

**THE UNIVERSITY OF WISCONSIN
CENTER SYSTEM CATALOG 1970-71**

Baraboo-Sauk County Campus
Marathon County Campus
Marshfield-Wood County Campus
Rock County Campus
Sheboygan County Campus
Washington County Campus
Waukesha County Campus

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MESSAGE FROM THE CHANCELLOR

The University of Wisconsin is proud of its long tradition of meeting the higher educational needs of this state. For more than 100 years the University has experimented and expanded in response to an ever increasing demand for more and better post-high school educational opportunities. In the process, it has advanced from a humble land grant beginning to its present position as one of the nation's finest universities.

One mark of a great institution is its continuing ability to adapt to the differing needs of those it serves, and in this way, as in so many others, the UW has demonstrated its greatness. Today, when the need for a comprehensive and flexible educational program is so vital, the UW stands ready to provide it. The University is now comprised of 16 different campuses, each with its own character and its own role to play in the process of higher education.

The University of Wisconsin Center System is one part of this complex. On seven campuses throughout the state, the Center System offers the kind of liberal education the UW is justly famed for — in a small college setting. Freshman-sophomore campuses at Baraboo, Janesville, Marshfield, Sheboygan, Waukesha, Wausau and West Bend have a complete liberal arts and preprofessional curriculum as well as adult and continuing education classes. Credits earned transfer not only to all other UW campuses, but to colleges and universities throughout the nation. All the campuses are modern and well-equipped. They all have highly qualified faculties and capable administrative and staff personnel. A wide range of social, cultural and athletic activities contributes to the effort of bringing a complete and rewarding educational program within the reach of all.

This is The University of Wisconsin Center System — one part of a great university, fulfilling an important part of a great need.

A handwritten signature in black ink, reading "L. H. Adolfson". The signature is written in a cursive, flowing style with a prominent initial "L" and a long, sweeping underline.

L. H. ADOLFSON





THE UNIVERSITY OF WISCONSIN CENTER SYSTEM

This section is an introduction to the Center System—its campuses, development, and role within The University of Wisconsin. The relationship of the Center System and public higher education in Wisconsin is also explained.

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The seven freshman-sophomore campuses which comprise The University of Wisconsin Center System are situated throughout the state. Located at Baraboo, Janesville, Marshfield, Sheboygan, Waukesha, Wausau and West Bend, the campuses are built and maintained by the local communities and staffed and equipped by The University of Wisconsin. Through this unique partnership, the advantages of higher education are brought closer to all the citizens of the state.

The two-year campuses are in every way an integral part of The University of Wisconsin. Each offers a complete program of freshman-sophomore studies and a variety of adult education classes. All credits earned are UW credits, and will transfer to colleges and universities throughout the country. The courses offered are comparable to those found on any UW campus, and students and faculty members must meet all-University standards and requirements.

At the same time, the campuses are able to apply the UW's traditionally high standard of quality to a small college setting. Small classes allow for extensive student participation and discussion, and students are able to work closely with faculty members. The size of the campuses makes inter-disciplinary cooperation natural for both students and faculty.

In this kind of atmosphere, a spirit of innovation has grown, and both inside and outside the classroom, faculty and students experiment with new and different approaches to educational programs. Electronic teaching equipment, seminars, team teaching, and fieldwork are only a few of the innovative practices utilized by the Center System campuses to complement the traditional classroom approach.

This same spirit carries over outside the classroom. Students have numerous opportunities to pursue special interests, and a wide range of clubs and organizations provide informal learning experience. Concerts, lectures, art shows, and numerous other cultural and educational offerings also are made available to students. To round out the activities, a variety of intramural athletic programs, as well as league competition in the Wisconsin Collegiate Conference, is offered.

Along with these benefits, students find that the transition from high school to college is eased at Center System campuses. Students have the chance to adjust to the greater demands of college work, but in a familiar setting. In addition, those students who are able to live at home

have the advantage of lower costs of room and board.

The convenient location of a Center System campus is an advantage to the entire community for each campus plays an important role as a resource center for its surrounding area. Special classes and cultural programs often attract local residents. Frequently, faculty research is directed toward the community, providing a practical assist in problem solving.

Interaction between campus and community provides a stimulating and rewarding experience for both. In many ways, these campuses are a large step towards the fulfillment of The Wisconsin Idea, a philosophy of the University for more than 100 years.

The Wisconsin Idea simply expresses the University's commitment to make the boundaries of the campus extend to the boundaries of the state, bringing a relevant education within the reach of all. Initially, this took the form of correspondence courses, but when a coordinated program of freshman-sophomore courses was offered in Milwaukee in 1923, the Center System was born.

Since that time, the number of campuses has fluctuated with the varying needs of the state. The two-year campuses were more or less temporary until 1958, when the legislature designated eight permanent campuses and passed legislation that made the present community-university co-operation possible. The number of campuses has grown steadily since that time. In 1969, six campuses were separated from the Center System to form the bases for the new four-year degree-granting campuses of Green Bay and Parkside. The Baraboo and West Bend two-year campuses also were opened in 1969, to make the Center System's present total of seven campuses.

Operating under Chancellor L. H. Adolfson, each campus has its own dean and administrative staff. Central administrative offices located in Madison coordinate system-wide activities and policies and provide additional specialized services. The chancellor is directly responsible to the president of the University and then to the UW Board of Regents.

As the following sketches will illustrate, each campus has its own character and special features, but all have a common heritage and a common goal: providing a convenient answer to the educational needs of the state.

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BARABOO-SAUK COUNTY CAMPUS

The Baraboo-Sauk County Campus, located on a 64-acre site overlooking the beautiful Baraboo bluffs, is one of two new Center System campuses opened in 1968. Boasting some of the most modern electronic teaching equipment in the state, the Baraboo campus serves as an important center for innovation in teaching and administration.

Three campus buildings house a wide variety of instructional facilities to enhance the wide-ranging curriculum. In the classroom-administration building, a large lecture hall, modern laboratories, and a darkroom complement the regular classrooms. The student center includes the lounge, bookstore, art galleries, and a 272-seat theater. In the learning resources center, a handsomely equipped library and special electronic teaching materials such as closed circuit television, a student response system and a wide selection of portable equipment insure the widest possible opportunity for student advancement.

A varied program of out-of-class activities completes the campus life. An outstanding fine arts program brings performing artists from throughout the country to the Baraboo campus, while student government programs, a student newspaper, a dramatic group and other special interest organizations provide outlets for student creativity.



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MARATHON COUNTY CAMPUS

Established in 1947, the Marathon County Campus in Wausau is the oldest of the Center System campuses. Its classroom-office building constructed by the county in 1960 marked the first such structure in the state; in 1968, a major expansion program added a new science hall, an office-student union wing, and a fieldhouse with Olympic-size swimming pool to the campus facilities. An old brewery, converted into an art studio, and a coed dormitory complete the Wausau complex.

Courses as diverse as astronomy and limnology are included among the offerings of 33 academic departments. A number of courses are offered in evening classes specifically aimed at adult students. The Wausau campus also houses the Superior Students Guidance Laboratory which provides higher educational resources for outstanding high school students.

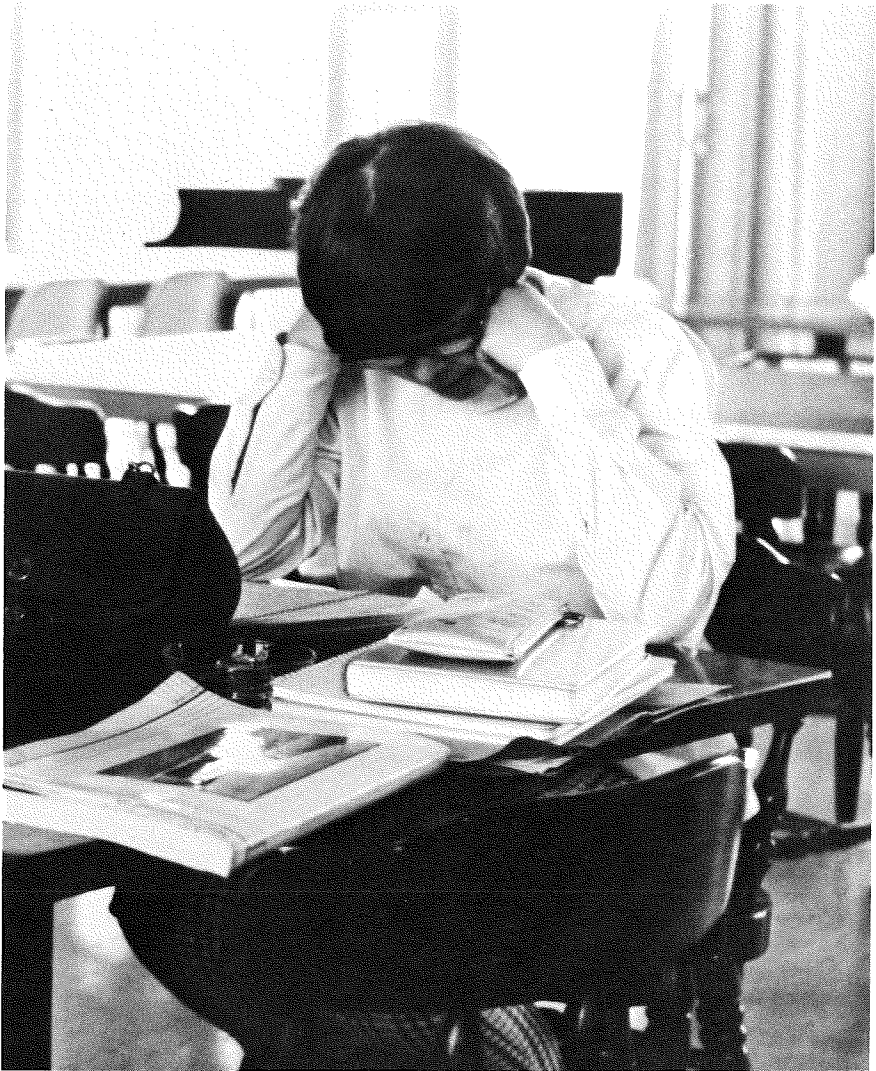
Students at the Marathon County Campus also enjoy extensive out-of-classroom activities. Participation in student government, publications, drama and music groups, and in the athletic program which includes six intercollegiate and 11 intramural sports, is encouraged. Special programs in student development and tutoring, community service, and aid for disadvantaged students also are being developed.





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MARSHFIELD-WOOD COUNTY CAMPUS

For students in the Marshfield area, the Marshfield-Wood County Campus provides an excellent opportunity to begin University of Wisconsin study. The campus presently consists of a three building complex with a major expansion program including a fine arts center, a learning resources center and physical education facilities now underway.

In addition to the regular liberal arts and preprofessional programs, the Marshfield campus also offers special study in agriculture and nursing. The four basic freshman-sophomore courses required for a major in the College of Agricultural and Life Sciences are offered at the Marshfield campus. In the nursing program, which is offered in conjunction with Marshfield's St. Joseph Hospital, the campus offers courses to supplement the first year of training. Additional interest fields are served by the wide variety of programs offered by the campus in cooperation with University Extension.

Reflecting the close ties of each Center System campus and its community, Marshfield students and faculty participate in a number of special programs. Among these are the Campus-Community Players and the Central Symphony Orchestra, both of which spotlight campus and community talent in annual performances.



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ROCK COUNTY CAMPUS

For many Janesville area students, The University of Wisconsin is located just southwest of the city—at the Center System's Rock County Campus. On a 50-acre site overlooking the Rock River, the campus currently includes the administration and student union building and the instructional areas building, which includes an outstanding library and a greenhouse among its facilities. Planning is now underway to provide additional space for Janesville's rapidly growing enrollment.

The Center System's goal of meeting many academic needs is reflected in the Rock County curriculum which last year saw marked expansion both during the regular semesters and in the summer session. Many of the courses were offered in late afternoon and evening sessions to benefit adult and working students from the area.

Dedicated to providing total educational opportunity, the Rock County Campus has created an extensive and varied activity program for its students. Campus audiences enjoy a full schedule of professional and collegiate performances each year, while a literary society and the student newspaper serve other creative bents. The Madrigal Singers, who annually provide the campus with holiday entertainment in the Elizabethan style, and the ski club are also popular campus groups.



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SHEBOYGAN COUNTY CAMPUS

A major building expansion program marks another step forward for the Sheboygan County Campus this year. Additions to the beautiful 72 acre hilltop site include a fine arts building, a physical education building and a library and learning resources center. Original campus facilities include a classroom-office-student center complex.

In keeping with the Center System charge to make higher education's resources available to many different people throughout the state, the Sheboygan campus directs many of its academic programs to serve special student groups as well as the regular freshman-sophomore enrollment. A pioneer in work with law enforcement personnel, the campus also has developed several programs to aid disadvantaged students. Much of the planning is carried out through committees made up of both students and faculty.

Sheboygan students also participate in a number of informal activities on the campus. The Campus Band and Chorus, Campus Stagers, and Delta Psi Omega, a drama society, give many students "on stage" experience. Student government, foreign language clubs, the Campus Co-operative service club, and the Centerpiece, the student newspaper, are other popular activities on the Sheboygan campus.





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WASHINGTON COUNTY CAMPUS

The Washington County Campus, which opened in 1968, is located in West Bend, seven miles south of the Kettle Moraine State Forest. Set in the midst of 87 wooded acres bordering on three lakes, the campus serves as an ideal outdoor laboratory as well as providing opportunity for excellent recreational and physical education programs.

Complementing the regular freshman-sophomore programs of study, the campus has developed an imaginative array of educational approaches to the needs of adult and working students. Special scholarship opportunities, and programs offered in conjunction with University Extension, facilitate part-time study and give the West Bend campus the largest part-time student enrollment, by percent, in the Center System.

Campus resources also have been directed toward the fine arts. In addition to sponsoring performances by visiting artists, the campus works closely with area residents in the Moraine Area Symphony Orchestra, community theatre groups, and in a cooperative art program with local galleries.

Facilities at the Washington County Campus include a modern learning resources center, a classroom-administration building, and the student center, with a 296-seat theater.

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WAUKESHA COUNTY CAMPUS

The Waukesha County Campus, the largest campus in the Center System, is located in the state's most rapidly developing metropolitan area. A joint project of The University of Wisconsin and Waukesha County, the 86-acre hilltop campus includes Northview Hall, a three-story classroom-library-laboratory building; the Commons, a multi-purpose student activities building; the Fieldhouse, a completely equipped physical education facility; and Southview Hall, the new classroom-office building opened in early 1969.

At the Waukesha campus, as at all the Center System campuses, the major emphasis is upon undergraduate teaching. Recent grants awarded to Waukesha faculty members for work in biology, physics, chemistry and science education will be reflected in classroom programs; students also benefit from close community-campus ties which bring cooperative programs in such diverse areas as engineering and journalism.

Adding to the challenge of the classroom, a full-scale campus activities schedule provides something for every interest. Faculty-student groups coordinate student life and conduct, publications, learning resources and cultural and special educational opportunities. Other areas of involvement give Waukesha students the chance to participate in Center System forensic tournaments, student government leadership conferences and journalism, music and drama workshops.



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Public Higher Education in Wisconsin

The Center System, with the five other University of Wisconsin administrative units, plays an important part in the larger structure of public higher education within the state.

The many public institutions offering post-high school education opportunities to Wisconsin residents divide into three basic systems: The University of Wisconsin (UW), the Wisconsin State Universities (WSU), and the division of Vocational, Technical, and Adult (VTA) Education.

A fourth historic division, the County Teachers Colleges which offer two-year teacher training, is slowly being phased out as the four-year degree becomes prerequisite to teacher certification.

Originally, each of these systems was assigned a clearly defined role in educational service to the state. "Teaching, research, and public service" was the responsibility of the UW, teacher training was delegated to WSU, and VTA was created as a resource for Wisconsin residents not served by other segments of higher education.

Over the years, in response to the growing needs and numbers of people to be educated, these institutions have expanded and diversified their programs and services.

From a single "preparatory department" in 1849, The University of Wisconsin has grown into two campuses at Milwaukee and Madison, both offering extensive graduate school programs; new four-year complexes centered at Green Bay and Parkside which incorporate the freshman-sophomore campuses at Marinette, Manitowoc, Menasha, Racine, and Kenosha; the Center System; and University Extension.

At WSU, which began as a series of normal schools that later became State Teachers Colleges, the expansion of curricula and programs brought university status in 1964. The campuses at Eau Claire, La Crosse, Stevens Point, Whitewater, Oshkosh, Platteville, Menomonie (Stout State), Superior, and River Falls continue to emphasize four-year teacher training and masters programs in education, but they are also fulfilling other needs in state education. All offer credit work toward professional and four-year liberal arts degrees, and masters programs in fields other than education are also being developed.

Two-year WSU branch campuses similar to those of the UW have been

established at Fond du Lac, Richland Center, and Rice Lake. A fourth is scheduled at Medford.

Of the 33 schools in the VTA system, 16 are technical institutions offering associate degrees as well as one and two-year diploma programs. Comprehensive institutions with both vocational-technical programs and liberal arts college transfer work are located at Madison and Milwaukee, and a third such school is planned at Rhinelander. Other VTA schools offer varying vocational, technical, and adult programs.

All three systems are subject to the final authority of the State Legislature. The Coordinating Council for Higher Education, a board of citizens and systems representatives, refines and coordinates plans for budgets, facilities, and programs initiated by the individual systems.

Each system operates under its own administrative organization which reports to the Governor and Legislature. A ten-member Board of Regents serves as a policy-making body of The University of Wisconsin. There is a system-wide president, Dr. Fred Harvey Harrington, with the four-year campuses, the Center System, and University Extension each governed by a chancellor. A dean heads each of the Center campuses.

Wisconsin State Universities operate under a system-wide director, Eugene R. McPhee, and individual campus presidents, who are responsible to a 13-member Board of Regents. Branch campuses are administratively tied to the nearest four-year WSU institution.

VTA programs, under the jurisdiction of the Wisconsin Board of Vocational, Technical, and Adult Education, are administered by State Director Clarence L. Greiber.

The development of new collegiate majors and VTA programs now make more than 500 program options available to students enrolled in state institutions. Inter-system cooperation is growing on many levels — such as facility and staff sharing — to further enhance the programs of these institutions.

In addition to the three public higher education systems, Wisconsin is served by a number of private and proprietary schools ranging from universities, colleges, and seminaries to business, professional, and technical schools.





YOUR ADMISSION TO A CENTER SYSTEM CAMPUS

This section explains the admission requirements for freshmen, transfer students, and adult students, and tells when and how to apply.

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The University of Wisconsin has a uniform admissions policy for all campuses. One application blank is used throughout the University, and all students are asked to meet the same requirements whether they plan to start their college careers at one of the Center System campuses or at one of the University's four-year campuses. In accordance with University policy, the Center System considers for admission all students who seem to have a reasonable chance of meeting the academic requirements for graduation.



ADMISSION CRITERIA

To qualify for admission, you must be a high school graduate and take one of the two national tests required for admission. The two tests are the American College Test (ACT) given by the American College Testing Program or the Scholastic Achievement Test (SAT) given by the College Entrance Examination Board. Ordinarily, a Wisconsin student who meets the current academic subject requirements and ranks in the upper half of his class will be admitted. If an applicant's high school record and

rank indicate that he may encounter difficulty in University studies, scores on admission tests (ACT or SAT) will be used in determining eligibility for admission. If you live in another state, you must rank in the upper 40% of high school graduates nation-wide as measured by high school record and test scores. Your test scores are considered as part of the application, but there is no passing or failing of an entrance test. The University also considers the recommendation of your high school principal or guidance counselor. You may receive a permit to enter before you have graduated from high school, since students are admitted on the basis of grades earned through the junior year plus a listing of the subjects carried in the senior year.

Your high school program must include 16 units* distributed as shown in the chart below:

English	3 units
Algebra	1 unit
Geometry	1 unit
Two of the following:	
A foreign language	2 units
History and social studies	2 units
Natural science	2 units
Academic electives in English, speech, foreign language, history, social studies, natural science, and mathematics (algebra, geometry, trigonometry, analytic geometry, and calculus).	
Fractional units are accepted, except in foreign language	3 units
Other electives. Fractional units are accepted	4 units
<hr/>	
16 units	

*A unit is considered to be one year of high school work.

ADMISSION STEPS

1. Complete an application for admission. Blanks may be secured from your high school or from the admissions office of any University of Wisconsin campus. Please complete the application carefully, and follow the directions given on the application form.

2. Take one of the two admissions tests — ACT or SAT — and at the

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same time you take the test, or later, ask that the scores be sent to the University Center System Office of Admissions, 602 State Street, Madison, Wisconsin 53706.

WHEN TO APPLY

You may apply in October of your senior year in high school for the fall, spring or summer term. Your application must be submitted no later than August 1 for the fall term, December 15 for the spring term and May 1 for the summer term.

APPLICATION FEES

Students who do not live in the state of Wisconsin must submit a \$10 non-refundable fee with the application for admission. There is no application fee for Wisconsin residents.

TRANSFER STUDENTS

If you have attended any type of school after graduation from high school, you will complete the same application blank as new freshmen and follow the same application dates. In addition to your high school record, you must submit an official transcript from all schools you attended after high school graduation. This applies to nursing schools, business schools, vocational schools, etc. as well as other colleges and universities. Failure to submit such records may be cause for dismissal from the University. You are asked to submit such records whether or not you completed any work, regardless of your desire to claim credit for the courses. The only exception is made for training schools you may have attended as part of military service.

If you have completed 15 or more credits in another college or university, you will not need to submit the ACT or SAT scores. Residents of Wisconsin must have at least a C average on all college work; residents of other states must have earned grades averaging at least half B and half C on all credits carried.

ADULT EDUCATION

The Center System provides an opportunity for college education to

many adult students who do not qualify for admission according to the preceding paragraphs. You may wish to take one course or you may wish to work toward a degree. Adults who do not wish to work for a degree from The University of Wisconsin may register as "Special" students and will complete an application blank other than the regular application. If you wish to work toward a degree but do not present the specific requirements for admission, you may be admitted as a "Conditional Matriculant". Since each person has a different educational background and different needs, please discuss your situation with an admissions adviser at the campus you plan to attend, or write to the Director of Admissions, UW Center System, 602 State Street, Madison, Wisconsin 53706.

PART-TIME STUDENTS

The University of Wisconsin Center System welcomes and encourages attendance on a part-time basis. Each campus schedules classes in the late afternoon and evening in addition to the classes given during the conventional school day. As a part-time student, you may enroll for one or more courses to suit your needs, either in the day or evening.

Attendance on a part-time basis does not affect your application for admission. If you have any plans for working toward a bachelor's degree, you should complete the regular application blank. Students who are definitely not interested in a degree may complete a "Special Student" application form which is available from the Office of Student Affairs at any Center System campus.

OPPORTUNITIES FOR SUPERIOR HIGH SCHOOL STUDENTS

Programs are provided in the Center System which will let you start college before high school graduation (see 1.) or will challenge you while still in high school (see 2.).

1. You may enroll at a campus without graduating from high school. Selection for early admission is on the basis of scholastic ability, social maturity, educational plans, and the appropriateness of this plan for you. Scholastic ability is measured by your high school record and the ACT or SAT scores which should be in the top one-tenth of high school class scores. Major consideration is given to the recommendations of your high

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school; you should be completing at least the 10th grade and preferably the 11th grade.

2. High school seniors with superior records (ranking in upper 10% of class) and test scores may be permitted to enroll in one or two subjects in the University while completing high school. If you are interested in this opportunity, please consult with your high school principal or guidance counselor first. You must have their recommendation to be sure this program fits in with your high school classes. After you, your high school counselor, and the dean of the campus agree that this is a wise choice for you, you will be asked to complete the proper application form.

ADVANCED PLACEMENT

The Center System awards advanced placement and University credit in specific subjects for high school students who have earned satisfactory scores on the appropriate College Entrance Examination Board's achievement tests.

PHYSICAL EXAMINATIONS

You are required to have a physical examination, by your own physician, if you are a new, full-time student or if you are re-entering the University after having been out of school two or more years. The results of the physical examination are kept on file in the campus student affairs office and are confidential material. The form which your doctor must complete will be mailed to you after your Permit to Register has been authorized. **The results of the physical examination will have no effect on your eligibility to enter the University.**

HOUSING

Because most Center System students live at home while going to college, most of the campuses do not provide dormitory facilities. However, the Marathon County Campus (Wausau) has a new dormitory available to students. Inquiries for housing at the Marathon County Campus or other campuses should be addressed to the campus dean or the student affairs director, who will have information available on housing in the community.



EXPENSES AND FINANCIAL AIDS

This section contains information on fees and other expenses, out-of-state tuition regulations, student employment, and financial aids. Many financial aids are available to Center System students, including scholarships, loans, and grants.

EXPENSES AND FINANCIAL AIDS

EXPENSES

Fees

At the time of the Center System catalog publication, fee and tuition schedules for 1969-70 and 1970-71 had not yet been approved. Proposed, and likely to be approved, was a schedule calling for resident fees of \$225 per semester for 1969-70 and tuition of \$863 per semester for nonresident students. These charges would apply to academic course loads of 12 or more credits per semester.

Fee costs for residents in 1970-71 would be \$245.00 per semester while nonresident tuition would be \$883.00 per semester.

If you would like to take 11 credits or less during a semester you may enroll as a part-time student. Under the proposed fee schedule, Wisconsin residents would pay \$19.00 per credit in 1969-70 and \$20.50 per credit in 1970-71. Charges for nonresident students would be \$71.50 per credit in 1969-70 and \$73.60 per credit in 1970-71.

Tuition and fee costs are subject to change without notice. To obtain a final tuition and fee schedule you may contact the director of student affairs at any of the Center System campuses or you may write to the Director of Admissions, University Center System, 602 State Street, Madison, Wisconsin 53706.

