 Child Development Practicum  
Observation of young children coordinated with examination of theories and issues in child development. For students intending careers in child development or related areas. Additional prerequisite: Psychology 350 or 450. This course is also open to students who have had Psychology 350 but not Psychology 400.

750 Social Psychology (also Sociology 750)  
Survey of some contemporary topics in social psychology, including attitudes, communication, attraction, prejudice, aggression, conformity, and person perception. Methods, findings, and applications of the discipline are emphasized. Alternate prerequisite: Sociology/Anthropology 400.

Upper-Level Core
Three courses from the upper-level core are required for the major, including Senior Seminar (975) and at least one of the following: Psychology 925, 930, or 935. Prerequisites to the upper-level core are three courses in psychology, including Psychology 400.

910 Humanistic Psychology  
Consideration of alternatives to behavioristic and psychoanalytic approaches. Examination of humanistic and nonhumanistic approaches and implications of the differences between them.

915 Theories of Personality  
Survey of contemporary theories of personality and related research.

920 Language and Thought  
Development of cognitive processes. Theories of knowledge acquisition, concept formation, intellectual functioning, and creativity.
925 Developmental Research Methods
Examination of theories and issues of human development through participation in research activities. For students intending graduate study in related fields. Additional prerequisite: Psychology 350 or 450. Not recommended for sophomores.

930 Experimental Methods
Laboratory emphasizing problems of experimental design and data collection; reporting of experimental findings; application of statistical techniques. Additional prerequisite: Mathematics 360 or 375 or permission of the instructor.

935 Methods of Assessment
Overview of theoretical and practical aspects of the assessment and prediction of human behavior. Achievement, intelligence, personality, attitudes, and interests testing. Recommended prerequisite: Psychology 500 or 915.

950 History and Systems of Psychology
Historical development of psychological concepts. Discussion of systematic approaches and contemporary miniature systems. Recommended for students intending graduate study in psychology.

960 Mental Health Practicum
Concepts of mental health and illness examined in the context of institutions and professionals in the community. Academic and field work combined to gain critical understanding of the problems in this area. Additional prerequisite: Permission of the instructor.

970 Seminar
Consideration of contemporary theoretical and practical issues in psychology.

975 Senior Seminar
Consideration of current psychological issues in the liberal arts, society, and the profession. Participation in the departmental program as a teaching or research assistant or work in local mental health agencies during one quarter. Preparation for SIP research through literature search and critical discussion, and oral presentation based upon SIP project. Attendance is required in all quarters in which a student is in residence beginning junior spring. Credit is assigned to any of the quarters, grade recorded in senior spring. Prerequisite: Junior standing.
Sociology and Anthropology

Ms. Arnold (chair), Mr. Bradfield (on leave 1982-83), Mr. Cummings, Mr. Means, Mr. Stauffer

In approaching the complementary fields of sociology and anthropology, this department stresses both theoretical understanding and observation of social institutions and processes, frequently including practical assessment in community situations of theories analyzed in class. Such learning helps you understand the human condition, the various societies in which it operates, and the cultural traditions which form and reform it. It also improves your concept of a citizen’s rights and responsibilities in a changing world. Knowledge gained from advanced courses provides you with preparation for graduate study in sociology and anthropology and such related fields as social work, journalism, law, city planning, or for a career in government, personnel, teaching, or programs in developing countries.

The Major in Sociology (62)

A minimum of nine units in sociology (62) or sociology/anthropology (64) in addition to the Senior Individualized Project, which may be undertaken in any department. Required are 64-400, 64-450, 64-905, and 64-970. In addition, 64-550 and Mathematics 360 and 365 are strongly recommended.

The Major in Anthropology (63)

A minimum of nine units in anthropology (63) or sociology/anthropology (64) in addition to the Senior Individualized Project, which may be undertaken in any department. Required and recommended courses are the same as for the sociology major (see above) except that 63-400 (Archeology) is also required.

The Major in Sociology/Anthropology (64)

A minimum of 11 units in addition to the Senior Individualized Project, which may be undertaken in any department. At least two courses must be taken in sociology (62) and at least two in anthropology (63). Required and recommended courses are the same as for the sociology major (see above) except that 63-400 (Archeology) is strongly recommended.

If you intend to major in the department of sociology and anthropology, you may begin your work in any quarter of your freshman or sophomore year. Sociology/Anthropology 64-400 is a prerequisite to some sociology and anthropology courses, but not to courses identified as “basic courses” in the catalog nor to courses cross-listed with other departments, except where specifically noted. Consult with departmental faculty about assigning credits for courses cross-listed with other departments.

Sociology (62)

Courses numbered “62” can be credited only toward a sociology or sociology/anthropology major.

Basic Courses
62-130 Freshman Seminar
62-430 Social Problems

The impact of economic systems and class structure upon interpersonal relationships, the family, mental health, and aging. Studies of deviant behavior, inequality, and conflicting theories of how to respond to ecological crisis.

Advanced Courses
54-700 Society and the Individual in Modern America (see American Studies 700)
59-700 Introduction to Public Policy Analysis (see PPS 700)
59-710 Food, Energy, and Population (see PPS 710)
59-720 Urban Economics and Policy Analysis (see PPS 720)
59-730 Bureaucracy and Freedom: Introduction to Complex Organizations (see PPS 730)
59-740 Public Finance (see PPS 740)
59-750 Society and the Public Policy in Western Europe and America (see PPS 750)
59-760 National Policy Analysis (see PPS 760)
59-770 Public Administration (see PPS 770)
62-400 Urban Sociology
Principles of vital neighborhoods, historical development of crises in our central cities and divergent strategies for meeting them, suburbs in Sweden and the United States compared, field trips to Detroit and Chicago, and field work.
62-410 Crime and Society
Theories of crime causation, punishment, and correction. Problems of relative justice in American society.
62-500 Social Inequality: Stratification in Modern Society
Distribution of, and opportunities for, power and privilege in relation to social class. Consideration of parental background, education, race, and sex as they affect life chances. The importance of ideologies in stratification systems and life-style and political consequences of stratification systems.
62-750 Social Psychology (also Psychology 750)
Survey of topics and methods of social psychology, including attitudes, person perception, socialization, group processes, and behavior in institutional settings. Application of theoretical constructs and research findings to social problems.

Anthropology (63)
Courses numbered "63" can be credited only toward an anthropology or sociology/anthropology major.

Basic Courses
63-400 Archeology
A survey of human prehistory in Europe, Africa, Asia, and the new world from the earliest hominid cultures to the advanced agricultural centers. Emphasis on archaeological methods and inferences.

