

FOND DU LAC CAMPUS CATALOG



1972 - 1973



UNIVERSITY OF WISCONSIN CENTER

FOND DU LAC

**1972-73
Catalog**

**University of Wisconsin Center
Fond du Lac**

University of Wisconsin Center - Fond du Lac

1972-1973 Calendar

First Semester, 1972-1973

Wednesday, August 23	Registration begins.
Thursday, August 24	Registration concludes.
Friday, August 25	Classes begin at 8:00 a.m.
Monday, September 4	Labor Day, no classes.
Tuesday, September 5	Last day to add classes or to enroll for a full program.
October 2-6	Six-week examination period.
Friday, October 27	Last day students may drop courses without special consent.
Wednesday, November 22	Thanksgiving recess begins at 11:50 a.m.
Monday, November 27	Classes resume at 8:00 a.m.
December 15-21	Semester examinations (includes Saturday, Dec. 16).
Thursday, December 21	End of first semester.
Tuesday, December 26	Final grades due at 12:00 noon.

Second Semester, 1972-1973

Wednesday, January 10	Registration begins.
Thursday, January 11	Registration concludes.
Friday, January 12	Classes begin at 8:00 a.m.
Monday, January 22	Last day to add classes or to enroll for a full program.
February 19-23	Six-week examination period.
Friday, March 16	Last day students may drop courses without special consent.
Friday, April 13	Spring recess begins at 5:50 p.m.*
Tuesday, April 24	Classes resume at 8:00 a.m.
May 9-16	Final examinations (no exams on Saturday, May 12).
Wednesday, May 16	Semester concludes at close of exam schedule.
Tuesday, May 22	Final grades due at 12:00 noon.

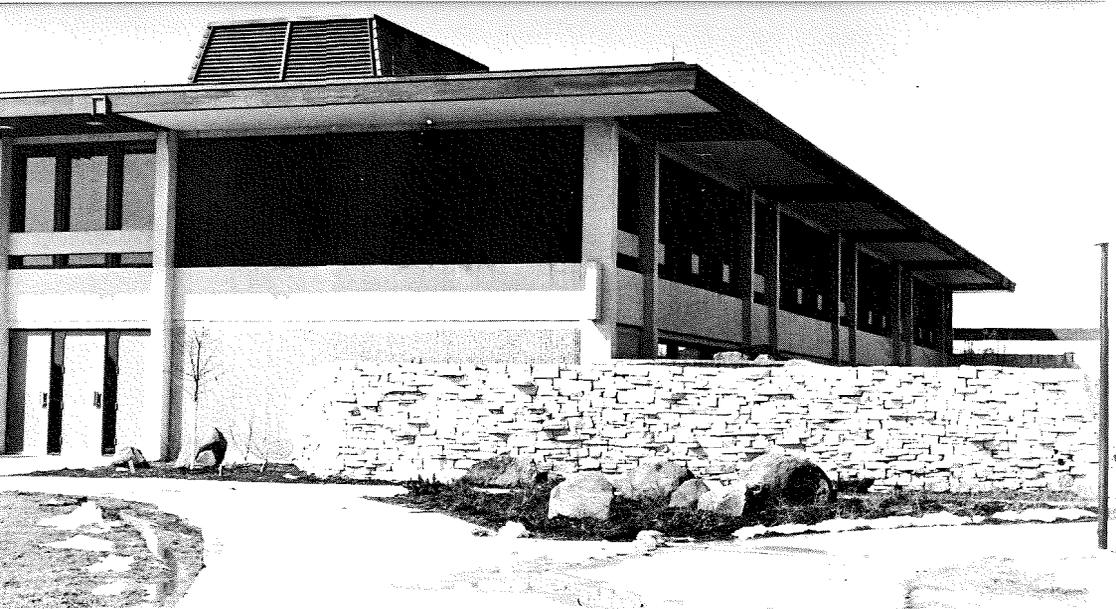
Summer School, 1973

Monday, June 11	Registration.
Tuesday, June 12	Classes begin at 8:00 a.m.
Wednesday, July 4	Independence Day recess.
Friday, August 3	Classes end.

*Easter Sunday, April 22

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1972-73 Campus Calendar

The Center academic calendar on page 2 contains some of the major academic dates of concern to students. Other dates which become important will be posted on official Center bulletin boards and/or published in student publications.

In addition to the academic calendar, the Center maintains an activity calendar through the student center. Periodically the student center posts the dates of coming events so that students can take advantage of those events and activities which are of special interest to them.

It is university policy that no person shall, on the ground of race, color, sex or national origin, be excluded from participation in, be denied the benefits of, or be subject to discrimination under any program or activity of University of Wisconsin Center-Fond du Lac.



The University of Wisconsin Center Fond du Lac

Objectives of the Fond du Lac Center

The primary mission of the University of Wisconsin Center - Fond du Lac is to provide quality instruction in freshman-sophomore collegiate curricula, selectively determined to meet student needs, and the local needs of the communities served by the Fond du Lac Center. In this context, the Fond du Lac Center is committed to assuring the fullest possible development of each student's academic potential, cultural and human sensitivity, and social usefulness. The Fond du Lac Center has the responsibility to provide the educational environment of a high quality liberal arts institution. The proximity of UW-Oshkosh adds an important dimension of strength to the Fond du Lac Center and necessitates maintaining a viable working relationship with that institution.

Governance and Affiliation

The Fond du Lac Center is part of the University of Wisconsin System which includes thirteen degree-granting universities and a Center System composed of fourteen two-year centers. The Center System is governed by the Board of Regents of the University of Wisconsin System through the system president, the chancellor of the Center System, and center deans.

History and Location

History is the story of people, and the history of the Fond du Lac Center is primarily the story of the people of Fond du Lac County. The story began in 1963 when the Wisconsin Coordinating Council for Higher Education (CCHE) designated Fond du Lac as a potential site for a two-year branch campus as part of its "out-reach" plan designed to bring quality higher education within easy reach of students.

In response to the CCHE, a Citizens' Committee of Fond du Lac residents began exploratory studies which led to a formal resolution in 1966 by the Fond du Lac County Board of Supervisors expressing its desire to support such a campus. Following the Board's resolution, the CCHE designated the State University System as administrative agent for the campus; and in April of 1966, the Board of Regents of State Universities assigned operational responsibility to Wisconsin State University-Oshkosh. During the same month, the County Board created a campus committee from within its membership and passed an enabling resolution authorizing the committee to proceed with the development of the campus. The campus committee in June, 1966, recommended to the Board a site for the campus (eventually consisting of approximately 182 acres north and east of the Vocational, Technical, and Adult School), and, at the same meeting, the County Board authorized the committee to interview and, ultimately, to recommend an architectural firm.

In August, 1966, the County Board authorized the campus committee to exercise options on the land, and to hire an architectural firm to design the

campus. October, 1966, saw the County Board receive cost estimates, approve the campus plan, and instruct the campus committee to proceed with applications for federal aid. (Subsequently, the State Aids to Higher Education Board recommended to the Federal Government that \$1,840,310 in federal funds be granted to Fond du Lac County to help defray construction costs. The cost of the project, including the site and construction contracts approved, amounted to \$5,156,549.)

Bids were opened on September 19, 1967, and construction began on September 27. The campus opened in the fall of 1968.

In 1971, the State University and the University of Wisconsin systems merged into the University of Wisconsin System of which the Fond du Lac Center became a part, and on July 1, 1972 became a part of the University of Wisconsin Center System, which includes fourteen two-year collegiate institutions.

The Center is located on the northeast side of the City of Fond du Lac near the intersection of East Johnson Street and Prairie Road.

Accreditation

The Fond du Lac Center is a center of the University of Wisconsin System, which is fully accredited by the North Central Association of Colleges and secondary Schools. Consequently, course work successfully pursued at the center is fully accredited. Credits earned at the Fond du Lac Center will transfer to institutions in the University of Wisconsin System and to other institutions in and out of Wisconsin.

Library Service

The library offers an open stack collection of material to meet student and faculty needs. A broad reference collection is available to supplement library holdings geared to the freshman-sophomore level college student. To add a greater dimension, the resources of the Forrest R. Polk Library at the University of Wisconsin-Oshkosh are available for both direct and interlibrary loan to students and faculty. Polk Library also has on deposit a collection from the Wisconsin State Historical Society, and it is a partial depository for the Government Document Collection.

Regular Terms

The center operates on the semester system, with the first term opening in August and the second in mid-January. Freshman pre-registration and orientation for the first term is handled at specifically designated times, usually in the summer. Registration for students is as indicated by the calendar printed in this catalog.

Summer Terms

Summer sessions are terms designed to serve both regular and special students. A complete listing of summer courses is contained in the annual summer publication of the Fond du Lac Center.

Continuing Education

An important function of the Fond du Lac Center is to provide programs of adult and continuing education to residents of the area, thereby assisting the center to become a focal point of community service and cultural activity.

Fond du Lac Center continuing education classes are organized in cooperation with the University of Wisconsin-Oshkosh, the University of Wisconsin Extension Division, and various state and community agencies.

Persons enrolling in continuing education courses should check with their advisors to make certain that the courses meet the requirements of the curriculum in which the student is involved.

Evening Credit Program: Undergraduate and graduate courses are offered evenings at the Fond du Lac Center each semester. These classes attract diverse participants: some are working toward degrees, while others are enrolled as "special students" simply for intellectual stimulation or personal satisfaction. Anyone 18 years old or older may enroll as a "special student."

A regular day program student who wishes to enroll in evening credit courses should confer with his coordinator to make certain that the courses meet the requirements of his curriculum or program. A student in **dropped** status may enroll for no more than 3 credits per semester upon recommendation by the coordinator of the school in which he was last registered. Extension students wishing to obtain a degree from the university must file a long form application for admission to the university. Admission forms are available in the Admissions Office.

Non-Credit Programs: Non-credit seminars, conferences, and special interest programs in the professions, the arts, the humanities, and the sciences are offered each semester.

Through an exchange of views with faculty from many disciplines, and with program participants from widely varied backgrounds, these programs provide an opportunity to concentrate on the immediate present in which Americans live, to read of and discuss the issues of our time, and to explore the composite character of our individual responses. Non-credit programs are open to everyone, regardless of educational background.

Credit and non-credit program brochures are available from the Office of Educational Services.

Center Buildings

Grouped around a two-acre man-made lake, the Fond du Lac Center is comprised of six newly constructed buildings. This complex of buildings will accommodate an enrollment of 900 students. The Center is so designed that by adding to the library and student center and by constructing another science building and another classroom building, the capacity can be doubled to 1800 students.

The Center is modern in every respect, with buildings designed to provide maximum flexibility in interior space arrangements. Provisions have been made

to incorporate the latest instructional developments and innovations in the areas of closed circuit and regular television, programmed instruction, and individual study.

All the buildings, with the exception of the physical plant and the physical education building, are fully air-conditioned. Carpeting is used extensively throughout the classroom building, the library/administration building, the student center, and, where practical, in the science building for its acoustical and maintenance qualities and for its positive affect upon the total teaching and learning environment.

Classroom Building

This two-story building contains 21 non-specialized classrooms and lecture rooms of varying sizes to provide flexibility. Included also are 22 faculty offices and a conference room.

Science Building

The science building, a two-story structure, houses teaching laboratories for the following courses: general biology, physiology-anatomy, general chemistry, quantitative and organic chemistry, physics, geography-geology, statistics, engineering drawing, and art. Necessary preparation and storage spaces are conveniently located to add to the efficient utilization of the laboratories. A business administration classroom, an art classroom, a science lecture room, a science classroom, and 13 faculty offices complete the facilities contained within this building.

Library/Administration Building

The library, containing approximately 11,000 square feet, occupies the first floor of this two-story building. A large reading room, two study rooms, a typing room, and a microfilm room are included within the library. The open stack arrangement is used, with sufficient stack space for over 40,000 volumes. Facilities contained on the second floor include the electronic language laboratory with an adjoining classroom, audio-visual classrooms and work areas containing individual study carrels, and administrative and business offices. The language laboratory and audio-visual facilities combine with the library in forming an effective learning resource center.

Student Center

The two-story student center features a snack bar and dining area, a lounge, a recreation room, a book store, a publications area including a dark room, and the counseling and guidance facilities. Located next to the library, the student center is a focal point of student social and cultural activities.

Physical Education Building

The gymnasium contained in this one-story building includes a college-size basketball court, as well as excellent facilities for men's and women's physical education classes and intramural sports. Music facilities, including a large rehearsal room, individual practice rooms and storage areas, and the health offices also are included within this structure.

Heating Plant

This two-story building contains the central heating and air-conditioning units, a garage, a maintenance shop, and receiving and storage areas.

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P L E A S E N O T E !

Extensive changes are being made in the State and Federal financial aid programs. It appears that we will have the following types of financial aid during 1973-74:

State Programs--

- Wis. Higher Educational Grants
- Wis. State Loans
- Wis. Indian Grant Program
- Wis. Student Loan

Federal Programs--

- College Work-Study
- Guaranteed Student Loans
- Basic Opportunity Grants
(A new program of grant aid yet to be defined)
- Law Enforcement Grants
(possibly)

It may be June, 1973, before the financial aid programs for next year are clearly defined. The important thing is that you complete the application process as soon as possible.

Academic Procedures and Policies

Admission to the University of Wisconsin Center-

Fond du Lac

Admission Requirements

- A. The Board of Regents has established the following requirements for admission as a new freshman to the University of Wisconsin Center-Fond du Lac. The requirements are identical for a resident and for a non-resident student.
1. Graduation from a legally established public or private high school with 16 units of work. (A unit represents a norm of five class periods per week in one field of study for a school year of 36 weeks.)
 2. Recommendation by the high school principal or counselor that the student be admitted.
 3. A minimum of nine units of credit from the following fields: English and speech, foreign language, natural science, history and social science, and mathematics. (A minimum of three years of English is recommended.)
 4. Completion of the American College Test (ACT) or a comparable test.
 5. A student ranking at or above the 25th percentile (upper three-fourths) of his high school graduating class will be admitted in good standing if requirements 1, 2, 3 and 4 are satisfied.
 6. A student ranking below the 25th percentile (lower one-fourth) of his high school graduating class will be admitted on probation if requirements 1, 2, 3 and 4 are satisfied and if his ACT composite standard score is 17 or more.
 7. A student who has satisfied requirements 1, 2, 3 and 4 but does not qualify on the basis of requirements 5 or 6 will be required to enroll at a summer session at any accredited University for the purpose of demonstrating his scholastic ability on the university level. If he carries 6 credits of work or more and earns an overall grade point average of 1.5 or better on a 4.0 scale, he will be admitted on probation for any semester or quarter.
 8. Students who are service veterans or are 21 years of age or older may be admitted by giving satisfactory evidence of scholastic ability on the university level.
- B. A student wishing to transfer to the Fond du Lac Center will be considered for admission if his academic record compiled at all schools previously attended meets the retention standards applied to students already enrolled at Oshkosh.
- C. Readmission Procedures.
- When a student drops out of the university for at least one semester he is required to complete a readmission form. The form may be obtained at the Educational Services Office, where it will be processed and a "Permit to Register" issued.

Students who were suspended because of poor scholarship follow the above procedure, and once readmitted, must fulfill requirements listed under SCHOLASTIC STANDARDS.

D. Others.

By Board of Regents resolution, **students who are not high school graduates** shall be admitted as candidates for a diploma or degree on giving satisfactory evidence of being able to do college work, if they are twenty-one years of age or if they have served honorably in the United States Armed Services.

Advanced Placement and Credit by Examination

The Fond du Lac Center will assist students in earning appropriate credit based upon examinations in the Advanced Placement Program of the College Entrance Examination Board. Credit will be granted if the score on the examination is "3" or above and such credit is applicable to the student's degree requirements. Credit by exam is also granted under the College-Level Examination Program (CLEP) of the College Entrance Examination Board. For further information contact the Director of Student Services.

Admission Procedures

1. Students planning to attend the Fond du Lac Center should write the Director of Admissions for an application form. After completing the student section, the form is to be turned over to the principal or counselor of the high school from which the student is graduating or has been graduated. The principal completes the application and returns it directly to the Admissions Office in sufficient time to permit the director to pass upon the student's credentials and to notify the applicant of his acceptance or rejection before the opening of the university year.

2. The A.C.T. (American College Test) or the S.A.T. is required for admission of students who attend a state university. (S.A.T. may be substituted, but A.C.T. is preferred). It should be taken during the junior or senior year of high school at one of the testing centers located throughout the state. The test is used for guidance purposes throughout the student's college career.

3. All students entering the university for the first time for residence study shall furnish a certificate of physical examination by a registered physician; health examination forms will be furnished by the Admissions Office. In cases where religious beliefs prohibit such examinations, a certificate of waiver from legal claim for death or injury due to physical disability shall be filed with the Health Office.

Admissions Deadlines

All applications to the fall semester 1972 must be completed and filed in the Admissions Office on or before August 4, 1972. All applications to the second semester 1972-73 must be completed and filed in the Admissions Office on or before December 22, 1972.

Transferring to the Fond du Lac Center

A student who is transferring to the Fond du Lac Center from another institution follows the general admissions procedures, and in addition must file a transcript of credits from each college and university attended. In order to be admitted, the transfer applicant must be eligible to continue at the school from which he is transferring. He also must meet the general admission requirements of the University of Wisconsin System.

Continuing Study at UW-Oshkosh

When a student attending classes at the Fond du Lac Center is at the point where he will continue his studies on the UW-Oshkosh Campus, the Office of Educational Services should be notified so that copies of records can be sent from the Fond du Lac Center to the UW-O registrar and to the dean of the school the student will enter. (School of Business Administration, School of Education, School of Letters and Science, School of Nursing.) The deans of the school will inform the proper subject area department chairman so that an advisor in the students' major field can be assigned. A student may transfer up to 72 hours of credit from two year campuses to the Oshkosh Campus.

Transferring to Another Institution

A Fond du Lac Center student who wishes to transfer to another university or college makes application to the school he plans to attend. Application includes the filing of a transcript of credits, which will be sent upon request of the student from the Fond du Lac Center to the school involved. Students should be familiar with the programs and requirements of the school from which a degree is anticipated, so that course work taken at Fond du Lac will be appropriate. Students who plan to transfer to a degree-granting state campus can transfer up to 72 credit hours of work.

Registration and Orientation

New students are programmed and pre-registered for classes during orientation sessions held on the campus during the summer. The student will have an opportunity to plan his academic program with an advisor as part of the process. Students register according to the information which is obtained during the orientation program.

Students admitted late may program with an advisor and register for classes at the start of the semester according to instructions received from the Admissions Office.

Continuing students already in attendance will program with an advisor during the current semester and register according to instructions received from the Educational Services Office.

Students may enter the university at the beginning of either semester or summer school. Attendance in a summer session does not automatically admit a student to the fall semester. Students who first attend the Fond du Lac Center during a summer session and also plan to enroll in the fall semester must apply

for admission for each separately. A late student may register during the first ten days of any given semester and during the first five days of a summer session.

Evaluation of Credits

A tentative evaluation of credits for students transferring to the Fond du Lac Center and planning to graduate from the University of Wisconsin-Oshkosh is made in the Admissions Office. All other evaluations are made in the Educational Services Office. They stand for a period of five years. If a student's curriculum is not completed within that time, the university reserves the right to revise the evaluation of his credits.

Attendance

The center does not recognize "cuts." Students are expected to be present for each scheduled class session. While attendance and punctuality are under the control of the instructor, the administration is concerned with these matters. A number of general regulations do apply:

(1) The student is directly responsible to each of his instructors for attendance in each scheduled class.

(2) The instructor may initiate his own policy regarding attendance for each course he teaches; if the instructor teaches more than one section of a course, the same policy should be used by the instructor for all such sections.

(3) The instructor should announce his policy to each of his classes during the first two weeks of the semester, but it is the responsibility of the student to know the policies of his instructors.

(4) If students must be absent to participate in a group activity sponsored by the university and approved by the Dean, the group's faculty advisor or the instructor in charge should provide a signed excuse at the request of a participating student.

(5) A dean may recommend that a student be excused who incurs an absence for personal reasons.

(6) A physician may, at his discretion, recommend that a student who incurs an absence for health reasons be excused.