Late Registration, Late Payment

An additional fee of \$10 is charged for students who complete registration after classes begin. You are officially registered when your tuition and fees are paid in full. All fees should be paid on or before Friday of the first week of instruction in each semester.

If you pay your fees after the first week of instruction, you will be assessed a late payment fee according to this schedule: during the second week of classes, \$5; third week, \$10; fourth week, \$15; fifth week, \$20; after the fifth week of classes, \$25.

A late registration fee is not applicable to part-time students. For this purpose, a part-time student is one who carries seven or less credits.

Part-time students who do not pay their fees before the third week of instruction are subject to the following penalties: payment during the third week of classes, \$5; fourth week, \$10; fifth week, \$15.

Refunds

If you withdraw from a Center System campus during the first eight weeks of classes, your money will be refunded as follows: for withdrawal before or during the first week of classes, 100 percent; second, 80 percent; third and fourth weeks, 60 percent; fifth and sixth weeks, 40 percent; and during seventh and eighth weeks of classes, 20 percent. The late registration or late payment charge is not refundable. If you change from a full-time to a part-time program, the refund schedule is the same as listed above for complete withdrawal. The date on which you submit notice of your withdrawal to the campus student affairs office is the official date used for refunding money.

Books and Materials

You can purchase textbooks and other materials from local bookstores at an average cost of \$40 to \$50 a semester.

Insurance

As a Center System student (carrying 8 credits or more), you are eligible for a Student Group Hospital-Medical-Accident Program at your own expense. Enrollment in this plan may help eliminate the financial worries associated with the cost of modern day hospital and medical care. Information concerning the plan is mailed to each Center System student. If you wish to enroll in this program and did not receive the information, ask for informational brochures and an enrollment form at your campus student affairs office.

Students who participate in athletics or inter-campus activities must be covered by health and accident insurance. If you feel that you do not need this insurance plan because you are covered by another policy you carry, please check your present policy to make sure it provides coverage for accidents or illness caused by participation in athletics of any kind. It is also possible that a student may become involved in activities which include travel to another campus of the University; this policy will provide coverage for accident or illness caused by such activity.

EXPENSES AND FINANCIAL AIDS

Exemption From Out-of-State Tuition

The following is an excerpt from Section 36.16, Wisconsin Statutes of 1963, dealing with exemption from out-of-state tuition at The University of Wisconsin.

(1) (a) Any adult student who has been a bona fide resident of the state for one year next preceding the beginning of any semester for which such student registers at the university, or any minor student whose parents have been bona fide residents of the state for one year next preceding the beginning of any semester for which such student registers at the university, or any minor student whose natural parents are divorced or legally separated who has resided substantially in this state during his years of minority and at least one year next preceding the beginning of any semester for which such student registers at the university or whose mother or father has been a bona fide resident for one year next preceding the beginning of any semester for which such student registers at the university, or any minor student who is an orphan and who has resided substantially in this state during his years of minority and at least one year next preceding the beginning of any semester for which such student registers at the university or whose legal guardian has been a bona fide resident for one year next preceding the beginning of any semester for which such student registers at the university, or any minor student under guardianship in this state pursuant to ch. 48 or 319 who has resided substantially in this state during his years of minority and at least one year next preceding the beginning of any semester for which such student registers at the university or whose legal guardian if a person has been a bona fide resident of the state for one year next preceding the beginning of any semester for which such student registers at the university, shall while he continues a resident of the

state be entitled to exemption for non-resident tuition, but not from incidental or other fees and tuition in the university.

* * *

(ab) Nonresident members of the armed forces who are stationed in this state and their wives and children shall be entitled to the exemptions provided in par. (a) during the period that such member of the armed forces is stationed in this state.

(ac) Any female student who attended the university as a minor student exempt from the fees for nonresident tuition, and, who, would continue to be entitled to the exemptions provided in par. (a) except for having married a nonresident, shall continue to be entitled to such exemptions.

* * *

(ae) Any female who married a bona fide resident shall be entitled to the exemptions provided in par. (a) effective the semester following her marriage and while continuing to reside in this state.

* * *

(b) Any student who has not been a resident of the state for one year next preceding the beginning of any semester for which such student registers at the university, except as above provided, shall not be exempt from the payment of the nonresident tuition fees.

* * *

(e) Notwithstanding the provisions of par. (b), any minor or totally dependent person who resides outside the state but whose parent, upon whom he is dependent, is employed full time in Wisconsin shall be admitted to the university as a resident student provided that the state of residence provides reciprocity in the levying of any taxes on income imposed by such state.

* * *

(3) In determining bona fide residence, filing of state income tax returns in Wis-

consin, eligibility for voting in the state of Wisconsin, motor vehicle registration in Wisconsin, and employment in Wisconsin shall be considered. Notwithstanding the provisions of par. (1) (a), a student from another state who is in this

state principally to obtain an education will not be considered to have established a residence in Wisconsin by virtue of attendance at educational institutions.

Note: if you have any questions about your residence status, consult the residence examiners in the Office of the Registrar, University Center System, 602 State St., Madison, Wisconsin 53706. The registrar hears all appeals from the out-of-state classification. Consider informal opinions or statements on residence status by other University personnel as unofficial.

In determining your eligibility for exemption from the out-of-state tuition classification, the first day of instruction in a semester is considered the beginning of that semester.



EXPENSES AND FINANCIAL AIDS

FINANCIAL AIDS

There are many and varied financial aids available to qualified young men and women. You are eligible to apply to the overall university financial aid program. In addition, some campuses also have special programs designed to aid students attending their campuses. The student financial aid adviser in your student affairs office will be able to give you information about financial aid and how you may obtain assistance.

Typical budgets for an academic year

STUDENTS LIVING AWAY FROM HOME

1969-70

*Fees	\$ 450
Books and Supplies	100
Room and Board	700
Miscellaneous and travel	450
Total	\$1700

1970-71

*Fees	\$ 490
Books and Supplies	100
Room and Board	700
Miscellaneous and travel	450
Total	\$1740

STUDENTS LIVING AT HOME

*Fees	\$ 450
Books and Supplies	100
Room and Board	400
Miscellaneous and travel	500
Total	\$1450

*Fees	\$ 490
Books and Supplies	100
Room and Board	400
Miscellaneous and travel	500
Total	\$1490

(Nonresident students add \$1276 for out-of-state tuition to the budget.)

Note: The "Living at Home" budget above shows the actual costs of supporting a student in college for an academic year. Figures include the cost of food while living at home, miscellaneous expenses and travel. Commuters and their parents should keep in mind that they are already paying these three items. The only additional costs are those for tuition and books. Most average commuter families will find that they will be paying an additional \$550 (\$450 fees, \$100 books) during the 1969-70 academic year or an additional \$590 (\$490 fees, \$100 books) during the 1970-71 academic year. Fees are subject to approval. Awards, however, are based upon the total cost of supporting a student. Assistance given beyond the tuition and book costs should go to meet board and miscellaneous expenses. (Travel expenses may be higher than transportation costs while the student was in high school. This will vary depending on whether the student attends school in his home town or commutes from a more distant residence.)

***Subject to approval**

To help the University judge your need and award aid fairly, your parents are asked to complete a confidential statement of their income, assets and liabilities. The University can then determine the difference between what your education will cost and what you and your parents can provide.

Also considered in determining a reasonable parental contribution are salaries of both parents, additional income, net worth of business or farm, real estate holdings, savings, investments, special family circumstances such as additional costs of two working parents, number of dependents, student's earnings and assets, extraordinary expenses (such as business or medical), and certain types of debts. Circumstances such as job expenses or debts, and support of elderly relatives or other children in college, are also taken into account.

Students are also expected to contribute to these educational expenses through summer savings. Incoming freshman girls are expected to provide \$200, incoming freshman boys, \$300; an additional \$50 is expected from the student for each additional year, i.e. soph. girl, \$250; soph. boy, \$350; jr. girl, \$300; jr. boy, \$400; sr. girl, \$350; sr. boy, \$450.

Students are expected to commit a substantial portion of their own resources toward educational expenses before they request assistance.

Rarely can a student meet all his expenses through one type of financial aid. Assistance generally must come from a combination of resources. A student may be selected to receive a loan and grant, a scholarship and a loan, a loan and a job, or other combinations. He need not accept the whole package to receive part of it.

How to Apply

(1) Only one form is required. When your application is received, you will be considered for all the kinds of financial aid for which you are eligible. You may file an application before receiving a Permit to Register at the University, but you must have a permit before receiving an award.

Application packets and instructions for filing them may be obtained from high school guidance counselors or principals in Wisconsin or from any of the University campuses listed in the back of this catalog.

(2) A Parents' Confidential Statement must be completed by parents of applicants for financial aid. This form is included in the application packet referred to above.

EXPENSES AND FINANCIAL AIDS

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Deadlines are as follows:

1. Scholarship grants and/or combination of assistance: high school seniors — March 1, transfer and continuing students — February 15. High school seniors will be notified between April 15 and May 15 of the action taken on their applications. Transfer and continuing students will be notified between May 15 and June 15.

2. National Defense student loans, Work-Study jobs, and State of Wisconsin loans: All applications filed before April 15 are given first priority, but applications will be accepted throughout the year as long as funds are available.

Students who file late applications, however, are taking a risk, for the University cannot guarantee loan and job assistance to those applying after the priority date.

3. University loans: Applications are accepted at any time while you are enrolled.

Types of Financial Aid

SCHOLARSHIPS

Nearly all scholarships are awarded in competition. The faculty Committee on Student Financial Aids explains the criteria used in selection of scholarship recipients:

“Scholarships awarded by the Committee on Student Financial Aids to students entering or continuing at a Center System campus will be awarded on the basis of scholarship and worth. The amount of the stipend will be determined by need. These principles should always be followed unless the stipulation of the bequest indicates otherwise.”

Awards to prospective freshmen will be made on the basis of six semesters of high school work. You may, however, submit seventh semester grades, if they are appreciably better, and have them considered in your scholarship rating. Scholarship awards are provisional, contingent upon a satisfactory record in the senior year of high school.

Awards to continuing or transfer students of the University are made on the basis of the student's cumulative college grade point average.

The single financial aid application, with the appropriate parents' financial data, is all that is needed to apply for any scholarship assistance at The University of Wisconsin.

EDUCATIONAL OPPORTUNITY GRANTS

The Higher Education Act of 1965 created a new federal **student** assistance program to further help students "of exceptional **financial** need." In general, this means students whose parents are able to **provide** only a small portion of the financing of their child's education.

Further, the Act specified that the institution awarding the **grant** must also offer the student an equal amount of assistance from **its** own resources. The matching award could be in the form of a job, a **loan**, or a scholarship. **The student must accept the matching award conditions when he accepts the grant.** The amount of the grant may **equal** half of the student's need up to a maximum of \$1,000. This grant is **renewable** each year up to four years as long as the student continues to make satisfactory progress and his financial situation does not **change**. The grant is awarded only on a "package" basis, never singly.

LOANS

In some cases it may be advisable to borrow to finance an education, if you borrow only what you need to maintain a minimum living standard. Use caution in borrowing. Generally, you should not rely **primarily** on loans to finance your education.

Students are usually advised not to borrow more than half of what they need to meet their expenses, so that they will not find themselves facing a staggering debt upon graduation. Taking part-time work, or even dropping out of school for a year or so to work full time, is sometimes **advisable**.

Loans at Wisconsin are not available for non-educational expenses, nor are they generally available for the repayment of previously incurred debt.

National Defense Student Loan Program

Under Title II of the National Defense Education Act of 1958, students in good standing and with financial need may apply for National Defense Student Loan funds. **Need is the primary consideration for granting such a loan.**

Depending on need, you may borrow up to \$1,000 during any one fiscal year (July 1—June 30) with maximum disbursements of, generally, \$500 per semester. Accumulated loans may not exceed \$5,000.

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Borrowers may have up to ten years and nine months, after they cease to be at least a half-time student, to repay their loans. Repayments and 3% simple interest per annum begin nine months after a student receives a degree or permanently leaves the institution. The University bills on a quarterly basis, and there is a minimum yearly repayment of \$180.00. Thus a student with a small accumulated maximum (less than \$1800) by the time he leaves school will have nearly ten years in which to repay his loans.

These borrowers who become full-time teachers in public or private non-profit elementary and secondary schools or institutions of higher education can have portions of their loans cancelled at the rate of 10% per year for each complete year of academic service. The maximum amount which may be cancelled for teaching service is 50% of the total loan, including interest, unpaid as of the first day of teaching. Cancellation of 15% per year for up to ten years may be obtained for teaching service in schools for the handicapped or in areas designated by the appropriate state agency as having a high concentration of low income families. Deferrals of up to three years on all interest and repayments may be obtained while on active duty in the Armed Forces, Peace Corps or VISTA.

To apply for a loan under this program you must:

1. Be a citizen or permanent resident of the United States.
2. Be enrolled or admitted as at least a half-time student. A half-time student is one who is carrying at least 8 credits per semester.
3. Meet the following grade requirements: entering freshman—admitted to the University; undergraduate—minimum 2.0 cumulative grade-point average for last completed semester.

Wisconsin State Student Loan Program

Residents of Wisconsin may borrow from the Wisconsin State Student Loan Program. These loans are from funds established by the state and are administered jointly by the institution the student is attending and the State Commission for Higher Educational Aids.

You may borrow from the state loan program if:

1. You are a citizen or permanent resident of the United States and are a Wisconsin resident attending an accredited post-high school educa-

tional institution;

2. You are an undergraduate, graduate or professional school student carrying one-half or more of a normal academic load;
3. You have demonstrated academic ability and are likely to go on to graduation. Undergraduates must maintain a 2.0 cumulative grade point average and 2.0 in the last completed semester. Entering freshmen who have been admitted to the University are eligible;
4. You can demonstrate financial need.

You may borrow up to \$1,000 per fiscal year as an undergraduate, with a maximum accumulation of \$5,000 in loans. There is no interest charged while you are enrolled. Nine months after you cease to be at least a half-time student, repayment and interest commences at 7% simple interest per annum. You have up to ten years from this date to repay the loan, depending upon the total amount that is outstanding. The state bills on a monthly basis, and there is a minimum yearly repayment of \$360. There are no cancellation benefits in this loan program, but deferments of up to three years may be obtained for active duty service with the Armed Forces, the Peace Corps or VISTA.

Wisconsin Guaranteed Student Loan Program

The Wisconsin Guaranteed Student Loan Program, signed into law on August 8, 1967, is now in operation throughout the state of Wisconsin. Loans under this program come from participating private lending institutions (i.e. banks, savings and loan associations, credit unions, etc.). The program is administered jointly by the private lending institutions and the Wisconsin Higher Education Corporation, a subsidiary of the Wisconsin State Higher Educational Aids Board.

To be eligible for a Guaranteed Student Loan, an applicant must:

1. Be a citizen or permanent resident of the United States and a Wisconsin resident as defined by Section 36.16 of the Wisconsin Statutes (i.e. the same as the University requirements for residency).
2. Be enrolled or accepted for enrollment at an accredited post-high school educational institution in the United States.
3. Be at least a half-time student, i.e. undergraduate—8 credits per semester, 4 credits per summer session.
4. Have demonstrated academic ability and be likely to go on to gradua-

EXPENSES AND FINANCIAL AIDS

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tion. Generally this means maintaining a 2.0 cumulative grade-point average and earning a 2.0 in the last semester completed.

To apply for assistance under this program: the student is to pick up the application form from the financial aids office of the school which he is attending, a commercial lender (i.e., bank, savings and loan association, credit union, etc.) in his home town, or from the Wisconsin Higher Education Corporation, 115 W. Wilson Street, Madison, Wisconsin 53703.

PLEASE NOTE: Do not confuse the Guaranteed Loan Program with the Wisconsin State Loan Program. Though they both have federal interest subsidy benefits, they are otherwise entirely separate and distinct programs. The Wisconsin State Loan is based upon a strict need analysis and is awarded directly by the state upon recommendation and specification of amount by the educational institution.

Law Enforcement Education Program

Loans and grants are available for law enforcement personnel who are enrolled in an undergraduate program leading to a degree in an area related to law enforcement.

Loans, up to a maximum of \$1,800 per academic year, are available for full-time students and are dispersed on the basis of need. The loans carry no interest while the borrower is in school. Six months after graduation or after the time the borrower ceases to be a full-time student, repayment and interest at 3% simple interest per annum commences. The loan may be cancelled at the rate of 25% per year, up to the total of 100%, for four years of service as a full-time officer or employee of a publicly funded law enforcement agency.

Law enforcement grants for tuition, books, and fees (up to \$300 per semester) are available to both full-time and part-time students who are enrolled in programs leading to a degree in an area related to law enforcement. A grant applicant must seek a written agreement with his administrative superior which indicates his intent to remain for two years in the service of the law enforcement agency which employs him. Failure to fulfill this agreement obligates the recipient to repay the full amount of funds received as grants.



University Short-Term Student Loans

These loans are made from funds established by gifts to the University. They are generally granted in amounts of up to \$500 per academic year. With the approval of a special loan committee, they can be granted for more than \$500. Repayment usually is expected by the beginning of the next academic year, and summer earnings are pledged for that purpose. A repayment schedule is agreed upon at the time the loan is granted. Interest rates vary, but the average is 2 to 3% a year. Parents of students under 21 co-sign a promissory note.

To qualify for a University student loan you must:

EXPENSES AND FINANCIAL AIDS

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1. Be a full-time student;
2. Maintain a satisfactory academic record: undergraduates—at least 2.0 cumulative grade point average or 2.0 in the last completed semester.

Other Loan Funds

Many individuals and foundations have established private loan funds to assist worthy students. A list can be obtained from the Office of Student Financial Aids in Madison or from your student affairs office.

Several departments and schools within the University have loan funds which they administer. They also have information about loans from outside sources in their fields. Students in agriculture, engineering, journalism, law, nursing and therapy, and music may inquire in their departments about possible loans.

Loans for Wisconsin veterans of World War II and the Korean and Vietnam conflicts are available from the Department of Veterans Affairs, Room 700, State Office Building, 1 West Wilson, Madison, Wisconsin 53702.

STUDENT EMPLOYMENT

All University Center System students are eligible to utilize the employment services of the Office of Student Financial Aids. Students may apply any time during the year; however, no student can be referred to a job opening until he arrives on the campus he plans to attend.

Hundreds of students at the campuses help finance their education through jobs both on and off campus. These jobs are offered through either the campus' own employment service or under the Work-Study program provided through federal legislation. This program has more than doubled the opportunity for students to work at the campuses during the regular school year and the summer. Eligibility for the federal Work-Study program is based on the student's financial need. However, financial need is not a prerequisite for employment that is not under the Work-Study program. University campuses offer any student the opportunity to work for a portion of the amount he will need to finance his college education, instead of having to rely totally on borrowing the necessary funds. Students are usually able to earn from \$500-\$700 during the academic year (34 weeks).

Most proficient students can carry a full load while holding a part-time

job (12 to 15 hours a week) without undue strain. Many students find that they earn better grades while working part-time because they budget their time more wisely.

While previous work experience is important, the possession of needed skills is even more important to the job-seeking student. Students who have acquired specific skills, such as typing, shorthand, bookkeeping, carpentry, etc., will find it much easier to secure part-time positions. Rates of pay for student jobs on and off campus generally range from \$1.50 to \$2.00 per hour.

The chart below shows how much you might earn (before taxes and other deductions) in a school year:

Work Hours Per Week	\$1.50 Per Hour	\$1.65 Per Hour
10	\$510.00	\$561.00
12	\$612.00	\$673.00
15	\$765.00	\$842.00

OTHER FORMS OF ASSISTANCE

Information about the Cold War GI Bill, a program of assistance for veterans, may be obtained from the Veterans Administration, Regional Office, 342 North Water Street, Milwaukee, Wisconsin.

The War Orphans Educational Assistance Act has been amended to provide educational benefits for children of permanently disabled veterans as well as children of deceased veterans. The veterans must have died or have become disabled as a result of service in the Armed Forces during the Spanish-American War, World War I, or since September 15, 1940. If you think you may be eligible for such financial assistance, apply to the nearest Veterans Administration office.

Financial Aids Counseling

If you would like to discuss your college finances or if you have any special problems regarding financial aids, you may make an appointment to see the campus financial aids adviser.





ACADEMIC INFORMATION AND REGULATIONS

This section explains many of the academic policies and regulations of the Center System. Classification, the grading system, draft board notification, changes in program, independent study, probation and other academic actions, and transfers are some of the points discussed.

ACADEMIC INFORMATION AND REGULATIONS

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Your college career becomes a focal point in a continuous process of education; it is the foundation on which you can build a full and satisfying life. Successful achievement in college demands that you concentrate on your academic program. You should be aware of the academic information and regulations included in this chapter. Faculty members, and particularly the advisers in the student affairs office at your campus, will help you interpret course requirements and plan a well-balanced program. Consult them often to find the most your University has to offer you.

CLASSIFICATION

When you receive your Permit to Register, you will notice that a combination of letters and numbers, such as BA 1, has been typed on your permit. You will be asked to use this in completing forms at registration time. The letters represent the course you plan to follow; the numbers are "1" for freshmen, "2" for sophomores. The letter abbreviations are:

AGR—Agricultural Sciences, Life Sciences and Natural Resources

ART—Art Education and Applied Art

BA—General Education in Liberal Arts

CM—Conditional Matriculant

ENGR—Engineering

HEC—Home Economics

MUS—Music

NUR—Nursing

PED—Physical Education

PRB—Pre-Business

PRED—Pre-Education (Elementary, Secondary, and Special)

PRP—Pre-Pharmacy

SPL—Special

If you did not indicate any specific course or major on your application blank, you will be classified as BA 1. You may change this classification on your registration materials if it does not apply to your educational plans.

SOPHOMORE AND JUNIOR STANDING

To be classified as a sophomore, you must have at least 24 credits and

48 grade points; as a junior, 58 credits and 116 grade points. However, if you plan to transfer to the College of Engineering at the Madison campus, you will need 28 credits and 56 grade points for sophomore standing, 60 credits with a C average in all work attempted for junior standing.

CREDITS FOR GRADUATION

A credit represents one hour of class work per week for one semester, or its equivalent in other forms of instruction, together with the necessary preparation. Two or sometimes three hours of laboratory work are considered as the equivalent of one hour of class work. If you are in a program requiring 120 credits for graduation, you must average 15 credits a semester to make normal progress toward a degree.

The number of credits required for graduation from a four-year campus of the UW varies from 120 for a B.A.—General Course degree in the College of Letters and Science to 158 in the School of Pharmacy.

GRADING SYSTEM

Semester grades are reported by letter only. Each letter grade carries a specified number of points per credit; thus a B in a 3-credit subject would yield 9 points. The scale of grades and points follows:

Grade	Points per credit
A (Excellent)	4
B (Good)	3
C (Fair)	2
D (Poor)	1
F (Failure)	0

The general quality of your work is expressed in terms of a grade-point average, which is defined as the total number of grade points earned divided by the total number of credits carried. The highest possible quotient is 4.0, which represents a grade of A in every subject; the lowest, zero or F.

The lowest degree of satisfactory work is, in general, an average of C: that is, grade points equal to twice the number of credits. "Passing" grades of D (poor) are not good enough to keep you in the University.

ACADEMIC INFORMATION AND REGULATIONS

INCOMPLETES

If, because of some unusual, substantiated reason beyond your control, you are unable to take or complete a final examination or a limited amount of course work, you may arrange with your instructor to be given an Incomplete in the course. You must be earning a passing grade in the course at the time. The following is a quotation from the Faculty Handbook of the Center System:

“You may give a grade of Incomplete if a student who has maintained a passing grade is not able to complete his work due to some factor beyond his control. If a student stays away from a final exam, his grade shall be ‘F’ unless he proves that he was prevented from taking the exam by some factor beyond his control, in which case he is given an Incomplete. However, if you know from his term work that he could not have passed for the semester if he had taken the final exam, his grade shall be ‘F’ regardless of his reason for not taking the final.”

Incompletes must be made up during your next semester in the University, or the Incomplete will be lapsed into a Failure. An instructor may set a shorter time limit for removal of the Incomplete if circumstances warrant. If your eligibility to continue at the campus depends on removing an Incomplete, you may be required to do so immediately. All students with Incompletes are required to secure permission to continue, regardless of the student’s academic record, from the student affairs office.

After five years’ absence from school, you cannot remove Incompletes; such Incompletes remain on your record, but do not lapse into Failures.

FAILURES

You are required to remove Failures only in courses specifically needed to complete your degree or major.

YOUR ACADEMIC RESPONSIBILITIES

As a student and citizen of the University community at your campus, several responsibilities are yours alone.

You are expected to attend each class in which you are registered, and

to be present from the beginning to the end of each semester. You must satisfy your instructor that any absence was for good reason. Excessive absence may result in dismissal. Strict standards of honesty are expected of you. The course work you submit must be your own, completed according to rules and instructions given. A plea of ignorance of such instructions cannot be accepted.

At the first sign of poor grades, consult your course instructors. Their suggestions, followed closely, may prevent you from incurring probation. Help is also available at the student affairs office, in the form of counseling or information on how to study.

STUDY LOAD

The majority of full-time students carry 15 or 16 credits per semester. The UW Center System defines a full-time student as one carrying 12 or more credits. (This does not apply to payment of fees: for this purpose only, full time is defined as 8 or more credits.)

As a new student you may carry a maximum of 17 credits, with one exception—if you are an engineering major, you may begin with a program of 18 credits. In succeeding semesters, engineering majors may take up to 21 credits a semester; other majors up to 19 credits, providing their average for the preceding semester was grade B or better.

Students who are working should seriously consider registering for reduced loads. Experience has indicated that a program load of 16 credits can be roughly equated to a full-time job. On this basis, the following table is suggested:

Credits	Employment Hours per Week
15	10
14	13
13	16
12	19
11	22
10	25
9	28
8	31

Most students would be wise to adhere closely to the work-study load above, especially first semester freshmen.