Advanced Courses
63-500 American Indians
Ethnological survey of various groups with reference to social institutions, behavior and environmental possibilities.
63-520 Social Change in the Third World
Special emphasis on recent literature about world systems theory, third world development, and on the practical problems involved in change and development.
63-530 Peoples of Mexico and U.S. Hispanics
Settlement and early cultures of the area with emphasis on the rise of major culture centers as seen through archaeological and ethno-historic sources. The impact of European civilization, surviving Indians, and the current peasant and urban peoples.
63-540 Cultural Ecology of South America
Ethnological survey of native and modern populations of South America with theoretical emphasis on ecological and cultural adaptation.

63-550 Ethnology of Africa
Ethnological survey of major ethnic groups south of the Sahara with emphasis on the culture change process in various areas.

63-560 Peasant Cultures of the World and Revolutionary Change
Emphasis on agriculture, population, modernization, and revolutionary change in peasant cultures of Europe, Africa, Latin America, and Asia. Prerequisite: Sociology/Anthropology 64-400 and 64-450.

63-730 Culture and Personality (also Psychology 730)
Cross-cultural comparisons of contrasting theories of the determinants of personality and the interrelationships between the cultural prescriptions and individual behavior.

Sociology/Anthropology (64)
Courses numbered "64" can be credited toward a major in sociology, anthropology, or sociology/anthropology.

Basic Courses
64-400 Human Societies
The study of the major types of human societies, integrating basic concepts of sociology and cultural anthropology with research findings from both disciplines in a wide range of cultural settings. Prerequisite for all advanced sociology and anthropology courses except those cross-listed in other departments.

64-450 Methods of Social Research
Field exercises in participant-observation, in-depth interviewing, and survey analysis. Introduction to disciplined information-gathering and interpretation.

Advanced Courses
64-410 Medicine and Society
A cross-cultural analysis of the relationship of society to health and the disease process through the examination of the evolution of knowledge about disease; of the ways different societies, ethnic groups, and social classes view disease; and of alternative national health care system.

64-420 The Family
Contemporary family institutions in cross-cultural and historical perspectives. Consideration of structural and interactional problems in nuclear and extended families, and of emerging family alternatives.

64-550 History of Social Thought
The emergence of social theory in the 19th and early 20th centuries. Focus on Marx, Weber, Durkheim, and other representative social theorists.

64-600 Women in Cross-Cultural Perspective
An analysis of the role of women in "traditional" and "modern" societies, with emphasis on the impact of the degree of women's autonomy and influence on different family models, kinship systems, and economic patterns. Prerequisite: Sophomore standing or above.

64-905 Modern Social Theory
Central theoretical ideas and controversies in contemporary sociology and anthropology.

64-910 Social Theory and Social Research
This advanced majors course will help students systematically use theory in research and aid in planning SIPs. It will develop skills in the perception of alternative interpretations of social reality and in the formulation and testing of hypotheses.

64-970 Senior Seminar: Modern Social Theory and Issues
Study of recent works in sociology and anthropology which represent major theoretical issues and applications of theory to modern social issues.
L. Lee Stryker Center for Management Studies and Educational Services

Mr. Chen (director), Ms. Ham.

The Stryker Center is an educational arm of Kalamazoo College and the community with the mission of providing innovative educational and service programs not ordinarily available. An advisory council made up of College and community leaders guides its operation.

The specific objectives of the Center are to help business and industrial firms and public agencies develop their human resources; serve as the focus of interaction among academicians, business people, citizens at large, and public figures interested in the pursuit of common goals; create an environment that is conducive to the free exchange of ideas; make the educational process more cost effective; and give the faculty and students of Kalamazoo College an added dimension to their liberal arts perspective.

Located in the former president's house at 1327 Academy Street, some of the Center's current and prospective offerings include a Management Studies Program, a Kalamazoo Forum, a computer-based data bank for small business, a Student Intern Program, and a Stryker Club for young executives.

All offerings of the Center for Management Studies and Educational Services carry CEU credits. Degree-seeking candidates at Kalamazoo College may credit one unit from the Center toward the graduation requirement by electing the following courses, each of which carries 1/3 unit of credit. For details, consult the Center staff.

200  Introduction to Supervision
202  Fiscal Management
204  Management Development

Concentration in American Studies (54)

Mr. Strauss, director

The concentration in American studies offers you an interdisciplinary approach to the study of American culture. As a concentrator, you will major in English, history, political science, sociology/anthropology, economics, music, art, philosophy, or religion. In addition, you will sample offerings concerned with the American experience from at least two other departments as well as take the introductory courses in American studies. You will write a Senior Individualized Project which applies disciplinary skills mastered in the course of study.

As a concentrator in American studies, you will normally take the following courses:

A. Interdisciplinary component:
   2. American Studies 700 (Society and the Individual in Modern America).

B. Institutional component:
   Three courses dealing with American institutions from the departments of political science, economics, or sociology and anthropology.

C. History, literature, and the arts—any two of the following four sequences:
   2. English 650 and 960 (American Literature I and II) or English 455 and 550 (20th Century American Literature and Readings in American Literature).
   3. Philosophy 580 (American Philosophy) and Religion 520 (History of Christianity in the U.S.).
   4. Music 460 (Seminar in Folk Music) and Art 550 (20th Century Art).

If you have special interests, you can substitute relevant courses from other departments in consultation with the director.
The concentration in American studies will prepare you for graduate work in American studies or one of the component majors, and will offer useful background if you plan a career in foreign service, law, or secondary school teaching.

If you are interested in American studies, you should consult the director as early in your undergraduate career as possible. The director will assist you in planning a program consistent with your needs and interests.

490 Red, White, and Black: Race Relations in the Americas (also History 490)
Examination of the treatment of blacks, Indians, and immigrants in both the United States and Brazil. Similarities and differences in race relations explained in terms of ideologies and social structures of the two countries.

700 Society and the Individual in Modern America (also History 700 and Sociology 700)
Exploration of the nature of 20th century American values and institutions, particularly as they reflect and shape the theme of individualism. Systematic comparison of the United States with a European society to determine what is uniquely American. Special attention to novels and films which offer critical commentary on modern culture.

Concentration in Public Policy Studies (59)
Mr. Presler and Mr. Stauffer (directors).