(7) In all cases of absence, excused or otherwise, the student is responsible for completing missed work. The instructor is not required to do extra teaching unless so assigned.

Credits

Credit for work at the campus is expressed in semester hours. A credit of one semester hour represents the satisfactory completion of the work of one recitation a week for a period of one semester. A course having three recitations a week will therefore give three semester hours of credit. Two hours of laboratory work generally count as one credit hour. Eighteen semester hours of work (including extension, correspondence, etc.) is a maximum student academic program.

Grading System

A	Excellent	4 grade points per credit
B	Good	3 grade points per credit
C	Fair	2 grade points per credit
D	Passing	1 grade point per credit
F	Failure	0 grade point per credit
WF	Withdrawal with Failure	0 grade point per credit

WF's will be counted as F's in the determination of the semester grade point average and the machine-computed cumulative grade point average. The latter is to be distinguished from the credit-grade point ratio required for graduation. (See point 4, Specific Undergraduate Degree Requirements under Academic Program.)

The mark of I (Incomplete) is assigned only when the course has been substantially completed, the work remaining can be done without attendance at class, and because the student fails to complete all requirements by the end of the term for good cause. Incompletes assigned at the end of the first semester must be made up by the end of the following summer school. Incompletes assigned at the end of the second semester must be made up by the end of the next fall semester. If the incomplete is not made up within the allotted time, the Educational Services Office will change the I to an F on the student's permanent record. When good reason for an extension of time is given to the Coordinator of Advisement, the Coordinator may authorize the Director of Educational Services to grant such extension as may seem appropriate.

Classification

A student must have earned 30 semester hours of credit to be classed as a sophomore, 60 semester hours of credit to be classed as a junior, and 90 semester hours of credit to be classed as a senior.

Honors

The Honor Roll for each semester shall include the name of every student who, having carried a program of not less than 14 credits hours during that semester, has received a grade point average of at least 3.3 with no grade below C.

High-ranking students are also honored by inclusion on the semi-annual "Dean's List" issued by the Dean's Office. A grade point average of 3.75 is necessary for inclusion on these lists.

Activity Limitations

Because students may become involved in extracurricular activities to the point where academic work suffers, certain limitations on office-holding have been established. During a semester, a student may not serve more than one center organization or group as president, nor may a student be president of an organization and also editor or business manager of the university newspaper or yearbook. When a student is elected president of an organization, a statement is filed with the Office of Educational Services in which the student declares that only one such office is being held.

Academic Advisement

Every student on campus is assigned to a faculty academic advisor who, with the student's coordinator of advisement, helps the student construct, semester by semester, an academic program of course work which will meet college requirements for graduation. The advisement takes into account the student's abilities and interests, and is considered an important aspect of the work of the university. However, it is the student's responsibility to meet published requirements for graduation.

Changing A Program (Drop and Add)

When a student enrolls he must complete the work of each course in the class sections assigned as they appear on his original program, unless his program of courses is later **officially** changed. All student-initiated changes to programs which modify the original assignments to courses and class **sections** as they appear on the completed registration materials must be made in accordance with the following procedures:

After classes have begun, a student who wishes to change his program by adding or dropping a course, substituting one for another, or changing class sections, must do so before the final date as established in the university calendar on page 2. He does so by securing and completing a drop and add form with his instructor. The student then confers with his advisor, obtains the advisor's signature of approval on this form, and files it in the Educational Services Office.

After the official drop period, a course may not be dropped unless a written request by the student is approved by his coordinator. A grade of W or WF will be recommended by the coordinator.

If the student does not file the drop and add form with the Educational Services Office, the change is not considered official and the student receives an F for the "dropped" section or course and no credit for the "substituted" course.

No course may be dropped during the last two weeks of classes without the grade of F.

Before classes have begun, special procedures for changing programs of course work approved by an advisor during the registration period apply. These regulations may be secured at the Educational Services Office.

Withdrawal From The University of Wisconsin Center-Fond du Lac

Withdrawal is a complete severance of connection with the center. If a student withdraws during a semester, the withdrawal procedure is initiated in person by the student, or a person designated by the student, at the Office of Student Services. Mere cessation of attendance or departure from the center does not constitute withdrawal, although a student who ceases to attend class in which he is enrolled for credits will lose the privileges of the center. Withdrawal should not be confused with the mere dropping of courses or changing of status within the same course.

Fee Refund Schedule

(See Section on Page 33.)

Scholastic Standards

Definition of Scholastic Terms

Academic Probation: This term is used to indicate that the minimum grade point standards set for the center for probation/retention have not been met. The student is officially notified, by being placed in this status, that improvement is necessary in order to be continued in attendance.

Suspension: When the given period of academic probation has been allowed and/or satisfactory progress has not been made in meeting the required academic standards of the center, a student may not be continued in attendance.

Classification: Student are classified by the number of semester credits earned: 0-29 freshman; 30-59 sophomore; 60-89 junior; 90 over, senior.

Grade Point Averages: Grade point averages are determined by the "grade point system"; they are computed by dividing the number of grade points earned at this center by the number of credits attempted at this center. Point values are related to the various letter grades as follows:

Letter Grade	Grade Points Per Credit
A	4
B	3
C	2
D	1
F (failure)	0 (counts as credits attempted)
I (incomplete)	0 (not counted as credits attempted)
W (withdrew-passing)	0 (not counted as credits attempted)
WF (withdrew-failing)	0 (counts as credits attempted)

Probation, Retention, And Suspension Policies

A student is placed on academic probation if his academic record does not meet the standard set by the center. Conversely, a student will be removed from probation at the end of any semester or summer school in which his academic record meets the prescribed standards. Special probation and retention rules apply to new freshmen and to transfer students entering on probation. All other students are allowed two semesters on probation before being suspended for failure to meet minimum standards. It is the student's responsibility to notify the Educational Services Office of any change in his probationary status.

New Freshmen Entering on Probation

Probation is removed if a student earns a grade point average of 1.6 or more on 18 or less credits earned, or a 1.8 on 19 or more credits earned. A freshman who enters on probation and earns less than the required grade point average as outlined above will be given a second semester on probation to raise his G.P.A. to the accepted level. Failure to do so will cause the student to be suspended for one semester.

Transfers Entering on Probation

A transfer student who is admitted on probation and fails to earn the required grade point average at the conclusion of the first semester in attendance at this center will be suspended for a period of one semester. A transfer student who is admitted on final probation and fails to earn the required grade point average at the conclusion of the first semester in attendance at this center will be suspended for a period of two years.

Minimum Probation and Retention Standards

A student is placed on probation if he fails to meet the following grade point averages:

Credits Earned	GPA
0-18	1.6
19-48	1.8
49 and above	2.0

Any student will be suspended from this center at the end of any semester in which he does not meet the following minimum standards:

Credits Earned	GPA
0-18	.75
19 and above	1.00

Suspension

The student's first suspension is for a period of one semester. A student who is suspended, readmitted on final probation, and again fails to earn the required grade point average will not be eligible for readmission for a period of two years. These probation and suspension policies apply to all campuses of the university system. Thus, a student suspended for academic reasons on one state university campus may not enroll at another state university campus until he is eligible for readmission at the university which suspended him.

Transfer Students

Credits earned at regionally accredited institutions and taken in curricular areas comparable to those offered at the Fond du Lac Center will generally be considered for transfer credit. If a transfer student is admitted on any level of probation, courses in which grades of "C" or above have been earned will be accepted. If the student is not admitted on probation, courses in which grades of "D" or better have been earned will be accepted. Semester hour credits are transferred at full value. Quarter hour credits are given $\frac{2}{3}$ semester credit per quarter hour credit. Transferred credits may count toward graduation, but such grades and credits will not be used in the computation of the cumulative grade point average. The number of credits which are accepted in transfer from other universities, combined with credits earned at this Center, will determine the minimum probation and retention standards that apply in each case.

Repeated Courses

Courses may be repeated to improve a student's grade point average at this center. When a course is repeated, the most recent grade awarded is

used in computing the grade point average. In other words, the credits attempted, credits earned, and grade points resulting from the most recent attempt of a course are the ones used in computing the grade point average.

There is no limit on the number of times that a course may be repeated; however, the grade point average will be based on the last time that the course was taken. In most instances, a student will benefit from repeating a course since it is expected that the student will improve his grade. However, if he repeats a course and earns a lower grade, the lower grade will be used in the computation of grade point averages.

A grade of "C" or better must be earned in a course repeated on another campus. In this case the grade earned in a course at the Fond du Lac Center will be disregarded in computing grade point averages. Credits earned for the repeat course on another campus will transfer to this center, but will not be used in computing the student's grade point average.

Academic Appeals

If a student can satisfactorily demonstrate that his academic suspension was beyond his control or due to extenuating circumstances, he may appeal his suspension to the Appeals Board by means of the Dean's Office. Appeals should be in writing and should clearly state the extenuating circumstances that contributed to the problem. Students who continue as a result of a successful academic appeal are considered to be continuing on the second semester of probation.

Associate Degree

An Associate Degree is currently available to qualified students, as authorized by Board of Regents Resolution 3748. Students who were enrolled during the 1970-71 Spring Term, or subsequently, are eligible to apply for this degree.

Applicants for the degree must have fulfilled the following requirements at the completion of the term in which they are currently enrolled:

1. Successful completion of general education requirements and additional allowable course work to total 64 semester hours.
2. A minimum of 30 semester hours, including the last 15, must be earned in residence at the university granting the degree.
3. A cumulative grade point average of 2.0 is required for granting of the degree.

For further information concerning the Associate Degree, contact the Office of Educational Services.

Academic Requirements and Programs

Major and Minor Areas of Study

The following major and minor areas of study are available at UW-Oshkosh. Detailed outlines of course requirements and course descriptions appear in the Oshkosh catalog. Up to two years of work in most areas can be completed on the Fond du Lac Center.

AFRICAN STUDIES: Minor.

AFRO-AMERICAN STUDIES: Minor.

ANTHROPOLOGY: Major. Minor.

ART: Major [(In the School of Education, within the framework of the Bachelor of Art Education degree. In the School of Letters and Science, within the framework of the Bachelor of Science in Art degree (Fine Arts emphasis), and also within the framework of the Bachelor of Science and Bachelor of Arts General Course degrees (Art History emphasis.))] Minor—Within the School of Education only.

ASTRONOMY: Minor.

BACTERIOLOGY: See Microbiology and Public Health.

BIOLOGY: Major (General Biology, Botanical, and Zoological emphases). Minor.

BUSINESS ADMINISTRATION: Areas of Emphasis: (The School of Business Administration offers professional options in: Accounting, Finance, Administrative Management, Manpower Management, Marketing, and Operations Management.)

CHEMISTRY: Major (Professional, School of Letters and Science), Secondary. Minor.

COMMUNICATIVE DISORDERS: Major. Minor.

COMPUTER SCIENCE: Minor.

EARTH SCIENCE EDUCATION: Major. (School of Education only.)

ECONOMICS: Major. Minor.

EDUCATION: Elementary and Secondary.

ENGLISH: Major. Minor.

FOREIGN LANGUAGES: Majors in French, German, Spanish. Minors in French, German, Russian, Spanish.

GEOGRAPHY: Major (Cultural and Physical emphases). Minor.

GEOLOGY: Major. Minor.

HEALTH EDUCATION: Minor.

HISTORY: Major. Minor.

INTERNATIONAL STUDIES: Major.

JOURNALISM: Major. Minor.

LATIN AMERICAN STUDIES: Minor.

LIBRARY SCIENCE: Major. Minor.

MATHEMATICS: Major. Minor.

MICROBIOLOGY AND PUBLIC HEALTH: Major. (School of Letters and Science only.)

MILITARY SCIENCE: Curriculum.

MUSIC: Major (in the School of Education, within the framework of the Bachelor of Music Education, Instrumental, and Vocal emphases. In the School of Letters and Science, within the framework of the Bachelor of Music degree, Piano, Organ, Vocal, Instrumental, and Music Therapy emphases; and within the framework of the B.S. and B.A. General Course degrees, Vocal and Instrumental emphases.) Minor (Elementary Education).

MUSIC THERAPY: Major. (School of Letters and Science only).

NATURAL SCIENCE: Broad Field Major. (School of Education only).

NURSING: Major. (School of Nursing only).

PHILOSOPHY: Major. Minor.

PHYSICAL EDUCATION: Major and Minor for men and for women. (School of Education only).

PHYSICS: Major. Minor.

POLICE ADMINISTRATION: Training Certificate.

POLITICAL SCIENCE: Major. Minor.

PSYCHOLOGY: Major. Minor.

SAFETY AND DRIVER EDUCATION: Minor. (School of Education only)

SOCIAL SCIENCE: Broad Field Major (School of Education only).

SOCIAL WELFARE: Major.

SOCIOLOGY: Major. (Sociology-Anthropology and Social Welfare emphases.)
Minor.

SPECIAL EDUCATION: Mental Retardation: Major. (School of Education only).

SPEECH: Major. (Emphases in Speech Education, General Speech, Rhetoric and Public Address, Radio-TV-Film, and Theatre Arts). Minor.

URBAN AFFAIRS: Major. (School of Letters and Science only).

General Undergraduate Degree Requirements

All curricula leading to degrees require a minimum amount of study in certain subject areas. This study is intended to provide a background of knowledge and abilities common to all students. Specific subjects and sequences

from the areas listed below may be required by the different Schools of the University, and work may be prescribed beyond the minimum requirements in various subject areas.

Humanities

Art, Music, Drama	0- 6 credits
Literature, including Foreign Literature in translation	0- 6 credits
Foreign Language	0- 8 credits
Philosophy, except logic; Religion	0- 6 credits
Total Minimum for Area	9-15 credits

Natural Sciences

Physics, Physical Science	0-10 credits
Chemistry	0-10 credits
Astronomy, Physical Geography, Geology	0-10 credits
Biology, Botany, Zoology	0-10 credits
Total Minimum for Area	8-15 credits

(A minimum of 8 credits must be in laboratory sciences)

Social Sciences (minimum of 3 areas to be taken)

History	0- 6 credits
Geography (except physical)	0- 6 credits
Sociology-Anthropology	0- 6 credits
Economics	0- 6 credits
Psychology, Educational Psychology	0- 6 credits
Political Science	0- 6 credits
International Studies	0- 2 credits
Computer Science (Computers in Society)	0- 2 credits
Total Minimum for Area	9-15 credits

University Requirements

Composition, Speech*	3- 9 credits
Physical Education	2- 4 credits
Conservation	0- 2 credits
Non-Western Cultural Course**	3 credits
Mathematics, Logic, Computer Science—except Computers in Society***	0- 6 credits
General Education Seminars****	0- 4 credits

Total Minimum General University Requirements

42 credits

*One semester of composition required. Students earning course grades of A in first semester composition will be exempted from a requirement of 6 credits in composition.

**A student must include in the hours presented for graduation at least 3 credit hours of work from an approved list of courses with a significant non-western cultural content. [Contact Coordinator of Academic Advisement.]

***A minimum of two credits from one of the areas is required if a student has not completed 2 years of high school mathematics in areas of algebra and geometry. Students with a high school mathematics deficiency who wish to meet the 2-credit minimum in college mathematics should consult with their Coordinators of Academic Advisement.

****A General Education Seminar should be taken outside the division of a student's major.

Freshman or sophomore courses in the major and minor sequences and in the elementary education concentration may be counted in the above categories as appropriate. Certain courses which are particularly relevant for students preparing for teaching at various levels, or for certain other professional objectives, e.g. medical technology, also may be required.

All students, except those preparing for elementary school teaching, elect a major. Students preparing for high school teaching, with the exception of those preparing to teach only art or music, or those selecting a broad field science or social science major, also elect a minor. The requirement of a minor for students in secondary education is optional; permission to follow the option of selecting a single major (without a minor) may be granted by the Coordinator of Advisement in Secondary Education, in consultation with the student's advisor. Students preparing for elementary education teaching elect a subject area of concentration from one of the minors, or minor areas of concentration.

Specific Undergraduate Degree Requirements

1. All degrees require a minimum of 128 semester credits.
2. The student must have earned the number of prescribed credits and grade points in his curriculum and have completed the other requirements of the curriculum in which he is working.
3. A student must have attended this university one full year or two semesters, and must have secured at least thirty semester hours of credit in residence.
4. A student must have at least an average grade of C, which is interpreted to mean a number of grade points equal to twice the total number of credit hours earned and applicable to graduation.
5. Not more than one year's credit may be earned in extension courses (including correspondence work), and not more than one-half year's credit may be earned by correspondence.
6. One-half of the work of the senior year must be taken in residence.
7. At least 35 credits (42 in the School of Education except in junior high school and elementary education programs) must be in upper level courses (numbered 300 or above), with a minimum grade point average of 2.00.
8. A grade point average of 2.00 must be attained in English composition and in the major.
9. A student must earn twice as many grade points as credits in the last two years of a four-year curriculum. Excess grade points earned during the freshman and sophomore years may not be applied toward the number of grade points required in the junior and senior years.
10. Completion of the Undergraduate Record Examinations of the Educational Testing Service (URE) or other examinations as may be substituted by the university's Office of Testing Research and Services for evaluation of the university's effectiveness. The results of these examinations are used to counsel and advise the individual student as well as to evaluate the university's instructional programs; the results in no way affect a student's graduation eligibility.

A graduate of UW-Oshkosh who wishes to earn a second undergraduate four-year degree at the University must meet all specific requirements for the second degree and, in addition, earn 16 credits in residence which were not applied to the requirements of the first degree.

A student seeking a second degree may earn the additional credits required either before or after he completes the requirement for the first degree. That is, the student does not have to graduate and then return to earn 16 credits in residence or complete other requirements for the second degree. However, even if a student meets all requirements for two degrees before initial graduation, he cannot be awarded both degrees at the same commencement ceremony.

University and School of Business Administration Requirements

Humanities* - Electives

Art, Music, Drama	0- 6 Credits
Foreign Language	0- 8 Credits
Literature, including Foreign	0- 6 Credits
Philosophy, except Logic; Religion	0- 6 Credits
Total Minimum for Area	9-15 Credits

Natural Sciences - (Minimum of 8 lab credits) - Electives

Astronomy, Physical Geography, Geology	0-10 Credits
Biology, Botany, Zoology	0-10 Credits
Chemistry	0-10 Credits
Physics, Physical Science	0-10 Credits
Total Minimum for Area	8-15 Credits

Social Science - (Minimum of 3 areas to be taken to include Econ. and Psych. or Soc./Anthro*)

Computer Science (Computers in Society)	0- 2 Credits
Economics 36-205, 36-206, 36-210	9 Credits
Geography (except physical)	0- 6 Credits
History	0- 6 Credits
International Studies	0- 2 Credits
Political Science	0- 6 Credits
Psychology or Sociology/Anthropology	6 Credits
Total Minimum for Area	15 Credits

University Requirements

Composition**	38-101	3- 6 Credits
Speech	96-111	3 Credits
Physical Education (2 semesters of non-duplicating courses. Requirements waived for Vets.)		2- 4 Credits

School Requirements Not Indicated Elsewhere

Accounting I & II	28-201 & 28-202	6 Credits
Math***	67-204	5 Credits

*A three (3) credit course for Non-Western Studies in Humanities or Social Sciences must be taken before graduation.