ACADEMIC INFORMATION AND REGULATIONS

DRAFT BOARD NOTIFICATION

If you are registered with a Selective Service Board, you may notify the board that you are enrolled at the University by filling out a form provided at registration time, and forwarding the form to your Selective Service Board. This form, when properly completed, informs the board that you are enrolled on a full-time (12 credit) basis. (However, Selective Service Boards' regulations vary in the number of credits per semester you are required to carry in order to be classified as a full-time student for their purposes. It is advisable to check with your local Selective Service Board.) The University will furnish you with further information on your academic status as needed.

CHANGES IN PROGRAM

You may find that you need to change courses after you have registered. You may obtain a change of program form in the student affairs office. This form should be completed by you to indicate the desired change. The form must be signed by the instructors concerned and by your adviser.

Adding Courses

You may add a course to your program only during the first two weeks of classes with the written permission (signature on the change of program form) of the instructor of the course. After the two weeks' deadline, you may add only courses normally prerequisite to the course for which you originally registered. (For example, you registered for Math 221 and then found you should have been placed in Math 112, which is prerequisite to Math 221).

Dropping Courses

You may drop a course during the first eight weeks of the semester without incurring failure by filling in the proper change form. A full-time first semester freshman may reduce his program below 12 credits. If you are not a first semester freshman, you may not reduce your program to less than 12 credits. Exceptions may be made only in extenuating circumstances.



Students who originally registered as part-time students (less than 12 credits) do not need permission to reduce their program but must make any program changes within the time limit.

Withdrawing From All Classes

You may withdraw completely from the University at any time prior to the last three weeks of classes during a regular semester or before the last two weeks during a summer session by first consulting with an adviser and then filling out the proper withdrawal forms. Students who do not complete the withdrawal form will receive grades of failure.

Absence from school during the last three weeks of the semester and/or failure to take the final examination will result in grades of failure.

ACADEMIC INFORMATION AND REGULATIONS

AUDITING A COURSE

You may audit a course only if the instructor consents. Courses which consist principally of student participation, such as some of the music or speech courses, may not be audited since auditing a class means that you simply attend the lectures. Courses which are audited are not counted in determining full-time attendance. You may switch from audit to credit status during the first two weeks of classes, or from credit to audit during the first eight weeks of classes by following the procedures for adding and dropping a course.

REPEATING A COURSE

If you wish to repeat a course which you have failed, or one which you have passed, or to strengthen your background in a subject, the course will be counted as part of your class load and a grade will be recorded. The credits and grade points will be entered on your record and used in determining your grade-point average. You may not count credits twice for the same course in determining the total number of credits earned toward your degree. This applies to repeating courses previously taken in college (at The University of Wisconsin, or another school if UW credit was granted) as well as toward repeating work which is a duplication of work taken in high school in a foreign language or in mathematics.

TAKING A COURSE FOR 0 CREDIT

Some courses are listed in this catalog as "0-1 credit". If you take such a course for 0 credit, a letter grade will be recorded. You are expected to do all of the assigned work in a course taken for 0 credit.

SUMMER SESSION

The Center System campuses, as well as all the other University campuses, offer an eight week summer session from mid-June to mid-August. The summer session gives you the opportunity to shorten the number of years you spend in college, make up credits you have lost, orient yourself to college life, or lighten your fall class load. Many students combine summer study with a part-time job. You may carry one-to-nine credits and adapt a schedule to fit your needs.

INDEPENDENT STUDY (Correspondence Courses)

The University of Wisconsin Extension offers a wide range of courses that may be taken through the mail. You may wish to take one of these courses during any semester that you cannot attend classes. To obtain a catalog listing courses available and their cost, contact the campus in your community or write to Independent Study Department, University Extension, 432 N. Lake Street, Madison, Wisconsin 53706.

If you are enrolled at the campus and have paid the full semester fee, you may take one correspondence course for credit without paying the course fee, **provided that the course is needed to complete your class schedule that semester.**

The following regulations apply toward such enrollment:

- 1) Class credits plus correspondence credits may not exceed the maximum number of credits which you are allowed each semester;
- 2) You may not add a correspondence course after the second week of classes nor drop it after the eighth week of classes;
- 3) Failure to complete the correspondence course taken under these conditions within 30 days after the close of the semester in which you are enrolled will result in recording either a grade of Incomplete or Failure. To receive an Incomplete, you must be doing passing work in the course and present a valid reason for failure to complete it. Requests for permission to remove the Incomplete will be considered by the student affairs director at your campus. If permission is granted, you must pay a \$5 reinstatement fee to the Independent Study Department.

If you plan to take a correspondence course in conjunction with a class program, your adviser will inform you of the registration procedures. You may purchase textbooks from The University of Wisconsin Extension by including the order and payment for them with your application. In addition to your application, you will also be asked to complete a form certifying that you have registered and paid your fees at the campus.

SCHOLASTIC HONORS

The Center System recognizes high scholastic achievement during the freshman-sophomore years by publishing sophomore honors and high honors, which require a minimum grade-point average of 3.25 and 3.75

ACADEMIC INFORMATION AND REGULATIONS

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respectively for two years' work based on normal class loads.

During the freshman year, you may be invited to join one of the freshman national honor societies, Phi Eta Sigma for men or Sigma Epsilon Sigma for women. Both societies require a grade-point average of 3.5 or above. Men are invited to join on the basis of their first semester records (or the record for the year, if the first semester average does not meet the standard). Women are eligible after completing a year's work.

At the close of each semester, each campus publishes a Dean's List, honoring students who have attained at least a 3.25 grade-point average for that semester. If you earn a 4.00 (straight A) average, you will be given highest honors; a 3.75 to 3.99 merits high honors, and a 3.25 to 3.74 brings honors.

ASSOCIATE IN ARTS OR SCIENCE CERTIFICATE

If you have earned one-half the credits and grade points necessary for the bachelor's degree, you may be awarded an Associate in Arts or Science Certificate, at your request.

TRANSFERS WITHIN THE UNIVERSITY

From Center System Campuses to Madison, Milwaukee, Green Bay or Parkside

Since the Center System offers only freshman-sophomore work, you should transfer to a four-year campus after you have completed your sophomore year. In most cases, the first half of the total number of credits for a degree from The University of Wisconsin may be earned at a Center System campus. All credits earned prior to or during your registration count toward the maximum number of credits allowed. This is true regardless of whether the work was taken within the University system or at another school, and includes work taken by correspondence. This regulation is commonly called the "60 credit rule" since 60 credits represent one-half of the minimum number of credits required for graduation from the College of Letters and Science.

If you are planning to transfer from a Center System campus to another UW campus, you should obtain an Application to Transfer form at your campus. This form should be completed and filed well in advance of the



term for which you plan to transfer. The deadline dates for filing are the same as the dates for filing for admission to the University (see p 30). Copies of your record will be forwarded automatically with the transfer form to the proper campus.

The requirements of the various schools and colleges of the UW are described in another section of the catalog (p. 71). If you meet these requirements at the time you apply for transfer, you will be sent a Permit to Transfer with information about registration procedures. After you transfer, your academic record card is also transferred to the proper campus.

From a Four-Year Campus to a Center System Campus

You may transfer from a four-year campus to a Center System campus by filing an Application to Transfer form (available at the registrar's office of any UW campus). If you are eligible to register at the campus last attended, you will be sent a Permit to Transfer. You should not transfer to a freshman-sophomore campus after you have attained junior standing. If an unusual circumstance arises and you would like to register at a two-year campus as a junior or senior, you will need permission from your home campus dean to be sure that the credits earned at the two-year campus will count toward graduation.

ACADEMIC INFORMATION AND REGULATIONS

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If you wish to transfer to a Center System campus and you have an Incomplete on your record, you must make arrangements to remove the Incomplete on the campus where the Incomplete was incurred. To remove a Failure incurred while you were in the College of Letters and Science on the Madison or Milwaukee campus, you must have permission from the associate dean of that college to repeat the course at the Center System campus.

From One Center System Campus to Another

If you plan to transfer from one Center System campus to another, please notify the student affairs office at either campus in advance of the registration period. Your records will then be transferred accordingly. If you were dropped from one campus and wish to attend another, you may appeal your dropped status to the student affairs office at either campus.

TRANSCRIPTS

To obtain a transcript of your Center System work, fill out a Transcript Request card (available at the student affairs office on your campus) and send it to: Transcript Office, University Center System, 602 State Street, Madison, Wisconsin 53706. No transcript will be furnished to any student who owes the University any fine or other money.

There is no charge for any transcript.

CONCURRENT REGISTRATION

You may find it necessary in planning your program to take classes at more than one campus of the University. To enroll concurrently, notify the student affairs office at the campus well in advance of registration. Your official registration and payment of fees should occur at only one campus, listing all classes taken within The University of Wisconsin. It is your responsibility to sign up for a specific class on each campus attended.

RE-ENTRY

To re-enter a campus after a lapse of one or more semesters, obtain Record of Residence and Application to Re-enter forms from the student

affairs office. File them at least six weeks before classes begin.

If you attended another school after leaving the campus, you must submit a transcript of your work. Send it to: Office of the Registrar, University Center System, 602 State Street, Madison, Wisconsin 53706.

If you have been out of school for two years or more, you will also be asked to have another physical examination. The health form will be mailed with your re-entry permit.

ACADEMIC ACTIONS

Each campus has a faculty Academic Actions Committee which functions in an advisory capacity to the student affairs staff in all cases where academic actions may be warranted. It also hears student appeals in cases of probation and drop actions, considers cases of readmission, and hears student appeals from all administrative decisions concerning the academic regulations as stated in this section of the catalog.

You have a right to appeal any academic actions to this committee. All academic actions are taken at your campus, and are a part of your official record within the University.

Probationary Actions

Failure to earn a 2.0 (C) grade-point average results in a probation status. The following regulations apply:

1. Generally, a first semester freshman who earns less than a 2.0 but at least a .5 grade-point average is on probation. A grade-point average of less than .5 during your first semester results in a drop status. You may not register for classes if you have incurred a drop status.
2. If you are other than a first semester freshman and not already on probation, you put yourself on probation with a grade-point average of less than 2.0 but at least 1.0. You incur the drop status by averaging less than a 1.0 in a semester.
3. If you are already on probation and earn less than a 2.0 but at least a 1.5 during any semester you are placed on final probation. If you average less than a 1.5 in a semester, you will be dropped.
4. If you are on final probation, you must keep at least a 2.0 grade-point average each following semester to avoid the drop status.

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ACADEMIC INFORMATION AND REGULATIONS

Probationary Actions for Part-Time Students

If you carry less than 8 credits a semester and earn less than a C average, you may be warned of your academic deficiency. In normal situations, no formal probationary action will be taken until you have been registered for at least two semesters. However, if you began the semester as a full-time student and earn less than a C average, you are subject to probationary action.

Probationary Actions for Summer Session Students

Summer session students are subject to probationary actions under the same conditions as students registered during the regular school year. However, if you take only one course in a summer session, and this session is your first enrollment in the University, no probationary action will be taken until you have completed another summer session or a semester. Your total record will be considered if and when any probationary action is placed on your record.

Removing the Probation Status

You may earn removal from probation or final probation when your cumulative grade-point average is at least 2.0 on all work attempted at The University of Wisconsin and you have at least a 2.0 in any semester after you were placed on probation. If you were admitted to the University on probation, you must earn at least a 2.0 on 24 credits to be removed from probation.

If you transfer to another school or college within the University, that school may apply its own probation standards and place you back on probation upon admittance to that school. Each school has its own probation and drop regulations.

Dropped Status

If your grades are such that you are dropped from school, you may appeal for readmission after staying out of school at least one semester. If you are dropped a second time, you must stay out of school at least one year. Appeals from the dropped status must be made through an adviser in the student affairs office.



CAMPUS LIFE

As a Center System student you will have the opportunity to participate in many extra-curricular activities. This section discusses some of the student activities and organizations at the Center System campuses.

CAMPUS LIFE

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Life on the two-year campuses of the Center System will be exciting, challenging, rewarding. Enrollment at a Center System campus means more than sharing a professor's knowledge and using the campus library. It means learning from associations with your fellow students and participating in the recreational and cultural opportunities available at all campuses.

Self-responsibility is stressed for students, both within and outside the classroom. You will have new and greater freedoms and responsibilities; the University sets high academic and social standards. Joint student-faculty decision making and action in many areas help determine standards.

As a citizen of the campus community you have the opportunity to contribute to the welfare of your University and enhance your own learning experiences. Your interest, criticism, and support are needed so that the all-important goal — providing you with the best educational opportunities possible — can be achieved. Faculty and student governments are dedicated to this goal.

Student organizations assume the major citizenship responsibility by planning and programming an important share of the cultural and recreational campus events. They also help determine University policy, both by recommendations to the faculty and by representation on faculty-student committees.

STUDENT GOVERNMENT

As a student you are represented through a campus student association, its legislative body, often called a Student Senate, and the many student government committees which plan all-campus activities.

The student association assesses a voluntary activity fee which each student is requested to pay to support the campus' student government. This student government activity fee often supports other student activities and organizations, as well as providing funds for social and educational programs of particular interest to students.

A student affairs staff member serves as faculty adviser to the student government.

Responsibilities as a student begin with electing representatives to your student government, and continue through your years as a campus

student. You can be an active citizen of your campus by being informed, asking questions, actively participating, and generally supporting your student association.

STUDENT ORGANIZATIONS

Each Center System campus has many student organizations. Registered student groups at most campuses include language clubs, service sororities and fraternities, political and social action clubs, drama and music clubs and activities, and religious interest groups. If no club fits your interests you are free to organize a group.

Campus student organizations must be registered by the student government under policies of the student-faculty Student Life and Interests Committee (SLIC).

PUBLICATIONS

The student newspaper is an effective communications channel carrying campus news, editorials, and features. Coverage also includes inter-campus activities.

Membership in the student body qualifies you for a position on the staff. Staff officers and editors are elected by a publications board; the faculty adviser is also selected by this board or the dean.

Literary magazines are published at some campuses; they offer an outlet for creative writing in the fields of poetry, the essay, and the short story. Other campuses have yearbooks.

FINE ARTS ACTIVITIES

Professional theater and ballet, as well as student productions, are performed at all campuses. You are invited to take part in dramatic performances under the guidance of experienced faculty.

Exhibitions of the work of famous artists and of students are shown regularly at all campuses. Both students and professionals present concerts of folk, jazz and classical music.

Distinguished American and foreign films are sponsored by the campus Lectures and Fine Arts Committees and various student groups.

CAMPUS LIFE

FORUM AND DISCUSSION PROGRAMS

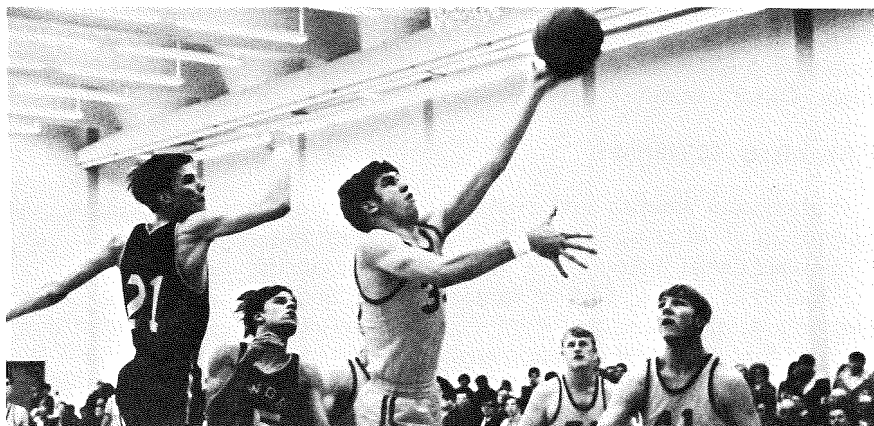
World famous political figures and specialists from varied areas of interest are brought to a Center System campus by the Lectures and Fine Arts Committee, student government, student organizations, and University departments. Informal student-faculty discussions on national, local, and campus issues are also sponsored by various organizations. Most of these programs are free to the students and faculty.

ATHLETICS

Intramurals

Center System campuses offer varied intramural programs depending upon facilities available. The following are activities offered at some of the campuses: archery, badminton, baseball, basketball, bowling, curling, fencing, golf, gymnastics, handball, paddleball, soccer, softball, swimming, table tennis, touch football, cross country, volleyball, weight training and wrestling. These activities are supervised by the athletic director or faculty staff members.

You are eligible to participate in your campus' intramural program after you have paid your registration fees, have had medical clearance and have shown proof of adequate health and accident insurance.



Wisconsin Collegiate Conference

Your campus is a member of the Wisconsin Collegiate Conference (WCC), which is comprised of the seven UW Center System campuses, the two-year campuses of UW-Green Bay and the two-year branch campuses of the Wisconsin State Universities. The WCC provides varsity competition in basketball, fencing, golf, tennis, wrestling and cross country.

Participants who fulfill the necessary requirements receive the Varsity Campus award. All campuses have basketball, cross country, golf and tennis competition. Fencing and wrestling competition depends upon facilities, staff and student interest.

Cheerleaders are selected under campus athletic policies.

All participants in conference activities must have either the student insurance policy offered by the Center System or show evidence of some other kind of health and accident insurance policy.

The Wisconsin Collegiate Conference

Northern Division

Barron County
Fond du Lac
Fox Valley
Marathon County
Marinette County
Manitowoc County
Marshfield-Wood County

Southern Division

Baraboo-Sauk County
Richland Center
Rock County
Sheboygan County
Washington County
Waukesha County

SOCIAL LIFE

A variety of social activities round out the campus' calendar of events. During the course of the school year, for example, you might stage a variety show, enjoy an all-school picnic, dance to your favorite band at an informal mixer, or attend Christmas and spring formal dances.

INTER-CAMPUS CONFERENCES AND WORKSHOPS

The University Center System sponsors several system-wide student conferences each year.

CAMPUS LIFE

Forensic Tournament

Every year the University Center System speech department cooperates with one of the campuses in conducting a forensic tournament. Contestants from each campus compete for honors in the following fields: discussion, oratory, extemporaneous speaking and interpretive reading. The three contestants receiving the highest ratings in each event are awarded medals.

Music Workshop

Student vocalists and instrumentalists have an opportunity to exercise their skills at the annual music workshop. The workshop, presented in cooperation with one of the campuses, is conducted by directors selected by the University Center System music department.

Student Government Conference

At the annual student government conference, representatives elected by campus student governments meet to discuss ideas and methods for solving common problems.

The conference is sponsored by the University Center System in cooperation with an inter-campus student planning committee to improve student government and to assure continuity of leadership at each campus.

Drama Workshop

The Center System speech department drama workshop is held each fall in Madison or at one of the campuses. The participants are interested drama students from each of the campuses.

At this workshop the students engage in such activities as acting and directing exercises and technical theater demonstrations and discussions, many of which are led by experts in all phases of the theater. There is also the opportunity to view and later discuss one or more full length productions.

Editors' Conference

Each fall the University Center System Office of Student Affairs sponsors a workshop for student publications staffs and advisers. Participants

discuss problems of writing, advertising, layout, and photography and listen to suggestions for improvement from publications experts.

In addition, a coordinator of student publications offers professional guidance to student publications staffs throughout the year and makes annual awards for outstanding achievements in journalistic activities.

STUDENT-FACULTY COMMITTEES

You have many opportunities to contribute to campus life. Students and student groups help determine University policy both by recommendations to the faculty and by representation on faculty-student committees.

The University Center System has a Faculty Senate which sets policy frameworks for all campuses. The Senate committees, some of which include students as members, help in making Center System policy as well.

While ultimate authority lies with the Board of Regents and the faculty, you can exert positive influence on the policy making of your campus.

Each campus has several faculty-student committees. Students are generally interviewed by the student association in the spring of each school year; a panel of names for each committee is sent to the dean or other appropriate University official for selection and appointment to faculty committees. Students participate broadly in the decision-making process of their campuses through these faculty committees. The student voice is welcomed and contributes to the important functions and policies of the committees and the campuses.

Student government channels recommendations on policy changes in the area of extracurricular life and interests to the Student Life and Interests Committee (SLIC). This is the faculty committee designated to work in the field of extracurricular activities and is composed of students and faculty-administrative members. SLIC sub-committees have equal student-faculty representation.

The committee's range of concern includes defining eligibility requirements for participation in all phases of student activities (except athletics); counseling with student organizations and groups; and establishing policies, rules, and regulations governing student social and group life. It often works in conjunction with student government and other student groups and is empowered to discipline organizations which fail to follow the established rules and policies.

CAMPUS LIFE

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Questions of dishonesty in class work are handled by the instructor or department in charge of the course or are referred to the Committee on Student Conduct and Appeals, made up of faculty members, with two students appointed by student government on the appeals division of the committee. Other questions of individual misconduct are handled by the committee also, often through the Office of Student Affairs.

Other faculty committees which include student members are the Lectures and Fine Arts Committee, Student Financial Aids, and Athletics. In addition, each campus may have special faculty committees which include student members.

OFFICE OF STUDENT AFFAIRS

Your director of student affairs and his staff members stand ready to help you achieve the maximum benefits from your college experience. While the ultimate responsibility is yours, you can receive assistance in improving your study habits and reading skills, counseling on vocational objectives, financial advice, help in arranging your academic program, information on current University degree requirements, and advice on personal problems. Answers to questions pertaining to selective service regulations and the enrollment of veterans are also available. In addition to these duties, the student affairs staff works closely with the student body in all phases of student government, social activities, inter-campus events, and other phases of student life.

WISCONSIN ALUMNI ASSOCIATION

If you have taken courses at a Center System campus, you are eligible for membership in the Wisconsin Alumni Association. Membership entitles you to the **Wisconsin Alumnus** magazine and other publications, as well as participation in alumni activities. For further information contact your local alumni association or write to Wisconsin Alumni Association, Alumni House, The University of Wisconsin, 650 North Lake Street, Madison, Wisconsin 53706.



PROGRAMS OF STUDY AT THE UNIVERSITY OF WISCONSIN'S FOUR-YEAR DEGREE-GRANTING CAMPUSES

At the end of your freshman or sophomore year at a Center System campus you may want to transfer to one of the University's degree-granting campuses at Green Bay, Madison, Milwaukee, and Parkside. This section contains information on the majors, programs, and special programs offered by the various colleges and schools at these campuses. Check this section for details on the requirements of the program you intend to pursue. You can take many of the requirements at your Center System campus.

PROGRAMS OF STUDY AT THE UNIVERSITY OF WISCONSIN'S FOUR-YEAR DEGREE-GRANTING CAMPUSES

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The University of Wisconsin is a university in the truest sense of the word, offering courses in almost every field of knowledge. A university is made up of several individual schools and colleges. For example, the Madison campus has a College of Letters and Science, a College of Engineering, a School of Education, and others. On the Milwaukee campus there are, among others, a School of Fine Arts, a School of Education, and a College of Letters and Science. A wide choice of courses and majors is offered within each of these schools and colleges.

This section of the catalog is designed to give you a brief summary of the programs offered at the Madison and Milwaukee campuses. You are urged to consult the appropriate Madison and Milwaukee catalogs for a more complete explanation of program content and requirements.

The two newest degree-granting campuses are The University of Wisconsin-Green Bay (UWGB) and The University of Wisconsin-Parkside (UWP). Because the curricula at UWGB and UWP are structured differently than the curricula at other UW campuses, only a general description of the two new campuses is given in this section. More detailed information about their programs may be obtained by writing directly to either institution.

DEFINITIONS

Before you begin reading about the various programs available, study the definitions below. They are provided to help you understand the material in this section.

Course	A specific subject such as English 101—Freshman English
Program	A planned series of classes leading to a degree, for example, in Journalism, Letters and Science, Mechanical Engineering
Major	An emphasis on a particular area of study within a program, such as a major in English in the College of Letters and Science, or a major in accounting in the School of Business
School & College	The words differ in meaning only in a technical way, and refer to a division of The University of Wisconsin such as the School of Education, College of Letters and Science, College of Engineering, etc.

MADISON

College of Letters and Science

The College of Letters and Science at Madison requires students to take a number of basic courses to assure a well-rounded education in the liberal arts. In addition, as a student in this college, you will be expected to select one area of specialization, or a major. The majors available at the Madison campus are listed on p. 78 of this catalog.

Requirements for the Bachelor of Arts degree in the College of Letters and Science are shown on the Requirements Work Sheet. You should try to meet most of the requirements under 1, 2, and 3 during your freshman and sophomore years.

You may receive a Bachelor of Science degree, if you prefer, by following the B.A. degree requirements and earning 60 or more college credits in mathematics and natural sciences.

Requirements Work Sheet for Letters and Science Degree B.A. General Degree (Optional B.S. General Degree)

- | | (1)* | (2)* | (3)* |
|---|------|------|------|
| 1. Meet requirements A., B., and C. in this section | | | |
| A. English Composition: English 101-102 or possible partial exemption | ---- | ---- | ---- |
| B. Intermediate Mathematics: Three years high school math (algebra, geometry, and/or trigonometry); or two yrs. high school math (alg. & geom.) and one semester of college algebra (Math 101); or | ---- | ---- | ---- |
| Two years high school math (alg. & geom.) and one semester of college logic (Philosophy 211) | ---- | ---- | ---- |
| C. Foreign Language: (See Note 3 under explanatory notes) 14 credits in one foreign language; or 16 credits in two languages only when 2 years of high school Latin and 8 credits of any other language are offered | ---- | ---- | ---- |
| VERY IMPORTANT. In Section 1., all credits of university work beyond a total of 14 will NOT count toward graduation. | | | |
| 2. Meet either requirements A. or B. in this section. | | | |

**PROGRAMS OF STUDY AT THE UNIVERSITY OF WISCONSIN'S
FOUR-YEAR DEGREE-GRANTING CAMPUSES**

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- A. Foreign Language: 24 crs. in one or 28 crs. in two foreign languages, including foreign language credits used for 1-C above. (See Note 3 under explanatory notes)
- Language:; Crs. from 1-C above
- Additional crs.
- Language:; Crs. from 1-C above;
- Additional crs.
- B. Mathematics: A year of college level calculus (Math 221-222) or equivalent
3. Meet requirements A., B., and C. in this section. (See Note 5 under explanatory notes).
- A. Humanities: 12 credits
- Must include 6 crs. of any combination of English or American literature, Comparative Literature 207, 208, and/or literature courses beyond the intermediate level in foreign languages (for example, the 221-222 series). Not more than 6 crs. of any combination of English, American, or Comparative Literature may be counted toward the 12 credit Humanities requirement.
- Humanities courses:
- B. Social Studies: 12 credits
- Social Studies courses:
- C. Natural Sciences: 12 credits
- If no unit of high school Chemistry or Physics, a college semester of either is required.
- Natural Science courses:
4. Major Study: Credits for 1., 2., and 3. may also apply toward the major but each degree credit counts only once toward total degree credits.
- Credits from above:;
- Other major courses:
5. Electives: All degree credits not listed above.
- Total Degree Credits: 120 (incl. not more than 14 from 1. above).