The Public Policy Studies (PPS) program enables you to broaden and integrate your work in the social sciences. PPS courses are interdisciplinary, focusing on the economic, political, and sociological dimensions of the creation and implementation of government policies and programs. While not a preprofessional program per se, the PPS program would well serve you if you are considering graduate studies in public policy, administration, law, journalism, community organization, or other areas related to careers in public service.

PPS courses are cross-listed in economics, political science, and sociology. You may count up to two PPS courses toward the minimal requirements for your major in these disciplines, provided that (1) you meet all course and area requirements in your major, and (2) you count no other interdisciplinary course toward the minimum requirements of your major. PPS courses and the PPS concentration are open to students majoring in any discipline at the College, and PPS courses may count as social science distributional credits.

If you decide to earn a concentration in Public Policies Studies, you should register with one of the directors of the program. Completion of the concentration will be indicated on your final transcript.

Requirements for the Concentration in Public Policy Studies
A total of six courses, including PPS 700. At least two courses from PPS 720, 750, and 760; at least two courses from 710, 730, 740, and 770; and either Philosophy 410 or 450.

Comments on Requirements
A. While all concentrators will be encouraged to begin with PPS 700, this will not be a formal prerequisite for other courses.
B. Students are strongly encouraged to take an introductory social science course (Political Science 400, Sociology/Anthropology 64-400, or Economics 400) before enrolling in PPS courses. PPS 720 and 740 have as a formal prerequisite Economics 400.
C. Some statistics (Mathematics 360-365 or Economics 450) are strongly recommended for PPS concentrators.
700 Introduction to Public Policy Analysis
Exploration of the roots and various interpretations of current political crises, focusing on the relationships between private (personal/economic) problems and public (governmental/social movement) responses. Topics include feminism, inflation, health care, and energy.

710 Food, Energy, and Population
Analysis of world population trends and policies in relation to present and future food and energy production.

720 Urban Economics and Policy Analysis
Introduction to urban economics with special attention given to policy making in the urban setting. An overview of the interrelationships among urban poverty, pollution, housing conditions, financial resources of the municipality, and other public services. Prerequisite: Economics 400.

730 Bureaucracy and Freedom: Introduction to Complex Organizations
Analysis of human behavior in complex organizations, the conditions for democracy vs. authoritarianism, cooperation and conflict, "total" institutions, and proposals for deinstitutionalizing society.

740 Public Finance and Fiscal Policy
Theory and economic effects of government spending and taxation are examined in an evaluation of past and probable future success in meeting economic and social goals of a modern economy. Special emphasis on priorities reflected in the federal budget of the United States government. Prerequisite: Economics 400.

750 Society and Public Policy in Western Europe and America

760 National Policy Analysis
An examination of the political, economic, and social considerations which give shape to government policy at the national level in the United States. Special analysis of the values and politics reflected in social welfare programs.

770 Public Administration
Problems and processes of public administration in the modern democratic state. Theories of administrative behavior and problems of democratic control of administrative hierarchies.

Concentration in International Commerce

Mr. Strobel (director), Mr. Barclay (associate director).

The sharp increase in international trade and finance between the United States and its trading partners, plus Kalamazoo College's tradition of Foreign Study and foreign language proficiency has led to the establishment of the concentration in international commerce. Open to you whether or not your major is in economics, completion of the prescribed program will be recorded on your official transcript by the registrar certifying that you have completed the concentration in international commerce in addition to your major.

American manufacturers, financial institutions, and the federal government have increased their planning and staffing in the areas of international trade and commerce. Graduate schools, particularly those offering the MBA, are also expanding their international course and program offerings. Particularly valuable to the employer and graduate school alike should be well-educated graduates with demonstrated abilities in foreign languages, economics, and finance, who in addition have been broadened by foreign travel and the study of foreign politics, history, and sociology. Thus the concentration in international commerce at Kalamazoo College aims to offer you a wider range of options by enhancing the value of your liberal arts degree in today's changing world.
Requirements for the Concentration in International Commerce

The concentration can be earned by your completing five courses in economics, attaining a conversational ability in a foreign language, and completing one social science elective course which emphasizes international study. Additionally, you must participate in the Foreign Study program and complete a Senior Individualized Project (SIP) which is internationally oriented.

A. Course to meet the economics requirement will normally be: Economics 400, 410, 520, 530, and 975.

B. The language requirement would normally be a conversational ability in French, German, or Spanish. Fluency in other foreign languages when appropriately coordinated with your program would, however, qualify. The language chosen should coordinate with your country of Foreign Study.

C. The Foreign Study requirement can be met either during the spring of your sophomore year or the fall and winter quarters of your junior year. The SIP and internationally oriented social science course should also be coordinated with your major country of interest. A large number of social science courses are offered which meet this requirement.

Management Studies Program

Mr. Chen (director).

The Management Studies Program is designed to assist you if you are interested in developing a career in the field of management. Primary emphasis will be placed outside the departments of economics and political science.

To participate in the program you must:

A. Declare interest in the program at the beginning of your sophomore year.

B. Take at least one course in each of the following areas:


2. Analytic/quantitative study—Computer Science 400, Economics 430 or 450, Mathematics 360, 365, 410, or 415, or Philosophy 420.

3. Organizational concepts—Economics 560, PPS 730, PPS 770, or Psychology 780.

4. Social and intellectual foundations of business—History 410 or 415, Political Science 400, Religion 530, or Philosophy 410, 450, or 580.

5. Economics/political science—Political Science 400 or Economics 400, 410, 570, or 590.

C. Do a career-related internship.

D. Do a career-related Senior Individualized Project.

Other activities may be introduced as appropriate.
Physical Education

Distributional Requirements for Physical Education

A non-credit course in physical education each quarter in residence until the requirement of six quarters with passing grades is completed.
Physical Education (81)

Mr. Acker, Mr. Anderson (chair), Mr. Baker, Mr. Kent, Ms. Loveless, Ms. Maurer, Mr. Steffen.

Important to your liberal education at Kalamazoo College is the opportunity to maintain a physically healthy existence as well as a vigorous intellectual one. The College offers you an extensive program in physical education with a range of activities that nourishes both the development of your athletic skills and your enthusiasm for a healthful and active recreational life during and after your College years. Within the program are provisions for instruction for credit, which are designed to maintain or improve your physical fitness and to obtain skills in various activities as well. The program also offers elected preparation in teaching physical education and coaching at the secondary level, competition and recreation in intramural sports, and competition in intercollegiate athletics for those students with a high degree of skill in a particular sport.

Professional Courses

Professional courses in physical education are open to you if you are preparing to teach physical education and/or to coach at the secondary level, or if you are interested in certain courses directly or indirectly related to your major field. A minor is offered.