**Students earning course grade of "A" in 38-101 will be exempted from 38-302.

***Early placement in Math is vital to meet prerequisites.

University and Secondary Education Requirements

Humanities

Art, Music, Drama	0- 6 Credits
Foreign Language	0- 8 Credits
Literature, including Foreign	0- 6 Credits
Philosophy, except Logic; Religion	0- 6 Credits
Total Minimum for Area	9-15 Credits

Natural Sciences - (Minimum of 8 lab credits)

Astronomy, Physical Geography, Geology	0-10 Credits
Biology, Botany, Zoology	0-10 Credits
Chemistry	0-10 Credits
Physics, Physical Science	0-10 Credits
Total Minimum for Area	8-15 Credits

Social Sciences - (Minimum of 3 areas to be taken)

Psychology, Educational Psych.* 18-387, 340; 86-201	9 Credits
Social Science course emphasizing American Cultural Traditions	3 Credits
Computer Science (Computers in Society)	0- 2 Credits
Economics	0- 3 Credits
Geography (except physical)	0- 3 Credits
History	0- 3 Credits
International Studies	0- 2 Credits
Political Science	0- 3 Credits
Sociology/Anthropology	0- 3 Credits
Total Minimum for Area	14-15 Credits

University Requirements

Composition**	38-101	3- 6 Credits
Speech	96-111	3 Credits
Conservation (required of Soc. Sc., except Psych., and Science majors and minors.)		0- 2 Credits
General Education Seminars (outside of division of student's major)		0- 4 Credits
Math, Logic, Computer Science (except Computers in Society)		0- 6 Credits
Non-Western Culture Study***		3 Credits
Physical Education (2 semesters of non-duplicating courses. Requirements waived for Vets.)		2- 4 Credits

School Requirements

Education	11-101 (Freshman year preferred)	2 Credits
Education	11-301 (Recommended)	3 Credits
Education	11-403	2 Credits
Education	11-405	1 Credit
Education — 11-350 or 13-350 or 14-350 (Combination required)		2 Credits
Education — 11-355 or 13-355 or 14-355 (Combination required)		1 Credit
Education	14-400	3 Credits
Education	14-401	3 Credits
Health Education	55-405 (Waived for Vets and Health Ed. Minors)	2 Credits

*Each course listed must be taken.

**Students earning course grade of "A" in 38-101 will be exempted from 38-302.

***May be applied to one of the Social Science areas, depending upon the courses selected.

University and Elementary Education Requirements

The elementary education student meets university general requirement in the following manner:

Art 22 105 or Music 73 219 or Speech 96 161	2 credits
Art 22 101, 22 228	4 credits
Biology 26 101	4 credits
English 38 101, 38 112	6 credits
Geography 50 117 or Geology 51 169	4 credits
Geography 50 111	3 credits
History 57 101 or 57 102	3 credits
History 57 201 or 57 202	3 credits
Mathematics 67 012	0 credits
Mathematics 67 111	2 credits
Mathematics 67 211	3 credits
Music 73 101	3 credits
Physical Education	2 credits
77 101 or 77 111, 77 113	
77 114, or 77 121 to 77 143	
(Swimming may be substituted for one semester.)	
Physical Science 80 101	4 credits
Psychology 86 201	3 credits
Sociology 92 101	3 credits
Speech 96 111	3 credits
Survey of Literature 38 225 or 38 226	3 credits

University and School of Letters & Science Requirements

B.A. Degree

Humanities - (One course must be taken from each area of A, B, and C.)

A - Art, Music, Drama	2- 6 Credits
B - Literature, including Foreign	2- 6 Credits
C - Philosophy, except Logic; Religion	2- 6 Credits
	<hr/>
Total Minimum for Area	9-15 Credits
Foreign Language*	6-14 Credits

Natural Sciences - (Minimum of 3 areas to be taken)

Astronomy, Physical Geography, Geology	0-10 Credits
Biology, Botany, Zoology	0-10 Credits
Chemistry	0-10 Credits
Physics, Physical Science	0-10 Credits
	<hr/>
Total Minimum for Area	8-15 Credits

Social Sciences - (Minimum of 3 areas to be taken)

Computer Science (Computers in Society)	0- 2 Credits
Economics	0- 6 Credits
Geography (except physical)	0- 6 Credits
History	0- 6 Credits
International Studies	0- 2 Credits
Political Science	0- 6 Credits
Psychology, Educational Psychology	0- 6 Credits
Sociology/Anthropology	0- 6 Credits
Total Minimum for Area	9-15 Credits

Other Requirements

Composition**, Speech	3- 9 Credits
Conservation	0- 2 Credits
Physical Education (Requirements waived for Vets.)	2- 4 Credits
General Education Seminars*** (One outside of division)	0- 4 Credits
Math, Logic, Computer Science (except Computers in Society)****	0- 6 Credits

*A minimum of 2 years of one Foreign Language must be taken at University Level if taken without high school background. Otherwise placed by department.

**Students earning course grade of "A" in 38-101 will be exempted from 38-302.

***A General Education Seminar should be taken outside of the division of a students' major.

****A minimum of 2 credits from one of the areas is required if the student has not completed 2 years of high school algebra and geometry.
Requirements to include a 3 credit Non-Western Study.

University and School of Letters & Science Requirements

B.S. Degree

Humanities

Art, Music, Drama	0- 6 Credits
Foreign Language	0- 8 Credits
Literature, including Foreign	0- 6 Credits
Philosophy, except Logic; Religion	0- 6 Credits
Total Minimum for Area	9-15 Credits

Natural Sciences - (Minimum of 8 lab credits)

Astronomy, Physical Geography, Geology	0-10 Credits
Biology, Botany, Zoology	0-10 Credits
Chemistry	0-10 Credits
Physics, Physical Science	0-10 Credits
Total Minimum for Area	8-15 Credits

Social Sciences - (Minimum of 3 areas to be taken)

Computer Science (Computers in Society)	0- 2 Credits
Economics	0- 6 Credits
Geography (except physical)	0- 6 Credits
History	0- 6 Credits
International Studies	0- 2 Credits
Political Science	0- 6 Credits
Psychology, Educational Psychology	0- 6 Credits
Sociology/Anthropology	0- 6 Credits
Total Minimum for Area	9-15 Credits

Other Requirements

Composition*, Speech	3- 9 Credits
Conservation	0- 2 Credits
Physical Education (Requirements waived for Vets)	2- 4 Credits
Math**, Logic, Computer Science (except Computers in Society)****	3- 6 Credits
General Education Seminars*** (One outside of division)	0- 4 Credits

*Students earning course grade of "A" in 38-101 will be exempted from 38-302.

**Three (3) credits of math must be included unless student is exempted by the Math Department or by the Math Placement Exam.

***A General Education Seminar should be taken outside the division of a student's major.

****A minimum of 2 credits from one of the areas is required if the student has not completed 2 years of high school algebra and geometry.

Requirements to include a 3 credit Non-Western Study.

University and School of Nursing Requirements

Humanities - Electives

Art, Music, Drama	0- 6 Credits
Foreign Language	0- 8 Credits
Literature, including Foreign	0- 6 Credits
Philosophy, except Logic; Religion	0- 6 Credits

Total Minimum for Area

9-15 Credits

Natural Science

Biological Concepts	26-103	4 Credits
Human Anatomy	26-211	3 Credits
Physiology	26-216	3 Credits
Bacteriology	26-309	5 Credits
Chemistry	32-101, 102	8 Credits

23 Credits

Social Sciences

General Psychology	86-201	3 Credits
Human Growth & Devel.	18-377	3 Credits
OR		
Genetic Psychology*	86-291	3 Credits
Principles of Sociology	92-101	3 Credits
OR		
General Anthropology	92-102	3 Credits
Electives**		9 Credits

15 Credits

University Requirements

Composition***	38-101	3 Credits
Phy. Ed. (2 semesters of non-duplicating courses)		2 Credits
Speech	96-111	3 Credits
Electives		12 Credits

20 Credits

School Requirements*

Nursing in the Soc. Order	74-201	2 Credits
Pharmacology	74-205	3 Credits
Intro. to Foods & Nutrition	74-250	2 Credits
Interpers. Rel. I	74-302	2 Credits
Interpers. Rel. II	74-307	2 Credits
Nursing Proc. In Mental Health	74-305	5 Credits
Nursing Proc. In the Community	74-323	2 Credits
Nursing Proc. with Adults I	74-350	6 Credits
Nursing Proc. with Adults II	74-360	5 Credits

Studies in Nursing	74-402	6 Credits
Nursing Proc. in the Commun. II	74-403	5 Credits
Issues & Trends	74-470	2 Credits
Foundation of Nurs. Process	74-521	4 Credits
Maternal & Child Health	74-707	8 Credits
Evaluation	74-801	8 Credits
		62 Credits

*Offered at Oshkosh

**Non-Western Study to be included for 3 credits.

***Students earning course grade of "A" in 38-101 will be exempted from 38-302

Special Degree and Certificate Programs

Engineering

(in cooperation with the University of Wisconsin-Madison)

Upon satisfactory completion of three years of course work listed at UW-O and two additional years of course work at UW-Madison, College of Engineering, in which the student pursues the requirements of the Chemical, Civil, Mechanical, Mining, or Metallurgical curricula, the degree of Bachelor of Science (General Course) will be granted by the University of Wisconsin-Oshkosh. Upon the completion of an additional year in the College of Engineering, during which time degree and course requirements at the College of Engineering may normally be completed, the student will be granted the appropriate Bachelor of Science degree (Engineering) from the University of Wisconsin-Madison. Before scheduling for this program, the student should see the Coordinator of Advisement in the School of Letters and Science and the pre-engineering advisor and check the UW-Madison catalog, especially relative to the requirement in engineering drawing.

Medical Technology

The following curriculum leading to the degree of Bachelor of Science in Medical Technology is offered in cooperation with Mercy Medical Center in Oshkosh, St. Elizabeth Hospital in Appleton, St. Joseph's Hospital in Beaver Dam, St. Luke's Hospital in Milwaukee, Madison General Hospital in Madison, West Allis Memorial Hospital in West Allis (Milwaukee area), Theda Clark Hospital in Neenah, and the Veterans Administration Center at Wood (Milwaukee area). The work of the first three years is taken at the University while the fourth year is taken at the hospital. For further information, contact Director of Medical Technology, Department of Chemistry.

Natural Resources

(in cooperation with the University of Michigan)

Combined Five Year Liberal Arts-Natural Resources Program with the University of Michigan, School of Natural Resources, Ann Arbor, Michigan.

Upon satisfactory completion of prescribed course work at UWC-Fond du Lac, the University of Wisconsin-Oshkosh and one additional year of course work in the University of Michigan, School of Natural Resources, in which the

student pursues the requirements of the Forestry, Wildlife Management, Fisheries, or Conservation curricula, the degree of Bachelor of Science (General Course) will be granted by UW-O. Upon completion of an additional year in the School of Natural Resources, during which time degree and course requirements at the School of Natural Resources may normally be completed, the students will be granted an additional Bachelor of Science degree from the University of Michigan, or in the case of the student of superior ability, the appropriate Master's degree.

Police Administration Training Certificate

The Police Administration Training Certificate program is designed to provide instruction in four broad fields of specialization — political science (including public administration and law enforcement), sociology (especially criminology), psychology, and economics. In brief, the basic objective of the program is to expose police officers to a core of knowledge with the belief that such study will prepare them for more intelligent, mature, and effective leadership while broadening their horizons and enriching their lives. It is based upon faith that individuals possessing such knowledge will be able to approach problems in a more understanding yet imaginative manner, will make more intelligent decisions, and will be better prepared to carry out policies of police departments and other law enforcement agencies.

The curriculum of the Police Administration Training Certificate program will consist of a minimum of 36 semester hours. A total of fifteen (15) credits for work successfully completed with a grade of "C" or better in other colleges or universities of recognized standing may be granted toward the Police Administration Training Certificate providing that the courses may substitute in the curriculum. For further information, contact Dr. Safwat Souryal, Department of Political Science. Off-campus students should also contact Mr. Robert Bolin, Coordinator of Credit Class Instruction, College of Continuing Education.

Preprofessional Curricula

Students interested in such professions as architecture, dentistry, engineering, forestry, law, medicine, mortuary science, pharmacy, and veterinary medicine may find it advantageous to take from one to four years of their undergraduate work at the Fond du Lac Center and in the School of Letters and Science at UW-Oshkosh. Financial savings, from living at or near home, frequently amount to a sum sufficient to carry a student through a year of graduate study.

Financial Aids

Application

Entering freshmen who are residents of Wisconsin may obtain the appropriate application for financial aid from their respective high school counselors. Other freshmen, transfers, and continuing students should request applications from the Financial Aids Office, University of Wisconsin Center—Fond du Lac, Wisconsin 54935.

P L E A S E N O T E !

Extensive changes are being made in the State and Federal financial aid programs. It appears that we will have the following types of financial aid during 1973-74:

State Programs--

- Wis. Higher Educational Grants
- Wis. State Loans
- Wis. Indian Grant Program
- Wis. Student Loan

Federal Programs--

- College Work-Study
- Guaranteed Student Loans
- Basic Opportunity Grants
(A new program of grant aid
yet to be defined)
- Law Enforcement Grants
(possibly)

It may be June, 1973, before the financial aid programs for next year are clearly defined. The important thing is that you complete the application process as soon as possible.

Grants and Scholarships

Wisconsin Honor Scholarship Program

Value: \$100-\$800

Eligibility: Highest ranking students as determined by local high schools from the top 10 per cent of their high school graduation class. (Each school is granted a specific number of scholarships according to size.) These scholarships are available only to incoming freshmen and only for the freshman year. (The State of Wisconsin Higher Educational Aids Board awards these scholarships.)

Wisconsin Higher Education Grants

Value: \$100-1,000

Eligibility: Best qualified Wisconsin resident applicants; based upon financial need.

Wisconsin Out-of-State Scholarship

Value: Out-of-State tuition differential cost

Eligibility: Non-resident applicants with financial need.

Wisconsin Foreign Student Scholarship

Value: Out-of-State tuition differential cost and incidental fee.

Eligibility: Best qualified non-citizen applicants with financial need.

Wisconsin Teacher Scholarship

Value: Up to \$1,200

Eligibility: Students who attended high school in disadvantaged area, who are enrolled in teacher education, and who agree to teach in disadvantaged area. Renewable if 2.5 cumulative grade point is maintained. (Awarded by Higher Educational Aids Board).

Wisconsin Stipend for Teachers of the Handicapped

Value: Up to \$1,500

Eligibility: Students enrolled in program for teachers of the handicapped. (Awarded by Higher Educational Aids Board).

Wisconsin Indian Grant Program

Value: Up to \$1,500

Eligibility: Students of American Indian descent who have financial need. Renewable. (Awarded by Higher Educational Aids Board).

U.S. Educational Opportunity Grant

Value: \$200-\$1,000

Eligibility: Residents of the U.S. who demonstrate a family history of critical financial need.

U.S. Law Enforcement Scholarship and Loan Program

Value: Dependent on student status and need.

Eligibility: Full and part-time students who are occupationally engaged in law enforcement and are taking course work related to law enforcement. This

program is also available to full-time undergraduates who intend to become full-time law enforcement personnel.

U.S. Nursing Scholarship Program

Value: Depends on demonstrated need.

Eligibility: Best academically qualified U.S. citizens or permanent residents demonstrating critical financial need who are enrolled in the School of Nursing.

Loans

Wisconsin State Loans

Value: Up to \$1,000 for undergraduate; to \$1,500 for graduates.

Eligibility: Student who is resident of Wisconsin and who has financial need.

Terms: Interest-free while student. Seven per cent interest on unpaid balance beginning nine months after termination of educational program. Up to ten years to repay with \$30 minimum monthly payments.

Wisconsin Guaranteed Loans

Value: Same as Wisconsin State Loans.

Eligibility: Student who is resident of Wisconsin.

Terms: Same as for Wisconsin State Loan if adjusted annual family income is less than \$15,000. Otherwise, interest begins accruing when student receives loan. (Loan applications available only from participating lenders.)

National Defense Student Loans

Value: \$100-\$1,000 for undergraduate students; \$100-\$2,500 for graduate students.

Eligibility: U.S. citizenship or permanent residence and demonstrated need.

Terms: Interest free while student remains in educational program, 3% interest compounded annually on unpaid balance beginning nine months after termination of educational program. Up to ten years for repayment. Ten per cent forgiveness of principal amount for each year's full-time teaching service, up to five years, or 50% maximum. Cancellation is 15% per year for teaching in low income area schools or for teaching handicapped or retarded children. Up to 100%.

U.S. Nursing Loan Program

Value: \$100-\$1,500 for students in nursing program.

Eligibility: U. S. citizenship or permanent residence, and demonstrated need.

Terms: Interest free while student remains in educational program, 3% interest compounded annually on unpaid balance beginning nine months after termination of educational program. Up to ten years for repayment. Partial forgiveness of principal amount for each year's full time service in nursing.

Emergency Loan Funds

A limited number of short-term loans in small amounts are made to students with immediate emergency need.

Work Opportunities

Federal College Work-Study Program

Value: Amount which can be earned is based on financial need and established hourly rate for work performed. A student in this program can work a maximum of 15 hours per week while school is in session, and 40 hours per week during vacation periods.

Eligibility: U.S. citizens, or permanent residents who have financial need.

Employment: A great variety of jobs on and off the campus.

Student Assistant Program

A program in which a student with a needed skill may be hired by one of the departments in the University, and is paid from the department's budget. A student is not required to establish a need to receive this type of aid. Interested students should contact the various departments or the financial aids office for information.

Other Aid Programs

In addition to the above basic programs, many other types of aid are available to students and their families. An example is the GI Bill available to those who have served in the armed forces for more than six months. There also is a state of Wisconsin veterans aid program that will help finance an education. The War Orphans Benefits are available to many students whose fathers were killed in service.

Social Security, Vocational Rehabilitation, and schooling under the provisions of the Manpower Training and Development Act are other examples of sources of educational funds. Anyone interested in locating sources of educational funds should contact all of their local, state, and federal agencies for information. Many of these agencies are little known sources of educational aid.

Veterans Training

The center is approved by the Veterans Administration to give instruction to veterans when the course available meets the needs of the applicant.

Veterans should consult the Veterans Administration before enrolling since the Veterans Administration determines the eligibility of veterans for educational benefits.

A veteran whose service was performed since the outbreak of the Korean War is entitled to educational benefits under Public Law 550.

Supplemental assistance from the Veterans Recognition Board in Madison is available for veterans. This board administers a fund set up by the State to aid veterans native to Wisconsin.

Public Law No. 634 was established in 1956 for the purpose of providing educational benefits to any child of a veteran who died of a disease or injury incurred or aggravated in line of duty in the Armed Forces during World War I, World War II, or the Korean Conflict. The parent or guardian of a person for whom a program of education is sought under this law shall submit an application to the Veterans Administration. The eligible "child" will receive a monthly allowance and will pay his own tuition fees. Consult the Office of Educational Services on any questions concerning Veterans Administration Educational Benefits.

Fees*

Fees

Wisconsin Residents Per Semester	FULL TIME (12 or more credits)	Non-Resident Per Semester
None	Tuition	\$772.50
\$200.00	Incidental Fee	None
5.00	Health Fee	5.00
18.00	Activity Fee	18.00
15.00	Student Center Fee	15.00
\$238.00	Total Fees	\$810.50
Wisconsin Residents** Per Semester	PART TIME (11 credits or less)	Non-Resident Per Semester
\$19.90 per credit		\$67.65 per credit

*Fees are subject to revision without published notice.

**Qualification as Wisconsin Resident.

Fee Payments

A student shall pay required fees by choosing one of the following options:

1. Payment of 100% of fees at time of registration.
2. Payment of the first installment of the partial payment plan as a minimum at time of registration.

Special Fees

For late registration \$10.00
Library charges are levied for overdue books and lost books.

Chemistry breakage fees are billed the student at the end of the semester. There are no laboratory fees other than payment for breakage.

Students may not re-enroll, register at any state university, be accorded withdrawal privileges, be issued transcripts, nor be granted graduation diplomas until all charges and fees are paid.

The music department maintains a part-time applied faculty with whom an arrangement is made in any instrument and vocal area whereby the student receives one private lesson per week for 15 weeks (minimum) for one credit. The fee for these lessons is \$15.00 per field of endeavor.

Some physical education courses require lockers, towels, and/or swim suits for which a charge is made. Horsemanship and skiing courses have a special \$40.00 fee.

The art department charges an art material fee for specific courses. Certain art courses will require field trips. The transportation costs of these trips will be assessed to the individual participating student.

Students enrolled in certain geography and geology courses will be required to pay for transportation costs of field trips. Collection is usually made in class. Students may arrange their own transportation with consent of instructor.

A parking fee, currently \$2.00, is charged for those who desire to park on center property.

Field Trip Costs

In addition to the special fees mentioned above, there may be other courses requiring additional fees. It is suggested the student consult his advisor on this matter. Trips must be authorized by the office of the Dean. The cost of transportation, room, board and insurance must be paid by the student.