- *(1) Enter high school achievement; *(2) Enter college credits earned;
- *(3) Enter credits to be completed.

Explanatory Notes for Requirements Work Sheet

1. You can meet requirements in section 1 in whole or in part by high school courses, by attainment examinations, or both. Precollege achievement which satisfies requirements in this section will enable you to substitute courses of your own choice for the course requirements in this section, but will not reduce the total number of credits required for the degree. If you take little or no foreign language or mathematics before college, you will need more than 120 credits to graduate. For example, you could take 6 credits of English, 2 credits of mathematics, and 14 credits of foreign language in college to meet the requirements of this section. Only 14 of these 22 credits, however, would count toward the total of 120 required credits.

2. You are required to elect English composition (6 credits), unless partially exempt, in your freshman year, and you should meet the mathematics-logic requirements and 6 to 8 credits of the foreign language requirement by the end of your sophomore year.

3. Foreign language credits in 1-C and 2-A may include both high school and college work. One unit (one year) of high school foreign language is equivalent to 4 course credits. You may also meet these requirements by attainment examinations.

If as a result of a placement examination or the recommendation of the department, you are asked to repeat a foreign language course, you may receive one semester's credit for repeated work. This provision is effective for students who enroll for the first time on any campus of the University in September 1967 or later, for the College of Letters and Science on the Madison campus. Please see L&S **GUIDELINES** (Madison campus) for a full explanation.

4. In section 2 you are required to continue with either foreign language or mathematics, previous achievement in either determining the additional credits required.

5. Not more than 10 credits from any one department may be counted in section 3. No course can be counted toward more than one sub-group.

PROGRAMS OF STUDY AT THE UNIVERSITY OF WISCONSIN'S FOUR-YEAR DEGREE-GRANTING CAMPUSES

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Courses acceptable toward satisfaction of the requirements in section 3 are identified as humanities, social studies, or natural sciences.

6. At least 100 credits of the total number presented for the B.A. or B.S. degree (General Course) must be in letters and science subjects. Credits not to be included in this 100-credit minimum are those earned in agriculture, air science, business, education (including art, art education, and physical education), engineering, home economics, law, library science, medicine, military science, music, naval science, nursing, and pharmacy. Credits in addition to the 100 may include up to 10 credits in any one of these departments, schools, or colleges, except in music where the maximum is 20 credits, including up to 6 credits in orchestra, chorus, and band, and except in air science where the maximum is 15 credits.

Note—See the College of Letters and Science-Madison catalog for further details.

The following distribution shows some of the courses offered at Center System campuses which fall into the areas of humanities, social studies, and natural sciences. The two Colleges of Letters and Science (Madison and Milwaukee) differ slightly in categorizing these courses. Please see the Madison timetable for complete listings.



Humanities

Comparative Lit: 107, 108

English: All courses listed in this catalog except English 101 and 102.

French: 221, 222

German: 220, 221, 222

History: 111, 112

Music: 201, 202, 211, 212

Philosophy: 226, 253, 258, 520

Spanish: 221, 222

Speech: 130, 160, 241, 242, 343, 344

Social Studies

Anthropology: 100, 200, 202, 204

Economics: 101, 103, 104, 330

Geography: 110, 115, 514

History: 115, 119, 120, 121, 122, 123, 124, 127, 201, 202, 255, 257, 283, 284, 355

Journalism: 201

Philosophy: 101, 102, 103, 181, 201, 241, 254

Political Science: 101, 105, 175, 183, 185, 201, 213, 222, 223, 243, 252, 282

Psychology: 201, 202, 205, 206, 210, 280, 281, 507, 530, 560

Sociology: 101, 102, 224, 260, 278, 530

Speech: 250

Natural Science

Anthropology: 105, 201, 205

Astronomy: 100, 200

Bacteriology: 101

Botany: 100, 110, 120, 130, 151, 152, 160, 200, 240, 400

Chemistry: 102, 103, 104, 107, 108, 223, 341, 343, 344, 345, 346

Geology: 100, 101, 102, 145, 443

Geography: 120, 121, 122, 123, 124, 125, 220, 240

Physics: 101, 102, 103, 104, 107, 201, 202, 207, 208

Physiology: 101, 104

Psychology: 225, 285

Zoology: 101, 151, 152, 160, 180, 300, 430

MAJORS

Following is a list of majors available in the College of Letters and Science on the Madison campus. The major is selected at the beginning of the junior year. A booklet entitled **Majors** is published by the College of Letters and Science and will be helpful to you in deciding on a major; the regular bulletin of the College of Letters and Science should also be

PROGRAMS OF STUDY AT THE UNIVERSITY OF WISCONSIN'S FOUR-YEAR DEGREE-GRANTING CAMPUSES

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consulted. Both are available at the student affairs office on your campus.

African Languages and Literature	Ibero-American Studies
American Institutions	Indian Studies
Anthropology	International Relations
Arabic	Italian
Art History	Japanese
Asian Studies	Journalism
Astronomy-Physics	Latin
Bacteriology	Linguistics
Biochemistry	Mathematics
Biological Aspects of Conservation	Medical Microbiology
Botany	Medical Science (Pre-Med)
Chemistry	Meteorology
Chinese	Molecular Biology
Classics	Music
Communicative Disorders	Music-Applied
Comparative Literature	Music-History & Theory
Computational Methods and Statistics	Music-School Music
Computer Sciences	Philosophy
Economics	Physics
English	Polish
French	Political Science
French Area Studies	Portuguese
Geography	Psychology
Geology	Russian
German	Scandinavian Studies
Greek	Social Welfare
Hebrew Studies	Sociology
History	Spanish
History of Culture	Speech
History of Science	Statistics
Humanities	Zoology

SPECIAL LETTERS AND SCIENCE PROGRAMS

The College of Letters and Science offers several special programs. The degree requirements of these programs differ somewhat from the requirements for the general B.A. degree in the College of Letters and

Science. You may begin work at your campus in the special programs described below.

Applied Mathematics and Engineering Physics

This special program gives integrated basic training in related areas of mathematics, physics, and engineering science. It prepares you for entry into the field of industrial research and provides a foundation for graduate work in mathematics, mechanics, physics, and some fields of engineering. A strong high school background in mathematics is essential before entering this program.

During your first two years of college, you should take freshman English, engineering graphics (for Madison only), physics, chemistry, mathematics and foreign language. The foreign language requirement, not as extensive as that for the general B.A. degree, requires a minimum of 8 college credits or two years in high school of German, Russian, French, or Italian. If you plan to do graduate work, you should have a reading knowledge in at least two of these languages.

Chemistry Course

If you are interested in chemistry, you may follow the regular requirements for the B.A. degree with a major in chemistry, or you may enroll in the special chemistry course. The latter offers a broader basic training in chemistry.

The degree requirements for the chemistry course include: (1) a total of 130 credits for graduation; (2) Chemistry 107 taken concurrently with Chemistry 104; (3) Mathematics 223; (4) The equivalent of German 204 or Russian 202; (5) Physics 201 and 202; (6) English 201.

Admission to the junior year requires a grade-point average of 2.5 for the first two years' work in all chemistry, mathematics and physics courses.

If you plan to do graduate work in chemistry, a reading knowledge of a second language (French, German, or Russian) is usually required.

Journalism

This program covers the broad field of mass communications and aims to give you a broad cultural base as well as technical competence in your profession.

In addition to taking basic required courses in news writing, reporting

PROGRAMS OF STUDY AT THE UNIVERSITY OF WISCONSIN'S FOUR-YEAR DEGREE-GRANTING CAMPUSES

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and editing, you may elect work in such fields as magazine writing, advertising, radio and television, public relations, community press, communications media and public opinion, photo journalism, business and industrial publications editing, and the development of the press here and abroad.

On the Madison campus, a total of 124 credits is required for graduation, including 30 credits in journalism and at least 40 of the remainder in social sciences or English. If possible, you should take Journalism 201, 203, and 204 at the Center System campus. You should also complete the following requirements during your freshman and sophomore years: Any three of the following courses or their equivalents, including at least one from each of three departments (one of which must be Economics or Political Science):

Anthropology 100; Economics 101 or 103; Geography 101; Philosophy 101; Political Science 101 or 106; Psychology 201; Sociology 101, 102, or 278. Before or soon after entering the University, you should become a competent typist.

You must be a junior and have a minimum grade-point average of 2.3 in all work carried to enter the School of Journalism on the Madison campus. After admission to the School of Journalism, you must maintain a grade-point average of not less than 2.5 in journalism and advertising classes, and not less than 2.0 in other classes. If you fail to maintain the grade-point requirements, you will be advised to withdraw.

Medical Technology

This special four-year program, leading to the B.S. degree, emphasizes a broad background in the physical and biological sciences. Clinical subjects are taught in the senior year. The course is fully accredited by the Council on Medical Education and Hospitals of the American Medical Association. Upon graduation you are eligible to apply for board certification as medical technologist (ASCP).

Course requirements which should be completed in the first two years include: (1) foreign language—two years of one foreign language in high school or two semesters in college, or a combination; (2) Chemistry 102 or 103, 104, 221, 341, and 342; (3) Freshman English, 6 credits of English literature, and 3 credits of English 201 or 203; (4) Mathematics 101 or 112,

if you had less than 3 years of high school mathematics; (5) one year of physics; (6) Physiology 101 or 104; (7) Zoology 101 and 350 (Zoology 350 is offered during Summer Sessions on the Madison campus).

You must accumulate 90 credits with a grade-point average of 2.3 for admission to the senior year.

Music

The University offers three music programs: (1) the applied music major which prepares you for musical performance and studio teaching; (2) the music history and theory major, which prepares you for specialization in composition and arranging, or in music history and literature; and (3) the music education major, in which you register jointly in the School of Music and the School of Education. This program trains you for teaching music in the schools with emphasis in either the instrumental or vocal field.

Each music program is described fully in the Madison campus catalog. In general, you are expected to be proficient in music before entering the University. If you are majoring in applied music, you must take Freshman English, 6 credits of United States history, and an additional 6 credits in either history or English. If you are majoring in music history and theory, you must take Freshman English and 6 credits in United States history. Both majors require work in foreign language with a minimum of 14 credits or its equivalent in one of these languages—French, German, Italian or Spanish. Music education majors are required to take a minimum of 40 credits in liberal studies to include 12 credits of English, 6 credits of science, 6 credits of social studies and either the intermediate mathematics or intermediate foreign language requirements as stated in Section 1 of the Requirements Work Sheet (p. 73).

The Bachelor of Music degree requires a minimum of 130 credits, an overall grade-point average of 2.0, and a 2.5 average in music courses. The program in music education requires 130 credits and 325 grade points for graduation. A grade-point average of 2.5 is necessary for admission to the School of Education.

Physical Therapy

The four-year special program in physical therapy, fully accredited by

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the Council on Medical Education of the American Medical Association, is administered jointly by the College of Letters and Science and the Medical School.

Academic work is followed by three months of clinical work in approved hospitals under the supervision of the faculty; a certificate is given by the Medical School at its completion. Although no academic credit is given for the work done during the summer months, it is required for completion of the program.

A total of 124 credits is required for graduation. In your first two years you should meet the following course requirements: (1) English—either 12 credits of English, or 6 credits of English and 6 credits of history (either choice must include Freshman English; (2) either (a) foreign language—the equivalent of 14 credits in one foreign language, or (b) 14 credits of social science; (3) psychology—a total of 10 credits (Psych 201 and 507 may be taken at the Center System campus); (4) science—a total of 43 credits, including courses in chemistry, physics, and zoology; (5) speech—6 credits. You are expected to maintain at least a 2.5 overall grade-point average.

College of Agricultural and Life Sciences

The College of Agricultural and Life Sciences offers a bachelor's degree in five broad curriculum options: natural science, agricultural business and industry, social science, agricultural production and technology, and natural resources. Graduation from the College of Agricultural and Life Sciences prepares you for a career in research, business, industry, education, technical and public services, conservation and recreation, communication, and production farming. Nearly 60 different specific majors are available to undergraduates in the College through its 22 instructional departments under the five different curriculum options.

The College of Agricultural and Life Sciences requires at least 124 credits and 248 grade points for a degree. Regardless of the field in which you specialize, you will be expected to meet the following minimum requirements generally within your first two years:

- (1) Introductory course in chemistry
- (2) Economics 101 or 103
- (3) English 101 and 102 unless excused by examination



- (4) A minimum of two to three credits in a written or spoken communication course such as Speech 101, Journalism 203 or English 201.

Details about requirements for major fields under each of the college curriculum options are available upon request from the Office of Resident Instruction, 116 Agricultural Hall, College of Agricultural and Life Sciences, Madison, Wisconsin. Students are encouraged to visit or correspond with this office to determine the most opportune time for transfer in order to complete degree requirements on schedule. Representatives of the College regularly visit Center campuses to consult with students enrolled in Agricultural majors.

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UNDERGRADUATE MAJORS AND PROGRAMS AVAILABLE IN THE COLLEGE OF AGRICULTURAL AND LIFE SCIENCES, MADISON

Curriculum Options					
Department	Natural Science	Production & Technology	Social Science	Business & Industry	Natural Resources
Agricultural Economics		X	X	X	X
Agricultural Engineering*				X	
Agr. & Ext. Education		X	X	X	X
Agricultural Journalism	X		X	X	X
Agronomy	X	X		X	X
Bacteriology	X	X			X
Biochemistry	X				
Dairy Science	X	X		X	
Entomology	X				
Forest Science					X
Food Science	X	X		X	
Genetics	X				
Horticulture	X	X		X	
Landscape Architecture				X	X
Meat & Animal Science	X	X		X	
Nutritional Sciences	X				
Plant Pathology	X				
Poultry Science	X	X		X	
Rural Sociology			X		X
Soils	X	X		X	X
Veterinary Science (A two-year pre-veterinary program and grad. educ.)					
Wildlife Ecology	X				X

*A professional agricultural engineering degree is also offered.

Interdisciplinary majors offered within the College of Agriculture in addition to majors under the curricular options include:

Conservation Major

Agricultural & Naval Science

Recreation Major

Pre-Theology Program

Also available is the Farm and Industry Short Course and a two year Middle Course.

School of Business

The Bachelor of Business Administration (BBA) degree curriculum is based upon a broad liberal arts program combined with courses in business and economics. Students enter the School of Business at the beginning of the junior year. To be eligible, you should have met, in the first two years, the major portion of the following course requirements: (1) Completion of English 102 plus a semester of English, American, Comparative or Contemporary Literature, and at least 2 from English 201, 204, Speech 101 or Business 216 (Business Communication); (2) Mathematics 221 and 222, or Math 107 and a semester of calculus. Prerequisite to these courses are Math 112 and 113 unless waived by placement scores. (3) 8 credits of natural science with at least 4 in laboratory science; (4) Computer Science 132; (5) Business 200 and 201; (6) Economics 103 and 104; (7) 6 credits of humanities in addition to work taken under (1) and 6 credits of social studies in addition to Economics 103 and 104. A grade-point average of at least a 2.3 is required for admission. You may be admitted to the School of Business if you have junior standing and the required grade-point average even though you have not met all the course requirements recommended for entry.

In your last two years, you may choose a major from the following programs leading to a BBA degree: accounting; actuarial science for a career in insurance; finance, investments and banking; international business; marketing, including foreign trade and purchasing; organization and management, including personnel and industrial relations; public utilities and transportation; quantitative analysis including statistics, operations research, and data processing; real estate and urban land economics; risk management for a career in insurance. Special combined programs are

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available in business and engineering; business and law; construction administration; and business and education (teacher preparation).

Please see the 1968-70 School of Business bulletin for a suggested program for the freshman and sophomore years as well as for information concerning the humanities and social studies credits required for the BBA degree, plus detailed course descriptions of the business courses. The curriculum and the above requirements for entrance are effective for students who began their college careers in the summer of 1968 or later. Students enrolled in college before that may follow this new curriculum or the one described in the 1966-68 School of Business bulletin.

School of Education

The School of Education offers a variety of programs. You may choose to teach at the elementary level or to teach such academic subjects as English, history, chemistry or special fields such as art, agriculture, behavioral disabilities, physical education, home economics, journalism, kindergarten, music, speech correction or business. In addition to providing training for elementary and secondary teachers, the School of Education also includes non-teaching programs in applied art, occupational therapy, recreation leadership and dance.

Admission to and graduation from all programs which lead to a teacher's certificate or a degree in occupational therapy require a 2.5 cumulative grade-point average. Within the secondary program certain academic areas (English, history, political science, and foreign languages) require for certification a 2.75 grade-point average in courses taken in that area. Certain nonteaching majors within the School of Education require a 2.0 for admission and graduation. In addition to meeting the grade-point requirements, students going into the elementary program must have attained sophomore standing (24 credits) and those going into the secondary program must have attained junior standing (58 credits). During the freshman and sophomore years those planning to complete the secondary program will generally follow the basic B.A. degree program in the College of Letters and Science. Those preparing to become elementary teachers will follow the modified B.A. sequence as outlined in the elementary section of the School of Education catalog.

As a sophomore at a two-year campus definitely planning to go into

the elementary program at Madison, you may want to choose one or two courses from the following three: Math 115, Art 100, Speech 130 or other creative arts courses as listed on p. 40 of the School of Education catalog.

Students majoring in art or physical education normally take professional courses during their freshman and sophomore years. Please note that some courses applicable to a degree in the School of Education will not count toward degrees in other colleges of the University of Wisconsin-Madison or on other campuses. You will be wise not to select these courses until you are reasonably sure that you want to prepare for teaching and that you will have the necessary grade point required for admission.

All teachers are expected to present evidence of ability to speak well. The School of Education has a proficiency requirement which can be met in one of several ways, typically by enrolling in a speech skills course such as Speech 101, 230 or 232.

The preceding description of School of Education programs is very general and does not include all programs. If you are at all interested in the education program at the Madison campus, please check the School of Education catalog for additional programs and for specific requirements of each program.

College of Engineering

The engineering program provides opportunity for a thorough education in mathematics, the physical sciences, engineering principles, and the application of these fundamentals to problems encountered in engineering practice. After a solid foundation of fundamentals, you may specialize in one of these fields on the Madison campus:

Agricultural Engineering*	Metallurgical Engineering
Civil Engineering	Mining Engineering
Electrical Engineering	Nuclear Engineering
Industrial Engineering	Engineering Mechanics
Mechanical Engineering	

If you wish to specialize in aeronautical engineering, you may begin by following the suggested program for engineering mechanics, or civil, electrical or mechanical engineering, depending upon your particular interest in the field, ie., airframe structures, electrical systems or power

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plants. Combined courses are available in engineering and business or law or medicine or city planning or construction administration. Students interested in combined programs should plan them with their adviser early in their college careers. A Bachelor of Science degree in engineering can be used for admission to Law or Medical School or a graduate program in the School of Business.

As a freshman in engineering, you will complete the freshman English requirement, Chemistry 102 and 104 (except for mechanical and industrial engineers who need only one semester of college chemistry; they may take either Chemistry 102 or 108) and Mathematics 221 and 222. A thorough high school background in mathematics is essential since Mathematics 221 carries the following prerequisites: 2 years of algebra; 1 year of plane geometry; and a year of advanced mathematics. If you do not have sufficient background for Mathematics 221, you may take more elementary courses at the campus, but they will not carry credit toward your degree.

In addition, if you plan to specialize in chemical or nuclear engineering

or engineering mechanics you should take Chemistry 107. If civil, industrial, mechanical or mining engineering or engineering mechanics is your choice, you must take one or two courses in engineering graphics. During your sophomore year you will take Physics 201 and 202 along with mathematics and engineering mechanics courses. Chemical engineers should take organic chemistry instead of mechanics courses.

Every curriculum in the College of Engineering requires at least 15 credits in liberal studies such as anthropology, history, economics, political science, or foreign language. You may take some or all of these courses in your first two years.

Since the requirements, particularly the electives, vary for the different programs in engineering, you should consult the campus adviser to students when planning your complete program.

*Students in this field will register in the College of Agricultural and Life Sciences. The program is administered by that College in cooperation with the College of Engineering.

COOPERATIVE ENGINEERING EDUCATION

Cooperative engineering education is an educational program wherein regular periods of campus study (semesters or summer sessions) are alternated with training periods in a cooperating industry. The student benefits from early and planned experiences in engineering work in industry and also obtains a source of income to help carry him through his schooling. Many companies are supporting this program.

The requirements for participation are:

1. The student must be completing or have completed his freshman year with a satisfactory grade-point average.
2. The selection of students will be made by the participating companies after suitable interviews.
3. The student's continuation in the program would be dependent upon the maintenance of a satisfactory academic and work record.
4. The student's senior year is to be conducted entirely on campus without an intervening work period.

Students who are interested and desire more detailed information should contact the cooperative engineering education program coordinator.

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School of Family Resources and Consumer Sciences (formerly Home Economics)

The School of Family Resources and Consumer Sciences offers many areas of professional specialization. The focus of undergraduate programs may be in scientific, educational, aesthetic, and/or business areas. The degree of specialization varies with the purpose of the professional emphasis.

All programs are related by the common need for understanding the family. Four major areas of family concern are identified to fulfill the purpose of the School for the development of professional workers:

- Physical well-being
- Quality of material environment
- Management of consumer resources
- Development of family potential

Students may choose from the following majors:

Apparel Design	General Education
Child Development & Preschool Teaching	Home Economics Journalism
Family and Consumer Economics	Preschool-Kindergarten Teaching (with certification)
*Foods and Nutrition	Related Art—options in
Dietetics	Costume Art
Foods	Crafts Design
Institution Management	Decorative Art—Museum Curator
Nutrition	Interior Design
Home Economics Education—options in	Textile Design
High School Teaching	General Study
Adult Education	Retailing
Vocational Education	Textiles and Clothing
Education for the Disadvantaged Extension	Textile Science
	General Study

The following courses may be taken in the freshman and sophomore years to meet requirements regardless of the major selected: (1) Freshman English; (2) 6 credits of English literature; (3) Economics 101 or 103; (4) Psychology 201; (5) Sociology 101; (6) Chemistry 102 or 108.

You may also elect additional courses from the humanities, the social sciences, and the natural sciences, the selections being determined by the major you choose. Some majors will require courses in mathematics if you do not have a mathematics proficiency through Mathematics 112 and 113, or higher, depending on the major. In some majors, chemistry requirements are satisfied with high school chemistry.

Since no courses are presently offered by the School of Family Resources and Consumer Sciences at the University Center System campuses, you may wish to transfer to the Madison campus at the end of your freshman year. This will permit a more flexible schedule during the remainder of your college program. If you wish assistance from the UW-Madison in your program planning contact Mrs. Kathryn Beach, 140 Home Economics Building, The University of Wisconsin, Madison, Wisconsin 53706.

*Students wishing foods or nutrition study with a focus on the family, should take the majors by matriculation in the School of Family Resources and Consumer Sciences. Students with a preference for a science emphasis may prefer to take this program through the College of Agricultural and Life Sciences.

School of Nursing

The School of Nursing program on the Madison campus leads to a Bachelor of Science degree in nursing and registration as a professional nurse. The course is four years and two summer sessions in length. The courses which you should take during your first two years of college are listed in the School of Nursing bulletin. All students, whether they begin their college career on the Madison campus or elsewhere, must apply for admission to the last two years of the nursing program. This should be done at the beginning of the sophomore year. Admission is based on qualifications for nursing, educational facilities of the School, and other relevant factors.

Registered nurses who wish to obtain a bachelor's degree will be admitted to the program. Advanced standing for previous work in a diploma or associate degree program may be earned through examination and satisfactory performance in an introductory required nursing course. The

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School of Nursing should be consulted early for program planning.

If you have any questions about the courses you should elect, please consult an academic adviser at your campus, or you may write directly to the School of Nursing, The University of Wisconsin, Madison, Wisconsin 53706.

Occupational Therapy

This four-year program, offered jointly by the Medical School and the School of Education, is followed by a period of 36 weeks of internship in a hospital treatment program. The program qualifies you to evaluate and treat patients, using carefully selected and supervised activities such as manual and creative arts, daily living skills and recreational or industrial activities.

During your freshman and sophomore years, you will take the following courses: (1) Freshman English and 6 credits of literature; (2) Zoology 101; (3) Sociology 101; (4) Speech 105; (5) Art 131 and 132; (6) Physiology 104; (7) Psychology 201; (8) Chemistry 102 or Physics 105.

Please check the Occupational Therapy bulletin for additional courses which may be taken in the first two years.

To continue beyond the sophomore year, you must earn a grade of "C" or better in Occupational Therapy 221, Preclinical Practice, and have an overall grade-point average of 2.5 or better.

School of Pharmacy

The pharmacy program furnishes a scientific foundation for the pursuit of the profession of pharmacy in all its branches. It prepares you not only to operate a drugstore, but also to be a hospital pharmacist, do pharmaceutical research, or enter some branch of the government service.