The Physical Education Coaching Minor

Six units of course work. Required are Physical Education 510 and 520, at least three courses from the techniques of coaching series, and one additional course from the department’s offerings.

The Physical Education Teaching Minor

Six units of course work. Required are Physical Education 500; one unit of Physical Education 275, 520, or Biology 720; and one additional course from the physical education department’s offerings.

275 Physical Education Activities

Three quarters of activity beyond the College requirement, one-third unit per activity upon completion of assigned reading and compilation of a notebook. (Fall, winter, spring, summer.)

Techniques of Coaching*

280, 281 Football and Track
282, 283 Baseball and Basketball
284, 285 Tennis and Wrestling
286, 287 Swimming and Golf
288, 289 Volleyball and Field Hockey

500 Fundamental Motor Patterns

Study of fundamental motor patterns, how they develop, how they are modified, how they form the basis for more complex skills. Motor development as a prerequisite for acquiring basic skills.

510 Care and Treatment of Injuries

Techniques in the prevention and care of athletic injuries. First aid.

520 Theory of Training and Conditioning

Study of the physiological aspects of training and conditioning such as circulatory and respiratory adjustments to exercise. Environmental aspects of training and conditioning including metabolism, nutrition, drugs, strength, and endurance training.

Activity Program

The physical education activity requirement for graduation is six credits. You may meet the requirement by electing and completing six activities selected from activity classes, intercollegiate sports, Foreign Study experience, Land/Sea, and contractual arrangements subject to the following conditions and restrictions.

1. If a complete or partial restriction is indicated on your medical form, a reduced program will be developed by an adviser in the department.
2. In meeting the requirement, you may use two, but not more than two, credits
earned for activity taken on a contractual basis.

3. You are urged to complete the requirement over a period of six quarters.

4. Because proficiency in an activity is desirable, you are permitted to repeat an activity if approval is obtained in advance from the department.

5. One activity credit for physical education may be granted for each six (6) months of military service provided the length of service is at least one year.

6. Information outlining requirements for transfer students is available in the department office or from the registrar.

The physical education requirement may be waived or partially waived if you can demonstrate a high level of physical fitness, skill, and knowledge, and are consistently active in intercollegiate and/or intramural activities. The request must be made before the first term of your senior year.

You participate in physical education, as you do in other activities, at your own risk. The College is not responsible for injuries that occur in physical education classes, intramurals, intercollegiate athletics, and activity taken on a contractual basis.

Activity courses are soccer, basketball, volleyball, field hockey, lacrosse, tennis, golf (fee), gymnastics, fly and bait casting, badminton, fencing, bowling (fee), archery, riding (fee), ballet, dance (modern, jazz, folk), cross country and downhill skiing, bicycling, judo, yoga, and a wide range of swimming courses including scuba and skin diving.

In some activities, you must furnish your own equipment, and several courses require a small fee.

The following intercollegiate sports are available for men: football, baseball, cross-country, basketball, wrestling, golf, tennis, soccer, and swimming. Available for women are basketball, field hockey, tennis, volleyball, swimming, and soccer.

Notes on physical education requirements:

A. Foreign Study experience—In some circumstances, you may receive physical education credit for activities on Foreign Study, especially those indigenous to the Foreign Study country. The director of Foreign Study will validate your experience and make credit recommendations to the department.

B. Miscellaneous activity—These are activities directed by members of the physical education staff, but taught by instructors who are not staff members.

C. Contractual arrangement—These are activities not offered by the department, which are taken on an individual or group basis by permission of the department. To receive credit, you must (1) obtain advance approval of the physical education department, (2) sign a waiver releasing Kalamazoo College from any liability resulting from injury, (3) complete a contractual arrangement form obtained from the chairman of the department, and (4) fulfill the agreement of the contract.
Appendix

Board of Trustees
Faculty
Administrative Officers
Index
Board of Trustees

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George H. Acker (1959), Professor of Physical Education, Coach; BS, MS, Northern Illinois University.
Jane E. Ackerman (1980), Instructor in Romance Languages and Literature; BA, University of Missouri-Columbia; MA, University of Kentucky.
Rolla L. Anderson (1953), Professor of Physical Education, Director of Athletics; BS, Western Michigan University; MA, University of Michigan.
Marigene Arnold (1973), Associate Professor of Sociology and Anthropology; BA, Florida Presbyterian College; PhD, University of Florida.
Edward D. Baker (1967), Associate Professor of Physical Education, Coach; BS, Denison University; MA, Ohio State University.
David E. Barclay (1974), Associate Professor of History; BA, MA, University of Florida; PhD, Stanford University.
Warren L. Board (1973), Professor of Social Sciences; Provost; BA, University of Idaho; MA, University of Denver; PhD, Syracuse University.
Herbert Bogart (1965), Professor of English; BA, MA, PhD, New York University.
Thomas P. Bonfiglio (1982), Instructor in German Language and Literature; BA, University of Rochester; MA, University of Toronto.
Margo G. Bosker (1962), Assistant Professor of German Language and Literature; BA, Hope College; MA, Indiana University; studied at the University of Munich.
Stillman Bradfield (1965), Professor of Sociology and Anthropology; BA, MA, PhD, Cornell University.
Thomas C. Breznau (1979), Assistant Professor of Economics and Business Administration; BS, MBA, University of Detroit.
Joseph L. Brockington (1979), Assistant Professor of German Language and Literature; BA, MA, PhD, Michigan State University.
Patricia L. Brooks (1979), Instructor in Romance Languages and Literature; BA, Indiana University; MA, Middlebury College.
Jean M. Calloway (1960), Olney Professor of Mathematics; BA, Millsaps College; MA, PhD, University of Pennsylvania.
Richard N. Carpenter (1979), Associate Professor of Computer Science; BA, Albion College.
Wen-Chao Chen (1950), L. Lee Stryker Professor of Political Science, Fellow of the College, Vice-President for Community Services; BA, Grinnell College; MA, PhD, St. Louis University; MALS, University of Chicago.
Henry D. Cohen (1974), Associate Professor of Romance Languages and Literature; BA, Williams College; MA, Harvard University; PhD, University of California, Berkeley.
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Rhoda E. R. Craig (1980), Assistant Professor of Chemistry; BS, University of Alberta; PhD, Cornell University.

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Charles E. Deutch (1978), Assistant Professor of Biology; BA, Reed College; PhD, University of California, Riverside.