Schedule of Fee Refunds

Refund of fees for the regular term, Saturday courses, graduate courses, and the summer sessions, are based upon the week the student officially withdraws from school. The refund schedule below covers tuition, incidental fee, Student Center fee, activity fee, and health fee.

In determining withdrawal date, the center will use the date the student notifies the school of the withdrawal; or if the student fails to notify the school and is otherwise unable to verify date of withdrawal the date of the request will be used to determine the refund.

1. Regular Academic Year

Semester basis

100% during first week of classes (less \$50.00)

80% during second week of classes

60% during third and fourth week of classes

0% beginning the fifth week of the class schedule

2. Summer Session

100% during first week of class schedule (less \$20.00)

75% during the second week of class schedule

0% beginning the third week

Note: Special fees are not refundable to withdrawing students.

Student Services

Counseling Service

Counseling service is one of the "student services" offered to ALL STUDENTS at the center. Its objective is to help students grow in their understanding of themselves and their society so that they may assume responsibility for their decisions and grow in their ability to understand and accept the results of their choices. The counseling program operates in accordance with the philosophy that modern life and contemporary education have grown so complex that every student, in the course of his college experience, will encounter some problems with which he could benefit from the help of an experienced, understanding person.

The primary responsibility of the counseling service staff is to provide students with assistance in working out academic, vocational, and personal problems. A related function is to give individual attention to all students who initiate withdrawal from the center and to those persons who request assistance when they apply for readmission to the center. When other services are needed, the counselors provide assistance to the students in obtaining these services. Students can obtain assistance by appointment. However, this service can also be obtained on a "walk-in" basis.

Health Service

The Student Health Service Office is located in the Physical Education Building. The services of a Registered Nurse are available on all scheduled class days during the hours as posted. These services include first aid, medication for minor illnesses, aiding students in the scheduling of doctor appointments, and the keeping of records of all student injuries and illnesses reported to the Health Office. Treatment and medication received in the Health Office is given without additional cost to the student.

It is the student's responsibility to provide for personal medical care beyond those listed above. A list of physicians and medical facilities is available in the Health Office.

A comprehensive and reliable Student Health Insurance Plan is offered to the students. Each student is encouraged to carry this insurance unless covered by the insurance plan of his parents.

Student Housing

Although the Fond du Lac Center does not have residence halls, the Office of Student Services will provide students with a list of registered rooming houses.

Testing

The center testing service serves both the individual student and the center. This program provides several direct services to students by making available measures of aptitude, interest, and personality to those who wish to examine their academic and vocational goals.

In addition to testing services offered at the Fond du Lac Center, the testing services at University of Wisconsin-Oshkosh are available to Fond du Lac students. Arrangements for use of the Oshkosh services can be made through the Office of Student Services.

Tutorial Services

Tutorial services are available to students who are likely to fail in their course work in the absence of special assistance. The current tutorial fee is \$5 per hour. Under proper circumstance, veterans can receive assistance payments for such services under the G.I. Bill (PL 91-219). Non-veterans can seek financial assistance through the Financial Aids Office.

Academic Services

Library Service

Many students find the quiet, aesthetically beautiful library a convenient place to study. A permanent staff is eager to assist students in finding the information they seek. A rapidly growing collection of approximately 20,000 volumes, selected especially for the freshman-sophomore level college student is a medium through which students can broaden and supplement their classroom experience. This collection is supplemented by microfiche and microfilm holdings of books and periodicals. To add greater dimension, the resources of the Forrest R. Polk Library at UW-Oshkosh are available for both direct and inter-library loan to students and faculty.

Audio-Visual Service

Information concerning communications devices, materials, and services is available at the library. Assistance in providing materials for classroom-instructional use, the scheduling of audiovisual facilities and equipment, advice concerning the operation of equipment, and film rental service aid is available.

Parking Facilities

The Fond du Lac Center has parking areas for students and staff located on the perimeter of the center and operated on a purchase permit basis. Parking regulations are strictly enforced, and violators are subject to ticketing, fines, and possible revocation of parking privileges.

For visitors to the center, courtesy parking permits are available through the general office. Such permits are valid for the period of time appearing on the permit.

Activities

Athletics

Athletic activities are under the general direction of the faculty and take two forms: intercollegiate athletics and intramural athletics.

In the area of intercollegiate athletics the program includes basketball, tennis, soccer, golf, cross-country, and wrestling. Fond du Lac is a member of the Wisconsin Collegiate Conference.

Intramural athletic programs have been established for both men and women. Activities include touch football, soccer, volleyball, basketball, badminton, softball, tennis, golf, and gymnastics. Recreation programs in swimming (provided at the YMCA), modern dance, archery, and trampoline also are offered.

Forensics-Dramatics

Programs in forensics and dramatics are organized through the speech department, and offer students a wide range of experiences.

Music Organizations

Band and choir are offered as credit courses. Membership is open to anyone with previous experience. The center has complete music facilities, including a large rehearsal room, practice rooms, and instruments the students may use while enrolled in band. Regular concerts are presented. The pep band performs at basketball games.

Student Publications

A student newspaper is published biweekly, and a yearbook is published at the end of the school year depicting the important events of the year.

Student Government

Student Government is an organization through which students can participate in the formulation of rules, regulations, and policies in the area of student affairs. It is dedicated to promote the general interests which are of mutual concern to students, faculty, and administration.

Student Center

The Student Center at Fond du Lac is the "living room" or "hearthstone" of the college. It provides for services, conveniences and amenities the members of the center family need in their quest to know and understand one another through informal association outside the classroom. In all its processes it encourages self-directed activity, giving maximum opportunity for self-realization and for growth in individual social competency and group effectiveness. Its goal is the development of persons as well as intellects.

The physical facilities that the University of Wisconsin Center-Fond du Lac, offers to the students, faculty and community in their quest to provide excellent programs for the enrichment of social and cultural activities in the Fond du Lac area are:

1. Snack Bar which seats 300 to 500 persons.
2. Short order Snack Bar service and banquet facilities capable of serving 200 persons.
3. Five meeting rooms which can seat 20 to 40 persons in each room.
4. Main lounge with fireplace and TV that can also be converted into a meeting room or exhibit area that seats 200 persons.
5. Recreation room with 6 pool tables and pinball machines.
6. Bookstore that handles school supplies, soft goods and campus textbook sales.
7. Student publication offices and darkroom.

8. Small movie area that seats 200 persons and has a Cinemascope screen.
9. Stereo lounge.
10. Student Center main office which serves as a general information center.

The Student Center Board assists the Director in establishing a program that compliments the other existing programs. They sponsor activities such as dances, art exhibits, night club entertainment, film series, Intercollegiate Coffee House circuit performers, seminars, recreational games tournaments and community co-sponsored activities.

Special Interest Groups

It is expected that students will form special interest groups which will become part of the overall university community. Some of these will be professionally, culturally, socially, or service oriented.

Description of Courses

Course offerings listed in this section are those that usually are taken during a student's first two years of university work. Most of the courses listed are offered each semester, some on an alternating semester basis, and some when the need is present.

To help students in long range programming, courses usually offered on an alternating semester basis are marked: (1) usually offered first semester only or (2) usually offered second semester only.

Under each subject area heading, a listing of major and minor requirements appear as established for University of Wisconsin-Oshkosh.

All course numbers have five digits. The first two identify the department and the last three identify the course. Course numbers are assigned (last three digits) according to the following key: (This keying system is a new one recently established. For your reference needs, equivalent, old numbers appear in parentheses after the new course numbers.)

00-099 non-credit courses	300-399 primarily junior courses
100-199 primarily freshmen courses	400-499 primarily senior courses
200-299 primarily sophomore courses	

Following each course title in this section, one or two sets of numbers will be found. The first set of numbers, within the parentheses, indicates the division of time between lecture and laboratory. The first number within the parentheses indicates the number of lecture or problem hours, and the second indicates the number of laboratory or shop hours. The second number, outside the parentheses, indicates the number of credit hours. For example, in a science course listed (3+4) 5 cr., the numbers inside the parentheses indicate three hours of lecture and four hours of laboratory. The "5" indicates the number of credits.

ANTHROPOLOGY

See Sociology

ART AND ART EDUCATION

MAJOR (Secondary Education—B.A.E. degree in Art Education): 58 credits to include 22 104, 22 130, 22 131, 22 134, 22 208, 22 209, 22 234, 22 354, 22 356 and 33 elective credits in art including four credits in art history.

MAJOR (School of Letters and Science, B.S. degree in art): 60 credits to include: 22 104, 22 130, 22 131, 22 134, 22 208, 22 209, 22 234, and 39 elective credits in art including at least four credits in art history.

MAJOR (School of Letters and Science, B.A. or B.S. degree-general courses): Emphasis in art history; 34 credits to include: 26 credits in art history, and eight credits in studio skills courses.

MINOR (Elementary and Secondary Education): 24 credits to include: 22 104, 22 130, 22 131, 22 134, 22 208, 22 209, and 22 355 for Elementary majors, and 22 356 for Secondary majors, and four elective credits in art.

- (22 101 (22 101) **Drawing and Color** (1 + 3) 2 cr.
 A basic course in the elements of art structure and the fundamental principles of design. Color theory, drawing, and perspective. (Usually offered second semester only.)
- / 1 22 104 ✓ (22 104) **Drawing and Composition** (0 + 6) 3 cr.
 The drawing and analysis of pictorial composition applying the elements and principles of art.
- 12 ✓ + / 22 105 ✓ (22 105) **Understanding the Arts** (2 + 0) 2 cr.
 A course designed to increase understanding of painting, sculpture, architecture, and allied arts. Lectures, discussions, and museum visits.
- 13 / 22 130 (22 130) **Design I** (0 + 6) 3 cr.
 An inquiry into the principles of two-dimensional art governing the organization of the visual elements and the sources and terms of personal expression. Prerequisite: 22 104. (Usually offered first semester only.)
- 13 2 22 131 (22 125) **Three Dimensional Design** (0 + 6) 3 cr.
 An inquiry into the principles of three-dimensional art governing the organization of the plastic elements in space. Majors and minors only. (Usually offered first semester only.)
- 16 / 22 134 ✓ (22 134) **Figure Drawing I** (0 + 6) 3 cr.
 Drawing from the model, figure composition and anatomy. Majors and minors only. (Usually offered second semester only.)
- 20 / 22 241 (22 341) **Watercolor I** (1 + 3) 3 cr.
 The principles and techniques of water color as a medium of expression. Prerequisite: 22 104. (Usually offered first semester only.)
- 2 / 1 22 275 (22 375) **Painting I** (1 + 3) 3 cr.
 Introduction to materials, and techniques of opaque painting media. Emphasis on problems of drawing and composition. Prerequisite: 22 104. (Usually offered second semester only.)

BIOLOGY

BIOLOGY MAJOR: General sequence either for students planning to teach or for students in the School of Letters and Science. A minimum of 36 credits to include: 26 107, 26 121, 26 126 or 26 127 or both, 26 303, 26 319, or 26 345, plus upper division course electives to complete the major.

BIOLOGY MAJOR: Botany emphasis for students in the School of Letters and Science only. A minimum of 36 credits to include: 26 107, 26 121, 26 303, 26 345, plus upper division course electives to complete the major.

BIOLOGY MAJOR: Zoology emphasis for students in the School of Letters and Science only. A minimum of 36 credits to include: 26 107, 26 126 or 26 127 or both, 26 303, 26 319, plus upper division course electives to complete the major.

BIOLOGY MINOR: A minimum of 25 credits to include: 26 107 or 26 101 (see the note below), 26 121, 26 126 or 26 127 or both, 26 319 or 26 345, plus 5 credits of electives if 26 126 and 26 127 are not both taken. Physical education majors with a minor in biology should substitute 26 211 and 26 212 for 26 319.

MICROBIOLOGY AND PUBLIC HEALTH MAJOR: 37 credits to include: 26 107, 26 303, 26 309, 26 312, 26 313, 26 315, 26 339, 26 341, 26 321 or 26 354, and 26 450.

All majors are required to take one year of general chemistry with laboratory plus mathematics 67 103 and 67 104, or 67 108, or the equivalent. Additional courses in organic chemistry, biochemistry and physics are strongly recommended.

Note: The requirement for 26 107 may be waived for majors or minors who have completed 26 101 with a grade of "A" or "B," or consent of the chairman, or who pass an attainment examination.

26 101 ✓ (26 103) **Biological Concepts** (3 + 3) 4 cr.
An introduction to the biological sciences. Structure and function of cells and organisms; reproduction, adaptation, evolution, ecology, populations. Open to all whose curriculum does not require a major's course. Students cannot receive credit for both 26 101 and 26 107.

26 107 (26 107) **Principles of Modern Biology** (4 + 3) 5 cr.
Major biological concepts from molecular to population levels. Laboratory experiments demonstrate analytical and descriptive approaches to biology and involve collection and interpretation of experimental data. Open to majors, minors and those allied fields specifying a major's course. Prerequisites: None. Previous or concurrent general chemistry recommended. Students cannot receive credit for both 26 101 and 26 107. (Usually offered first semester only.)

26 121 ✓ (26 201) **Survey of the Plant Kingdom** (3 + 4) 5 cr.
A phylogenetic study of the plant kingdom including all major groups of living and fossil plants, the distinguishing morphological features of the major taxa and the life cycles of representative organisms with evolutionary considerations. Prerequisites: 26 101 or 26 107. (Usually offered second semester only.)

26 126 ✓ (26 206) **Vertebrate Biology** (3 + 4) 5 cr.
An introduction to the study of vertebrate animals considering their structure, evolution, ecology and special adaptations. Prerequisites: 26 101 or 26 107. (Usually offered second semester only.)

26 127 (26 307) **General Invertebrate Zoology** (3 + 4) 5 cr.
Structure, function, evolution, ecology of major invertebrate groups. Laboratory study of representative species. Prerequisites: 26 101 or 26 107. (Usually offered first semester only.)

26 215 ✓ (26 315) **Human Anatomy** (2 + 2) 3 cr.
A study of the fundamental structure and organization of the organs and systems of the human body. Prerequisites: 26 101 or 26 107. (.Primarily for Nursing.) (Usually offered second semester only.)

26 216 (26 316) **Human Physiology** (2 + 2) 3 cr.
A study of the fundamental chemical and physical processes of the living organism as they relate to organs and systems of the human body. Prerequisites: 26 101 or 26 107. (.Primarily for Nursing.) (Usually offered first semester only.)

26 309 ✓ (26 509) **Bacteriology** (3 + 4) 5 cr.
Preparation of culture media; isolation and propagation of bacteria, molds and yeasts; morphological characteristics; physiology; relationships to mankind; examination of food, milk and water; identification of unknowns. Prerequisites: 26 107 and one year of general chemistry with laboratory. (Usually offered second semester only.)

BUSINESS ADMINISTRATION

ACCOUNTING AREA: 42 credits of general undergraduate degree requirements, 41 credits of standard business administration core, plus required: 28 301, 28 308, 28 312, 28 401, 28 403, 28 408; also 9 to 15 credits in business

administration and economics to include courses from at least three areas of emphasis other than accounting (For CPA preparation the following courses are also recommended: 28 304 and 28 322); and 11 to 17 credits of electives not in business or economics. Students with an accounting area are eligible to take the CPA examination upon graduation.

FINANCE AREA: 42 credits of general undergraduate degree requirements, 41 credits of standard business administration core, plus 15 required credits to include: 28 433, 28 434 with 6 to 9 credits from 28 333, 28 334, 28 432, and 0 to 4 credits from 28 301, 28 403; also 9 to 15 credits in business administration and economics; and 15 to 21 credits of electives not in business or economics.

MANPOWER MANAGEMENT AREA: 42 credits of general undergraduate degree requirements, 41 credits of standard business administration core; plus required: 28 354, 28 362, 28 363, 28 364, 36 321; also 9 to 12 credits in business administration and economics; 6 credits in psychology, sociology, or anthropology as approved by the Director of Advisement; and 12 to 15 credits of electives.

ADMINISTRATIVE MANAGEMENT AREA: 42 credits of general undergraduate degree requirements, 41 credits of standard business administration core, plus required: 28 354, 28 452; also 18 to 24 credits of business or economics subjects with a minimum of 12 credits in business, 6 of which must be in one area of emphasis and 3 credits in each of two other areas of emphasis; and 15 to 21 credits of electives not in business and economics. 15 to 21 credits of electives not in business and economics.

OPERATIONS MANAGEMENT AREA: 42 credits of general undergraduate degree requirements, 41 credits of standard business administration core; plus required: 28 342, 28 441, 28 312, 28 373 and 28 301 or 3 credits of mathematics; also 9 to 15 credits in business administration and economics; and 15 to 21 credits of electives not in business or economics.

MARKETING AREA: 42 credits of general undergraduate degree requirements, 41 credits of standard business administration core, plus required: 28 374 and three of the following: 28 372, 28 373, 28 376, 28 377, 28 378, 28 473; also 12 to 18 credits in business administration and economics; and 15 to 21 credits of electives not in business and economics.

200
28 201 (28 301) Financial Accounting (3 + 0) 3 cr.
Principles, concepts, and procedures of financial accounting (for investors, creditors, and other interested parties) essential to the proper preparation, understanding, and interpretation of accounting information; emphasis is on the usefulness of accounting data for control and evaluation of economic activity. Prerequisite: Sophomore standing. (Usually offered first semester only.)

202
28 202 (28 302) Managerial Accounting (3 + 0) 3 cr.
The usefulness of accounting to management is stressed with particular attention given to the role of managerial accounting in the decision control processes of business enterprises. Includes the study of cost systems, budgeting, cost distribution, capital budgeting, and profit-volume analysis. Prerequisite: 28 201. (Usually offered second semester only.)

CHEMISTRY

MAJOR (Professional): Designed for students who wish to meet the minimum requirements of the American Chemical Society for professional training, leading to the B.S. in Chemistry degree.

- a. Chemistry requirements: 44 credits minimum¹ to include 41 credits of specified courses (See following table) plus one of the following advanced courses: 32 403, 32 465, 32 498, 32 499. If either of the Special Problems courses (32 498 or 32 499) is selected, one additional advanced course is to be selected from 32 403, 32 416, 32 422, 32 465, 32 482.
- b. Other requirements: (See the following table).

MAJOR (Liberal Arts): Designed for those students with more diversified interests by allowing a broader choice of electives.

- a. Chemistry requirements: 40 credits minimum¹. (See following table).
- b. Other requirements: (See following table).

MAJOR (Secondary): Designed for students planning to enter the secondary education program in preparation for teaching high school chemistry.

- a. Chemistry requirements: 34 credits minimum¹. (See following table).
- b. Other requirements: (See following table).

MINOR:

- a. Chemistry requirements: 23 credit minimum¹. (See following table).
- b. Other requirements: None.

MAJOR AND MINOR REQUIREMENTS

Course No.	Name	(Lect. + PH) + Lab	Credits	Profes-	Liberal	Second-	Minor
				sional Major	Arts Major	ary Major	
32 105	General ²	(4 + 3)	5	X	X	X	X
32 106	General + Qual. ³	(4 + 3)	5	X	X	X	X
32 216	Organic	(3 + 3)	4	X	X	X	X ²
32 221	Quantitative Anal.	(3 + 6)	5	X	X	X	X
32 318	Organic	(3 + 6)	5	X	X	X	X ²
32 347	Physical	(3 + 0)	3	X	X	X	
32 348	Physical Lab.	(0 + 3)	1	X	X	X	
32 349	Physical	(3 + 0)	3	X	X	X	
32 351	Physical Lab	(0 + 6)	2	X	X		
32 421	Instrumental	(2 + 3)	3	X	X	X ²	
32 461	Inorganic	(3 + 0)	3	X	X	X ²	
32 463	Inorganic Lab	(0 + 3)	1	X			
32 490	Seminar ⁴	(1 + 0)	0 or 1	X	X	X	
				41	40	34	24

ELECTIVES

Course No.	Name	(Lec. + PH) + Lab	Credits	Profes-	Liberal	Second-
				sional Major	Arts Major	ary Major
32 302	Biochemistry	(3 + 4)	4			
32 381	Chemical Literature	(1 + 0)	1			
32 403	Qual. Organic Analysis	(1 + 6)	3			
32 416	Advanced Organic	(2 + 0)	2			

32 422	Advanced Analytical	(2 + 0)	2	SEE
32 465	Radiochemistry	(3 + 3)	4	PROFESSIONAL
32 482	Chemical Computations	(2 + 3)	3	REQUIREMENTS
32 498	Special Problems	(0 + 3)	1 or 2	LISTING
		or		
		(0 + 6)		
32 499	Special Problems	(0 + 3)	1 or 2	
		or		
		(0 + 6)		

OTHER REQUIREMENTS

67 171	Calculus I	(5 + 0)	5	X	X	X
67 172	Calculus II	(5 + 0)	5	X	X	X
67 273	Calculus III	(3 + 0)	3	X	X	X
82 109	Physics	(4 + 2)	5	X	X	X
82 110	Physics	(4 + 2)	5	X	X	X
	German or Russian ^a			X		

3211-1008

32 101 (32 101) General, Organic and Biochemistry (3 + 3) 4 cr.
 Inorganic and theoretical chemistry covering atomic structure, gases, liquids and solids, reactions, solutions and colloids, pH, electrochemistry and radiochemistry. The following topics in organic chemistry will also be discussed: hydrocarbons, and their halogen derivatives, alcohols and ethers. Chemistry 101 with 32 102 is designed to be a terminal course sequence to meet the needs of students desiring or required to have one year of chemistry with an organic and biochemistry emphasis. Prerequisite: None. (Usually offered first semester only.)