The University's pharmacy program offers the bachelor's degree after completion of five years of work—two years of pre-pharmacy and three years in the School of Pharmacy.

You should take the following courses during your freshman and sophomore years: (1) Freshman English; (2) Chemistry 102, 104, 343, 344, 345; (3) Math through 113; (4) Physics 105 and 106, or another year course in physics; (5) Botany 130 and Zoology 101; (6) Economics 103; and (7) electives to total 60 credits.

Programs for Seniors or Graduates

The following programs at The University of Wisconsin-Madison are offered at the senior, or graduate level.

LAW

You may apply for admission to Law School after completing three years of college or after earning a bachelor's degree. The latter plan gives you the benefit of a broader general background. This initial degree can be in any field. To enter Law School with a bachelor's degree, you must have earned a grade-point average of 2.5. If you wish to enter after completing three years of work in Letters and Science, Commerce, or Engineering, you must have a 2.75 grade-point average. All applicants must complete the Law School Admissions Test of the Educational Testing Service, Princeton, New Jersey.

LIBRARY SCIENCE

The Library School offers a professional program in librarianship in the Graduate School plus certain undergraduate subjects to meet pre-professional requirements for the graduate program and to satisfy certain minimum certification requirements for public school libraries in Wisconsin.

To enter Library School, you should present a bachelor's degree in one of the general undergraduate programs with preprofessional courses in library science elected during your junior and senior years.

You can find further information in the bulletins of the Library School, the College of Letters and Science, the School of Education, and the Graduate School.

MEDICINE

Prior to entry into Medical School, you will normally follow the program for the BA or BS degree in the College of Letters and Science. At The University of Wisconsin, pre-medicine is neither a major nor a classification; it is an intention. This means that you take the special preparatory courses for medical school as a part of your major and general degree requirements. A very few students are accepted by medical schools after

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three years as undergraduates, but the safe thing is to plan on a regular major and a bachelor's degree.

Requirements for admission to the Medical School include the following:

(1) Chemistry 102 and 104, 223, 343, 344. Chemistry 345 is also suggested.

(2) Physics 105 and 106.

(3) Zoology 101 and an advanced course chosen from Zoology 430, 450, 560 or 601-602.

(4) Mathematics—one course.

Medical schools other than The University of Wisconsin may require a course in calculus, a second advanced biology course, or a chemistry course in quantitative analysis.

Applicants to medical schools should take the Medical College Admission Test. The UW Medical School bulletin will tell you when and where the test is given.

Armed Forces Reserve Officer Programs

A two-year Reserve Officers' Training Corps (ROTC) program is offered to students, particularly transfer students, at the beginning of their junior year. If you qualify for this program, you may obtain a commission in the U.S. Army, Navy, Marine Corps or Air Force by participating for two years on campus provided you attend a basic summer camp or cruise in the summer after your sophomore year.

A ROTC program is conducted on the Madison campus by each of the services and on the Milwaukee campus by the Army. These programs prepare you to enter into the military service of your choice in a leadership capacity as a commissioned officer.

To qualify for enrollment in the two-year program, you must:

1. Apply no later than March 1 of your sophomore year to a college or university offering such a program.
2. Apply for admission to the ROTC program.
3. Satisfactorily complete written aptitude examinations.
4. Satisfactorily pass the medical examination.
5. Be interviewed and recommended by an officer of the service of the ROTC in which enrollment is desired.
6. Attend a basic summer camp. (Information as to time and place will

be given by the officer conducting the interview mentioned in (5) above.)

Advantages you will gain by participating in ROTC:

(1) Development of qualities of leadership (organizing, motivating and leading others).

(2) Pay of \$50 per month for twenty months of the two years in the on-campus ROTC program (\$1000) and additional pay for the summer camp(s) training.

Upon entering the advanced ROTC program you must agree to complete the two-year course of study, accept a commission, and serve on active duty for the period required by the service of your choice (Army, two years; Navy, three years; and Air Force, four years) followed by the number of years in the ready and standby reserve forces to complete six years total service.

Reserve Officer Training Corps graduates desiring to earn graduate degrees currently may be deferred from active duty following commissioning until the work required for the degree is completed.

Further details about the ROTC programs may be obtained from the departments of military science, naval science, or Air Force aerospace studies at The University of Wisconsin, Madison.

Junior Year Abroad Programs

As a UW Center System student, you are eligible to participate in junior year abroad programs in France, Germany, India, Mexico, and England. (Future programs in other countries are also being considered.) The French program at the University of Aix-Marseille and the German program at the University of Freiburg are open to all students; the Mexican program at the Institute of Technology in Monterrey is open only to engineering students. The Indian program at New Delhi, Hyderabad and Varanasi is offered to serious students of India from all over the country. The English program is an exchange of undergraduate history majors. Wisconsin students will spend one semester at The University of Warwick and an equal number of British students will take their places at Wisconsin.

Although applications are accepted in mid-winter of the sophomore year for the following junior year, Center System freshmen are encouraged to contact the Office of International Studies and Programs to discuss

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their eligibility and courses which may be helpful. Basic language skills are best acquired at the high school level so that college years may be devoted to perfecting accents and fluency, and gaining additional cultural knowledge. Because competition for the limited number of openings grows keener each year, students with the most preparation and highest overall academic records will receive the greatest consideration.

Essential costs of a junior year abroad do not greatly exceed those of an academic year at Wisconsin. Students in the programs will be eligible to receive the same scholarships or loans normally available. In addition, a limited number of special scholarships are available.

Center students accepted for the program must complete an application for transfer to the Madison campus. All students in the program register and pay fees on the Madison campus.

Additional information on these programs may be obtained from the Office of International Studies and Programs, 6239 Social Science, The University of Wisconsin, Madison, Wisconsin 53706.



MILWAUKEE

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Letters and Science

The College of Letters and Science on the Milwaukee campus offers you an opportunity to obtain a well-rounded education in the liberal arts, and to major in a specific subject. Requirements for the Bachelor of Arts degree are shown on the Requirements Work Sheet. You should try to meet most of the requirements under 1, 2 and 3 during your freshman and sophomore years. The degree requirements differ in some respects from the requirements on the Madison campus.

You may receive a Bachelor of Science degree rather than a Bachelor of Arts degree by following the B.A. degree requirements and earning 60 or more college credits in mathematics and natural science. A minimum of one year of calculus in college is required for the B.S. degree.

Requirements Work Sheet for Letters and Science Degree B.A. General Degree (Optional B.S. General Degree)

	(1)*	(2)*	(3)*
1. A., B., and C.			
A. Proficiency in English: English 101 and 102 or possible exemption	----	----	----
B. Mathematics:			
Three years high school mathematics (algebra, geometry, and trigonometry); or	----	----	----
Two years high school mathematics (algebra and geometry) and one semester college algebra (Mathematics 112); or	----	----	----
Two years high school mathematics (algebra and geometry) and one semester basic mathematics (Mathematics 108); or	----	----	----
Two years high school mathematics (algebra and geometry) and one semester college logic (Philosophy 211)	----	----	----
C. Foreign Language:			
14 credits in one foreign language; or	----	----	----

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16 credits in two foreign languages (only when two years of high school Latin are offered in partial satisfaction)
Total (A., B., and C.) may not be satisfied with more than 14 degree credits.

2. Either A. or B.

A. Foreign Language: 6 credits numbered above 220 in one, or a total of 24 credits in two foreign languages, including foreign language credits used for 1-C above. When two languages are presented, at least 14 credits must be in one language and at least 8 credits in the second language.

Language:; credits from 1-C above.....;

Additional credits

Language:; credits from 1-C above.....;

Additional credits

B. Mathematics: Two courses at or above the 200 level e.g., Mathematics 221 and 222

3. A., B., and C.

A. Humanities: 12 credits

Must include 6 credits of any combination of sophomore level English or American literature courses, comparative literature 107 and 108, and literature courses beyond the intermediate level in foreign languages.

Not more than 6 credits of sophomore level English or American literature may be counted toward the 12 credits humanities requirements.

Humanities courses:

B. Social Sciences: 15 credits including 6 in history
Social Science courses:

C. Natural Sciences: 15 credits including two semesters of laboratory science
Natural Science courses:

4. Major Study: Credits for 1, 2, and 3 may also apply toward the major but each degree credit counts only once toward total degree credits.
Credits from above; other major courses;
5. Electives: All degree credits not listed above
Total Degree Credits: 120 (including not more than 14 from 1 above)
- *(1) First Column: enter work in high school or results of attainment examinations.
*(2) Second Column: enter college credits already earned.
*(3) Third Column: enter college credits to be completed.

Explanatory Notes for Requirements Work Sheet

1. You can meet requirements in section 1 in whole or in part by high school courses, by attainment examinations, or both. Precollege achievement which satisfies requirements in this section will enable you to substitute courses of your own choice for the course requirements in this section, but will not reduce the total number of credits required for the degree. If you take little or no foreign language or mathematics before college, you will need more than 120 credits to graduate. For example, you could take 6 credits of English, 2 credits of mathematics, and 14 credits of foreign language in college to meet the requirements of this section. Only 14 of these 22 credits, however, would count toward the total of 120 required credits.

2. You are required to elect English composition (6 credits), unless partially exempt, in your freshman year, and you should meet the mathematics—logic requirements and 6 to 8 credits of the foreign language requirement by the end of your sophomore year.

3. Foreign language credits in 1-C and 2-A may include both high school and college work. One unit (one year) of high school foreign language is equivalent to 4 course credits. You may also meet these requirements by attainment examinations.

If as a result of a placement examination or the recommendation of the department, you are asked to repeat a foreign language course, you may receive credit only for the course immediately below the expected level

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of placement.

4. In section 2 you are required to continue with either foreign language or mathematics, previous achievement in either determining the additional credits required.

5. Not more than 10 credits from any one department may be counted in section 3. No course can be counted toward more than one sub-group. Courses acceptable toward satisfaction of the requirements in section 3 are identified as humanities, social science, or natural science.

The following distribution shows some of the courses offered at the Center System campuses which fall into the areas of humanities, social science, and natural science at UW-Milwaukee. The two Colleges of Letters and Science (Madison and Milwaukee) differ in categorizing these courses. Please see the Milwaukee campus timetable for a complete listing of courses which are acceptable in these categories.

Humanities

Comparative Lit: 107, 108

English: All courses in English listed in this catalog except 101, 102, 201, 203

French: 221, 222

German: 221, 222

History: 111, 112

Philosophy: 253, 520

Spanish: 221, 222

Speech: 130

Social Science

Anthropology: All courses except 201

Economics: 101, 103, 104, 330

Geography: 110, 115, 514

History: 115, 119, 120, 201, 202, 255, 355

Philosophy: 101, 102, 103, 241

Political Science: All courses

Psychology: 201, 202, 205, 507, 530, 560

Sociology: All courses

Speech: 160

Natural Science

Anthropology: 105

Astronomy: 100, 200

Bacteriology: 101

Biochemistry: All courses

Botany: All courses

Geography: 120, 123, 124

Geology: All courses

Mathematics: All courses except 107 and 115

Philosophy: 211

Chemistry: All courses

Physics: All courses

Zoology: All courses

MAJORS

The following is a listing of majors in the College of Letters and Science on the Milwaukee campus. Some majors which are offered in the College of Letters and Science at Madison are offered in other schools or colleges at Milwaukee; as just one example, a music major is in the School of Fine Arts at Milwaukee.

Anthropology	Greek
Art History	Hebrew Studies
Biological Aspects of Conservation	History
Botany	International Relations
Chemistry	Italian
Communication	Journalism
Speech Communication and	Latin
Public Address	Linguistics
Speech Pathology and Audiology	Mathematics
Radio and Television	Philosophy
Comparative Literature	Physics
Economics	Political Science
English	Psychology
French	Russian
Geography	Sociology
Geology	Spanish
German	Zoology

SPECIAL LETTERS AND SCIENCE PROGRAMSApplied Mathematics and Physics

This course is identical in purpose with the course offered on the Madison campus. The degree requirements differ slightly in that 6 credits are required in history and no engineering graphics course is required.

Chemistry Course

The purpose of this course is to give students a strong professional

PROGRAMS OF STUDY AT THE UNIVERSITY OF WISCONSIN'S FOUR-YEAR DEGREE-GRANTING CAMPUSES

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training in chemistry.

This course differs from the major in chemistry in that German through 204 is required and by allowing more credits in chemistry to be counted toward graduation.

Admission to the junior year requires a 2.5 grade-point average for all chemistry, mathematics and physics courses.

Medical Technology

This four year course leading to a bachelor's degree satisfies the requirements for admission to the examination given by the Board of Registry of Medical Technologists. Admission to the fourth year of study requires 90 credits with a grade-point average of 2.0. Application for the course is made before the second semester of the junior year. During your first three years, you must take freshman English, 6 credits of literature, 16 credits in chemistry and 16 in biology plus satisfying the foreign language requirement of the equivalent of 1 year in college in one language, 6 credits of history and either 3 years of high school mathematics or 4 credits of college mathematics.

College of Applied Science and Engineering

The College of Applied Science and Engineering at The University of Wisconsin-Milwaukee offers a four-year program leading to the B.S. degree with professional options in electrical science, energy conversion, engineering mechanics, engineering science, industrial & operations science, materials science, mechanical design, and structural engineering. The engineering science option can be arranged to cover special fields of interest such as computer science, chemical engineering, transportation engineering, etc. The program is planned to provide the student with:

1. Sound training in the basic sciences of mathematics, physics and chemistry.
2. A well organized common core of engineering science courses.
3. Integration of social and technological concepts.
4. An introduction to engineering design concepts that will serve to prepare the student for a specific field or will pave the way for further study and specialization through a graduate program.

The first two years of the program, most or all of which can be completed at The University of Wisconsin Center System campuses, are built around a common core of basic sciences with some required social study and humanities electives to add perspective. Portions of the sophomore year, as well as the junior year, emphasize a common core of fundamental applied engineering science courses. The last half of the junior year and the senior year permit a degree of specialization in one of the engineering option areas listed above.

A suggested curriculum sheet is available to assist students taking their freshman and sophomore work at the UW Center System campuses and planning to transfer to UWM.

For further information consult the current bulletin of the UWM College of Applied Science and Engineering.

COOPERATIVE ENGINEERING EDUCATION

Cooperative engineering education is an educational program wherein regular periods of campus study (semesters or summer sessions) are alternated with training periods in a cooperating industry. The student benefits from early and planned experiences in engineering work in industry and also obtains a source of income to help carry him through his schooling. Many companies are supporting this program.

The requirements for participation are:

1. The student must be completing or have completed his freshman year with a satisfactory grade-point average.
2. The selection of students will be made by the participating companies after suitable interviews.
3. The student's continuation in the program would be dependent upon the maintenance of a satisfactory academic and work record.
4. The student's senior year is to be conducted entirely on campus without an intervening work period.

Students who are interested and desire more detailed information should contact the cooperative engineering education program coordinator.

School of Architecture

The School of Architecture is newly established at UW-Milwaukee, and

PROGRAMS OF STUDY AT THE UNIVERSITY OF WISCONSIN'S FOUR-YEAR DEGREE-GRANTING CAMPUSES

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admitted the first students to the junior year in the fall of 1969. The professional program is six years in length and leads to a degree of Master of Architecture. Students who complete the first four years of the curriculum will receive a degree of Bachelor of Science in Architectural Studies.

Students admitted to the junior year will be expected to have completed 58 credits of work with a cumulative grade-point average of 2.0. It is suggested that students in the program include in those 58 credits Mathematics 221 and 222, a course in probability or statistics, a course in computer science, Freshman English and English 201, Philosophy 211 and a semester of history. The remaining credits should include approximately equal distribution in the areas of natural science, humanities and fine arts, and social studies.

School of Business Administration

A program leading to a BBA degree is offered at Milwaukee with professional options available in the following areas: accounting, finance, industrial relations, marketing, production management, quantitative analysis, real estate and urban development, and special options for specific needs of students.

For admission to the School of Business Administration at UWM, it will be necessary to have junior standing (a minimum of 58 credits) and a grade-point average of at least 2.0 on all work attempted. If you plan to work toward a degree in business administration at UWM, it is suggested that during your freshman and sophomore years at a Center System campus, you try to complete as much of the following as possible:

1. Completion of the freshman English requirement;
2. 12 credits in humanities and fine arts;
3. 12 credits in social sciences, at least 6 credits of which should be in anthropology, sociology, or psychology;
4. Economics 103 and 104;
5. 6 credits in a physical or natural science — astronomy, botany, chemistry, geography, geology, physics or zoology.

It is recommended that you refer to the catalog of the UWM School of Business Administration for the specific requirements leading to the BBA degree. Particular attention is directed to the mathematics and account-

ing course requirements, part of which may be completed at your local campus.

The course Business 200, Introductory Accounting, is recommended for all business students and Business 201, Intermediate Accounting, is recommended for those planning to elect the accounting option at UWM and as an elective for others. If you have adequate mathematics preparation, you are encouraged to elect Mathematics 221 and 222 in the Center System in satisfaction of the UWM business mathematics requirement.

It is expected that on completion of sophomore work at the freshman-sophomore campus, you will be admissable directly to the UWM School of Business Administration.



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School of Education

The School of Education, Milwaukee, offers curricula for the preparation of teachers and administrators and of students specializing in allied fields. There is a range of different study programs, depending upon which field is chosen for specialization.

ART EDUCATION

A curriculum leading to the B.S. degree and certification for teachers and supervisors of art is offered. (Students also may choose to receive the Bachelor of Fine Arts degree and enroll in the School of Fine Arts.)

BUSINESS TEACHER EDUCATION

In cooperation with the UWM School of Business and the Madison Schools of Education and Business, students may take all of the work in the Business Teacher Education curriculum on the Milwaukee campus except the sixth and seventh semesters, which must be completed on the Madison campus.

ELEMENTARY EDUCATION

Two undergraduate curricula are offered for the preparation of elementary school teachers leading to the B.S. degree: (1) a curriculum to prepare teachers for nursery, kindergarten, and primary grades (one, two, and three); (2) a curriculum to prepare teachers for grades one through six.

EXCEPTIONAL EDUCATION

The department of exceptional education offers three undergraduate curricula for training teachers of children who so deviate from the average as to require special educational procedures which cannot be carried out in regular classrooms. The curricula lead to the B.S. degree and satisfy the state certification requirements for teaching in the special fields of: (1) education of the deaf and hard of hearing, (2) education of the mentally retarded, and (3) speech pathology and audiology.

JUNIOR HIGH SCHOOL EDUCATION

A curriculum leading to the B.S. degree for those interested in preparation for teaching at the junior high school level is offered. Principal teaching areas are language arts, social studies, mathematics and science, although other fields are available.

LIBRARY SCIENCE

An 18-credit minor in library science is offered to prepare students for teacher-librarian positions and to meet the licensing requirements of the state of Wisconsin.

MUSIC EDUCATION

A curriculum leading to the B.S. degree and certification for teachers and supervisors of music is offered. (Students also may choose to receive the Bachelor of Fine Arts degree and enroll in the School of Fine Arts.)

PHYSICAL EDUCATION

Students interested in the area of physical education are able to initiate study toward either a major or minor. The four-year program for majors in physical education provides an opportunity for men and women to qualify for certification as instructors or supervisors in the field of physical education at both the elementary and secondary levels.

Students wishing to minor in physical education must be enrolled in a teacher preparation program other than physical education. Students with a minor in physical education should note that certification to teach is given only for a period of seven years; should they wish to remain in the field of physical education they must complete a major.

RECREATION MAJOR

This major is offered to students interested in becoming part of this growing and necessary public service. Recreation majors should also complete a major in another teacher program and qualify for certification to teach.

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SECONDARY EDUCATION

This program leads to the B.S. degree and certification to teach most of the usual high school subjects, with the option of choosing a major teaching field and a minor teaching field or one broad field area.

THEATRE ARTS

A curriculum leading to the B.S. degree and certification is offered. (Students may also choose to receive the Bachelor of Fine Arts degree and enroll in the School of Fine Arts.)

School of Fine Arts

The School of Fine Arts, composed of the departments of art, dance, music, and theatre arts offers four-year programs leading to the degree of Bachelor of Fine Arts. In addition to specialization in any of the four departments, the School of Fine Arts offers a degree in inter-arts. The inter-arts degree requires that courses be taken in your choice of three out of the four departments. Courses in creative writing are also offered in the School of Fine Arts.

The four departments of the School of Fine Arts offer the following degree programs:

ART

Majors in: art education, painting, sculpture, graphics, art metal, ceramics, weaving, and advertising design.

DANCE

Majors in: professional dance and dance notation.

MUSIC

Majors in: piano or organ, voice, instrumental, theory and composition, music history, music therapy, music education (vocal, instrumental, or combination).

THEATRE ARTS

Majors in: acting and directing; design and technical theatre; history,

literature, and criticism; playwriting and directing; theatre arts education.

Teaching programs in art, music, and theatre arts are arranged in co-operation with the School of Education. You need a 2.5 cumulative grade-point average and 58 earned credits to be admitted to a certification program or the School of Education. In the education programs, you have a degree option: you may choose to receive a Bachelor of Fine Arts degree with certification from the School of Education; or a Bachelor of Science degree in Education from the School of Education.

The School of Fine Arts requires 130 credits for graduation with the Bachelor of Fine Arts degree. Of the 130 credits, 45-50 must be taken in the basic core curriculum of academic studies. The required courses are: (1) English through 102; and (2) 27 credits from courses in the humanities, social sciences, science or mathematics. Nine credits are generally required in each group area.

The School of Fine Arts offers 12 credits in the basic core curriculum. The Arts and Mankind, a course that is 3 credits per semester, is taken in the freshman year. The Arts: Theory and Criticism, 3 credits per semester, is taken in the senior year.

For students going into any of the teaching programs, 3 credits in speech is required plus 6 credits in United States history. This total of 9 credits fulfills the required course in the social science area.

School of Nursing

The baccalaureate program is designed for high school graduates, college students and graduates of diploma and associate degree programs in nursing.

Students are admitted to the program at the beginning of the junior year with application made at the beginning of the sophomore year. A complete sequence of courses can be found in the UWM bulletin of the School of Nursing.

School of Social Welfare

The School of Social Welfare offers a bachelor's degree for those students interested in a liberal education as well as the professional study of social work.

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You may apply for admission to the program after you have completed 58 credits. The general degree requirements to be followed differ from the general BA degree requirements at the Milwaukee campus. You will be expected to complete the BA requirements as shown in Section 1 of the Milwaukee work sheet, and section 3A of that same work sheet but you will not be expected to complete the other requirements shown on the work sheet. You will be asked to present 10 credits in natural science including two semesters of laboratory science, and either a continuous year course in history (History 201 and 202) or a semester of U. S. History plus another course such as Economics 103, Political Science 101 or 105, or Sociology 278.

The requirements of the major include a minimum of 20 credits in social welfare plus 30 credits in other social sciences; 15 of the 30 credits must be in one social science field and the other 15 in at least two other social sciences. For this purpose, social sciences includes economics, political science, sociology, psychology and anthropology.

THE UNIVERSITY OF WISCONSIN-GREEN BAY

The approach at The University of Wisconsin-Green Bay is that of ecology, or the study of man in relation to his environment. This ecological approach maintains that man and his environment cannot be properly studied apart from each other. It is an approach to learning that every day becomes more urgent, as crises of the environment crowd in from every side. The crises appear in now-familiar forms: decaying cities, racial conflict, hot and cold wars, pollution of air and water, diminishing supplies of food and natural resources in the face of exploding population. These are the crises demanding attention from responsible people who are educated to cope with them.

The University comprises four theme colleges—Environmental Sciences, Community Sciences, Human Biology, and Creative Communication—and a School of Professional Studies which complements the offerings of the theme colleges.

A student selects an environmental problem (**concentration**) on which to focus. He may also pick an **option**, which is a disciplinary emphasis related to his field of concentration. For example, a concentration in urban analysis might be accompanied by an option in political science,

anthropology, or history.

Some applications of the concentrations and options require additional particular competence. To meet this need, a student may select a collateral in the School of Professional Studies which supplements his liberal arts major and provides him with a professional-specialist orientation. Or he may choose a preprofessional program to prepare him for entrance into a professional school after two, three, or four years at The University of Wisconsin-Green Bay.

The University of Wisconsin-Green Bay is a single, multi-campus university with the main campus at Green Bay and two-year campuses at Manitowoc, Marinette and Menasha (Fox Valley). It is headed by a chancellor and its colleges and schools are headed by deans.

For more specific information, write the Office of Admissions, The University of Wisconsin-Green Bay, Green Bay, Wisconsin 54302.



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THE UNIVERSITY OF WISCONSIN-GREEN BAY ACADEMIC PROGRAM

Concentrations

Environmental Control	
Ecosystem Analysis	COLLEGE OF ENVIRONMENTAL SCIENCES
Regional Analysis	
Urban Analysis	
Modernization Processes	COLLEGE OF COMMUNITY SCIENCES
Human Development	
Human Adaptability	
Population Dynamics	COLLEGE OF HUMAN BIOLOGY
Analysis-Synthesis	
Communication-Action	COLLEGE OF CREATIVE COMMUNICATION

Options:

Anthropology
 Biology (biochemistry, microbiology, physiology, zoology, botany, entomology)
 Business Administration
 Chemistry
 Communication Sciences
 Earth Sciences (geology, physical geography, soil science)
 Economics
 Geography
 History
 Literature and Language (literature and creative use of language in English, French, German and Spanish)
 Mathematics
 Performing Arts (music, drama and dance)
 Philosophy
 Physics
 Political Science
 Psychology
 Public Administration
 Sociology
 Visual Arts

Professional Applications:

Professional Collaterals

Education (leading to teacher certification at elementary and secondary levels)

Business Administration

Public Administration

Mass Communication

Recreation Resource Management

Social Services

Pre Professional Programs

Nursing

Engineering

Law

Medicine

Dentistry

Other preprofessional programs are also available.