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Terry S. Dugan (1977), Assistant Professor of Biology; BS, Michigan State University; MS, PhD, University of Michigan.

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Robert W. Grossman (1975), Associate Professor of Psychology; BA, MA, Michigan State University.

Russell A. Hammar (1961), Professor of Music; BA, Hamline University; MA, EdD, Columbia University.

Harold J. Harris (1954), Professor of English; BA, MA, Rutgers University; PhD, Ohio State University.

Conrad Hilberry (1962), Professor of English; BA, Oberlin College; PhD, University of Wisconsin.

Paul E. Himelwright (1982), Assistant Professor of Mathematics; BS, Millersville State College; MEd, Shippensburg State College.

Berne L. Jacobs (1963), Associate Professor of Psychology; BA, MA, PhD, University of Michigan.

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Marilyn J. La Plante (1979), Associate Professor of Physical Education; Associate Provost; BA, University of Iowa; MA, University of North Carolina; PhD, University of Wisconsin.

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Lowry Marshall (1981), Assistant Professor of Theatre and Communication Arts; BA, MA, University of South Carolina; MFA, Asolo Conservatory.

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Edward Moritz, Jr. (1955), Professor of History; BA, Miami University; MA, University of Cincinnati; PhD, University of Wisconsin.

Carolyn R. Newton (1978), Assistant Professor of Biology; BS, Colorado State University; PhD, State University of New York at Buffalo.

George M. Nielsen (1963), Professor of Mathematics; BA, Ohio Wesleyan University; MA, PhD, University of Wisconsin.

Paul D. Olexia (1968), Associate Professor of Biology; BA, Wabash College; MA, State University of New York at Buffalo; PhD, University of Tennessee.

Sally L. Olexia (1974), Director of Health Sciences Program; BS, Kent State University; MA, PhD, State University of New York at Buffalo.

Bernard S. Palchick (1972), Associate Professor of Art; BA, Purdue University; MFA, Rhode Island School of Design.

Romeo E. Phillips (1968), Associate Professor of Education; BM, MM, Roosevelt University; MA, Eastern Michigan University; PhD, Wayne State University.

Richard D. Piccard (1978), Assistant Professor of Physics; BS, California Institute of Technology; MS, University of Pennsylvania; MA, PhD, Princeton University.

Franklin A. Presler (1976), Assistant Professor of Political Science; BA, Oberlin College; MA, PhD, University of Chicago.

George N. Rainsford (1972), Professor of History, President; BA, University of Colorado; LLB, Yale University; MA, University of Denver; PhD, Stanford University.

Stanley L. Rnjak (1965), Professor of Mathematics; AB, PhD, University of California at Berkeley.

Harry B. Ray (1951), Professor of Music; BM, BA, Yale University; MM, University of Michigan; PhD, Indiana University.

Kathleen W. Reish (1972), Associate Professor of Romance Languages and Literature; BA, Mundelein College; MA, PhD, University of Wisconsin.

Wade L. Robison (1974), Associate Professor of Philosophy; BA, University of Maryland; PhD, University of Wisconsin.

Howard H. Roerecke (1965), Associate Professor of English; BA, Hofstra College; MA, Columbia University; PhD, Pennsylvania State University.

Barry F. Ross (1972), Associate Professor of Music; BS, Hartt College of Music, MMA, DMA, Yale University.

David S. Scarrow (1961), Professor of Philosophy; BA, Duke University; MA, PhD, Harvard University.

Waldemar Schmeichel (1974), Associate Professor of Religion; BA, Judson College; BD, MA, PhD, University of Chicago.

David L. Small (1978), Assistant Professor of Art; BFA, Wayne State University; MFA, Yale University.

Lawrence Rackley Smith (1963), Professor of Music; BM, MA, Northwestern University; PhD, Eastman School of Music.

T. Jefferson Smith (1967), Professor of Mathematics; BA, Emory University; MS, PhD, University of Wisconsin.

Thomas J. Smith (1978), Assistant Professor of Chemistry; BS, Illinois Benedictine College; PhD, Purdue University.

John B. Spencer (1963), Professor of Religion; BA, Franklin College; BD, Colgate Rochester; MA, PhD, University of Chicago.
Lester J. Start (1958), Professor of Philosophy; BA, Hamilton College; MA, Haverford College; BD, Colgate Rochester; PhD, Syracuse University.

Robert Stauffer (1973), Associate Professor of Sociology and Anthropology; BA, University of Illinois; MA, PhD, University of Chicago.

Richard T. Stavig (1955), Professor of English; BA, Augustana College; MA, PhD, Princeton University.

Raymond B. Steffen (1955), Professor of Physical Education, Coach; BS, Michigan State University; MA, Western Michigan University.

David Strauss (1974), Professor of History; BA, Amherst College; MA, PhD, Columbia University.

Frederick R. Strobel (1974), Associate Professor of Economics and Business Administration, Monroe Chair of Money and Banking; BS, MBA, Northeastern University; MA, PhD, Clark University.

Lonnie E. Supnick (1972), Professor of Psychology; BA, City College of New York; MA, PhD, Clark University.

Philip S. Thomas (1965), Professor of Economics and Business Administration; BA, Oberlin College; MA, PhD, University of Michigan.

J. Mark Thompson (1961), Professor of Religion; BA, Harvard College; BD, Yale Divinity School; MA, Divinity School, University of Chicago; PhD, Vanderbilt University.

Juliet M. Vogel (1980), Associate Professor of Psychology; BA, Smith College; PhD, Harvard University.

John B. Wickstrom (1960), Associate Professor of History; BA, Michigan State University; MA, PhD, Yale University.

Laurence E. Wilson (1963), Professor of Chemistry; BA, Western Washington College; PhD, University of Washington.

David M. Winch (1967), Associate Professor of Physics; BS, MS, John Carroll University; PhD, Clarkson College of Technology.

Marcia J. Wood (1965), Professor of Art; BA, Kalamazoo College; MFA, Cranbrook Academy of Art.

Wayne M. Wright (1962), Professor of Physics; BA, Bowdoin College; MS, PhD, Harvard University.

Jet Yee (1981), Instructor in Economics and Business Administration; BA, University of Chicago; MA, Bowling Green State University.

Lecturers

Evelyn C. Angerman (1964), Lecturer in Music; BME, Northwestern University.

Katheryn E. Rajnak (1976), Adjunct Lecturer in Physics, BA, Kalamazoo College; PhD, University of California at Berkeley.

William J. Wechter (1974), Adjunct Lecturer in Biological Chemistry; AB, MA, University of Illinois; PhD, University of California at Los Angeles.