32 102 (32 102) General, Organic and Biochemistry (3 + 3) 4 cr.
 A continuation of 32 101 covering aldehydes and ketones, carboxylic acids and their derivatives, and amines. The following topics in biochemistry will also be covered: carbohydrates, lipids, proteins, nucleic acids, enzymes and metabolism. Prerequisite: 32 101 with a minimum grade of C. (Usually offered second semester only.)

103

32 105 (32 105) General Chemistry (4 + 3) 5 cr.
 Fundamental laws and concepts of chemistry to include atomic theory, atomic and electronic structure, chemical bonding, mole concept, nomenclature, stoichiometry, status of matter, formulas and equations, solutions, and colloids. A foundation course with greater emphasis on the theoretical and mathematical aspects of chemistry than in 32 101. Designed for students taking chemistry beyond the first year course. Prerequisite: High school chemistry (or consent of department) and credits or concurrent enrollment in mathematics 67 103 or 67 108. (Usually offered first semester only.)

104

32 106 (32 106) General Chemistry with Qualitative Analysis (4 + 3) 5 cr.
 A continuation of 32 105 to include kinetics and chemical equilibrium, thermochemistry, electrochemistry, nuclear chemistry, molecular structure, chemistry of metals and selected non-metals. Laboratory to include qualitative analysis. Together with 32 105, constitutes the foundation course for further course work in chemistry. Prerequisite: 32 105 (Usually offered second semester only.)

*343**
344-5

32 213 (32 313) Organic Chemistry (non-majors) (3 + 3) 4 cr.
 The fundamental laws and theories of organic chemistry will be stressed. Reactions of aliphatic and aromatic hydrocarbons and their halogen, oxygen and nitrogen derivatives will be studied in conjunction with their mechanisms. The laboratory will provide practice in basic separation and purification techniques as well as the actual preparation of organic compounds. Prerequisites: 32 106 or 32 109 with a grade of C or better, or consent of instructor. (Usually offered second semester only.)

223

32 221 (32 321) Quantitative Analysis (3 + 6) 5 cr.
 Emphasis on ionic solution equilibria as applied to analytical chemistry. Specifically, statistical analysis of data, theoretical principles of solubility, acid-base, redox and complex equilibria discussed stressing calculations involving system constants and species concentrations. Laboratory techniques to include gravimetric, volumetric, potentiometric and colorimetric methods with stress on quantitative determinations of inorganic and organic species and system constants. Prerequisites: 32 106 or 32 109 with a grade of C or better or consent of instructor. (Usually offered first semester only.)

EARTH SCIENCE

(See Geology)

ECONOMICS

MAJOR: 34 credits to include 36 205, 36 206, 36 210, 36 329, 36 331, and courses to be selected from at least four areas from Groups 3 through 12. If 36 205, 36 206, and 36 210 have not been completed by the start of the junior year, the student is advised to take them in the first semester he is eligible to do so.

Only one of the following courses may be counted toward the 34 credits required for majors: 36 106, 36 311, and 36 349.

Mathematics Requirement for a Major in Economics: 67 171, or 67 204. Both of these mathematics courses have prerequisites of 67 104 or 67 108, or a minimum of 3½ years of high school mathematics, and a satisfactory score on the Mathematics Placement Examination.

A maximum of 6 credits from Group 12 (Special Courses) may be counted toward the 34 credits required for majors.

MINOR: 22 credits to include 36 205, 36 206, 36 329, 36 331.

Though the following are business administration courses, they and six credits of other professional courses may be taken by economics majors as electives to count toward the 128 credits required for graduation (but not toward the 34 credits required for majors): 28 201, 28 202, 28 321, 28 322, 28 331, 28 361, 28 371.

36 106 **General Economics** **(3 + 0)** **3 cr.**

101
A course for freshmen only; analyzes major current issues in the American economy after a historical survey of the theories and institutions of capitalism. Topics discussed include causes of poverty and alternative policies designed to alleviate low incomes in America. Non-freshmen who desire an economics course are suggested to select 36 205. (Usually offered second semester only.)

36 205 (36 305) Principles of Economics I **(3 + 0)** **3 cr.**

103
Basic features of the American economy; supply, demand and the price system; distribution of income; government expenditures and taxation; national income analysis; business fluctuations and the control of aggregate demand; fiscal and monetary policy; money and banking. (Usually offered first semester only.)

36 206 (36 306) Principles of Economics II **(3 + 0)** **3 cr.**

134
Theory of demand and consumer behavior; theory of the firm and market structure; functional distribution of income; international economic relations; problems of underdeveloped areas; comparative economic systems. Prerequisite: 36 205 or consent of department. (Usually offered second semester only.)

36 210 (36 310) Economic and Business Statistics **3(+ 0)** **4 cr.**

Sources, classification, tabulation, analysis and interpretation of economic and business data; averages, dispersion, probability, estimation, hypothesis testing, correlation, index numbers and time series. Prerequisite: 67 104 or 67 108. Statistics courses offered in other areas do not in all cases substitute for this course and may result in loss of credit.

EDUCATION

11 101 (11 101) Orientation to Public Education (2 + 1) 2 cr.
An overview of the cultural, historical, philosophical, and psychological bases for public education in American society. An exploration of the aims of education in American public schools with the implications for teachers, curricula, and physical facilities. Laboratory experiences are required in connection with this course.

18 330 Child Development and The Learning Process (4 + 1) 4 cr.

A study of the developmental process in children and psychological principles of teaching and learning. Emphasis will be placed on understanding children, their developmental stages, their growth and maturation—social, emotional, physical, intellectual. Attention will be directed toward the nature and conditions of learning, including the major types of learning, critical aspects of learning, and the problems encountered in fostering and directing learning. Prerequisite: Psychology 86 201. Admission to Teacher Education required for all students in the School of Education. Students who have completed either 18 271 or 18 375 are not eligible for enrollment.

18 340 Adolescent Development and The Learning Process (4 + 1) 4 cr.

The course will cover the transition from childhood to adulthood including the physical, intellectual, emotional and social development of youth. The nature and conditions of learning will be covered, including those studies from the behavioral sciences and educational research which relate to the learning process. Prerequisite: Psychology 86 201. Admission to Teacher Education required for all students in the School of Education. Students who have completed either 18 273 or 18 375 are not eligible for enrollment.

ENGLISH

MAJOR: 36 credits, in addition to composition*

The English Department offers two distinct majors, one for students enrolled in the School of Letters and Science, the other for students enrolled in the School of Education. Both majors require the core courses listed in Group I below; Group II lists additional courses required of Secondary Education English majors only and Group III refers to additional requirements for Letters and Science Majors. It should be noted that Group III permits Letters and Science Majors the option of choosing an emphasis in American or British Literature, Linguistics, or Creative Writing.

I. All English Majors:

Whether enrolled in the School of Education or the School of Letters and Science, all English Majors are required to take the following:

- A. 38 210, Masterworks of Classical and Medieval Literature
- B. 38 211, Masterworks of English Literature I
- C. 38 212, Masterworks of English Literature II
- D. 38 213, Masterworks of American Literature I
- E. 38 214, Masterworks of American Literature II

*Students who matriculated prior to September 1972 have the option of following the catalog under which they enrolled or the 1972-73 catalog.

II. Secondary Education English Majors:

In addition to Group I above, students seeking a teaching degree are required to take the following:**

- A. 38 223, Adolescent Literature
- B. One three-credit course in language study
- C. One three-credit course in twentieth century literature
- D. Four three-credit English courses at the 300-level

III. Letters and Science English Majors:

In addition to I above, students seeking a Letters and Science degree must complete seven 300-level English courses selected on the basis of individually designed programs.

MINOR: 24 credits, in addition to composition:

The English Department offers two distinct minors, one for students enrolled in the School of Letters and Science, the other for students enrolled in the School of Education. They are as follows:

Secondary Education English Minor:

- A. The five core courses listed in Group I above.
- B. One course from each of the specified areas A, B, and C in Group II above.

Letters and Science Minor:

- A. The five core courses listed in Group I above.
- B. Three 300-level English courses selected on the basis of individually designed programs.

38 101 (38 101) English Composition (3 + 0) 3 cr.
 A basic skills course designed to improve student skills in the effective use of written English. Expository prose is emphasized with particular attention given to sentence and paragraph construction. A student who earns a grade of "A" in the course is exempted from taking 38 302, Advanced Composition.

38 112 (38 112) Composition for Elementary Education Majors (3 + 0) 3 cr.
 A second-semester composition course required of Elementary Education majors, normally taken in the second semester of the freshman year. It replaces 38 302, Advanced Composition. The course further develops expository skills begun in 38 101 with an added emphasis on the study of the English Language and its uses in poetry. Prerequisite: 38 101. (Usually offered second semester only.)

38 211 (38 311) Masterworks of English Literature I (3 + 0) 3 cr.
 A study of masterworks of English literature from 1500 to 1800. The course has two basic purposes: to acquaint students with various literary genres and periods and to help students acquire skills in analyzing and interpreting literature. The course is required of all English majors and minors and is open to others with the consent of the chairman of the English Department. Prerequisites: 38 101 or 38 110. (Usually offered first semester only.)

38 212 (38 312) Masterworks of English Literature II (3 + 0) 3 cr.
 A study of masterworks of English literature from 1800 to 1950. The course has two basic purposes: to acquaint students with various literary genres and periods and to help students acquire skills in analyzing and interpreting literature. The course is required of all English majors and minors and is open to others with the consent of the chairman of the English Department. Prerequisites: 38 101 or 38 110. (Usually offered second semester only.)

38 213 (38 313) Masterworks of American Literature I (3 + 0) 3 cr.
 A study of masterworks of American literature from its beginnings to the Civil War. The course has two basic purposes: to acquaint students with literary genres and periods and to help students acquire skills in analyzing and interpreting literature. The course is required of all English majors and minors and is open to others with the consent of the chairman of the English Department. Prerequisites: 38 101 or 38 110. (Usually offered first semester only.)

211
38 214 (38 314) Masterworks of American Literature II (3 + 0) 3 cr.

A study of masterworks of American literature from the Civil War to 1950. The course has two basic purposes: to acquaint students with literary genres and periods and to help students acquire skills in analyzing and interpreting literature. The course is required of all English majors and minors and is open to others with the consent of the chairman of the English Department. Prerequisites: 38 101 or 38 110. (Usually offered second semester only.)

209
38 219 (38 319) Black American Literature (3 + 0) 3 cr.

A survey of the various forms of literature through which Black Americans have contributed to letters, from the beginning to modern time. Emphasis is on poetry and fiction. Prerequisite: 38 101. (Usually offered second semester only.)

209
38 225 (38 325) Modern English Literature (3 + 0) 3 cr.

A study of modern English literature. Fiction is emphasized, though drama and poetry are included. Recommended for students who do not intend to major or minor in English. Satisfies general education literature requirements. Prerequisites: 38 101 or 38 110.

38 226 (38 326) Modern American Literature (3 + 0) 3 cr.

A study of modern American literature. Fiction is emphasized, though drama and poetry are included. Recommended for students who do not intend to major or minor in English. Satisfies general education literature requirements. Prerequisites: 38 101 or 38 110.

38 227 (38 327) Modern World Literature (3 + 0) 3 cr.

A study of modern literature of continental Europe, Africa, Asia, Australia, Canada, and countries other than the United States and Great Britain. Fiction is emphasized, though prose, drama, and poetry are included. All works are in English or English translation. Recommended for students who do not intend to major or minor in English. Satisfies general education literature requirements. Prerequisites: 38 101 or 38 110.

FOREIGN LANGUAGES AND LITERATURES

The Placement of Entering Students

1. Students with no previous experience in the language elected will take 110.
2. Students with high school units in a foreign language, who wish to continue in the same language, must take a placement examination administered during the summer for entering students and during the programming periods for continuing students.
3. Students entering with transferring college language credits must confer with the department to determine acceptance of the credits toward their program at UW-O.

Testing for Credit

Up to twelve credits may be granted for high school language study or other language experience provided the student earns at least a B in a subsequent course, the level of which is determined solely by means of the placement examination, i.e. placement is not based on the number of high school language units completed.

Foreign Language Requirements for the Bachelor of Arts Degree

1. 110, 111 and 212 for students who begin with no previous language experience or for those placed in 110 by placement examination.

2. 111 and 212 for students placed in 111 by means of the placement examination. NOTE: If 111 is passed with a grade of B or better, four additional credits will be granted (the equivalent of 110).
3. 212 for students placed in this course by means of the placement examination. NOTE: If 212 is passed with a grade of B or better, eight additional credits will be granted (the equivalent of 110 and 111).
4. Three credits in 213, 214 or an advanced course (consult with department) for students who place higher than 212 by means of the placement examination. NOTE: If the course is passed with a grade of B or better, twelve additional credits will be granted (the equivalent of 110, 111 and 212).

NOTE: Students who fail to obtain a grade of B in the course designated by the placement examination may take the course a second time. If a B is earned, credit will be granted as outlined above.

MAJOR IN FRENCH, GERMAN OR SPANISH*: 27 credits above 111, depending on starting level. Residence requirement: at least 12 credits of advanced courses.

1. Students who take 110 and 111, and those who begin college work with 212, must earn a total of 10 credits in 212, 213 and 214, and 18 credits in advanced courses.
2. Students who begin college work with 213 must earn a total of 6 credits in 213 and 214, and 21 credits in advanced courses.
3. Students who begin college work with 214 must earn 24 credits in advanced courses.
4. Minimum course requirements above 214 for a degree in the School of Education:
 - a. French: 303, 304, 312, 315, 318; one additional literature course or 330.
 - b. German: 301, 304; 312 or 314; 315, 318; one additional literature course or 314 or 330.
 - c. Spanish: 2 courses in Literature; 307, 312; 2 additional courses.

Note: Students must earn 2 credits in Teaching of Foreign Languages (14 347)

5. Minimum course requirements above 214 for a degree in the School of Letters and Science:
 - a. French: two from 303, 304, 312, 315 and 318; any 2 additional courses.
 - b. German: two from 301, 304, 312, 314; 315 and 318; any 2 additional courses.
 - c. Spanish: two from 301, 304, 307, 312; two from 315, 318, 320, 325; any 2 additional courses.

MINOR IN FRENCH, GERMAN, SPANISH OR RUSSIAN: 15 credits above 111 depending on starting level. Residence requirement: at least 6 credits of advanced courses.

1. Students who take 110 and 111, and those who begin college work with 212 must earn a total of 10 credits in 212, 213 and 214, and 6 credits in advanced courses.
2. Students who begin college work with 213 must earn a total of 6 credits in 213 and 214, and 9 credits in advanced courses.
3. Students who begin college work with 214 must also earn 12 credits in advanced courses.
4. Minimum course requirements above 214 for a degree in the School of Education:
 - a. French: 303 and one of the following: 315, 318, 330.
 - b. German: 301 or 304 and one of the following: 314, 315, 318, 330.
 - c. Spanish: 307 or 312 and one of the following: 315, 318, 320, 325.
 - d. Russian: one of the following: 301, 304, 312; and 315 or 318, and 57 352.
5. Minimum course requirements above 214 for a degree in the School of Letters and Science:
 - a. French: one of the following: 303, 304, 312; one of the following: 315, 318, 330.
 - b. German: one of the following: 301, 304, 312, 314; one of the following: 315, 318, 330.
 - c. Spanish: one of the following: 301, 304, 307, 312; one of the following: 315, 318, 320, 325.
 - d. Russian: See 4.d.

SPECIAL MINOR PROGRAM IN FRENCH, GERMAN AND SPANISH: For students in Elementary Education, this program makes a 21-credit minor possible when work is begun with 110, and also provides for a special course, 305. In addition, 1 credit must be earned in 13 330, Teaching Foreign Languages in the Elementary School.

1. Beginning with 110: 8 credits in 110 and 111 and 13 credits in 212, 213, 214, and 305.
2. Beginning with 211 or above: a total of 16 credits must be earned after 111, to include those listed in 1. above.
3. If a student is unable to program for 305, he may select any other course on the 300 level.

103
41 110

Introduction to French I

(4 + 1) 4 cr.

Introduction to the land and the people through language study in a cultural context. The four skills of reading, writing, hearing and speaking will be treated with equal attention using a text supplemented with a variety of audio and visual materials relevant to the language and the culture. Weekly attendance in the language lab is required as an integral part of the course. (Usually offered first semester only.)

104
41 111 Introduction to French II (4 + 1) 4 cr.
Continuation of 110. (Usually offered second semester only.)

41 202 Intermediate Reading and Conversation (3 + 0) 3 cr.
Emphasis on reading and translation, plus review of basic grammar principles. Audio-lingual practice based upon readings. Prerequisite: 41 201 or equivalent. May be used to complete the language requirement for the B.A. degree. (Offered for the last time during 1972-73.) (Usually offered second semester only.)

203
41 212 Introduction to French III (4 + 1) 4 cr.
Continuation and completion of introductory material in a cultural context with an emphasis on intermediate-level reading, speaking and writing. Lab attendance for listening comprehension is required and remains an integral part of the course. (Usually offered first semester only.)

204
41 213 Intermediate Grammar and Composition (3 + 0) 3 cr.
Review for mastery of the most important elements of grammar. Emphasis is on their recognition and use through short readings. Directed compositions related to the grammar and the readings. (Usually offered second semester only.)

221
41 214 Introduction to Literature (3 + 0) 3 cr.
A transitional course to advanced work in the literature. Its aim is towards an appreciation of the artistic qualities of graded readings selected from literature. Points of interest will be discussed in French and presented in the writing of brief papers in French. (Usually offered second semester only.)

GEOGRAPHY

MAJOR: 34 credits to include: 50 111, 50 117, 50 371, 50 280 and 50 400. One additional course from areas A, B, C, and D, below is required.

MINOR: 22 credits to include: 50 111, 50 117 and 50 400. One additional course from areas A, B, and C, below is required.

Recommendations:

1. Natural Science General Education credits is given for courses listed in section A below. Courses 117, 118 and 342 satisfy the Laboratory Science requirement. A student should not expect to receive credit toward graduation, or toward a geography major, for more than ten credits of beginning physical geography, physical geology, earth science, or similar courses. Course work in both landforms and climate is required of all majors and minors.
2. Social Science General Education credit is given for the courses listed in sections B and C below.
3. A Bachelor of Arts Degree is recommended for majors in the School of Letters and Science who plan to enter graduate school.
4. Courses that satisfy the "Non-Western Culture" requirement include: 50 102, 319, 336, 338, 347 and 353. 50 399 may also be used for this purpose under some circumstances.

Geography studies spatial distributions and space relations. It is concerned with the integration of elements in the man-environment system. It seeks to scientifically describe the earth as the home of man. Parts A and B below represent an analytical approach to the study of two classes of environmen-

tal phenomena. Part C represents an integrative approach to the same topic. Part D contains tool and method courses.