THE UNIVERSITY OF WISCONSIN-PARKSIDE

The University of Wisconsin-Parkside is a new, four-year, degree-granting unit of the University located on a rolling 700-acre site of woodland and prairie midway between Kenosha and Racine in industrial, urban southeastern Wisconsin.

Parkside has two major academic units: The College of Science and Society, which offers both a broad range of liberal arts and teacher training programs, and The School of Modern Industry, which offers programs relating directly to the industrial, social and economic structure of the area. The College of Science and Society consists of divisions of science, social science, humanistic studies and education. The School of Modern Industry includes divisions of engineering science, management science and labor economics.

Students may elect broad field majors (such as earth science or life science) representing a combination of academic disciplines as well as traditional single-discipline majors.

Instructional flexibility and innovation, especially appropriate to a new

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university, are accented at Parkside through early and continuous counseling, self-pacing provisions and special opportunities for work experience for credit in the student's major field.

With approval of the appropriate division, Parkside will accept for transfer a maximum of 90 credits from any accredited college or university; 72 credits from two-year campuses of The University of Wisconsin or Wisconsin State Universities; and up to one-half the credits required for a specific UWP degree from other two-year institutions.



MAJORS IN THE COLLEGE OF SCIENCE AND SOCIETY

Division of Science

Chemistry
B.S., 30 cr.
Earth Science
B.S., 40 cr.
Life Science
B.S., 40 cr.
Mathematics
B.S., 30 cr.
Physics
B.S., 30 cr.
Psychology
B.S., 30 cr.

Division of Social Science

Comparative Modern
Industrial Societies
B.A., 40 cr.
Economics
B.A., 30 cr.
Geography
B.A., 30 cr.
History
B.A., 30 cr.
Contemporary
American Society
B.A., 40 cr.
Political Science
B.A., 30 cr.
Sociology
B.A., 30 cr.

Division of Humanistic Studies

Art
B.A., 30 cr.
Communications
B.A., 40 cr.
English
B.A., 30 cr.
French
B.A., 30 cr.
German
B.A., 30 cr.
Music
B.A., 30 cr.
Philosophy
B.A., 30 cr.
Spanish
B.A., 30 cr.

MAJORS IN THE SCHOOL OF MODERN INDUSTRY

Division of Engineering Science

Applied Science
and Technology
B.S., 54 cr.

Division of Management Science

Business Management
B.S., 40 cr.

Teacher Certification Programs

Elementary Certification
Secondary Certification

Division of Labor Economics

Labor Economics
B.S., 40 cr.





COURSE OFFERINGS AT THE CENTER SYSTEM FRESHMAN-SOPHOMORE CAMPUSES

On the following pages, you will find a list of courses offered at the Center System campuses. Each course is not given at each campus each semester. You may obtain an individual listing of current offerings from the campus you plan to attend.

(The number on the same line as the department headings, such as Anthropology, Art, etc. is called the "departmental number" and serves as a code number for the department or field of study listed.)

FRESHMAN-SOPHOMORE COURSE OFFERINGS AT THE CENTER SYSTEM CAMPUSES

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SURVEY OF AGRICULTURE 128

100. Survey of Agriculture 2 credits

Current trends, problems, and opportunities in agricultural and life sciences; the impact of scientific developments; future challenges; required of all entering freshmen in the College of Agricultural and Life Sciences and all students transferring with less than 55 credits.

AGRONOMY 132

100. Principles and Practices in Crop Production 4 credits

Survey of plant science and applications to agronomic practice.

ANTHROPOLOGY* 156

Anthropology is characterized by a comparative point of view, a focus on man in all his variation and similarity, and the verifiable conviction that history, biological endowment, environmental situation, way of life, and language are all related in discoverable patterns.

Anthropology includes archaeology—the investigation and analysis of remains of past cultures, through excavation; physical anthropology—the study of the origin and evolution of the biological characteristics of man and the genetic diversity of contemporary races; cultural anthropology or ethnology—a study of the development and functioning of cultures, social systems, institutions, customs, and arts, and the relation of these to human mentality and psychological needs; and linguistics—the analysis of varieties of human speech and the relationships between them.

100. General Anthropology 3 credits

A course planned to give the student a general understanding of man in relation to the cultures he has built. Deals with man's evolutionary development, his capacities for society, and the development of the world's major cultures. Open to freshmen. May not be taken by those who have taken ILS 121.

200. Cultural Anthropology 3 credits

Variations of human cultures throughout the world and the comparative study of human institutions. Prerequisite: Anthropology 100 or Anthropology 105 or sophomore standing.

204. Survey of World Ethnography 3 credits

Ethnographic survey of representative primitive peoples and their cultures in recent times; major regions of the world considered in turn, with some attention to environmental factors and culture area classifications. Prerequisite: sophomore standing.

*Anthropology staff members at the various campuses may offer additional courses in their areas of special competence. These courses will carry the same course number and content as the courses offered on the Madison campus and listed in the catalog of the College of Letters and Science, Madison.

ART 168

The art courses serve three basic purposes:

1. They afford intensive training in small classes under the direction of mature and competent practicing artists, in a stimulating environment, to professional majors in this discipline. Majors will be able to complete, at most Center System campuses, the first two years of their major requirements (34 credits).
2. They bring to students having to fulfill basic art requirements in other disciplines (elementary education, occupational therapy, recreation, etc.) a valid and creative art environmental experience.
3. They afford a needed opportunity to students in all disciplines to experience our culture, an experience so necessary for successful existence in today's world.

Art majors **must** enroll, preferably in the freshman year, in all courses marked below with an asterisk. Any deviation from this must be made in consultation with the faculty of the art department.

Art majors **must** enroll, for a total of 18 credits during their sophomore year, in any of the courses numbered above 132. Any deviation from this must be made in consultation with the faculty of the art department.

The following courses are open to Letters and Science students in the same way as regular Letters and Science subjects. Freshmen may elect Art 101, 102, 121, 122, 131 and 132; others may elect advanced courses if departmental prerequisites are met. (No more than 10 credits

FRESHMAN-SOPHOMORE COURSE OFFERINGS AT THE CENTER SYSTEM CAMPUSES

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in art may be applied to a degree in Letters and Science.) ART 100, 104, AND 106 WILL NOT COUNT TOWARD A DEGREE IN LETTERS AND SCIENCE.

For elementary education majors Art 100 will satisfy the art requirement. Elementary education majors intending to concentrate in art education as a field of specialization will want to use the following to satisfy this requirement: Art 101 or 131; 121 or 122; 151; 221 or 531.

100. Design and Drawing 2 credits

A broad course in the elementary principles of design in the space arts. Applications are made in the basic craft materials, drawing and printing media. It is a laboratory-lecture course that meets four hours per week. IT WILL NOT APPLY FOR A MAJOR OR A MINOR IN ART AND ART EDUCATION. Majors and minors in that field should take the 101-102 and 131-132 sequence instead. It will satisfy the art requirement for elementary education majors.

***101. Basic Drawing I 3 credits**

This course embraces basic linear perspective with an introduction to aerial perspective (light and shade). Emphasis is on the qualities of line, texture, and volume for its expressive qualities. Work is done from the actual object and the human figure. This course will substitute for Drawing and Painting 106 in the elementary education curriculum at UW-Milwaukee. The course meets for six hours per week as a workshop. Open to freshmen.

***102. Basic Drawing II 3 credits**

This course continues the study of aerial perspective as applied to more complex objects and pictorial situations. There is a thorough exploration of many drawing media. This course meets six hours a week in a workshop. It will satisfy the art portion of the creative arts requirement in the elementary education curriculum. Prerequisite: Art 101. Open to freshmen.

104. Contemporary Arts 2 credits

A study of painting, sculpture, architecture and the related arts.

Emphasis is given to design and composition and the analysis of representative works of art. IT WILL NOT APPLY FOR A MAJOR OR MINOR IN ART OR ART EDUCATION. No prerequisite.

106. Drawing and Painting 2 credits

Elements of drawing and painting. Use of various drawing and painting media. IT WILL NOT APPLY FOR A MAJOR OR MINOR IN ART OR ART EDUCATION. Prerequisite: Art 100.

***121. Art Survey I 2-3 credits**

A lecture and discussion course covering the more expressive contemporary visual arts (painting, sculpture, graphic arts and popular arts) from the standpoint of the creative artist. There is a special emphasis on the interpretations that the creative artist makes of the sociological concepts of his time.

Basic aesthetic principles are also stressed. This course may be substituted for Art 104 in the elementary education curriculum at UW-Milwaukee. A field trip is a required part of the course. Open to freshmen.

***122. Art Survey II 2-3 credits**

A lecture-discussion course covering the functional contemporary visual arts, community planning and architecture, interior design, product development, and communication design with special emphasis on the study of these arts in relation to the creative artist and his time. Basic aesthetic and technological concepts are stressed. A field trip is a required part of the course. Open to freshmen.

***131. Creative Design I 3 credits**

This is a lecture-laboratory course that meets six hours per week. It deals with the basic elements of design in materials. This course will satisfy the art portion of the creative arts requirement in the elementary education course. Open to freshmen.

***132. Creative Design II 3 credits**

This is a lecture-laboratory course that meets six hours per week. It gives the student the basic elements of design as applied to three-

FRESHMAN-SOPHOMORE COURSE OFFERINGS AT THE CENTER SYSTEM CAMPUSES

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dimensional materials. This course will satisfy the art portion of the creative art requirement in the elementary education course. Open to freshmen.

151. Introduction to Painting 3 credits

A lecture-laboratory course that meets six hours per week. Introduces the basic painting media—oil, water color, casein, etc. Prerequisite: Art 102.

161. Life Drawing and Anatomy I 3 credits

A study of the human figure as a basic skill for all art expression. Investigations are made into fundamental bone and muscle structures as they apply to the visual arts. It is a laboratory course that meets six hours per week and draws from the living model. Prerequisite: Art 102.

162. Life Drawing and Anatomy II 3 credits

A continuation of Art 161. A laboratory course meeting six hours per week. Prerequisite: Art 161.

171. Lettering 3 credits

Proportions of the classical letter, contemporary layout and letter adaptations. Prerequisite: sophomore standing.

201. Watercolor I 3 credits

A laboratory course exploring watercolor as a medium of expression. The course meets six hours per week. Prerequisites: Art 102 and 151.

202. Watercolor II 3 credits

A continuation of Art 201. The course meets six hours per week. Prerequisite: Art 201.

211. Oil Painting I 3 credits

A laboratory course exploring oil as a medium of expression. The course meets six hours per week. Prerequisites: Art 151 and 161.

221. Sculpture I 3 credits

A laboratory course that meets six hours per week. Prerequisite: Art 132.

222. Sculpture II 3 credits

A laboratory course that meets six hours per week. Prerequisite: Art 221.

261. Ceramics I 3 credits

The introduction to the methods of pot production stressing slab, coil, and simple wheel construction. It is a laboratory course meeting six hours per week. Prerequisites: Art 131 and 132.

300. Graphic Arts: Introduction 3 credits

Studio survey course in relief printing, intaglio, and lithography. History, slide print study, criticisms. Prerequisite: Art 102.

301. Graphic Arts: Relief Printing 3 credits

Aspects of relief printing: wood cut, collage print, linoleum cut, and wood engraving; introduction to relief printing in full color. Prerequisite: Art 151 or consent of the instructor.

302. Graphic Arts: Lithography 3 credits

Various aspects of lithography; direct drawing on the stone with crayon and tusche, transfer techniques, lithographic color processes. Prerequisite: Art 151 or consent of the instructor.

304. Graphic Arts: Etching 3 credits

Studio work in intaglio techniques, including dry point, engraving, and various etching procedures; fine printing is stressed. Prerequisite: Art 151 or consent of the instructor.

306. Graphic Arts: Serigraphy 3 credits

Materials and techniques of the silk-screen process; investigation of various types of stencils and resists used in serigraphy. Prerequisite: Art 151 or consent of the instructor.

COURSE OFFERINGS AT THE CENTER SYSTEM FRESHMAN-SOPHOMORE CAMPUSES

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441. Advanced Creative Design 3 credits

Experimentation in visual phenomena. Studio practice with lectures and readings in perception, design theory, philosophy, and history of design. Prerequisites: Art 131 and 132 and consent of instructor.

531. General Crafts 3 credits

Leatherwork, blockprinting, plastics, stenciling, paper mache, chip carving, and other crafts involving materials and processes. This is a laboratory session meeting six hours per week. Prerequisites: Art 132 and consent of instructor.

541. Materials Workshop (design) 2-3 credits

Exploration of materials as they apply to industrial production, emphasis on new applications for existing materials in three-dimensional problems in which both hand and power tools are used. This is a laboratory session that meets six hours per week. Prerequisites: Art 132 and consent of instructor.



ASTRONOMY 188**100. Survey of Astronomy 4 credits**

Descriptive survey of astronomy for students with little background in mathematics and physics: the physical nature of the universe; the solar system, stars, nebulae, galaxies; telescopic observations, lab demonstrations, and discussions of astronomical methods; not open to students who have had the prerequisites required for Astronomy 200. Prerequisite: Minimum mathematical preparation.

200. General Astronomy 4 credits

Survey of astronomy for students with some background in mathematics and physics: the physical nature of the universe; the solar system, stars, nebulae, galaxies; telescopic observations, lab demonstrations, and discussions of astronomical methods; not open to students who have taken Astronomy 100. Prerequisite: Physics 106 or 202.

BACTERIOLOGY 192**101. General Survey of Bacteriology 4 credits**

An introduction to the fundamental principles and techniques of microbiology and their application to public health practices. The subjects of microbial genetics, evolution, taxonomy, anatomy and metabolic pathways are discussed. Prerequisite: An introductory chemistry course. Chemistry 102 or 103 are recommended.

BIOCHEMISTRY 200**201. Survey of Biochemistry (same as Chemistry 201) 3-4 credits**

Lectures and demonstrations on the chemical make-up and metabolism of living organisms presented at an elementary level for non-science majors. Main emphasis on proteins, enzymes, nature of enzyme action, carbohydrates and fats as energy sources, metabolic processes involved in energy production, nucleic acids, biochemistry of genetic information transfer, and protein biosynthesis. Not accepted toward requirements for undergraduate or graduate degrees in biochemistry. May be taken for 4 credits where laboratory work is offered. Prerequisite: Chemistry 108 or equivalent.

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BOTANY 208

The decisions eventually to be made by students as private persons, family members, husbandmen of the environment, citizens of the city, state or world . . . will benefit from an understanding of living things at all levels of biological organization. The increase of such understanding is one of the main goals of this department. A second goal is the preparation of students for further study in the biological and related sciences. The introduction of the techniques of science, the major fundamental concepts and the presentation of selected examples of the body of knowledge illustrating them, are the tasks of the staff of scientist-teachers.

100. Survey of Botany 3 credits

Structure, functions, and life histories of representative plants throughout the plant kingdom.

130. General Botany 5 credits

An introduction to plant sciences including the structure, development and physiology of plants. The relation of the major plant groups and the principles of biology. Illustrated with plant material.

160. Heredity (See Genetics 160 and Zoology 160) 3 credits

A general course in genetics designed especially for students not specializing in science; principles of heredity with applications to plant, animal and human inheritance; current advances in genetics and their bearing on the life sciences; lecture, demonstration and discussion. Prerequisites: An elementary biology course and sophomore standing are recommended.

400. Classification of Cultivated & Native Plants 3 credits

Representative families and genera of flowering plants, use of keys and manuals, lecture and lab. Prerequisite: introductory course in botany.

450. Principles of Plant Ecology 3 credits

Plants and plant communities in relation to their environment. Prerequisite: Introductory course in botany.

BUSINESS ADMINISTRATION 216

The overall objective of the department of business administration is to provide a formal education that will contribute to a student's capacity to achieve high standards of performance in the economic, political, and social institutions of the environment in which he finds himself. A more specific objective is the formal learning program designed to help the student understand the concepts and techniques essential to professional business and/or government achievement and graduate study—providing him with the tools that are essential when it comes to making managerial decisions.

200. Introductory Accounting 3 credits

Fundamental principles of accounting; basic business terminology, techniques, and practices, books and accounts, and statements for retailing and wholesaling concerns; treatment and presentation of sole proprietorship, partnership, and introductory corporation accounts. Open to second semester freshmen; sophomore standing recommended. May not be included in credits for graduation in the College of Letters and Science.

201. Intermediate Accounting 3 credits

Accounting theory, principles, concepts, and procedures as they apply to balance sheet and income statement accounts; presentation and interpretation of financial reports, including the problems of terminology, manufacturing valuation, and analysis. Prerequisite: Business 200.

CHEMISTRY 224

The department of chemistry offers a program in chemistry designed to meet a wide variety of needs. Students completing a sequence of general, organic, and analytical chemistry may transfer to a four-year institution and complete their undergraduate training as a chemistry major in the usual number of semesters. Course offerings also meet the needs of students entering into applied science fields such as engineering, medicine, nursing, and medical technology. A course is available for those students requiring only one semester of a physical science, to meet science requirements for graduation. All campuses have excellent facilities and make use of the latest developments in lecture, classroom and laboratory.

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There is ample opportunity for a student to have individual counseling and guidance by experienced teachers.

102. General Chemistry 5 credits

Two hours of lecture; two hours of recitation; one three-hour laboratory or two two-hour laboratory periods. A course in general inorganic chemistry, beginning with the study of nonmetals and of the fundamental principles of chemistry.

103. General Chemistry 4 credits

Introductory college chemistry, the subject matter is equivalent to Chemistry 102, the introductory concepts being covered more rapidly and with different lab experiments. Serves as a prerequisite for Chemistry 104; lecture, lab, and discussion. Prerequisite: course in high school chemistry.

104. General Chemistry and Qualitative Analysis 5 credits

Two hours of lecture; two hours of recitation; one three-hour laboratory or two two-hour laboratory periods. Continuation of Chemistry 102. Prerequisite: Chemistry 102 or 103.

107. Numerical Problems in General Chemistry 1 credit

Open to all students who expect to take further courses in chemistry and required of chemistry course and chemical engineering students who cannot take Chemistry 110. Prerequisite: Chemistry 104 or concurrent registration.

108. General Chemistry 5 credits

For the student who will take only one semester of chemistry. Two hours of lecture; two hours of recitation; one three-hour laboratory or two two-hour laboratory periods. A one semester course with extra emphasis given to organic chemistry. Does not serve as a prerequisite for second semester general chemistry.

201. Survey of Biochemistry (same as Biochemistry 201) 3-4 credits

Lectures and demonstrations on the chemical make-up and metabolism of living organisms presented at an elementary level for non-

science majors. Main emphasis on proteins, enzymes, nature of enzyme action, carbohydrates and fats as energy sources, metabolic processes involved in energy production, nucleic acids, biochemistry of genetic information transfer, and protein biosynthesis. Not accepted toward requirements for undergraduate or graduate degrees in biochemistry. May be taken for 4 credits where laboratory work is offered. Prerequisite: Chemistry 108 or equivalent.

223. Elementary Quantitative Analysis 4 credits

Two hours of lecture, two three-hour laboratories. A course in the essentials of quantitative analysis. Analysis of naturally occurring ores and commercial materials. For chemistry course students, chemistry majors, and chemical engineering students. Satisfies requirements for Chemistry 221. Prerequisite: General Chemistry, including qualitative analysis.

341. Elementary Organic Chemistry 3 credits

Three hours of lecture. A one semester course for those students not planning to take Chemistry 345. Prerequisite: Chemistry 104, 106, 110, or consent of instructor.

343. Introductory Organic Chemistry 3 credits

Three hours of lecture. Covers the chemistry of the paraffin and unsaturated hydrocarbons, cycloalkanes, alkyl halides, poly-halogen compounds, alcohols, ethers, monocarboxylic acids and their derivatives, aldehydes, ketones, amines, carbohydrates, proteins, benzene and its homologues, halogenation, nitration and sulfonation of aromatic hydrocarbons; aromatic amines; an introduction to resonance stereoisomerism and tautomerism. Prerequisites: Chemistry 104, 106, or 110.

344. Introductory Organic Chemistry Lab 2 credits

Six hours of laboratory. Includes the qualitative tests for elements found in organic compounds, the preparation, purification, and properties of a number of representative and important organic products, including ethylene, ethylene dibromide, butanone, ether, ethyl bromide, ethyl benzoate, acetyl chloride, acetic anhydride, aniline, acetanilide, nitrobenzene,

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sulfanic acid and methyl orange, and reactions of aldehydes, ketones, carbohydrates, and proteins. The principles and techniques involved with the various processes stressed. Prerequisite: concurrent registration in or credit for Chemistry 343.

345. Intermediate Organic Chemistry 3 credits

A continuation of Chemistry 343 covering derivatives of benzene and its homologues, polynuclear hydrocarbons and their derivations, polyhydroxy alcohols, polybasic acids, optical isomerism, further studies in proteins, sugars, starch, cellulose and its derivatives, heterocyclic compounds, synthetic drugs and alkaloids. Considerable emphasis is placed upon physiological applications of organic compounds. Prerequisite: Chemistry 343.

COMPUTER SCIENCES 246

132. Introduction to Computing Machines 3 credits

How computers work, communicating with computers, areas of application and significance, simple FORTRAN programming, elementary data processing and problem solving. An intensive and demanding survey course. Prerequisite: intermediate level high school mathematics or a course in college mathematics.

DAIRY SCIENCE 292

101. Livestock Production (same as Meat and Animal Sci. 101) 4 credits

General principles of livestock physiology, feeding, genetics and breedings, marketing and management; lectures, demonstrations and discussion; short field trips as part of lab.

ECONOMICS 296

Everyone lives in an economic environment and faces a continual succession of economic problems. The study of economics, an important and necessary element of a liberal education, provides students with an understanding and appreciation of contemporary economic problems both national and international. In dealing with such problems, the department of economics attempts to describe their historical evolution and provide alternative theories and techniques that may be applied in attempting their solution.



101. General Economics 3-4 credits

A study of the economic system, emphasis on problems and policies for students not planning to major in economics. Economic institutions; markets and prices; income distribution; business fluctuations; economic growth; comparative economic systems. May not be taken for credit by students who have had or are currently enrolled in Economics 103 or 104.

103-104. Principles of Economics 3 credits

Designed for students planning to major in economics and com-

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merce or for students who desire a broad basic one-year course in economics. The first semester covers economic methodology, national income, business fluctuations, monetary and fiscal policies, and economic growth. The second semester covers economic problems related to households, firms, and market structures and emphasizes value, price, and distribution of income. Economics 103 may not be taken for credit by students who have taken Economics 101. Prerequisite for Economics 104; completion of Economics 101 or 103.

ENGINEERING GRAPHICS 343

Engineering is the application of natural phenomena for utilization by man. It embraces all phases of human activity. The water you drink, the pigments of the artist, the transistor radio and the computer, the bicycle and the spacecraft—all involve engineering. The courses offered by the department augment physics, chemistry, and mathematics offerings to provide the first two years towards the B.S. degree in most of the engineering disciplines.

102. Elements of Descriptive Geometry 3 credits

Orthographic projection and its application to analysis and solution of three-dimensional problems involving points, lines, planes, and solids; axonometric projections for pictorial representation with engineering applications. Prerequisite: Intermediate math preparation or consent of instructor.

113. General Engineering Graphics 3 credits

Advanced principles of projection and perspective, sectional views, dimensioning, freehand sketching, isometric and oblique pictorials, graphs and nomographs, maps, structures, machines, assembly drawings, electric circuits, and individualized problems designed to serve the requirements of the several engineering curricula. Prerequisite: Engineering Graphics 102 or consent of instructor.

ENGINEERING MECHANICS 346

Engineering is the application of natural phenomena for utilization

by man. It embraces all phases of human activity. The water you drink, the pigments of the artist, the transistor radio and the computer, the bicycle and the spacecraft—all involve engineering. The courses offered by the department augment physics, chemistry, and mathematics offerings to provide the first two years towards the B.S. degree in most of the engineering disciplines.

101. Statics 3 credits

Principles of mechanics, force systems, equilibrium, structures, distributed forces, moments of inertia of areas, and friction. This course will serve the requirements of the several engineering curricula. Prerequisite: Mathematics 221.

102. Dynamics 3 credits

Kinematics, force-mass-acceleration relations, work and energy, impulse and momentum, moments of inertia of mass. This course will serve the requirements of the several engineering curricula. Prerequisites: Mechanics 101 and Mathematics 222.

ENGLISH 350

The three basic purposes of the courses offered by the department of English are: (1) to enable students to improve their ability to use the English language clearly and effectively as an instrument of written communication, (2) to provide students with the opportunity of improving their skill in using the English language as an art form, (3) to enable students to read literature with understanding and appreciation of its distinguishing characteristics, and to acquaint them with some of the most significant literary productions in one of three areas—English literature, American literature, and contemporary British and American literature, where they will find exemplified the ways in which one can gain through the study of literature an understanding of the society in which the literature is produced and a greater insight into the nature of man. The department recognizes its obligation to offer courses that not only are valuable in themselves but also provide students with a sound foundation for advanced work in the field of English and related subjects.

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101. Freshman English 3 credits

102. Freshman English 3 credits

Basic courses which endeavor to develop ability to write clearly and effectively. Exemption from English 101 will be granted on the basis of a student's performance on the placement examination taken as part of the registration procedures.

200. Introduction to Literature 3 credits

Intensive analysis of poetry, drama, and fiction, using representative types from several periods of English and American literature. Prerequisite: completion of Freshman English requirement.

201. Intermediate Composition 3 credits

The theory and practice of informative and persuasive writing. Prerequisite: completion of Freshman English requirement.

203. Introduction to Creative Writing 3 credits

Chiefly devoted to writing and studying the short story. Prerequisites: completion of Freshman English requirement and consent of instructor.

204. Critical Writing 3 credits

Study and written analysis of examples of various types of literature in English. Prerequisite: completion of Freshman English requirement.