Evelyn C. Angerman (1964), Lecturer in Music; BME, Northwestern University.
Administrative Officers and Staff

George N. Rainsford (1972), President and Professor of History; BA, University of Colorado; LLB, Yale University; MA, University of Denver; PhD, Stanford University.

Alfred A. Blum (1979), Vice-President for Institutional Development; BA, Oxford College/Emory University.

Warren L. Board (1973), Provost and Professor of Social Science; BA, University of Idaho; MA, University of Denver; PhD, Syracuse University.

Wen Chao Chen (1950), Vice-President for Community Services, Director of the L. Lee Stryker Center for Management Studies and Educational Services; BA, Grinnell; MA, St. Louis University; MALS, University of Chicago; PhD, St. Louis University.

Roger J. Fecher (1977), Senior Vice-President for Business and Finance; AB, University of Dayton; MBA, University of Chicago; EdD, Indiana University.

Robert N. Maust (1980), Vice-President for Student Life; BA, Michigan State University; JD, Wayne State University.

Raymond H. Comeau (1981), Director of Alumni Relations; BA, Kalamazoo College; MAT, PhD, University of Chicago.

Erin Cox (1982), Head Resident and Chapel Coordinator; BA, University of Redlands.

Benjamin Darnell (1974), Physical Plant Manager.

Joyce DeHaan (1970), College Physician; BS, Calvin College; MD, University of Michigan.

Robert D. Dewey (1967), Associate Professor of Religion, Dean of the Chapel; BA, Kalamazoo College; MDiv, Yale Divinity School.

Stephanie Doherty (1981), Director of Laboratories; BS, Michigan State University.

H. Thomas Francis (1975), Associate Director for Career Development; BA, Kalamazoo College.

Candance Fifer (1982), Manager of Phone/Mail II Program.

Joe K. Fugate (1961), Director of Foreign Study and Professor of German; BA, Southern Illinois University; MA, PhD, Princeton University.

Ann Haight (1976), Acquisitions Supervisor; BA, Kalamazoo College.

Caroline Ham (1978), Associate Director of the L. Lee Stryker Center; BA, Kalamazoo College.

Robert Ham (1982), Admissions Counselor; BA, Kalamazoo College.

Martha Hilboldt (1981), Associate Director of the Nontraditional Student Program; BS, Purdue University.

Joan Hinz (1971), Reference Librarian; BA, Kalamazoo College; MLS, Western Michigan University.

Barbara Hoover (1982), Assistant to the Director of Financial Aid; BA, Western Michigan University.

Margaret M. Jean (1980), Assistant Director of Development and Director of Annual Giving; BS, Western Michigan University.

Hildred King (1970), Director of Counseling; BA, University of Michigan; MA, Western Michigan University.

James W. Kridler (1978), Dean of Students; BA, MDiv, Earlham.

W Haydn Ambrose (1967), Associate Director of Development, Director of Church Relations, Director of Estate Planning; BA, Eastern Baptist College; BD, Lancaster Seminary; MA, Western Michigan University; DD (hon.), American Baptist Seminary of the West.

Andrew Atherton (1982), Instrument Technician; BA, Kalamazoo College.

Excell Bailey (1962), Grounds and Service Supervisor.

David M. Borus (1981), Director of Admissions; BA, Trinity College; MA, DePaul University; PhD, University of Michigan.

Susan K. Button (1982), Admissions Counselor; BA, Alma College.


Ruth Collins (1974), Registrar; BA, Coe College; MS, University of Wisconsin.

Raymond H. Comeau (1981), Director of Alumni Relations; BA, Kalamazoo College; MAT, PhD, University of Chicago.

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James W. Kridler (1978), Dean of Students; BA, MDiv, Earlham.
Donna Lambert (1981), Assistant to the Registrar; BA, Kalamazoo College; MA, Western Michigan University.

Marilyn La Plante (1979), Associate Provost and Associate Professor of Physical Education; BA, University of Iowa; MA, University of North Carolina; PhD, University of Wisconsin.

Jack Lawrence (1969), Manager of Rental Properties.

Rosalie Lewis (1972), Bookstore Manager.

Elizabeth Maxon (1977), Director of the Nontraditional Student Program; AB, Vassar.

William McClintick, Jr. (1982), Assistant Director of Admissions; BA, Hartwick College.

Lynn Mendelsohn (1982), Head Resident and Union Coordinator; BA, Colorado College.

Ellen Mills (1981), Junior Accountant; BA, Earlham College.

Evie Mills (1982), Assistant to the Director of Alumni Relations; BA, Western Michigan University.

Patricia Pangburn (1981), Assistant Director of Public Relations for Media Relations; BS, University of Pennsylvania; MA, Western Michigan University.

Eleanor Pinkham (1964), College Librarian; BA, Kalamazoo College; MLS, Western Michigan University.

Thomas M. Ponto (1977), Controller; BBA, St. Norbert College; MBA, Marquette University.

Brooke Rigney (1981), Head Resident and Co-Coordinator of Student Activities; BA, Kalamazoo College.

Berdena Rust (1949), General Personnel Assistant; BA, Kalamazoo College.

Linda L. Seitz (1979), Director of Management Information Systems/ Director of Educational Computing; BS, Eastern Michigan University.

Raymond L. Seitz (1980), Director of Technical Computer Services; BS, Eastern Michigan University.

Joellen S. Sirotti (1980), Director of Financial Aid; BS, Purdue University; MBA, Western Michigan University.

Paul Smithson (1971), Associate Director of the Library; BA, Kalamazoo College; MLS, Western Michigan University.

Bobbie J. Strand (1977), Director of Records and Research; BS, Marion College.

Kathryn N. Stratton (1962), Secretary to the President; AB, Western Michigan University.

Kimberly Sullivan (1982), Assistant to the Director of Management Information Systems; BA, Kalamazoo College.

Ellen Summerfield (1981), Assistant Director of Foreign Study; BA, University of Pennsylvania; MA, PhD, University of Connecticut.

A. Christina Thomas (1978), Assistant Controller; BA, University of Rochester.

Babette Trader (1963), Dean of Academic Advising; BA, University of Maryland; MS, Indiana University.

Shirley Ulrich (1979), Housekeeping Supervisor.

Harold VanderSalm (1970), Assistant Director of Admissions; BA, Kalamazoo College.

Barbara Vogelsang (1981), Assistant to the Dean of Students; BS, Central Michigan University.