110
50 102 World Regional Geography (3 + 0) 3 cr.
Regional studies are characterized by the study of those things which give character to a region and the interrelations that exist among the various physical and cultural characteristics of an area. Study of the following regions is offered in the department. (Usually offered second semester only.)

101
50 111 (50 111) Survey of Cultural Geography (3 + 0) 3 cr.
A study of the nature, distribution, and significance of the major cultural elements of geography. (Usually offered first semester only.)

123
-50 cr
50 117 (50 117) Introduction to Physical Geography (3 + 2) 4 cr.
A study of earth-sun relations, maps and mapping, and the elements and controls of man's physical environment — particularly landforms, climate, soils, vegetation, and water. (Usually offered first semester only.)

124
50 cr
50 118 (50 118) Physical Geography (3 + 2) 4 cr.
A study of the classification and distribution of the major elements of man's physical environment—with particular emphasis on landforms, climates, soils, water, and vegetation. Field trip. Prerequisites: 50 117. (Usually offered second semester only.)

200 cr
50 252 (50 352) Landscape Morphology (3 + 0) 3 cr.
The study of the processes of landform evolution. Analysis of landforms and interpretation of the physical landscape using topographic maps, aerial photographs, and topographic models is stressed. Prerequisites: 50 117, or (Geology) 51 102.** (Usually offered second semester only.)

GEOLOGY

MAJOR: Professional Option: Designed for those students who plan graduate studies in Geology or who will seek employment as a professional geologist in either industry or government. The listed requirements are minimum, and the student is encouraged to take more than 34 credits in Geology.

34 credits to include 51 102, 51 106, 51 205, 51 206, 51 207, 51 331, 51 342 plus electives in geology (or related subjects approved by the Geology Department). Also required (chemistry) 32 105, 32 106, (mathematics) 67 171 and (physics) either 82 101 and 82 102, or 82 107 and 82 108 (or (biology) either 26 101 or 26 107, and either 26 121, 26 126 or 26 127).

MAJOR: Liberal Arts Option: Designed for students who wish a general understanding of the earth, its processes, or its history, but who do not plan to make geology their profession. Working with his advisor, each student can tailor a program to fit his needs or interests.

34 credits to include either 51 102 or 51 169, 51 106, either 51 304 or 51 205, 51 206 and 51 207, plus electives in geology (or related subjects approved by the Geology Department). Also required (chemistry) either 32 101 or 32 105.

MAJOR: Environmental Option: This multidisciplinary program is designed to educate students for environmental analysis from the geologic viewpoint. An effective environmental geologist should have some knowledge of state and local government, biology, chemistry, resource economics, ecology, urban planning, and other associated fields. The course recommendations under this option are based on actual working experiences of members of the Geology

Department while involved in studies of land use and of air, water, and land pollution. Many of the courses required outside the Geology Department will also satisfy the General Undergraduate Degree requirements.

34 credits to include: 51 102, 51 106, 51 206, 51 207, plus electives in geology (and related subjects approved by the Geology Department); the following electives are recommended for this option: 51 302, 51 335, 51 365 and (geography) 50 252. Also required (chemistry) 32 101 or 32 105, (biology) 26 101 or 26 107, and at least 40 credits from among the following: (biology) 26 121, 26 126, 26 127, 26 326, 26 349, (chemistry) 32 107, (economics) *36 355 (geography) *50, 324, *50 335, *50 342, *50 365, *50 381, (physics) 82 101 or 82 107, (political science) *84 109, *84 125, (speech) *96 111, urban affairs) *99 401.

MINOR: A minimum of 22 credits to include 51 102 (or 51 169) and 51 106.

MAJOR IN SECONDARY EARTH SCIENCE EDUCATION: 34 credits to include: Either 51 102 or 51 169; 51 106; either 51 201 and 51 202 or (geography) 50 252 and 51 209; either 51 304 or 51 205 and 51 206; 51 328; 51 342; (geography) either 50 335 or 50 342; (astronomy) either 82 103 or 82 113; plus electives in geology (or related subjects approved by the Geology Department). Also required (mathematics) either 67 108 or 67 103 and 67 104 and two semesters of either biology or chemistry or physics.

MINOR IN EARTH SCIENCE EDUCATION: A minimum of 22 credits to include 51 102 (or 51 169) and 51 106. The following courses are recommended as electives because they apply toward state certification requirements in Earth Science Education: Either 51 201 and 51 202 or (geography) 50 252 and 51 209, 51 304, 51 328, (geography) 50 342, and (astronomy) either 82 103 or 82 113.

51 102 (51 102) Physical Geology (3 + 2) 4 cr.

A study of the nature and origin of the rocks which make up the earth and of the geologic processes which change the surface and the structure of the earth. Among these processes are volcanism, mountain making, weathering, and erosion and the deposition by streams, glaciers, winds, and waves. Laboratory work includes the identification of the more common minerals and rocks, map study and field trips. (Usually offered first semester only.)

51 106 (51 106) Historical Geology (3 + 2) 4 cr.

The origin and history of the earth and the life upon it as determined from study of its rocks and fossils. Emphasis is given to North America. A field trip to the Baraboo area is required. Prerequisite: Physical Geology, or consent of instructor. (Usually offered second semester only.)

51 169 (51 169) Earth Science and Man's Environment (3 + 2) 4 cr.

A study of the physical environment and man's interaction with it. Emphasis is placed upon earth processes which most directly affect man, such as rivers, erosion, groundwater, landslides, and earthquakes. The impact of man upon the environment is also considered. Air, water and soil pollution are studied from a physical-chemical standpoint. The depletion of energy and mineral resources and the need for man to design with nature are discussed. Applications of the scientific method are involved in the laboratory and include field trips; lake, river, and groundwater problems; basic rocks and minerals; and maps. Credit cannot be received for both 51 102 and 51 169. Course is designed for education majors, but is open to any interested student. (Usually offered second semester only.)

HISTORY

MAJOR: 36 credits to include 57 101, 57 102, 57 201, and 57 202, and a minimum of 18 credits in **upper division courses** divided as follows: either (1) 12 credits from American history and 6 credits from European or non-western history, or both; or (2) 12 credits from European or non-western history, or both, and 6 credits from American history. The remaining 6 credits may be in either upper division courses (those numbered in the 300 and 400 sequences) or lower division courses (100 and 200 sequences).

MINOR: 24 credits, to include 57 101, 57 102, 57 201, and 57 202, and a minimum of 9 credits in **upper division courses** with at least 3 credits in American and 3 credits in European or non-western history. At least 3 of the remaining 6 credits must be elected from upper division courses.

The following advanced courses comprise American history offerings: 57 311, 57 312, 57 313, 57 315, 57 316, 57 341, 57 343, 57 344, 57 445, 57 465, 57 471, 57 472, 57 473, 57 474, 57 475, 57 476, 57 477, 57 478, 57 480, 57 481, 57 482, 57 483, 57 484, 57 485, 57 486, 57 487, 57 488, 57 498. Prerequisite to advanced American offerings: Either 57 201 or 57 202, both preferred.

The following advanced courses comprise European history offerings: 57 321, 57 324, 57 327, 57 328, 57 331, 57 332, 57 334, 57 337, 57 338, 57 347, 57 348, 57 351, 57 352, 57 357, 57 358, 57 490, 57 491, 57 492, 57 493, 57 494, 57 495, 57 496, 57 499. Prerequisite to advanced European offerings: Either 57 101 or 57 102, both preferred.

The following advanced courses comprise non-western history offerings: 57 361, 57 362, 57 363, 57 364, 57 365, 57 366 and 57 460. The following advanced courses are classified as both American and non-western offerings: 57 343, 57 344, and 57 445. The following advanced courses are classified as both European and non-western offerings: 57 495 and 57 496.

SOCIAL SCIENCE MAJOR: 54 credits (for secondary education students.) The broad fields major consists of (a) a minor taken in one of the currently offered fields of the social studies, (b) a minimum of six credits in history and in each of three additional fields of the social studies if history is not selected as a minor, in four additional fields if history is selected as a minor, and (c) sufficient other courses in the social studies to total 54 credits. Minors can currently be taken in the following fields: African studies, Afro-American studies, anthropology, economics, geography, history, Latin American studies, political science, psychology, and sociology. International Studies 59 205, 59 206 and 59 207 may be taken to meet one of the required six credit concentrations referred to in item (b) above. The Social Science major must be accompanied by Ed. 11 329 and 14 337. The completion of this broad fields major is appropriate preparation for teaching high school courses in the minor area within this special major or for teaching social studies in junior or senior high schools.

111-112-115 - part of 119

57 101 (57 101) Early Civilization (3 + 0) 3 cr.
A survey of the development of Western Civilization, from its beginnings in Mesopotamia and Egypt, through Greece, Rome, the Middle Ages, and the Renaissance.

119-126
57 102 (57 102) Modern Civilization (3 + 0) 3 cr.
A survey of the development of Western Civilization from the Renaissance through the Reformation, the scientific revolution, the Enlightenment, the industrial revolution, and the emergence of nationalism and democracy, to the present.

101
57 201 (57 301) United States History to 1865 (3 + 0) 3 cr.
A survey of United States history from voyages of discovery and early European settlement in North America, through colonial rivalries, the struggle of the English colonies for independence, the expansion and development of the young republic, and the crisis of the Civil War to 1865.

102
57 202 (57 302) United States History Since 1865 (3 + 0) 3 cr.
A survey of United States history from 1865. It deals with the emergence of a modern, industrial state, American expansion abroad, the First World War, and America's role as a world power to the present.

MATHEMATICS

MAJOR: (Secondary): 34 credits to include: (a) 67 171, 67 172, 67 222; (b) 15 credits from courses numbered above 300 with at least one course selected from each of the following areas:

1. Geometry
2. Probability and Statistics
3. Algebra or Number Theory

MAJOR: (Liberal Arts, Graduate Preparation): 40 credits to include: (a) 67 171, 67 172, 67 273, 67 222; (b) a seminar or an independent study course; and (c) 7 courses numbered above 300 (excluding seminars and reading courses). Of these, two courses must be selected from area 1, two from area 2, and two from one of the other areas listed below:

1. Algebra (67 342, 67 346)
2. Analysis (67 461, 67 462, 67 471)
3. Geometry and Topology (67 332, 67 433, 67 435, 67 480)
4. Probability and Statistics (67 380, 67 381, 67 382, 67 392, 67 393)

MAJOR: (Applied Mathematics): 39 credits to include (a) 67 171, 67 172, 67 273, 67 222, 67 371, 67 380; (b) 34 151 or equivalent is required but does not count toward the 39 credits required; (c) five courses with numbers above 300, (in addition to 67 371, 67 380) which must include a one-year sequence from either area 1 or area 2:

1. Statistics: 67 392, 67 393.
2. Numerical Analysis: 67 355, 67 356

*While 67 273 is not included in the minimum requirements for the secondary major, the sequence 67 171, 67 172, 67 273 should be completed by all students who expect to do graduate work in mathematics. Students without a minor should take 67 273.

MINOR: (Letters and Science): 25 credits to include: (a) 67 171, 67 172 and 67 273 and; (b) 12 credits of electives from courses numbered above 200, approved by the Mathematics Department. [Students should see department chairman to be assigned a minor advisor].

MINOR: (Secondary Education): A minimum of 24 credits, to include: 67 171, 67 172, 67 222; one course in geometry and one course in algebra with a course in probability-statistics highly recommended.

Area of Emphasis in Mathematics for Elementary and Junior High School Programs: A minimum of 22 credits to include: 67 108 or 67 311, 67 111, 67 211, 67 310 or 14 341, 67 413, and 67 415.

67 012 (67 201) Remedial and Elementary Arithmetic (2 + 0) 0 cr.
To be taken with 67 111 by students in elementary programs who do not gain exemption through the Arithmetic Placement Examination. (Usually offered first semester only.)

101
67 103 (67 141) Introduction to College Algebra I (3 + 0) 3 cr.
Numbers and operations, equations and inequalities, exponents and radicals, complex numbers, functions and graphs. Prerequisite: A minimum of two years of high school mathematics from the areas of algebra and geometry and the recommendation of the Mathematics Department. This recommendation is made on the basis of the student's high school mathematics record, score on the Mathematics Placement Exam and indicated university objectives.

112
67 104 (67 142) Introduction to College Algebra II (3 + 0) 3 cr.
Continuation of functions and graphs including trigonometry and logarithms, polynomials, induction, progressions, matrices and determinants, permutations, combinations, probability. Students may not receive credit for both 67 104 and 67 108. Prerequisite: 67 103.

106-420
67 108 (67 161) College Algebra and Trigonometry (5 + 0) 5 cr.
Introduction to sets, logic, functions and relations. Number systems (including complex numbers) equations, inequalities and absolute values. Mathematical induction and the binomial theorem. Functions. Graphing techniques. Plane trigonometry. Permutations, combinations and probability. Linear systems. Theory of equations. Students may not receive credit for both 67 104 and 67 108. Prerequisite: 67 103 or a minimum of 2½ years of high school mathematics from the areas of algebra and geometry and the recommendation of the Mathematics Department. This recommendation is made on the basis of the student's high school mathematics record, score on the Mathematics Placement Exam and indicated university objectives.

115
67 111 (67 203) College Arithmetic (2 + 0) 2 cr.
Elementary ideas about sets. Systems of numeration. Operations on whole numbers and rational numbers and their properties. Algorithms and their rationale. Elements of number theory. (Usually offered first semester only.)

221
67 171 (67 261) Calculus and Analytic Geometry I (5 + 0) 5 cr.
Analytic geometry of the straight line and circle. Functions, limits and derivatives. Differentiation of algebraic functions. Theory of maxima and minima. Conic sections and other algebraic curves. Theory of definite integrals, and the fundamental theorem of integral calculus. Calculation of areas by integration. Selected topics in advanced algebra and analytic trigonometry will be reviewed as needed. Prerequisite: 67 108 or a minimum of 3½ years of high school mathematics, and including work in algebra, geometry and trigonometry, and the recommendation of the Mathematics Department. This recommendation is made on the basis of the student's high school mathematics record, score on the Mathematics Placement Exam and indicated university objectives.

222
67 172 (67 262) Calculus and Analytic Geometry II (5 + 0) 5 cr.
Continuation of 67 171. The definite integral as the limit of a sum. Geometric and physical applications of definite integrals. Differentiation of transcendental functions. Integration by parts and by substitution. Integration of rational functions. Moments and centers of gravity. Vector algebra. Parametric equations, polar coordinates, and applications. Prerequisite: 67 171.

119+119-2000
67 204 (67 422) **Mathematics for Business Analysis** (5 + 0) 5 cr.
Special functions, variation, series, binomial theorem, and progressions with applications in compound interest, annuities, construction of tables, etc. Derivatives and integrals as applied to business analysis, systems of linear equations, matrices, determinants, linear programming, probability and statistics. Prerequisite: 67 104 or 67 108, or a minimum of 3½ years of high school mathematics, including work in algebra, geometry, and trigonometry, and a satisfactory score on the Mathematics Placement Exam. (Usually offered second semester only.)

11637
67 211 (67 403) **Fundamentals of Arithmetic** (3 + 0) 3 cr.
Introduction to logic. The number line. Measurement of linear, plane, and solid figures. Intuitive geometry including congruence, symmetry, and similarity. Ratio and proportion. Prerequisite: 67 111 or consent of Mathematics Department. (Usually offered second semester only.)

223
-4 cr
67 273 (67 263) **Calculus and Analytic Geometry III** (3 + 0) 3 cr.
Topics in multi-variable calculus including vectors and three dimensions, partial derivatives of functions of more than one variable, double and triple integrals, applications, sequence and infinite series. Prerequisite: 67 172.

PRACTICAL ARTS

Non-departmental. Offerings are related to the Mathematics Department.

Engg
101
67 101 (85 101) **Elements of Descriptive Geometry** (0 + 6) 3 cr.
A basic course designed to help solve engineering problems that deal with single and intersecting surfaces which are not necessarily placed in principal planes of projection. A graphic study is made of points, lines, and planes in space. Both auxiliary projections and rotations are employed. Other areas of study include: piercing point, parallelism, perpendicularity, vectors, developments, warped surface, and mining and geology applications. (Usually offered first semester only.)

1113
67 102 (85 102) **Engineering Drawing and Design** (0 + 6) 3 cr.
A course designed to provide basic knowledge of the standards of Engineering Drawing and to develop basic skills in the use of drafting equipment. Major areas covered include: orthographic projection, pictorial drawing, auxiliary and sectional views, fasteners and mechanical accessories, basic and limit dimensioning, and working drawings. Emphasis is placed on ability to use handbooks and other source materials, adherence to A.S.A. standards, and familiarity with simplified drafting practices. The student is introduced to the fundamental principles of Tool Design through the actual design and layout of simple jigs and fixtures. (Usually offered second semester only.)

MILITARY SCIENCE

70 101 (70 101) **U.S. Defense Establishment I** (1 + 1) 1 cr.
Orientation of the ROTC program. Objectives and instruments of national power, strategy and security. Evolution of weapons and warfare. Leadership laboratory.* (Usually offered first semester only.)

70 102 (70 102) **U.S. Defense Establishment II** (1 + 1) 1 cr.
Military organizations, missions and capabilities. Individual weapons and marksmanship. Leadership laboratory.** (Usually offered second semester only.)

70 201 (70 301) **American Military History** (2 + 1) 2 cr.
A survey of American military history with emphasis on factors which have contributed to the development of military art and theory as practiced in the U.S. Army. Leadership laboratory.* (Usually offered first semester only.)

70 202 (70 302) **Introduction to Tactics and Operations** (2 + 1) 2 cr.
The objectives of this course are (1) to develop an appreciation of the fundamentals and techniques of small unit tactics; (2) to orient the student on the use of maps and map substitutes required for military operations; (3) to introduce the student to the fundamental considerations for military operations. Leadership laboratory, to include weekend field trip.** (Usually offered second semester only.)

*Leadership laboratory will meet for one hour period per week during the semester.

**Leadership laboratory will meet for one hour period per week during the semester.

MUSIC

MAJOR: (Music Education-Instrumental)

1. With Band/Orchestra concentration — 62-64 credits to include: 16-18 credits in theory, 8-10 credits in history and literature, 32 credits in performance (applied lessons, concert organizations, technique classes and conducting), 2 credits in methods, and 2-4 credits in elective courses.

2. With General Music concentration — 64 credits to include: 16-18 credits in theory, 8-10 credits in history and literature, 32 credits in performance (applied lessons, concert organizations, technique classes and conducting), and 6 credits in methods.

MAJOR: (Music Education-Vocal) 62-64 credits to include: 16-18 credits in theory, 8-10 credits in history and literature, 30 credits in performance (applied lessons and related courses, organizations, and conducting), 4 credits of methods and 2-4 elective credits.

MAJOR: (B.A. or B.S.-Vocal or Instrumental) 42 credits, to include: 14 credits in theory, 16 credits in applied music, 4 credits in concert organizations, 8 credits in history and literature courses.

MAJOR: (Bachelor of Music-Instrumental Emphasis) 78 credits to include: 32 credits in a primary instrument, 4 credits in a secondary instrument, 20 credits in music theory, 10 credits in history and literature, 4 credits in chamber music, 4 credits in concert instrumental organizations, 2 credits in instrumental conducting, and 2 credits in piano or piano class.

MAJOR: (Bachelor of Music-Piano or Organ Emphasis) 78 credits, to include: 32 credits in applied piano or organ, 20 credits in music theory, 16 credits in history and literature, 4 credits in chamber music, 4 credits in concert organizations, and 2 credits in conducting.

MAJOR: (Bachelor of Music-Vocal Emphasis) 77 credits, to include: 32 credits in applied voice, 4 credits in applied keyboard, 20 credits in music theory, 10 credits in history and literature, 4 credits in concert choral organizations, 4 credits in opera workshop, 2 credits in choral conducting, and 1 credit in vocal techniques.

MAJOR: (Bachelor of Music-Music Therapy) 58 credits of music and 12 credits of music therapy, to include: 18 credits in music theory, 6 credits in music history and literature, 24 credits in applied music and instrumental techniques, 4 credits in organizations, 3-4 credits in conducting, and 12 credits in music therapy including a six-month internship.