205. English Literature 3 credits

A study of representative work by the most outstanding English writers. Prerequisite: English 200 or one semester of sophomore literature other than English literature.

209. Contemporary Literature 3 credits

An approach to literature through significant and representative modern prose and poetry. Prerequisite: English 200 or one semester of sophomore literature other than contemporary literature.

211. American Literature 3 credits

A study of representative work by the most outstanding American writers. Prerequisite: English 200 or one semester of sophomore literature other than American literature.

251. Studies in Dramatic Literature 3 credits

An exploration of some aspect of drama or the theory of drama, of the internal history of the genre or the distinctive character of the mode, and its application in practical criticism to an appropriate body of English and American literature. Prerequisite: completion of 6 credits of literature.

253. Studies in Narrative Literature 3 credits

An exploration of some aspect, problem, or distinctive variety of narrative or the theory of narrative, in such forms as the novel, the epic, the romance, and its application in practical criticism to an appropriate body of English and American literature. Prerequisite: completion of 6 credits of literature.

255. Studies in Poetry 3 credits

An exploration of some aspect of poetic theory and practice, generally in terms of the shorter verse forms, and its application in practical criticism to an appropriate body of English and American literature. Prerequisite: completion of 6 credits of literature.

FRENCH 400

The University Center System's department of French offers the work of the first three years of language study and an introduction to the study of literature. First and second-year courses are designed to develop, as rapidly and as thoroughly as feasible, basic skills in speaking, listening comprehension, reading, and writing. Third-year courses introduce the student to the study of French literature and further develop skills in speaking and writing the language.

103. First Semester French Non-Intensive 4 credits

For students who have had no previous training in the language. Emphasis on oral practice, grammar, and reading.

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- 104. Second Semester French Non-Intensive 4 credits**
Prerequisite: French 103 or one year of high school French.
- 203. Third Semester French 3 credits**
Intensive and extensive reading; grammar review. Prerequisite: 1 year of college French or 2 years of high school French.
- 204. Fourth Semester French 3 credits**
Prerequisite: 3 semesters of college French or 3 years of high school French.
- 215. Conversation and Composition (Elementary Level) 2 credits**
Development of oral facility based on situations met in everyday life. To be taken only concurrently with French 203 or 204, except by special permission. Prerequisite: French 104 or 2 years of high school French.
- 216. Conversation and Composition (Elementary Level) 2 credits**
Continuation of 215. Not open to students who have completed French 204 or passed the intermediate attainment test, except by special permission.
- 221. Introduction to French Literature 3 credits**
Masterpieces in the novel, drama, poetry, and essay (17th and 18th century authors). Lectures, discussion, exercises in translation and interpretation. Prerequisite: French 204 or equivalent.
- 222. Introduction to French Literature 3 credits**
Masterpieces in the novel, drama, poetry, and essay (19th and 20th century authors). Lectures, discussion, exercises in translation and interpretation. Prerequisite: French 204 or equivalent.
- 227. Conversation and Composition (Intermediate Level) 2 credits**
Development of facility in oral and written French. Prerequisites: French 204, at least one semester of French 215-216 or consent of instructor.

- 228. Conversation and Composition (Intermediate Level) 2 credits**
Continuation of French 227. Prerequisite: French 227 or consent of instructor.

GENETICS 412

- 160. Heredity (see Botany 160 and Zoology 160) 3 credits**

A general course in genetics designed especially for students not specializing in science; principles of heredity with applications to plant, animal and human inheritance; current advances in genetics and their bearing on the life sciences; lecture, demonstration and discussion. Prerequisites: An elementary biology course and sophomore standing are recommended.



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GEOGRAPHY 416

Instruction in the geography department gives a basis for understanding aspects of the varied and changing character of the earth's surface. Course offerings may be grouped into two categories: physical geography courses in which major emphasis is placed on phenomena of the natural environment, and cultural geography courses in which emphasis is placed on man and his works as set within the natural framework. Implicit in both course categories are descriptions of observable features, understanding of location and variation in patterns of arrangement, and analysis of functional relationships and processes.

Geography 120, 123, and 124 are laboratory courses in natural science. Geography 125 gives natural science credit but not laboratory credit. Geography 110, 115, 350, 510, and 514 carry social studies credit.

Students with any other course in physical geography or in ILS 132 may not take courses 120 or 125 for credit, or either semester of 123-124.

Either Geography 110 or 115 may be elected for credit, but not both.

110. The World: Peoples and Regions 3 credits

Introduction to cultural geography through the study of representative and significant regions and nations. Open to freshmen.

115. Economic Geography 3 credits

Analysis of location of population and the distribution and character of the leading economic activities (agriculture, fishing, forestry, mining, manufacturing, transportation, and trade) in major world regions. Open to freshmen.

120. Survey of Physical Geography 3 credits

Characteristics and world distribution of physical factors which in combination form the natural environment: elements of weather and climate, climatic types, earth materials, landforms, and earth resources. Two hours of laboratory per week. Open to freshmen.

123. Physical Geography 5 credits

The form of the earth; earth-sun relationships; elements of climate;

characteristics, distribution, and significance of climatic types; the seas; natural vegetation; soils. Laboratory and field trips. Open to freshmen.

124. Physical Geography 5 credits

Introduction to maps; characteristics, distribution, and significance of landforms types; the continental margins and the sea floors; water resources of the land; mineral resources. Laboratory and field trips. Open to freshmen.

125. Survey of Physical Geography 3 credits

Content similar to that of Geography 120 listed above except that 125 has no laboratory work. Open to freshmen.

350. Conservation of Natural Resources 3 credits

Problems arising from man's use of earth resources. Principles of management that make for a continuation of natural resource adequacy. Emphasis on the United States. Sophomore standing.

510. The United States and Canada 3 credits

Physical and cultural aspects of the regions of the United States (including Alaska) and Canada preceded by a study of overall characteristics of the climate, surface configuration, and natural resources. Sophomore standing.

514. Wisconsin 3 credits

The physical features, resources, population, land utilization and economic development of the state. Prerequisite: Sophomore standing.

GEOLOGY 420

The study of geology is ordinarily pursued for one of two purposes — to broaden and deepen the understanding and appreciation of the natural physical world in which we live and travel, or to acquire a scientific understanding of the principles of earth behavior and history with a view to exploiting such knowledge as a professional career in any of the several branches of the study. The outlets for such training embrace the

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search for minerals, including petroleum, by geologic and geophysical means; biologic, physical, and chemical research in earth materials; industrial applications; and teaching.

Geology enhances the value of travel in that the natural physical surroundings are regarded as dynamic, changing aspects of our environment. The nonprofessional student also acquires a new yardstick for the measurement of our national mineral resources and learns to evaluate them as political entities in international affairs. The philosophy gained from a study of more than four billion years of earth history and its relationship to the orderly development of life enjoys a universal appeal which is reflected from the press to classic literature. Knowledge gained through a study of historical geology is fundamental background for studies in anthropology, archaeology, ethnology, and the biological sciences.

Geology 100, 101, 102 are laboratory courses in natural science.

100. Survey of Geology 3 credits

A brief study of minerals, rocks, and the processes which create and modify the surface features of the earth; field trips and laboratory. Not open to those who have had Geology 101, 102, or 105. Open to freshmen.

101. General Geology 5 credits

Geologic processes in operation on and beneath the surface of the earth; lecture, laboratory, field trips. Students who have had Geology 100 may receive only two credits. Open to freshmen.

102. Geologic Evolution of the Earth 5 credits

Physical history of the earth in relationship to the orderly development of life throughout geologic time; lecture, laboratory, and field trips. Prerequisite: Geology 100 or 101.

GERMAN 424

The University Center System's department of German offers the work of the first three years of language study. Elementary courses are designed to develop basic skills in speaking, listening comprehension,

reading and writing as rapidly and thoroughly as feasible; courses at the intermediate level seek to introduce the student to German literature and further develop skills in speaking and writing the language. In a very broad sense, the department aims to lay the groundwork for its students' future understanding of and appreciation for the German-speaking peoples' contributions to the whole of western civilization.

103. First Semester German 4 credits

For students with no previous knowledge of German. Emphasis on reading, oral practice, and grammar.

104. Second Semester German 4 credits

Continuation of German 103. Prerequisite: German 103 or equivalent.

203. Third Semester German 3 credits

Intensive reading, grammar review, and continued oral practice. Prerequisite: German 104 or equivalent.

204. Fourth Semester German 3 credits

Continuation of German 203. Prerequisite: German 203 or equivalent.

215. Elementary Conversation 2 credits

May be taken concurrently with German 203. Prerequisite: German 104 or equivalent.

216. Intermediate Conversation 2 credits

May be taken concurrently with German 204. Prerequisite: German 215 or consent of instructor.

221. Introduction to German Literature 3 credits

Selected readings from German literature of the last two centuries; discussions; transition from language study to study of literature. Prerequisite: German 204 or equivalent.

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- 222. Introduction to German Literature 3 credits**
Continuation of German 221. Prerequisite: German 221 or equivalent.
- 225. Intermediate Composition and Conversation—First 3 credits**
Grammar review and conversation. Extensive composition practice. Prerequisite: German 204 or equivalent.
- 226. Intermediate Composition and Conversation—Second 3 credits**
Continuation of German 225. Prerequisite: German 225 or equivalent.

HISTORY *448

There is no dearth of definitions of history. "History is philosophy teaching by examples," said Henry Bolingbroke. "History is a fable agreed upon," retorted Napoleon Bonaparte. Americans have generally sided with Bolingbroke. Typically they have looked for some utilitarian values in the study of history and find them in the often quoted words of George Santayana: "A nation that does not know history is fated to repeat it." An American humorist of a generation ago, Irvin S. Cobb, voiced the sentiments of those who can remember as far back as the Hoover Administration: "The trouble with the young is that they haven't read the minutes of the last meeting."

History as the "knowledge of things said and done," seems a bit unmanageable. The "facts" of history are equally elusive. History as **fact** cannot be reconstructed like an experiment in chemistry or physics yet we often hear of a "science of history." As the phrase suggests there is a discipline involved in the study of history. It is the understanding of this discipline and the difficult art of discovering meaning in what remains of the past as fact that we have in mind when we speak of history as a field of study. History gives perspective to other related subjects, particularly the humanities and the social sciences.

In this age of increasing specialization most historians are trained in European or United States history as broad fields within which they concentrate upon narrower specialties. A minority of historians in the United

States concentrate upon other geographic areas: Latin America, Africa, the Far East, the Middle East, India, and even Southeast Asia. Traditionalists consider these fields somewhat exotic. Given your world, your interests may tend toward the exotic. But, in a sense, to study Western European and United States history is to know yourself: not a bad starting place.

119. The Making of Modern Europe, 1500-1815 3 credits

An introduction to the principal developments in the history of Europe from the Renaissance to the fall of Napoleon.

120. Europe and the Modern World, 1815 to the Present 3 credits

A general survey of the political, economic, social, and cultural history of modern Western civilization.

**201. American History 1607-1865—the Origin and Growth
of the United States 3 credits**

Survey of American political, economic, and social development from the founding of the colonies to the Civil War. Prerequisite: sophomore standing.

202. American History, 1865 to the Present 3 credits

Survey of American political, economic and social development from the Civil War to the present. Prerequisite: sophomore standing.

255. Problems in American History 3 credits

Discussions, reports on reading, research papers; meet in weekly two-hour sections; enrollment limited. Prerequisite: sophomore standing with overall grade-point average of 3.0, and/or consent of instructor.

355. Problems in European History 3 credits

Discussions, reports on readings, research papers; meet in weekly two-hour sections; enrollment limited. Prerequisite: sophomore standing with overall grade-point average of 3.0, and/or consent of instructor.

*Other freshman and sophomore courses in history may be offered

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144 at individual campuses dependent upon faculty fields of interest and schedules. Descriptions of such courses may be found in the L&S catalog of the Madison campus.

HORTICULTURE 476

120. Survey of Horticulture 3 credits

Survey course for the beginning student; scientific basis for horticultural practices; scope of the field of horticulture; introduction to propagation, culture, management, improvement, storage, and marketing of flowers, fruits, ornamentals, and vegetables.

JOURNALISM 512

The department of journalism provides core instruction and counsel in the study of the media, audiences, and effects of news communication and in the techniques of gathering, reporting, and writing news and feature material for mass media publication and broadcast. An additional goal of the department is to assist in the development of a professional attitude toward the practice of journalism through the counsel and example which are provided by academically trained and professionally experienced journalism instructors.

201. Introduction to Mass Communications 2 credits

How the mass media are organized and how they function in modern society; their technological bases, economic and political foundations, and social implications. Required for journalism majors on the Madison campus.

203. News Writing 2 credits

Instruction and practice in writing various types of news for the mass media under close supervision of instructor; basic for all informational writing. Required for journalism majors. Center System students may take this course through independent study (correspondence) if not currently available at their campus. Prerequisites: Satisfaction of freshman English requirement and Journalism 201 or concurrent registration for journalism pre-majors on the Madison campus.

204. Reporting 3 credits

Emphasis on the gathering of news and interviewing. Required for journalism majors, except in the journalism-advertising sequence. Prerequisite: Journalism 203.

MATHEMATICS 600

Mathematics has traditionally held an important and unique place in the liberal arts as well as the scientific curriculum. However, only relatively recently has the importance of mathematics to research areas, such as biology, social sciences, and certain of the humanities become evident. In addition to the expanded range of mathematical applications, there has also been an enormous growth in the pure mathematical sciences.

The courses offered by the department are designed for the preliminary training of students interested in careers in mathematics, and are also aimed at providing the necessary mathematical background for students in other disciplines.

All courses offered by the department of mathematics require mathematical preparation consisting of a minimum of 1 unit of algebra and 1 unit of geometry.

101. Introductory College Algebra 2 credits

Development of the number system and the fundamental operations of algebra; linear and quadratic equations; exponents and logarithms; variations; progressions; the binomial theorem.

Primarily for students who have had "elementary preparation" (normally two years of high school mathematics including elementary algebra and geometry). Course will carry 2 credits for students who have had less than 3 years of mathematical preparation in high school (1-1½ years of algebra and 1 year geometry). Course carries no credit for students who have had 3 years or more mathematical preparation or for students in engineering. Prerequisite: a satisfactory score on the numerical section of the CQT examination.

107. Introductory Mathematics of Finance and Probability 4 credits

Mathematical characteristics of currently used financial growth laws,

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annuities, amortization, sinking funds, and bonds, the algebra of sets, elementary logic and probability, Bayes theorem, independence of events.

Does not count as part of the mathematics requirement for the B.A. or B.S. degree but may be taken as an elective course for credit by students who are candidates for either of these degrees. Prerequisites: completion of Mathematics 112 or equivalent; or advanced mathematics preparation and a satisfactory score on the placement examination.

112. College Algebra 3 credits

Number systems and equations; inequalities; functions and graphs; complex numbers; theory of equations; mathematical induction; the binomial theorem.

Primarily for both engineering and non-engineering students who have had intermediate mathematical preparation (1½-2 years algebra and 1 year geometry). Not open for credit to students who have the prerequisites for Mathematics 221 or for students in engineering. Prerequisite: 2 units of high school algebra and 1 unit of high school geometry and a satisfactory score on the placement examination; or Mathematics 101.

113. Plane Trigonometry 2 credits

Trigonometric functions, identities, equations; solution of triangles.

Primarily for both engineering and non-engineering students who have had 2 years of algebra and 1 year of geometry in high school. Not open for credit to students in engineering. Prerequisites: 2 units of high school algebra and 1 unit of high school geometry and a satisfactory score on the placement examination; or Mathematics 112; or concurrent registration in Mathematics 112.

115. Mathematics for Elementary Teachers 4 credits

Basic concepts of set theory and logic; structure of mathematical systems; development of number systems; systems of numeration; historic background. Prerequisites: 1 unit each of high school algebra and geometry; sophomore standing and registration in the Program for the Preparation of Elementary School Teachers.

221. Calculus and Analytic Geometry 5 credits

An introduction to differential and integral calculus and plane analy-

tic geometry. Selected topics from algebra and trigonometry will be reviewed as needed. Prerequisites: Mathematics 112 and 113, or 4 units of high school mathematics and a satisfactory score on the placement examination.

222. Calculus and Analytic Geometry 5 credits

Continuation of Mathematics 221. Further topics in analytic geometry and linear algebra; transcendental functions; techniques of integration. For both engineering and non-engineering students. Prerequisite: Mathematics 221.

223. Calculus and Analytic Geometry 5 credits

Continuation of Mathematics 222. Solid analytic geometry; partial derivatives; multiple integrals; improper integrals; infinite series; linear systems and matrices. For both engineering and non-engineering students. Prerequisite: Mathematics 222.

240. Introductory Finite Mathematics 4 credits

Elements of mathematics logic; structures in sets; partitions, and counting; probability theory; stochastic processes. Prerequisites: 2 units of high school algebra and 1 unit of geometry, or Mathematics 112.

320. Linear Mathematics 3 credits

Introduction to linear algebra, including matrices, linear transformations, and eigenvalues. Linear systems of differential equations. Numerical aspects of linear problems. Prerequisite: Mathematics 223.

MEAT AND ANIMAL SCIENCE 604

101. Livestock Production (same as Dairy Sci. 101) 4 credits

General principles of livestock physiology, feeding, genetics, and breeding, marketing and management; lectures, demonstrations and discussion; short field trips as part of lab.

MUSIC 660

The Center System music department has two functions in the life

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of the campus student.

There are the performing musical organizations, band, choir, orchestra, and instrumental and vocal ensembles open to all campus students regardless of major academic field. There are also offerings in music literature for general cultural development.

There are class offerings for the music major or minor interested in obtaining degrees in music performance or teaching.



Some of the music courses listed below are open to all students; others are offered primarily for students who wish to work for a degree in elementary education; still others are open only to students who plan to major or minor in music.

Students wishing to major or minor in music must confer with the chairman of the music department at their campus. In addition to meeting the general University requirements, each music major or music minor student should be able to demonstrate his qualification for the specific music curriculum of his choice.

The following courses may be taken only by students with a major or minor in music: 121-122, 211-212, 221-222, 241, 243, 244, 245, 246.

The following courses may be taken by all students: 40, 55, 62, 201, 202, 265, 267, 268, 269. Students may count only six credits of work toward a degree in "organization" courses, for example, Music 40, 55, and 62.

The following courses are designed to fill requirements for the elementary classroom teacher: 101, 201. The student is advised to take Music 201 before Music 101.

40. Band 0-1 credit

Open to all students by tryout. Band training, study and performance of standard band literature.

55. Chorus 0-1 credit

Open to all students by tryout. Choral vocal training, study and performance of concert literature.

62. Orchestra 0-1 credit

Open to all students by tryout. Playing of music from symphonic repertoire.

101. Fundamentals of Music 2 credits

This course is designed to acquaint the student with the fundamentals of music through experiences with the keyboard, rhythm instruments, singing, listening, note reading and so forth, so that he will be able to

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teach and supervise his class music program. Not accepted as part of a music major or minor or towards a degree in L&S at Madison or Milwaukee. Class meets for 3 hours.

121. First Year Theory 4 credits

Studies in basic notation; intervals, scales and modes; rhythm; contrapuntal harmony, written and keyboard; sight singing and ear training; selected music for harmonic and form analysis. Open only to music majors and minors. It is recommended that students have a background in piano before taking this course. Class meets for 5 hours.

122. First Year Theory 4 credits

A continuation of Music 121.

201. Introduction to Music Literature 2 credits

A guide to musical enjoyment and understanding; includes listening experiences in the various styles and forms of music, through assigned readings, the use of recorded music and sound films, and attendance at concerts. Not accepted as part of a music major or minor. Class meets for 3 hours.

202. Introduction to Music Literature 2 credits

A continuation of Music 201.

211. History of Western Music 3 credits

A survey of the historical development of musical style and theoretical concepts from ancient Greece to the present. Prerequisite: freshman theory or its equivalent or consent of instructor. Class meets for 4 hours.

212. History of Western Music 3 credits

A continuation of Music 211. Class meets for 4 hours.

221. Second Year Theory 4 credits

Aural and written harmony; keyboard harmony and figured bass; harmonic counterpoint; sight singing and sight playing; ear training analysis. Prerequisite: first year theory. Class meets for 5 hours.

- 222. Second Year Theory 4 credits**
A continuation of Music 221.
- 241. Vocal Technics 2 credits**
Theory and practice in fundamentals of singing. Prerequisite: consent of instructor. Class meets for 3 hours.
- 243. Instrumental Technics (Strings) 2 credits**
Theory and practice of playing the violin, viola, violoncello, contrabass. Prerequisite: Music 122 or equivalent. Class meets for 3 hours.
- 244. Instrumental Technics (Strings) 2 credits**
A continuation of Music 243.
- 245. Instrumental Technics (Woodwinds) 2 credits**
Theory and practice of playing the flute, oboe, clarinet, saxophone, bassoon. Prerequisite: Music 122 or equivalent. Class meets for 3 hours.
- 246. Instrumental Technics (Brass and Percussion) 2 credits**
Theory and practice of playing the French horn, cornet and trumpet, trombone, baritone, tuba, and percussion instruments. Prerequisite: Music 122 or equivalent. Class meets for 3 hours.
- 263. Ensemble-Vocal 1-2 credits**
Assignments in performing ensemble literature. Prerequisite: consent of instructor. Class meets for 2 hours per credit.
- 265. Ensemble-Woodwind 1-2 credits**
Assignments in performing ensemble literature. Prerequisite: consent of instructor. Class meets for 2 hours per credit.
- 267. Ensemble-Brass 1-2 credits**
Assignments in performing ensemble literature. Prerequisite: consent of instructor. Class meets for 2 hours per credit.

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268. Ensemble-Percussion 1-2 credits

Assignments in performing ensemble literature. Prerequisite: consent of instructor. Class meets for 2 hours per credit.

269. Ensemble-Strings 1-2 credits

Assignments in performing ensemble literature. Prerequisite: consent of instructor. Class meets for 2 hours per credit.



271. Ensemble Jazz 1 credit

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A performance and laboratory group. Prerequisite: consent of instructor. Class meets for 2 hours for 1 credit.

MUSIC APPLIED 664

Applied music courses are available to freshmen majoring in music, occupational therapy, and recreation. Students in other departments or majors may take courses in applied music with the consent of the instructor. The prerequisites for courses in applied music beyond the fundamentals level are successful completion of the preceding course in a sequence and consent of instructor. Normally, a student taking an applied music course should be registered concurrently for Music 121-122 or 221-222.

All students registered for applied music courses will be assessed the full semester fee regardless of the number of credits carried.

It should be noted that applied music on **all** instruments and voice is not available from Center System staff. In such cases, an accredited and approved teacher in the area will give this instruction.

The student must consult with the music adviser on his campus before registering for these applied courses.

**MUSIC—APPLIED CHART (CURRICULAR AREA NUMBER 664)
PIANO, ORGAN, AND VOICE**

Course	Piano		Organ		Voice	
	Cr.	Number	Cr.	Number	Cr.	Number
Fundamentals	2	001			2	005
Fundamentals	2	002			2	006
Elementary	2	041				
Elementary	2	042				
First Year	2	101	2	103*	2	105
First Year	2	102	2	104	2	106
Second Year	2	201	2	203	2	205
Second Year	2	202	2	204	2	206

*Admission contingent upon eligibility for Piano 101

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MUSIC APPLIED CHART WIND AND STRING INSTRUMENTS

Department Number 664

Course	Credits	Elementary	Elementary	Intermediate	Intermediate	First Year	First Year	Second Year	Second Year
Flute	2	007	008	047	048	107	108	207	208
Oboe	2	009	010	049	050	109	110	209	210
Clarinet	2	011	012	051	052	111	112	211	212
Saxophone	2	013	014	053	054	113	114	213	214
Bassoon	2	015	016	055	056	115	116	215	216
Horn	2	017	018	057	058	117	118	217	218
Trumpet Cornet	2	019	020	059	060	119	120	219	220
Trombone	2	021	022	061	062	121	122	221	222
Baritone	2	023	024	063	064	123	124	223	224
Tuba	2	024	026	065	066	125	126	225	226
Percussion	2	027	028	067	068	127	128	227	228
Violin	2	031	032	071	072	131	132	231	232
Viola	2	033	034	073	074	133	134	233	234
Cello	2	035	036	075	076	135	136	235	236
String Bass	2	037	038	077	078	137	138	237	238
Harp	2	039	040	079	080	139	140	239	240
Guitar	2	045	046						

PHILOSOPHY* 736

Philosophy is traditionally defined as the love of wisdom. It involves reflection on and understanding of all phases of human activity. The courses offered by the department deal, among other things, with the nature of knowledge, reality, morality, society, art and aesthetic experience, as well as science, politics, and religion. These courses are designed to help the student develop his own capacity to reflect intelligently

on questions of fundamental and lasting significance.

101. Introduction to Philosophy 3 credits

Introduction to philosophic thinking through examination of the problems of freedom, knowledge, and what is worthwhile. Open to freshmen and sophomores who have had no previous philosophy course other than Philosophy 211.

102. Introduction to Social Philosophy 3 credits

Studies of opposing philosophical views about man and his political and social life. Prerequisite: Philosophy 101 or sophomore standing.

103. Belief, Knowledge, and Truth 3 credits

Study of the grounds of rational belief and knowledge and the methods used for obtaining them, with particular emphasis on problems of evidence and truth. Prerequisite: Philosophy 101 or sophomore standing.

211. Elementary Logic 3 credits

Principles, standards, and methods for distinguishing good reasoning from bad, as applied to deductive and inductive inferences. Nature and detection of fallacies, and linguistic pitfalls affecting reasoning. Open to freshmen and sophomores.

226. Philosophical Ideas in Literature 3 credits

A study of philosophical and moral ideas as embodied in selected works of literary art: aesthetic analysis of their structure and content. Prerequisites: Sophomore standing and 3 credits in philosophy.