Michael A. Ware (1981), Head Resident and Co-Coordinator of Student Activities; BA, Albion College.

Louise Westcott (1981), Assistant Director of Financial Aid; BA, Albion College; MFA, Miami University.

Craig Wesley (1981), Assistant Director of Admissions; BA, Alma College; MS, Michigan State University.

Kathleen Williams (1979), Head Resident and Director of Housing; BA, Albion College.

Ray Wilson (1978), Assistant Director of Public Relations for Publications; BA, Western Michigan University.

Myrtle Zietlow (1972), Bibliographer; BS, University of Illinois; MLS, Western Michigan University.
<table>
<thead>
<tr>
<th>Subject</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>L. Lee Stryker Center</td>
<td>120</td>
</tr>
<tr>
<td>Loans</td>
<td>20</td>
</tr>
<tr>
<td>Major, field of</td>
<td>54</td>
</tr>
<tr>
<td>MANAGEMENT STUDIES PROGRAM</td>
<td>123</td>
</tr>
<tr>
<td>Maps</td>
<td></td>
</tr>
<tr>
<td>campus</td>
<td>2</td>
</tr>
<tr>
<td>foreign study program</td>
<td>46</td>
</tr>
<tr>
<td>Married students</td>
<td>38</td>
</tr>
<tr>
<td>MATHEMATICS, courses in</td>
<td>82</td>
</tr>
<tr>
<td>Matriculation fee</td>
<td>17</td>
</tr>
<tr>
<td>Medicine</td>
<td>81</td>
</tr>
<tr>
<td>(preprofessional curriculum)</td>
<td></td>
</tr>
<tr>
<td>Michigan Higher Education</td>
<td>19</td>
</tr>
<tr>
<td>Assistance Authority</td>
<td></td>
</tr>
<tr>
<td>Michigan Intercollegiate</td>
<td>36</td>
</tr>
<tr>
<td>Athletic Association</td>
<td></td>
</tr>
<tr>
<td>Michigan scholarships</td>
<td>19</td>
</tr>
<tr>
<td>Michigan Secondary Provisional Certificate</td>
<td>105</td>
</tr>
<tr>
<td>Motorized vehicles</td>
<td>39</td>
</tr>
<tr>
<td>Music Center</td>
<td>35</td>
</tr>
<tr>
<td>MUSIC, courses in</td>
<td>89</td>
</tr>
<tr>
<td>fees</td>
<td>18</td>
</tr>
<tr>
<td>festivals</td>
<td>35</td>
</tr>
<tr>
<td>organizations</td>
<td>35</td>
</tr>
<tr>
<td>Natural Sciences and</td>
<td></td>
</tr>
<tr>
<td>Mathematics requirement</td>
<td>54</td>
</tr>
<tr>
<td>NEGLECTED LANGUAGES</td>
<td>69</td>
</tr>
<tr>
<td>North Central Association</td>
<td>11</td>
</tr>
<tr>
<td>Nursing</td>
<td>81</td>
</tr>
<tr>
<td>(preprofessional curriculum)</td>
<td></td>
</tr>
<tr>
<td>Optometry</td>
<td>81</td>
</tr>
<tr>
<td>(preprofessional curriculum)</td>
<td></td>
</tr>
<tr>
<td>Organizations, student</td>
<td>34</td>
</tr>
<tr>
<td>Osteopathic medicine</td>
<td>81</td>
</tr>
<tr>
<td>(preprofessional curriculum)</td>
<td></td>
</tr>
<tr>
<td>Out-of-state scholarships</td>
<td>20</td>
</tr>
<tr>
<td>Overloads</td>
<td>52</td>
</tr>
<tr>
<td>Payment of bills</td>
<td>17</td>
</tr>
<tr>
<td>Peace Corps credits</td>
<td>53</td>
</tr>
<tr>
<td>Personnel</td>
<td>136</td>
</tr>
<tr>
<td>Pets</td>
<td>39</td>
</tr>
<tr>
<td>Pharmacy</td>
<td>81</td>
</tr>
<tr>
<td>(preprofessional curriculum)</td>
<td></td>
</tr>
<tr>
<td>Phi Beta Kappa</td>
<td>59</td>
</tr>
<tr>
<td>PHILOSOPHY, courses in</td>
<td>94</td>
</tr>
<tr>
<td>PHYSICAL EDUCATION</td>
<td>125</td>
</tr>
<tr>
<td>requirements</td>
<td>54</td>
</tr>
<tr>
<td>Physical plant</td>
<td>9</td>
</tr>
<tr>
<td>PHYSICS, courses in</td>
<td>83</td>
</tr>
<tr>
<td>Pi Kappa Delta</td>
<td>59</td>
</tr>
<tr>
<td>Placement</td>
<td>56</td>
</tr>
<tr>
<td>Podiatric medicine</td>
<td>81</td>
</tr>
<tr>
<td>(preprofessional curriculum)</td>
<td></td>
</tr>
<tr>
<td>Policies</td>
<td></td>
</tr>
<tr>
<td>general</td>
<td>38</td>
</tr>
<tr>
<td>honor system</td>
<td>58</td>
</tr>
<tr>
<td>POLITICAL SCIENCE, courses in</td>
<td>111</td>
</tr>
<tr>
<td>Postgraduate awards</td>
<td>63</td>
</tr>
<tr>
<td>President's Society</td>
<td>11</td>
</tr>
<tr>
<td>Prizes and awards</td>
<td>59</td>
</tr>
<tr>
<td>Probation, academic</td>
<td>53</td>
</tr>
<tr>
<td>Proficiency in Writing</td>
<td>54, 65</td>
</tr>
<tr>
<td>Projects for SIP</td>
<td>49</td>
</tr>
<tr>
<td>PSYCHOLOGY, courses in</td>
<td>114</td>
</tr>
<tr>
<td>PUBLIC POLICY STUDIES</td>
<td>121</td>
</tr>
<tr>
<td>Quarter patterns</td>
<td>42</td>
</tr>
<tr>
<td>Readmission</td>
<td>16</td>
</tr>
<tr>
<td>Refunds</td>
<td>18</td>
</tr>
<tr>
<td>Registration</td>
<td>52</td>
</tr>
<tr>
<td>RELIGION, courses in</td>
<td>96</td>
</tr>
<tr>
<td>Religious life</td>
<td>37</td>
</tr>
<tr>
<td>Requirements</td>
<td></td>
</tr>
<tr>
<td>admission</td>
<td>14</td>
</tr>
<tr>
<td>degree</td>
<td>54</td>
</tr>
<tr>