MINOR: (Elementary) 26 credits, to include: 9 credits in theory and allied courses, 2 credits in music education courses, 4 credits in applied music, 4 credits in concert choral organizations, 4 credits in history and literature courses, 3 credits in conducting and choral techniques.

MINOR: (Non-Teaching) 24 credits, to include: 4 credits in concert organizations, 9 credits in theory (73 105, 73 106, 73 203), 4 credits in history and appreciation (73 317 and 73 318), 4 credits in applied music, and 3 credits in electives.

Candidates for degrees should not accumulate more than eight of the 128 credits required for graduation in "activities" courses in Health Education, Music, Physical Education, and Speech.

PERFORMANCE

I. CONCERT ORGANIZATIONS

University Wind Ensemble (0 + 4) 1 cr.
73 121, 73 122, 73 221, 73 222, (73 121, 73 122, 73 321, 73 322)

University Choir (0 + 4) 1 cr.
73 131, 73 132, 73 231, 73 232, (73 131, 73 132, 73 331, 73 332)

II. APPLIED MUSIC

Credit is granted for private instruction on the basis of one credit for each half hour lesson per week. Each semester course number in applied music is a prerequisite to the following semester. Private applied lessons are for music majors and minors only. Permission to register must be obtained from the coordinator of the respective applied area.

Percussion Instruments 1-4 cr.
73 191, 73 192, 73 291, 73 292, (73 191, 73 192, 73 391, 73 392)

String Instruments 1-4 cr.
73 193, (73 193)

Woodwind Instruments 1-4 cr.
73 195, 73 196, 73 295, 73 296, (73 195, 73 196, 73 395, 73 396)

Brass Instruments 1-4 cr.
73 197, 73 198, 73 297, 73 298, (73 197, 73 198, 73 397, 73 398)

Organ 1-4 cr.
73 161, 73 162, 73 261, 73 262, 73 361, 73 362, 73 461, 73 462
(73 261, 73 262, 73 461, 73 462, 73 661, 73 662, 73 861, 73 862)

Piano 1-4 cr.
73 171, 73 172, 73 271, 73 272, (73 271, 73 272, 73 471, 73 472)

Class Piano for Elementary Majors (1 + 1) 1 cr.
73 175 (73 275) A course for elementary education majors who need additional keyboard experience.

Chamber Music (0 + 1) 1 cr.
73 208, 73 209 (73 408, 73 409) A study and performance of master works representative of several styles in music and in all idioms. Regularly scheduled performances are a required part of the course.

III. Techniques Courses

73 176, 73 177 (73, 297, 73 298) **Brass Instrument Techniques** (1 + 1) 1 cr.

A practical study of brass instruments with methods of teaching brass in class and private lessons.

MUSIC HISTORY AND LITERATURE COURSES

73 115 (73 115) **Introduction to Music Literature I** (1 + 1) 1 cr.
A fundamental study of the elements of music and score reading used as a guide to listening. Emphasis is placed on literature from all periods to illustrate the various musical elements and mediums. Required listening. For music majors only. (Usually offered first semester only.)

202
211/202
not for music major

73 116 (73 116) **Introduction to Music Literature II** (1 + 1) 1 cr.
A general, chronological survey of all musical periods with emphasis on the literature and the development of forms and styles. Required listening. Prerequisite: 73 115. (Usually offered second semester only.)

211
212
73 205 (73 305) **Survey of Music History I** (2 + 1) 2 cr.
The evolution and development of music from antiquity to the Classical Era. Special emphasis is placed on the development of polyphony, musical forms, and styles. Prerequisites: 73 115 and 73 116. (Usually offered first semester only.)

73 207 (73 307) **Survey of Music History II** (2 + 1) 2 cr.
A continuation of the evolution and development of music from the Classical Era to the present day. Special emphasis on literature and musical research techniques. Prerequisites: 73 115 and 73 116. (Usually offered second semester only.)

name
73 219 (73 309) **Music Appreciation** (2 + 0) 2 cr.
A general survey of music literature to gain an understanding of the function of music in contemporary living. Primary emphasis on listening. A course for the non-music major or minor.

THEORY AND ALLIED COURSES

101
73 101 **Elements of Music** (3 + 0) 3 cr.
A course for elementary majors in the introduction to music through ear training, sight singing, and acquaintance with keyboard instruments.

127
73 104 (73 104) **Harmony I** (3 + 2) 4 cr.
Partwriting in the Bach Chorale style. Prerequisite 73 107. (Usually offered second semester only.)

121
73 107 (73 107) **Basic Musicianship** (3 + 2) 4 cr.
Introduction to music and its notation, with an emphasis on ear training and sight singing and leading to the Bach Chorale Technique. For Music Majors and Minors only. (Usually offered first semester only.)

221
73 213 (73 313) **Counterpoint III** (2 + 1) 2 cr.
Beginning counterpoint. Prerequisite 73 104.

222
73 214 (73 314) **Counterpoint IV** (2 + 1) 2 cr.
A continuation of 73 214. Prerequisite 73 214.

PHILOSOPHY

MAJOR: 34 credits to include 76 201, 76 205, 76 209, 76 301, 76 305, 76 309.

MINOR: 24 credits to include 76 201, 76 205, 76 209, 76 301 or 76 305.

211
76 201 (73 301) **Elementary Logic** (3 + 0) 3 cr.
An analysis of thinking, deductive, inductive, and instrumental, designed to aid in the development of the thinking process. Examples illustrating the use of logical and illogical reasoning drawn from selected exercises and current literature. Note: 76 201 may be taken to meet the science-mathematics requirements in general education, nursing, and wherever else acceptable.

name
76 202 (76 302) **Symbolic Logic** (3 + 0) 3 cr.
A study of the formal characteristics of deductive inference and deductive systems. Prerequisite: 76 201 or consent of instructor. Note: 76 202 may be taken to meet the science-mathematics requirements in general education and wherever else acceptable. (Usually offered second semester only.)

241
76 205 (76 305) **Ethics** (3 + 0) 3 cr.
An analysis of the principal theories and their practical applications to problems concerning the individual and society. Proposed methods of justifying moral principles will be examined.

101

76 209 (76 309) Introduction to Philosophy (3 + 0) 3 cr.
A survey of some of the perennial problems of the human enterprise, such as the nature of reality, of truth, of beauty, of man's ideal political and social relationships and of the good life, together with solutions to these problems, offered by the best known Greek, medieval, and modern philosophers. (Usually offered first semester only.)

253

76 215 (76 315) Philosophy of Art (3 + 0) 3 cr.
An examination of the major philosophies of artistic experience, creation, and criticism. Particular attention will be paid to the devising of standards for evaluating works of art.

76 240 Independent Study 1-3 cr.
Consent of instructor necessary.

PHYSICAL EDUCATION AND HEALTH EDUCATION

HEALTH EDUCATION

MINOR: 25 hours to include: (Biology) 26 211; (Health Education) 55 106, 55 101, 55 301, 55 308, 55 211, 55 402; (Psychology) 86 331; (Sociology) 92 343; (Education) 11 640. Note prerequisites.

PHYSICAL EDUCATION

MAJOR: (for men) 51 credits to include 77 107, 77 165, 77 179, 77 200, 77 215, 77 217, 77 229, 77 305, 77 311, 77 313, 77 321, 77 323, 77 347, 77 349, 77 441, 77 460, and (Biology) 26 101 or 26 107, 26 211, and 26 212; and six physical education electives.

MAJOR: (for women) 41 credits to include 77 107, 77 108, 77 109, 77 131, 77 155, 77 165, 77 200, 77 201, 77 202, 77 203, 77 221 (or pass a swimming proficiency test), 77 305, 77 321, 77 323, 77 325, 77 341 or 77 345, 77 347, 77 423, 77 441 or 77 443, 77 460; and (Biology) 26 101 or 26 107, 26 211, and 26 212.

MINOR: (for Women in Secondary Education) 22 credits to include 77 107, 77 108, 77 109, 77 201, 77 202, 77 203, 77 323, 77 460, and (Biology) 26 101 or 26 107, 26 211, and 26 212.

MINOR: (for men in Secondary Education) 31 credits to include 77 179, 77 215, 77 217, 77 221 or 77 224 or 77 326, 77 305, 77 323, 77 460, and (Biology) 26 101 or 26 107, 26 211, and 26 212.

MINOR: (for men and women in Elementary Education, Physical Education, and Special Education) 21 credits to include 77 179 or 77 203, 77 200, 77 204, 77 302, 77 345, and nine credits of electives to be selected from 77 107, 77 155, 77 165, 77 224, 77 304 or 77 443, 77 323, 77 423.

Candidates for degrees should not accumulate more than eight of the 128 credits required for graduation in "activities" courses in Health Education, Music, Physical Education, and Speech.

HEALTH EDUCATION

- 116
- 55 101 (55 101) Safety and First Aid (2 + 0) 2 cr.**
Recognition of necessity of accident prevention and the consciousness of hazards with consequent need of building self-control and conscious responsibility of safety of others. The emergency care measures for bleeding, wounds, burns, fractures, suffocation, unconscious conditions, poisons, and other common illnesses and emergencies are presented. Lectures and demonstrations are accompanied by training in proper methods and procedures of emergency care.

PHYSICAL EDUCATION

- 101 2
- 77 101 (77 101) Fundamentals of Movement (For Women) (0 + 2) 1 cr.**
The nature and function of movement fundamentals, body conditioning, physical fitness, and posture. The skills and techniques of relaxation are included. Some attention is given to plays, games, and playground management.
- 77 107 (77 207) Orientation to Physical Education (Men and Women) (1 + 0) 1 cr.**
An introduction to physical education as a profession including professional preparation, history, scope, and contemporary issues. (Usually offered first semester only.)
- 77 111 (77 111) Basic Physical Education (Men) (0 + 2) 1 cr.**
A basic course designed to improve fitness through the use of conditioning exercises and seasonal sports.
- 77 113 (77 113) Weight Training and Conditioning (Men) (0 + 2) 1 cr.**
Fundamental course in weight training for body conditioning and basic physical conditioning techniques. (Usually offered first semester only.)
- 77 122 (77 122) Archery and Bowling (Men and Women) (0 + 2) 1 cr.**
Basic skills and techniques fundamental to archery and bowling. (Usually offered first semester only.)
- 77 123 (77 123) Golf and Bowling (Men and Women) (0 + 2) 1 cr.**
Basic skills and techniques fundamental to golf and bowling. Designed primarily for students of beginning levels of skill.
- 77 125 (77 125) Beginning Horsemanship (Men and Women) (0 + 2) 1 cr.**
\$40.00 fee. Introductory course in English riding including care and grooming of horses. Emphasis on horsemanship.
- 77 126 (77 126) Intermediate Horsemanship (Men and Women) (0 + 2) 1 cr.**
\$40.00 fee. Intermediate course in English riding. Emphasis on improving horsemanship skills. (Usually offered second semester only.)
- 77 129 (77 129) Square and Social Dance (Men and Women) (0 + 2) 1 cr.**
Beginning square dance and introductory social dance skills including fox trot, waltz, tango, cha-cha, and swing. (Usually offered second semester only.)
- 77 130 (77 130) Tennis-Badminton (Men and Women) (0 + 2) 1 cr.**
A basic course in tennis and badminton with emphasis upon beginning skills and techniques.
- 77 132 (77 132) Beginning Judo (Men and Women) (0 + 2) 1 cr.**
A basic course in fundamental falls, holds, and throws. Uniform required.
- 77 134 (77 134) Intermediate Judo (Men and Women) (0 + 2) 1 cr.**
Encompasses the principles of the first Too Kyo of the Go Kyomo Waza as outlined by the Kodokan. The emphasis is placed upon throwing techniques. Students are tested for promotion to YonKyu (green belt). Prerequisite: Beginning Judo or consent of instructor. (Usually offered second semester only.)
- 77 136 (77 136) Beginning Scuba (Men and Women) (0 + 2) 1 cr.**
Basic skin scuba training. Use of equipment and diving techniques. Must be able to swim 50 yards. \$15.00.

77 139 (77 139) Trampoline-Tumbling (Men and Women) (0 + 2) 1 cr.
Skills of trampoline and mat tumbling from the simple to the complex. (Usually offered second semester only.)

77 141 (77 141) Gymnastics (Men and Women) (0 + 2) 1 cr.
Free exercise, side horse, still rings, horizontal bar, vaulting, parallel bars, uneven parallel bars, balance beam, conditioning exercise. (Usually offered second semester only.)

77 145 (77 145) Archery and Apparatus (Men and Women) (0 + 2) 1 cr.
A basic course in the fundamentals of archery and an introduction to fundamental skills in basic gymnastic apparatus. (Usually offered second semester only.)

77 146 (77 146) Badminton, Folk and Square Dancing (Men and Women) (0 + 2) 1 cr.
A course of basic instruction in the techniques of badminton and an introduction to square dance and folk dance. (Usually offered second semester only.)

77 147 (77 147) Beginning Skiing (Men and Women) (0 + 4) 1 cr.
A course designed to teach safety, appreciation and basic techniques of snow skiing. Special fee required.

77 201 (77 301) Individual and Dual Sports (For Women) (1 + 3) 2 cr.
Skills, rules, and teaching techniques involved in tennis, fencing, archery, and bowling. Enrollment limited to women physical education majors and minors.

77 202 (77 302) Individual and Dual Sports (For Women) (1 + 3) 2 cr.
Skills, rules, and teaching techniques involved in badminton, track and field, and golf. Enrollment limited to women physical education majors and minors.

PHYSICAL SCIENCE

Minor
80 101 (80 101) Physical Science (3 + 2) 4 cr.
Designed particularly for students preparing of elementary school teaching. The basic concepts of physical science that the student must understand to teach elementary school science are studied. The laboratory work is designed to develop the competency of the student to the level where he can effectively guide an elementary school science laboratory program. The relationship between physical science and other areas of science and mathematics is developed, and an important objective of the course is to raise the student's level of scientific literacy. The concepts of physical science are related to the everyday life of the student.

PHYSICS

MAJORS: 34 credits to include 82 107 and 82 108, or 82 109 and 82 110, 82 190, 82 206, 82 208, 82 317, 82 319, 82 320, 82 321, and the remaining credits chosen from department offerings at or above the 200 level (excepting 82 201, 202) and/or a list of extra-departmental offerings approved by the department. Courses 82 325, 82 335, and 82 345 will not count as credit for a physics major in the School of Letters and Science.

MINOR: (Physics-Letters and Science) 24 credits to include 82 107 and 82 108, or 82 109 and 82 110, 82 206, 2 credits of intermediate laboratory, and the remaining credits chosen from the following: 82 190 and physics courses at or above the 200 level.

MINOR: (Physics-Secondary Education) 24 credits to include one of the two semester sequences 82 107, 108 or 82 109, 110, and 82 235, 82 335, and 82 345, and the remaining credits chosen from the following: 82 190 and physics courses at or above the 200 level.

MINOR: (Astronomy) 24 credits, to include 82 107 and 82 108, or 82 109 and 82 110, 82 203, 82 204, 82 303, 82 304, and remaining credits from 82 307, 82 320, 82 321, 82 419, 82 420, 82 401, 82 405, 67 375, 67 376, 67 355.

201 **82 107 (82 107) General Physics (4 + 2) 5 cr.**

A survey of mechanics, heat, and sound providing a suitable background for professional work occasionally dependent on these fields. Recommended for students following a pre-professional curriculum. Suitable for chemistry, physics, and mathematics majors with departmental consent. Students having concurrent registration in Mathematics 67 171 should take Physics 82 109. Prerequisite: Credit or concurrent registration in Mathematics 67 108, or credit in Mathematics 67 104. (Usually offered first semester only.)

202 **82 109 (82 108) General Physics (4 + 2) 5 cr.**

A survey of electricity, magnetism, and light providing a suitable background for professional work occasionally dependent on these fields. Recommended for students following a pre-professional curriculum. Suitable for chemistry, physics, and mathematics majors with departmental consent. Students should enroll in Physics 82 110 if they meet the prerequisites for that course. Prerequisite: Physics 82 107 (or A or B in Physics 82 101) and credit or concurrent registration in Mathematics 67 108, or credit in Mathematics 67 104. (Usually offered second semester only.)

201 **82 201 (82 301) Statics for Engineering 3 cr.**

A study of the action of forces on bodies at rest or in equilibrium. Topics covered include forces and force systems, composition and resolution of forces, forces in equilibrium, simple frameworks, trusses, friction, center of gravity. This course is designed for pre-engineering students and will not ordinarily be taken by physics majors and minors. Prerequisite: Credit or concurrent registration in 82 107 or 82 109, Mathematics 67 171. (Usually offered first semester only.)

202 **82 202 (82 302) Dynamics for Engineering (3 + 0) 3 cr.**

A study of motion and the action of forces in producing or modifying the motion of bodies. Topics covered include rectilinear motion, curvilinear motion, rotation, plane motion, D'Alembert's Principle, work, power, energy, impulse, and momentum. This course is designed for pre-engineering students and will not ordinarily be taken by physics majors and minors. Prerequisite: 82 201. Credit or concurrent enrollment in Mathematics 67 172. (Usually offered second semester only.)

POLITICAL SCIENCE

MAJOR: 34 credits to include all departmental foundation courses and a minimum of 25 additional credits selected from the remaining courses offered. In order to achieve an appropriate measure of competence within the political science discipline, majors are required to select and to take courses totaling 18 credits concentrated in at least three of the five groups below.

Note: A maximum of three credits selected from the following courses in the Urban and Regional Studies Department may be counted in Group 1 toward a major only: 99 301, 99 320, 99 361, and 99 401. (For course description, see Urban Studies Department.)

A maximum of three credits selected from the following courses in the International Studies Department may be counted in Group 4 toward a major only: 59 205, 59 206, 59 207, and 59 402. (For course description, see International Studies Department.)

MINOR: 22 credits to include the departmental foundation courses and a minimum of 13 additional credits selected among the five groups below with no particular concentration.

Group 1: American Government

Group 2: Political Theory

Group 3: Comparative Government

Group 4: International Relations and Organization

Group 5: Public Administration

101
84 101 (84 101) **Introduction to Government** (3 + 0) 3 cr.
Role of government in contemporary society; varying systems of government; democracy, communism, and fascism; principles and problems; the individual and his government; the relations of states with one another. (Usually offered first semester only.)

101
84 105 (84 105) **American Government** (3 + 0) 3 cr.
Organization, principles, and actual working of the American National Government in all its branches.

175
84 115 (84 115) **International Politics** (3 + 0) 3 cr.
Development of the national state system; role of the great powers; the struggle for power; settlement of disputes; diplomacy; the quest for law; nationalism; contemporary problems. Prerequisite: 84 101 or 84 105 or consent of instructor.

105
84 125 (84 225) **State and Local Government** (3 + 0) 3 cr.
Organization, structure, and function of state and local government with emphasis on Wisconsin. Prerequisite: 84 105 or by consent of instructor. (Usually offered second semester only.)

PSYCHOLOGY

The undergraduate program in psychology is designed to provide the opportunity for understanding basic principles of behavior and various applications. A psychology major may be developed as a liberal arts preparation for employment in business, industry, or service agencies, as a preparation for professional or graduate school, or for teaching in secondary schools. Undergraduate students who plan to pursue graduate work in psychology are strongly encouraged to pursue an interdisciplinary emphasis. Courses should include advanced work in mathematics and statistics, laboratory work in the natural sciences (preferably biology), a foreign language, and advanced work in social sciences. It is important that the student consults with department advisors for program development and registration assistance.

MAJOR (Plan A): 33 credits of psychology consistent with groups I, II, and III below.

MAJOR (Plan B): 27 credits of psychology consistent with groups I, II, and III below and a minor in biology, chemistry, computer science, mathematics or physics, except that the 10 credits of laboratory biology are waived.

Group I—Required courses: 67 104 or 67 108 (Introduction to College Algebra II or College Algebra and Trigonometry), 10 credits of Laboratory Biology to include 26 126 (Vertebrate Biology), 86 201 (General Psychology), 86 203 (Elementary Psychological Statistics), 86 371 (Experimental Psychology).