241. Introductory Ethics 3 credits

Nature of moral problems and of ethical theory, varieties of moral skepticism, practical ethics and the evaluation of social institutions. Prerequisite: Philosophy 101 or sophomore standing.

253. Philosophy of the Arts 3 credits

Production, appreciation, and criticism of works of art; sources and use of standards. Prerequisite: Philosophy 101 or sophomore standing.

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254. Social Problems of Contemporary Art 3 credits

Critical consideration of problems raised by the activities and productions of contemporary artists, such as freedom, censorship, uses of art, function of artists in society, social benefits of art. Prerequisite: Philosophy 101 or sophomore standing.

258. Man, Religion and Society 3 credits

Study and critique of the views of theistic and secular writers concerning religion and its relationship to individual and social problems. Prerequisite: Philosophy 101 or sophomore standing.

520. Philosophy of the Natural Sciences 3 credits

Nature and function of science; the logic of scientific method; clarification of such concepts as cause, law, theory, probability, determinism, teleology. Prerequisites: sophomore standing and 3 credits in philosophy.

*Philosophy staff members at the various campuses may be offering additional courses in their areas of special competence.

PHYSICAL EDUCATION—GENERAL (MEN)* 740

PHYSICAL EDUCATION—GENERAL (WOMEN)* 741

Students may elect to take activity courses as offered at the various campuses. The offerings may include such activities as water safety, weight training, basketball, handball, etc. These courses may be elected for 1 credit. Whether this additional course work will count as degree credit depends on the regulations of the school or college from which the student seeks his degree. Courses are available for both men and women.

If you are interested in an activity course, please consult with the physical education instructor before registering, to determine your eligibility for the activity.

*Credit in these courses will not count toward a degree in Letters and Science or Business.

PROFESSIONAL PHYSICAL EDUCATION—(MEN)* 742

Courses offered in this department are designed to prepare students

to be teachers and coaches in elementary and secondary schools or non-school agencies such as YMCA's, clubs and institutions.

To be certified for a State Teaching Certificate to teach in elementary or secondary schools, students must have a 2.5 grade point average by their junior year.

Students who by their junior year do not have a 2.5 G.P.A. will be directed into non-school agencies.

Starting in the junior year, students may concentrate in one of the following:

- Elementary school physical education
- Secondary school physical education
- Coaching
- Scientific-research
- Nonschool agencies
- Adapted physical education

- 101. Orientation and Introduction to Physical Education 2 credits**
- 102. Physical Education Activities 2 credits**
Tumbling and individual sports.
- 103. Techniques and Materials for Individual Activities 2 credits**
Tennis, badminton, paddle ball, handball, squash and gymnastics.
- 104. Techniques and Materials for Individual Activities 2 credits**
Winter sports, fencing and golf.
- 105. Techniques and Materials for Team Activities 2 credits**
Wrestling and basic swimming.
- 106. Advanced Techniques and Materials for Team Activities 2 credits**
Swimming, waterfront safety course.
- 109. Physical Education Fundamentals for Teaching 2 credits**
Laboratory instruction and teaching.

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110. Basketball Fundamentals, Theory and Team Play 2 credits

201. Nature, Function and Organization of Play 2 credits
Organization and administration of playgrounds. Open to men and women.

211. First Aid 1-2 credits

Students who complete the course for 1 credit will receive the standard Red Cross certificate. Students who complete the 2 credits with a grade of B or better will receive the Red Cross Instructor's First Aid Certificate and Civil Defense Certificate. Letters and Science students may take the course for 1 credit. Open to men and women.

*Credit in these courses will not count toward a degree in Letters and Science or Business.

PHYSICS 754

The physics department of the University of Wisconsin Center System provides a variety of introductory courses in physics. One sequence of three semesters (201, 202, 205) is designed for students desiring to major in a physical science or in an applied science such as engineering. Students in this course sequence must have a strong background in mathematics. Another sequence (105, 106) consists of two semesters and is designed for those with less preparation in mathematics. This sequence meets the needs of students in applied science fields such as medicine and dentistry, and in natural sciences such as botany, zoology and geology. Students may select this sequence in order to satisfy a physical science requirement. A one semester course in introductory astronomy is a recent addition at several campuses.

(Note to Students—The physics courses are not always numbered identically in the Center System, Madison, and Milwaukee catalogs. For example, the Center System's courses 201-202 are comparable to courses 207-208 on the Madison campus. Compare course descriptions and prerequisites to determine which Center System courses correspond to those offered on the Madison and Milwaukee campuses.)

106. General Physics 4 credits

A continuation of Physics 105. Electricity and magnetism, light, and modern physics. Three hours of lecture, three hours of discussion-laboratory. Prerequisite: Physics 105.

201. General Physics for Engineers 5 credits

Studies in mechanics; wave motion, sound, and heat. Required of sophomores in civil, chemical, mechanical, and mining engineering. Prerequisite: Mathematics 222 or concurrent registration.

202. General Physics for Engineers 5 credits

Studies in magnetism, electricity, and light. Continuation of Physics 201. Prerequisite: Physics 201.

205. Modern Physics for Engineers 3 credits

Introduction to atomic, nuclear, and solid state physics. Prerequisites: Physics 202 and consent of instructor.



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PHYSIOLOGY 762

104. Anatomy and Physiology 4 credits

Lectures, recitation, and laboratory dealing with the structure of the human body and the physiology of the organ systems. Prerequisites: general chemistry or concurrent registration in general chemistry with consent of instructor; biology or zoology.

POLITICAL SCIENCE 778

The department has two objectives: to disseminate knowledge about the political phenomenon, both domestic and foreign, to students; and to produce new knowledge about politics through research endeavors of its departmental members. The teaching function is geared to the level of freshman and sophomore instruction, but advanced courses are offered when needed. The content and structure of the courses serves a two-fold purpose of acquainting students with the political processes and issues of this country to provide them with means for making rational individual judgments, and to give those who seek to major in political science a conceptual foundation for their future work. The format of the instruction is diverse. Aside from regular classroom presentation, the department sponsors symposia, colloquia, seminars and public lectures in which outside speakers participate.

101. Introduction to Politics 4 credits

Approaches to political inquiry; basic problems common to all political systems; issues and practices of American politics. Open to freshmen and sophomores.

105. State Government and Public Policy 3 credits

Studies in the federal system, constitutional basis and structure of state and local governments, domestic functions of all levels of government. Open only to freshmen and sophomores.

106. Comparative Government and Politics 3 credits

A comparative analysis of the political systems of major European and other selected nations of the world, stressing comparison of institutions, processes, and methods of comparative analysis. Open to freshmen.

175. International Relations 3 credits

A survey of conditions determining power and policies of individual nation-states; conflicting national policies; and international institutions. Open to freshmen.

201. Introduction to Political Theory 3 credits

A critical survey of offerings, historical and contemporary, to develop a systematic theory of politics. Prerequisite: Previous course in political science or consent of instructor.

213. Urban Politics 3 credits

Organization and politics of city government; changing political structures and leadership patterns in urban areas; consideration of urban policy problems. Prerequisite: Previous course in political science or consent of instructor.

222. Politics, Parties, and Pressure Groups 3 credits

An analysis of the nature and functions of political parties; organization and leadership structure of political parties and pressure groups; nominations and elections; voting behavior; and survey research techniques. Prerequisite: Previous course in political science or consent of instructor.

223. Proseminar in Political Science 3 credits

The nature and subject of this course to be announced by instructor. Prerequisite: Previous course in political science or consent of instructor.

243. Public Administration 3 credits

An introductory study of the role and principles of administration in modern government; an analysis of the organized processes of government for the effective utilization of human and material resources to attain the goals of society. Prerequisite: Previous course in political science or consent of instructor.

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Social Science 201 may be elected as a political science course.

Note: Political science courses are available for honors credit on an individual basis.

PSYCHOLOGY 820

Present day psychology, as an academic discipline, undertakes the study of the intellectual, emotional and social characteristics of human behavior, through scientific means. Courses in the department summarize information developed principally from experimental research on the biological basis for behavior, human development, learning, memory and intellectual capacity, motivation and emotional behavior, language and thought, and the characteristics of behavior important in interpersonal and social relationships. In addition to emphasizing a general understanding, attention is given to the differences among individuals. Some applications of this basic information are briefly covered, but the complexity of the subject matter severely limits practical applications. Instead the student can expect to gain some appreciation of methods employed and viewpoints developed in this field, and may find these provide a useful framework and background in relation to his other educational and intellectual efforts at the University.

201. Introduction to Psychology 4 credits

202. Introduction to Psychology 3 credits

Development of human behavior in infant and child; motivation, frustration, emotion, and biological functions; intelligent behavior; learning, retention, and forgetting; social behavior, language, and thinking; personality; efficiency. Prerequisite: sophomore standing or advanced freshman standing and consent of instructor.

204. Experiential Introduction to Concepts of Human Behavior 3 credits

Lecture/discussion presentation of concepts of human behavior will be related to concurrent experiences in community agencies—e.g., schools, welfare department, county hospital. Agency placements involve a minimum commitment of 5 hours per week and will provide some direct contact

between the students and agency clients. Two hours of lecture and discussion will be required, with opportunity for additional individual discussion. Prerequisite: Consent of instructor.

205. Psychology of Human Adjustment 3 credits

Personality adjustment and maladjustment in normal persons; need, frustration, and conflict; adjustive techniques; analysis and rehabilitation. Prerequisite: Psychology 201 or 202.

This is designed as a terminal course for individuals in other areas of concentration, and **does not count toward the major in psychology.**

507. Psychology of Personality 3 credits

Modern approaches to the organization and development of personality. Prerequisite: Psychology 201 or 202.

530. Introductory Social Psychology 3 credits

Introduction to the general area of social psychology covering such topics as motivation, attitude, value, communication, leadership, etc. Prerequisites: Psychology 201 or 202, or Sociology 101 or Anthropology 100; also sophomore standing or consent of instructor.

560. Child Psychology 3 credits

Learning principles; motor, language, emotional, and social development of the child. Emphasis on experimentation and systematic investigation. Prerequisite: Psychology 201 or 202.

SOCIAL SCIENCE 890

201. Proseminar on Developing Nations: Asia 3 credits

A comparative analysis of economic, political and social problems confronting Asian states, stressing the factors leading to change and affecting the development of modern institutions and processes. Prerequisites: Any course in the social sciences (history, sociology, etc.) and consent of instructor. Course may be elected for credit in economics or political science.

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SOCIOLOGY* 900

Sociology is the science of those aspects of human behavior dependent on the fact that man lives within groups. The sociologist studies the systems of interpersonal relations identifying social aggregates; the patterns of interaction between these groups; the major institutional structures and functions; and the components of personality determined by group membership. In some courses, the emphasis is on fundamental knowledge; in others, it is on the application of this knowledge to the problems of our own and other societies.

Specialization in sociology may lead to graduate study, preparatory to a variety of public and private research positions, or teaching. Sociology may provide a valuable supplement to training in the other behavioral sciences and in professional fields like business, law, journalism, industrial relations, international affairs, social work, and personnel administration. In addition, the study of sociology contributes insight and understanding to the responsible member of society.

101. Man in Society: An Introduction to Sociology 3 credits

A course in interrelations of personality, society and culture; social processes, structures, institutions and functions as they affect the building up and tearing down of society. Open to freshmen.

102. Social Disorganization 3 credits

Conditions and processes in personal and social maladjustment; nature of social problems, their relation to social change and basic ideological, technological, and institutional structures and processes. Open to freshmen.

224. Problems of American Minority Groups 3 credits

The nature, problems and adjustments of American racial, religious, ethnic and nationality groups; proposals for reductions of intergroup tensions. Prerequisites: sophomore standing, and an introductory course in sociology or consent of instructor.

260. Marriage and Family 3 credits

Nature of the family. Processes of courtship and marriage inter-

action. Correlation of physiological, psychological, economic and sociological contributions to marriage and family life. Prerequisite: sophomore standing or consent of instructor.

278. Contemporary American Society 3 credits

Patterns of contemporary social life in the United States and Canada; cultural orientations, social structures and dynamics of social change. Prerequisite: sophomore standing.

530. Introductory Social Psychology 3 credits

(Same as Psychology 530.) Introduction to the general area of social psychology, covering such topics as motivation, attitude, value, communications, leadership, etc. Prerequisites: sophomore standing and Sociology 101, or Anthropology 100, or Psychology 201 or 202.

*Sociology staff members at the various campuses will be offering additional courses in their areas of special competence. The Madison campus requirement of junior standing which may be prerequisite to such courses will be amended to a prerequisite of sophomore standing for Center System students, but a Center System student can take only one such course (number 300 to 699) during his sophomore year. Sociology 530 is excluded for this purpose.

SOILS 908

101. Soils and Soil Fertility 4 credits

Introductory general survey of the field. Prerequisite: Chemistry 102 or equivalent.

SPANISH 912

The University Center System's department of Spanish offers the work of the first three years of language study. Courses of the first four semesters are designed to develop basic skills in speaking, listening comprehension, reading and writing as rapidly and thoroughly as feasible. Courses in literature are devoted to the study of Spanish literature as such, and the third-year composition and conversation courses offer additional practice in these two phases of language work.

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Thus, the department provides the basic knowledge essential for later more advanced and specialized work in Spanish. In addition, the department aims to increase students' awareness of the importance of literary-cultural studies as a means toward the fullest possible realization of the individual's potential.

103. First Semester Spanish 4 credits

Spanish grammar, elementary reading, oral practice, and cultural background. For students who have had no Spanish.

104. Second Semester Spanish 4 credits

A continuation of above course. Prerequisite: Spanish 103 or 1 year of high school Spanish.

203. Third Semester Spanish 4 credits

204. Fourth Semester Spanish 2-4 credits

Intensive class reading; study of vocabulary, idioms, and constructions; oral and composition practice. Prerequisite: Spanish 203 or 3 years of high school Spanish.

221. Elementary Survey of Spanish Literature 3 credits

Introduction to the study of Spanish literature; readings, discussions, literary history. Twelfth to seventeenth centuries. Prerequisite: Spanish 204 or equivalent.

222. Elementary Survey of Spanish Literature 3 credits

A continuation of Spanish 221. Eighteenth to twentieth centuries.

225. Third-Year Conversation and Composition 3 credits

Emphasis on oral and composition practice. Prerequisite: Spanish 204 or equivalent.

226. Third-Year Conversation and Composition 3 credits

A continuation of above course. Prerequisite: Spanish 225 or equivalent.

SPEECH 920

The department of speech offers basic courses dealing with the theory and practice of communication in its many forms, including public address, group discussion, oral interpretation, broadcasting, and theater. The courses are designed to sharpen the student's awareness of the crucial role of communication in the modern world and to help him develop and improve his communication skills. Complementing the formal instruction is a co-curricular program in forensics and theater which provides students the opportunity to practice their skills in competition and public performance.

100. Theater Laboratory 0-1 credits

Practical application of the principles of acting, directing, stagecraft, and/or management through actual participation in dramatic productions. Specific requirements will be made by the instructor depending upon area or areas assigned. Open to all students every semester by consent of instructor. (Credit will not transfer to the UW-Madison, but the course will count toward Theater Division practicum requirements.)



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101. Fundamentals of Speech 3 credits

Instruction in the principles of preparing and presenting effective public messages. Application of these principles in the analysis of contemporary speeches and in the presentation and critique of student speeches. Open to freshmen. Not open to those who have had Speech 105 or 181.

130. Introduction to Dramatic Arts 3 credits

Study of the nature of drama, important plays, and presentation on stage, in motion pictures, by television. Open to freshmen.

160. Speech and Human Behavior 3 credits

Consideration of the nature of public discourse through the study of leading theorists, examination of fundamental problems and concepts, and analysis of examples of public discourse. Open to freshmen.

230. Fundamentals of Oral Interpretation 2 credits

Emphasis on understanding literature through study of meaning, imagery, mood, and theme. Analysis and development of techniques in presentation. Prerequisite: Sophomore standing; for speech majors a beginning speech course. Open also to second semester freshmen who have successfully completed Speech 101, 105, or 181, and with consent of instructor.

231. Elements of Dramatic Production 3 credits

Play analysis, fundamentals of acting, directing, staging, lighting, costuming and make-up, theatre organization and business management. Not open to theatre concentration majors. Prerequisite: Sophomore standing. Open also to second semester freshmen who have successfully completed Speech 101, 105, 130, or 181, and with consent of instructor.

232. Fundamentals of Acting 3 credits

Action, voice, and analysis of character for portrayal of realistic roles in proscenium and arena. Prerequisite: Sophomore standing. Open also to second semester freshmen who have successfully completed Speech 101, 105, 130, or 181, and with consent of instructor.

241. European Drama and Theatre: Ancient Greece to the 17th Century 3 credits

Drama and theatre in Europe from 500 B.C. to 1642. Prerequisite: Sophomore standing. Open also to second semester freshmen who have successfully completed Speech 101, 105, 130, 160, or 181, and with consent of instructor.

242. European Drama and Theatre: From the 17th Century 3 credits

A continuation of Speech 241 but may be taken as an independent unit. Drama and theatre in France, England, Germany, Italy, and Scandinavia from the 17th Century to the present. Prerequisite: Sophomore standing. Open also to second semester freshmen who have successfully completed Speech 101, 105, 130, 160, or 181, and with consent of instructor.

250. Survey of Radio, Television, Film as Mass Media 3 credits

A survey and analysis of the history, regulation, scope, social implications and problems of American radio, television, and film as mass media. Prerequisite: Sophomore standing. Open also to second semester freshmen who have successfully completed Speech 101, 105, 130, 160, or 181, and with consent of instructor.

266. Theory and Practice of Group Discussion 3 credits

Study of the structure and dynamics of small group decision-making. Includes critical and creative problems in group interaction processes. Prerequisite: Sophomore standing. Open also to second semester freshmen who have successfully completed Speech 101, 105, 160, or 181, and with consent of instructor.

343. Continental Drama—Late Nineteenth Century 3 credits

A study of the development of modern realistic drama, its nature, trends and impact, through the plays of Buchner, Ibsen, Zola, Strindberg, Chekhov, Hauptmann, and others. Prerequisite: Sophomore standing.

344. Continental Drama—Twentieth Century 3 credits

The development of realism and expressionism in the plays and dra-

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matic theory of Wedekind, Pirandello, Anouilh, Nietzsche, Ionesco, and Brecht. Prerequisite: Sophomore standing.

464. Theory and Practice of Persuasion 3 credits

Consideration of principles, processes and methods of persuasion with practice in the preparation and delivery of various types of persuasive speeches; includes critical and creative problems in both oral and written forms. Prerequisite: Sophomore standing. Open also to second semester freshmen who have successfully completed Speech 101, 105, 160, or 181 and with consent of instructor.

Note: Courses in which the Speech Proficiency Requirements for the University Teaching Certificate may be met are: 101, 230, 232, 266, 464. Also 130 at certain campuses.

ZOOLOGY 970

The decisions eventually to be made by students as private persons, family members, husbandmen of the environment, citizens of the city, state or world . . . will benefit from an understanding of living things at all levels of biological organization. The increase of such understanding is one of the main goals of this department. A second goal is the preparation of students for further study in the biological and related sciences. The introduction of the techniques of science, the major fundamental concepts and the presentation of selected examples of the body of knowledge illustrating them, are the tasks of the staff of scientist-teachers.

101. Animal Biology 5 credits

General biological principles—structure and function of cells, histology, embryology, heredity and evolution; survey of the animal kingdom; and structure and function of the vertebrate body.

125. General Zoology—TV 5 credits

Selected areas of biology treated in depth. Lecture-demonstrations by means of television, laboratory taught by audio tutorial method.



160. Heredity (See Botany 160 and Genetics 160) 3 credits

A general course in genetics designed especially for students not specializing in science; principles of heredity with applications to plant, animal and human inheritance; current advances in genetics and their bearing on the life sciences; lecture, demonstration and discussion. Prerequisites: An elementary biology course and sophomore standing are recommended.

300. General Invertebrate Zoology 3 credits

Structure, function, classification and life histories of the major groups of invertebrates. Prerequisites: introductory course in zoology and sophomore standing.





ADMINISTRATION

ADMINISTRATION

174 ADMINISTRATIVE OFFICERS 1969-70

FRED HARVEY HARRINGTON.....President of the University

ROBERT L. CLODIUS.....Vice President of the University

L. H. ADOLFSON.....Chancellor, University Center System

DURWARD LONG.....Vice Chancellor

DARWIN A. SLOCUM.....Assistant Vice Chancellor for Student Affairs

JAMES R. BATT.....Assistant to Chancellor

ROBERT L. BORCHERDING.....Director of Business Affairs

MRS. GLADYS S. MEIER.....Registrar and Director of Admissions

ROGER E. SCHWENN.....Director, Center System Libraries

ART E. MANCL.....Architect and Planner

MRS. TRUDI STONE.....Secretary of the Faculty

DAVID R. STUCKI.....Director of Institutional Studies

MISS MOLLIE E. BUCKLEY.....Director of Public Information

ANTONE F. KUCERA.....Coordinator of Student Financial Aids

NORMAN S. KADERLAN.....Coordinator of Lectures and Fine Arts

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1969-70 Academic Year

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ADMINISTRATION

176

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1969-70 Academic Year

Instruction in the University Center System is supervised by the following departmental chairmen who are resident on the Madison or Center campuses.

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Art Education.....	James A. Schwalbach
Botany and Zoology.....	William R. Schmitz
Business Administration.....	Irving K. Christiansen
Chemistry and Physics.....	Emory D. Fisher
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Engineering.....	Donald E. Gritzmacher
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Mathematics.....	Marion B. Smith
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Physical Education.....	Carl E. Sanger
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Psychology.....	Charles S. Bridgman
Speech.....	David F. Hundhausen





BULLETINS

Many colleges and schools at the University's four-year campuses publish their own bulletins. This section contains a listing of those bulletins, and information on how to obtain them.

BULLETINS

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UNIVERSITY OF WISCONSIN-MADISON—The following bulletins are available from the Director of Student Affairs at your Center System campus, or from the University News and Publications Service, 19 Bascom Hall, Madison 53706.

Preview (general information about Madison, Milwaukee, Green Bay, Parkside and Center System campuses, and University Extension)

College of Letters and Science

College of Agricultural and Life Sciences

School of Business (includes the course in Construction Administration)

School of Education (includes art, art education, occupational therapy, physical education, recreational leadership, elementary and secondary education)

College of Engineering

Graduate School (request Social Sciences and Humanities, or Natural Sciences and Engineering)

Graduate School of Business

School of Family Resources and Consumer Sciences

Integrated Liberal Studies

Law School

Library School

Medical School

Medical Technology

Music at Wisconsin

School of Nursing

Occupational and Physical Therapy

School of Pharmacy

School of Social Work

For information and bulletins about Summer Sessions (Madison), write: Summer Sessions, 602 State Street, Madison, Wisconsin 53706.

UNIVERSITY OF WISCONSIN-MILWAUKEE — The following bulletins are available from the Office of Admissions and Records, 217 Mitchell Hall, Milwaukee, Wisconsin 53201.

General Information Brochure

College of Letters and Science

College of Applied Science and Engineering

School of Architecture
School of Business Administration
School of Education
School of Library and Information Science
School of Nursing
School of Social Welfare
Graduate School Bulletin
Summer Sessions Bulletin

UNIVERSITY EXTENSION—For more information about Independent Study through University Extension, write: Independent Study, 227 Extension Building, 432 North Lake Street, Madison, Wisconsin 53706.

UNIVERSITY OF WISCONSIN-GREEN BAY — For catalog and bulletins write: Office of Student Services, Deckner Avenue Building, University of Wisconsin-Green Bay, Green Bay, Wisconsin 54302.

UNIVERSITY OF WISCONSIN-PARKSIDE — For information and bulletins write: Office of Student Services, University of Wisconsin-Parkside, Wood Road, Kenosha, Wisconsin 53140.





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UNIVERSITY CALENDAR 1970-72

UNIVERSITY CALENDAR 1970-72

Summer Session

1970

Eight-week session begins	June 22 (M)
Independence Day, legal holiday	July 4 (S)
Eight-week session ends	Aug. 15 (S)

First Semester

1970-71

New student advising and pre-registration	June, July, and August
Registration days	Sept. 16-18 (W-F)
Instruction begins	Sept. 21 (M)
Thanksgiving recess	Nov. 26-29 (Th-Su)
Christmas recess begins	Dec. 19 (S, noon)
Classes resume	Jan. 4 (M)
Study period (no classes or exams)	Jan. 20, 21 (W-Th)
Final examinations	Jan. 30-Feb. 2 (F-S)

Second Semester

1971

Registration days	Feb. 2-5 (Th-F)
Instruction begins	Feb. 8 (M)
Spring recess	April 9-18 (F-S)
Memorial Day, holiday	May 30 (Su)
Study period (no classes or exams)	June 2, 3 (W, Th)
Final examinations	June 4-12 (F-S)

Summer Session

1971

Eight-week session begins	June 28 (M)
Independence Day, legal holiday	July 4 (Su)
Eight-week session ends	Aug. 21 (S)

First Semester**1971-72**

Advance Registration—New Freshmen	June 21-July 30
Registration days	Sept. 15-17 (W-F)
Instruction begins	Sept. 20 (M)
Thanksgiving recess	Nov. 25-28 (Th-Su)
Christmas recess begins	Dec. 18 (S, noon)
Classes resume	Jan. 3 (M)
Study period (no classes, no exams)	Jan. 19, 20 (W, Th)
Final examinations	Jan. 21-29 (F-S)

Second Semester**1972**

Registration days	Feb. 1-4 (Tu-F)
Instruction begins	Feb. 7 (M)
Spring recess	March 31-April 9 (F-S)
Memorial Day, holiday	May 30 (Tu)
Study period (no classes, no exams)	May 31, June 1 (W, Th)
Final examinations	June 2-10 (F-S)

Summer Session**1972**

Eight-week session begins	June 26 (M)
Independence Day, legal holiday	July 4 (Tu)
Eight-week session ends	Aug. 19 (S)