<td>distributional</td>
<td>54</td>
</tr>
<tr>
<td>physical education</td>
<td>54</td>
</tr>
<tr>
<td>Residence halls</td>
<td>32</td>
</tr>
<tr>
<td>Residence hall councils</td>
<td>34</td>
</tr>
<tr>
<td>Resident fee</td>
<td>17</td>
</tr>
<tr>
<td>ROMANCE LANGUAGES, courses in</td>
<td>70</td>
</tr>
<tr>
<td>Room</td>
<td></td>
</tr>
<tr>
<td>application for</td>
<td>32</td>
</tr>
<tr>
<td>deposit</td>
<td>32</td>
</tr>
<tr>
<td>Rules</td>
<td>38</td>
</tr>
<tr>
<td>SAT</td>
<td>14</td>
</tr>
<tr>
<td>Scholarships</td>
<td></td>
</tr>
<tr>
<td>annual</td>
<td>28</td>
</tr>
<tr>
<td>endowed</td>
<td>22</td>
</tr>
<tr>
<td>general information</td>
<td>19</td>
</tr>
<tr>
<td>Scholastic Aptitude Tests</td>
<td>14</td>
</tr>
<tr>
<td>Secondary school certification</td>
<td>105</td>
</tr>
<tr>
<td>Secondary school program</td>
<td>14</td>
</tr>
<tr>
<td>Senior Departmental Examination</td>
<td>55</td>
</tr>
<tr>
<td>Senior Individualized Project</td>
<td>49</td>
</tr>
<tr>
<td>tuition</td>
<td>17</td>
</tr>
<tr>
<td>Senior Awards Dinner</td>
<td>59</td>
</tr>
<tr>
<td>SIP</td>
<td>49</td>
</tr>
<tr>
<td>Social policies</td>
<td>38</td>
</tr>
<tr>
<td>Social Sciences requirement</td>
<td>54</td>
</tr>
<tr>
<td>SOCIOLOGY AND ANTHROPOLOGY,</td>
<td>117</td>
</tr>
<tr>
<td>courses in</td>
<td></td>
</tr>
<tr>
<td>SPANISH, courses in</td>
<td>71</td>
</tr>
<tr>
<td>Special students</td>
<td>16</td>
</tr>
<tr>
<td>SPEECH, courses in</td>
<td>98</td>
</tr>
<tr>
<td>Standing, academic</td>
<td>53</td>
</tr>
<tr>
<td>Stryker, L. Lee, Center</td>
<td>120</td>
</tr>
<tr>
<td>Student activities</td>
<td>34</td>
</tr>
<tr>
<td>Student Commission</td>
<td>34</td>
</tr>
<tr>
<td>Student Court</td>
<td>34</td>
</tr>
<tr>
<td>Student employment</td>
<td>20</td>
</tr>
<tr>
<td>Student government</td>
<td>34</td>
</tr>
<tr>
<td>Student life</td>
<td>37</td>
</tr>
<tr>
<td>Student loans</td>
<td>20</td>
</tr>
<tr>
<td>Topic</td>
<td>Page</td>
</tr>
<tr>
<td>------------------------------------------------------------</td>
<td>------</td>
</tr>
<tr>
<td>Student rights</td>
<td>34, 38</td>
</tr>
<tr>
<td>Student rights and privacy law</td>
<td>38</td>
</tr>
<tr>
<td>Student Volunteer Organization</td>
<td>34</td>
</tr>
<tr>
<td>Study at other schools</td>
<td>53</td>
</tr>
<tr>
<td>Table of Contents</td>
<td>5</td>
</tr>
<tr>
<td>Teacher's certificate</td>
<td>105</td>
</tr>
<tr>
<td>Tests</td>
<td></td>
</tr>
<tr>
<td>college entrance</td>
<td>14</td>
</tr>
<tr>
<td>senior departmental</td>
<td>55</td>
</tr>
<tr>
<td>THEATRE AND</td>
<td></td>
</tr>
<tr>
<td>COMMUNICATION ARTS, courses in</td>
<td>98</td>
</tr>
<tr>
<td>Theatrical activities</td>
<td>35</td>
</tr>
<tr>
<td>awards</td>
<td>35</td>
</tr>
<tr>
<td>Thesis for SIP</td>
<td>49</td>
</tr>
<tr>
<td>Title IX, grievance procedure</td>
<td>34</td>
</tr>
<tr>
<td>Transcripts</td>
<td>53</td>
</tr>
<tr>
<td>Transfer credit</td>
<td>53</td>
</tr>
<tr>
<td>Transfers</td>
<td>15</td>
</tr>
<tr>
<td>residence requirements</td>
<td>15</td>
</tr>
<tr>
<td>Trustees, Board of</td>
<td>130</td>
</tr>
<tr>
<td>Tuition</td>
<td>17</td>
</tr>
<tr>
<td>Underloads</td>
<td>52</td>
</tr>
<tr>
<td>Units</td>
<td></td>
</tr>
<tr>
<td>elected per quarter</td>
<td>52</td>
</tr>
<tr>
<td>maximum attempted</td>
<td>54</td>
</tr>
<tr>
<td>required for graduation</td>
<td>54</td>
</tr>
<tr>
<td>Vacations</td>
<td>3</td>
</tr>
<tr>
<td>Valuables</td>
<td>39</td>
</tr>
<tr>
<td>Visit information</td>
<td>14</td>
</tr>
<tr>
<td>Vocational guidance</td>
<td>56</td>
</tr>
<tr>
<td>Vocations, preparation for</td>
<td>56</td>
</tr>
<tr>
<td>Volunteer Organization</td>
<td>34</td>
</tr>
<tr>
<td>Withdrawal from courses</td>
<td>52</td>
</tr>
<tr>
<td>Women's Council</td>
<td>11</td>
</tr>
<tr>
<td>Women's Interest Group</td>
<td>34</td>
</tr>
<tr>
<td>Women's Studies</td>
<td>56, 99</td>
</tr>
<tr>
<td>Work Study Assistance</td>
<td>20</td>
</tr>
</tbody>
</table>
For Admissions Information

If you desire additional information about the College, please direct your inquiries to the Director of Admissions, Kalamazoo College, Kalamazoo, Michigan 49007, or call toll free 800-253-3602 (in Michigan 800-632-5757).

Prospective students are invited to visit the College, and advance appointments are advisable. The Admissions Office, located in Mandelle Hall, encourages visits between 9:00 a.m. and 5:00 p.m.