MINOR: (Physics-Secondary Education) 24 credits to include one of the two semester sequences 82 107, 108 or 82 109, 110, and 82 235, 82 335, and 82 345, and the remaining credits chosen from the following: 82 190 and physics courses at or above the 200 level.

MINOR: (Astronomy) 24 credits, to include 82 107 and 82 108, or 82 109 and 82 110, 82 203, 82 204, 82 303, 82 304, and remaining credits from 82 307, 82 320, 82 321, 82 419, 82 420, 82 401, 82 405, 67 375, 67 376, 67 355.

201
82 107 (82 107) General Physics (4 + 2) 5 cr.
A survey of mechanics, heat, and sound providing a suitable background for professional work occasionally dependent on these fields. Recommended for students following a pre-professional curriculum. Suitable for chemistry, physics, and mathematics majors with departmental consent. Students having concurrent registration in Mathematics 67 171 should take Physics 82 109. Prerequisite: Credit or concurrent registration in Mathematics 67 108, or credit in Mathematics 67 104. (Usually offered first semester only.)

202
82 108 (82 108) General Physics (4 + 2) 5 cr.
A survey of electricity, magnetism, and light providing a suitable background for professional work occasionally dependent on these fields. Recommended for students following a pre-professional curriculum. Suitable for chemistry, physics, and mathematics majors with departmental consent. Students should enroll in Physics 82 110 if they meet the prerequisites for that course. Prerequisite: Physics 82 107 (or A or B in Physics 82 101) and credit or concurrent registration in Mathematics 67 108, or credit in Mathematics 67 104. (Usually offered second semester only.)

Engg Mech 101
82 201 (82 301) Statics for Engineering 3 cr.
A study of the action of forces on bodies at rest or in equilibrium. Topics covered include forces and force systems, composition and resolution of forces, forces in equilibrium, simple frameworks, trusses, friction, center of gravity. This course is designed for pre-engineering students and will not ordinarily be taken by physics majors and minors. Prerequisite: Credit or concurrent registration in 82 107 or 82 109, Mathematics 67 171. (Usually offered first semester only.)

Engg Mech 102
82 202 (82 302) Dynamics for Engineering (3 + 0) 3 cr.
A study of motion and the action of forces in producing or modifying the motion of bodies. Topics covered include rectilinear motion, curvilinear motion, rotation, plane motion, D'Alembert's Principle, work, power, energy, impulse, and momentum. This course is designed for pre-engineering students and will not ordinarily be taken by physics majors and minors. Prerequisite: 82 201. Credit or concurrent enrollment in Mathematics 67 172. (Usually offered second semester only.)

POLITICAL SCIENCE

MAJOR: 34 credits to include all departmental foundation courses and a minimum of 25 additional credits selected from the remaining courses offered. In order to achieve an appropriate measure of competence within the political science discipline, majors are required to select and to take courses totaling 18 credits concentrated in at least three of the five groups below.

Note: A maximum of three credits selected from the following courses in the Urban and Regional Studies Department may be counted in Group 1 toward a major only: 99 301, 99 320, 99 361, and 99 401. (For course description, see Urban Studies Department.)

A maximum of three credits selected from the following courses in the International Studies Department may be counted in Group 4 toward a major only: 59 205, 59 206, 59 207, and 59 402. (For course description, see International Studies Department.)

MINOR: 22 credits to include the departmental foundation courses and a minimum of 13 additional credits selected among the five groups below with no particular concentration.

Group 1: American Government

Group 2: Political Theory

Group 3: Comparative Government

Group 4: International Relations and Organization

Group 5: Public Administration

101
84 101 (84 101) **Introduction to Government** (3 + 0) 3 cr.
Role of government in contemporary society; varying systems of government; democracy, communism, and fascism; principles and problems; the individual and his government; the relations of states with one another. (Usually offered first semester only.)

101
84 105 (84 105) **American Government** (3 + 0) 3 cr.
Organization, principles, and actual working of the American National Government in all its branches.

175
84 115 (84 115) **International Politics** (3 + 0) 3 cr.
Development of the national state system; role of the great powers; the struggle for power; settlement of disputes; diplomacy; the quest for law; nationalism; contemporary problems. Prerequisite: 84 101 or 84 105 or consent of instructor.

105
84 125 (84 225) **State and Local Government** (3 + 0) 3 cr.
Organization, structure, and function of state and local government with emphasis on Wisconsin. Prerequisite: 84 105 or by consent of instructor. (Usually offered second semester only.)

PSYCHOLOGY

The undergraduate program in psychology is designed to provide the opportunity for understanding basic principles of behavior and various applications. A psychology major may be developed as a liberal arts preparation for employment in business, industry, or service agencies, as a preparation for professional or graduate school, or for teaching in secondary schools. Undergraduate students who plan to pursue graduate work in psychology are strongly encouraged to pursue an interdisciplinary emphasis. Courses should include advanced work in mathematics and statistics, laboratory work in the natural sciences (preferably biology), a foreign language, and advanced work in social sciences. It is important that the student consults with department advisors for program development and registration assistance.

MAJOR (Plan A): 33 credits of psychology consistent with groups I, II, and III below.

MAJOR (Plan B): 27 credits of psychology consistent with groups I, II, and III below and a minor in biology, chemistry, computer science, mathematics or physics, except that the 10 credits of laboratory biology are waived.

Group I—Required courses: 67 104 or 67 108 (Introduction to College Algebra II or College Algebra and Trigonometry), 10 credits of Laboratory Biology to include 26 126 (Vertebrate Biology), 86 201 (General Psychology), 86 203 (Elementary Psychological Statistics), 86 371 (Experimental Psychology).

Group II—Electives (Methodological and non-applied areas): Minimum of 12 credits from: 86 205 (Social Psychology), 86 314 (Statistical Methods for Psychological Research), 86 411 (Introduction to Psychological Testing), 86 433 (Comparative Psychology), 86 455 (Perceptual Processes), 86 463 (Theories and Principles of Learning), 86 464 (History of Psychology), 86 476 (Psychological Systems), 86 480 (Advanced Experimental Psychology), 86 483 (Physiological Psychology), 86 484 (Laboratory Experimentation in Physiological Psychology).

Group III—Electives (Humanistic and Applied areas): No minimum of maximum credits from: 86 291 (Genetic Psychology), 86 304 (The Psychology of Religious Experience), 86 331 (Personal and Social Adjustment), 86 363 (Industrial Psychology), 86 403 (Psychology of Abnormal Behavior), 86 421 (Psychology of Exceptional Children), 86 451 (Seminar in Applied Psychology), 86 452 (The Psychology of Intelligence), 86 461 (Differential Psychology), 86 465 (Psychology of Personality), 86 467, 468, 469, (Special Problems), 86 471, 472 (Psychology of Music), 86 743 (Advanced Psychology of Personality), 86 481 (Introduction to Counseling), 86 482 (Individual Inventory in Guidance), 86 485 (Counseling Parents of Exceptional Children), 86 498, 499 (Honors Seminar in Psychology).

Note: Secondary education students with a major in psychology require a minimum of 34 credits for certification. Secondary education students planning to be certified to teach Psychology should elect 86 31, 86 403, 86 463, and 86 464.

MINOR: 21 credits including 86 201, 86 203, 86 331. 12 additional credits, with six from upper level courses.

86 201 IS PREREQUISITE FOR ALL COURSES IN PSYCHOLOGY.

20
86 201 (86 301) General Psychology (3 + 0) 3 cr.

A beginning course in psychology designed to provide an understanding of the modern approach to human behavior and to lay the foundation for additional work in psychology.

210
86 203 (86 303) Elementary Psychological Statistics (3 + 0) 3 cr.

Descriptive statistical methods including measures of central tendency, variability and relationship. Introduction to inferential statistical methods. (82 203 and 92 281 may not both be counted for credits needed for graduation.) Statistics courses offered in other areas do not in all cases substitute for this course and may result in loss of credit. Prerequisites: 67 103, 67 108, or equivalent. (Usually offered second semester only.)

530
86 205 (86 305) Social Psychology (3 + 0) 3 cr.

Principles of human interaction as a function of the social setting. Topics include measurements of attitudes, propaganda, group behavior, and leadership. (86 205 and (Sociology) 92 321 may not both be counted for credit toward the 128 credits needed for graduation.)

SOCIOLOGY AND ANTHROPOLOGY

MAJOR: Sociology. 36 credits to include 92 101, 92 281, 92 201, 92 301, and 92 381, plus two additional courses from 92 315, 92 321, 92 361 and 92 365. A maximum of 6 credits may be included from 92 333, 92 367, 92 373 and

92 377, and a maximum of 6 credits may be included from 92 232, 92 376, 92 450 and 92 492. Additional courses to complete the 36 credits to be selected from 92 151, 92 311, 92 313, 92 315, 92 319, 92 321, 92 325, 92 331, 92 337, 92 339, 92 351, 92 353, 92 359, 92 361, 92 365, 92 481, 92 491, 92 493.

MINOR: Sociology. A total of 24 credits to include 92 101, 92 281 and 92 301; and 15 additional elective credits from Sociology courses offered by the department.

MAJOR: Anthropology. A total of 34 credits to include 92 102, 92 122 or 92 232, 92 202, 92 272 and 92 350; maximum of 9 credits from 92 101, 92 281, 92 301, 92 359 and 92 381.

MINOR: Anthropology. A total of 24 credits to include 92 102, 92 202, 92 232, 92 354; and 12 additional elective credits from the Anthropology courses offered by the department.

MAJOR: Social Welfare. A total of 54 credits to include 92 101, 92 151, 92 281, 92 381, 92 367, 92 333, 92 369, 92 377, plus 12 elective credits from Department (maximum of 6 credits from Anthropology), plus 18 Social Science credits outside the department as follows (maximum of 6 credits from any one department):

Geography—Cultural Geography, Economic Geography, Urban Geography.

Philosophy—Ethics, Introduction to Philosophy, Social Philosophy.

History—2 U.S. History courses, 1 additional with advisor's consent.

Psychology—Introduction to Psychology, Genetic Psychology, Personal and Social Adjustment, Abnormal Psychology.

Economics—Principles of Economics, Underdeveloped Areas, Urban Economics.

Political Science—Introduction to Government, State and Local Government, Introduction to Public Administration.

Religion—Religion and Ethics, Religion and Society, Religion and Law.

Other relevant social science courses may be substituted with advisor's consent.

MINOR: Social Welfare. None offered.

Courses in Sociology

101
92 101 (92 201) Principles of Sociology (3 + 0) 3 cr.
A basic study of society and culture. Topics covered include social interaction, group behavior, social processes, culture change, social influences affecting personality, population growth and characteristics, and social institutions.

130
92 151 (92 252) Modern Social Problems (3 + 0) 3 cr.
A study of some of the major problems now confronting our society, such as personal and social disorganization, crime, juvenile delinquency, race and minority group relations, divorce and family problems. Prerequisite: 92 101. (Usually offered second semester only.)

Courses in Anthropology

100
92 102 (92 101) General Anthropology (3 + 0) 3 cr.
A course designed to acquaint the student with the discipline of Anthropology. The origin of man, prehistory, and the nature and content of culture are examined. (Usually offered first semester only.)

200
92 232 (92 331) Cultural Anthropology (3 + 0) 3 cr.
Focusing on the concept of "culture," the course discusses the aims, methods, and achievements of anthropological research and presents a general model for comprehending man in society. No prerequisite. (Usually offered second semester only.)

SPEECH

MAJOR: (General Speech Emphasis) 35 credits, to include: 96 111, 96 237, 96 265, 96 275, 96 317/517, 96 354/554, 96 367, and a minimum of 2 credits from Debate Participation, Radio Workshop, and Theatre Participation activities courses and at least twelve additional speech credits with a minimum of 6 credits in upper division courses.

MAJOR: (Radio-TV-Film Emphasis) 36 credits, to include: 96 111, 96 237, 96 231, 96 234, 96 238, 96 304, a minimum of two credits in Radio Workshop to include 96 430, or 96 432, and at least 16 additional credits in Speech, including one 3 credit course in each of two areas (6 credits total) in Speech other than Radio-TV-Film. Students should see their faculty advisor or the department chairman for a list of courses that will fulfil this latter requirement.

MAJOR: (Rhetoric and Public Address Emphasis) 35 credits, to include: 96 111, 96 113, 96 125, 96 217, 96 275, 96 317/517, 96 319, one History of Public Address course (3 credits), one Rhetorical Theory course (3 credits), and a minimum of 2 credits in Debate Participation and at least 7 additional speech credits including one 3 credit course in each of two areas (6 credits total) in Speech other than Rhetoric and Public Address. Students should see their faculty advisor or the department chairman for a list of courses that will fulfill this latter requirement.

MAJOR: (Speech Education Emphasis) 35 credits, to include: 96 111, 96 215, 96 265, 96 275, 96 317/517, 96 367, 96 369, 96 441, 96 444, and 96 422/622 or 96 423/623 or 96 471/671 or 96 472/672, and a minimum of two credits from Debate and Theatre Participation activities courses, and at least seven additional speech credits.

MAJOR: (Speech and Hearing Science Emphasis-Audiology) 46-48 credits to include: 96 111 (to be counted under general requirements), 96 255, 96 321, 96 354/554, 96 356/556, 96 359, 96 381/581, 96 383/583, 96 385, 96 387, 96 489, 96 454, (Psychology) 86 203, a minimum of 4 credits and a maximum of 6 credits to be selected from 96 251, 96 252, 96 351, 96 352, 96 457, 96 458, and one additional 3 credit speech course in an area other than Communications Research and Speech and Hearing Science. Students should see their faculty advisor or the department chairman for a list of courses that will fulfill this latter requirement.

MAJOR: (Speech and Hearing Science Emphasis-Speech Pathology) 46-48 credits to include: 96 111 (to be counted under general requirements), 96 255, 96 321, 96 354, 96 356/556, 96 359, 96 381/581, 96 383/583, 96 451/651, 96 450, 96 454, 96 470, (Psychology) 86 203, a minimum of 4 credits and a maximum of credits from 96 251, 96 252, 96 351, 96 352, 96 457, and one additional 3 credit speech course in an area other than Communications Research and Speech and Hearing Science. Students should see their faculty advisor or the department chairman for a list of courses that will fulfill this latter requirement.

MAJOR: COMMUNICATIVE DISORDERS (Education) 45-47 credits to include: Speech 96 111 (credits counted toward General Education requirements), 96 255, 96 354/554, 96 356/556, 96 359, 96 383/583, 96 385, 96 451/651, 96 450, 96 470, and a minimum of 4 credits and a maximum of 6 credits in Practicum 96 251, 96 252, 96 351, 96 352, 96 457, 96 458. (Special Education) 16 552, (Psychology) 86 331, 86 403. (Educational Psychology) (Counselor Education) 39 382, (Education) 13 521, Student Teaching and Problems in Student Teaching for Communicative Disorders Therapy taken as Education (14 400, 14 401, and 11 405.)

Students graduating after July 1, 1975, will be required to have a Master's degree for certification as a speech and hearing clinician in Wisconsin.

MAJOR: (Theatre Arts Emphasis) 36 credits, to include: 96 111, 96 165, 96 315, 96 367, 96 369, 96 471/671, 96 472/672, nine credits from other theatre courses and one 3 credit course in each of two areas (6 credits total) in Speech other than Theatre. In addition four semesters of supervised participation in the practical application of the theatre arts are required. Each student must participate in two of the three areas indicated in a given semester. Students should see their faculty advisor or the department chairman for a list of courses that will fulfill this latter requirement.

96 162 Theatre Practicum: Set Construction, Lights, Sound

96 261 Theatre Practicum: Acting, Make-up, Costumes

96 361 Theatre Practicum: Properties, Publicity, Business Management

96 461 Theatre Practicum: Student Election

MINOR: 21 or 22 credits

- a. Theatre emphasis: 96 111, 96 265, 96 317/517, 96 367, 96 369, 96 471/671 or 96 472/672, and at least four credits in selected electives.
- b. Public speaking emphasis: 96 111, 96 215, 96 265, 96 311/511, 96 317/517, 96 422/622 or 96 423/623, and at least four credits in selected electives.
- c. Elementary Education: 96 111, 96 255, 96 265, 96 317/517, 96 422/622 or 96 423/623, 96 471/671 or 96 472/672, and at least four credits in selected electives.
- d. Speech and Hearing Therapy emphasis: 96 111, 96 255, 96 354/554, 96 356/556, 96 359/559, and at least six credits in selected electives. Electives to be taken from 96 383/583, 96 385, 96 451/651, 96 450, 96 470.

e. Radio-Television emphasis: 96 111, 96 237, 96 231, 96 234, 96 238 and at least seven credits in selected electives.

Candidates for degrees should not accumulate more than eight of the 128 credits required for graduation in "activities" courses in Health Education, Music, Physical Education and Speech.

101
96 111 (96 111) **Fundamentals of Speech** (3 + 0) 3 cr.
Directed study and practice to develop skills in the organization, composition and delivery of extempore speeches. Exercises for the development of critical listening abilities.

96 115 (96 115) **Debate Participation** (0 + 3) 1 cr.
Opportunity for active participation in debate sponsored by the department. Permission of instructor required. (Usually offered first semester only.)

96 116 (96 116) **Debate Participation** (0 + 3) 1 cr.
Opportunity for active participation in debate sponsored by the department. Permission of instructor required. (Usually offered second semester only.)

160
96 118 (96 118) **Speech in Contemporary Society** (3 + 0) 3 cr.
An exposition and analysis of recent public address and criteria for evaluation. Selected topics: speech and the law, speech and ethics, speech and campus controversy, speech and propaganda, speech and political campaigns, speech and religion. May be taken to fulfill the University General Education requirement.

130
96 161 (96 161) **Appreciation of the Drama** (2 + 0) 2 cr.
A general survey of the drama as an integral element in human society in its cultural aspects. A course intended to stimulate and develop an appreciation for drama as literature and theatre. May be taken to satisfy the 2 credit Fine Arts requirement for the General Education curriculum.

100
96 167 (96 167) **Theatre Participation** (0 + 3) 1 cr.
Opportunity for participation in plays sponsored by the department. Permission of instructor required. (Usually offered first semester only.)

100
96 168 (96 168) **Theatre Participation** (0 + 3) 1 cr.
Opportunity for participation in plays sponsored by the department. Permission of instructor required. (Usually offered second semester only.)

230
96 265 (96 365) **Oral Interpretation** (3 + 0) 3 cr.
A study of the principles and vocal techniques of oral interpretation, and their application to the various forms of literature. Prerequisite: 96 111. (Usually offered second semester only.)

THE FACULTY

(As of April 1, 1972)

- ARMSTRONG, GEORGE M.** Associate Professor of Biology
B.S., University of Wisconsin-Madison; M.N.S., University of Oklahoma; Ph.D.,
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- BALTHAZOR, ELLEN M.** Instructor of English
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- BARRETT, RONALD W.** Assistant Professor of Biology
B.A., Gustavus Adolphus College; M.S., University of Minnesota; Ph.D., University
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Registrar; Director, Educational Services
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Director, Admissions; Director, Financial Aids
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- HAMMOCK, NANCY K.** Instructor of Physical Education
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- HAYDOCK, LINDA E.** Instructor of Philosophy
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B.A., University of Colorado; M.S., Colorado State University.

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- KOCH, PAUL G.** **Librarian**
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B.A., Notre Dame University; M.Ed., Notre Dame University.
- LAMONT, LAWRENCE A.** **Instructor of Engineering Graphics**
B.S., Stout State University; M.S., Stout State University.
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B.S., University of Wisconsin-Milwaukee; M.S., University of Wisconsin-Milwaukee;
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B.S., Wisconsin State University-Oshkosh; M.S., University of Kansas.
- MATHOS, HARRY G.** **Instructor of Political Science**
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- MCGREW, AYERS** **Assistant Professor of Speech**
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- NESS, HARALD M.** **Instructor of Mathematics**
B.S., Wisconsin State University-Superior; M.A., Central Michigan University.
- OLIVER, JAMES A.** **Instructor of Geography**
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B.A., Mundelein College; M.A., University of Wyoming.
- SANFORD, JOHN I.** **Lecturer-French**
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- TINKER, JOHN R.** **Assistant Professor of Geology**
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- YOUNG, ROBERT H.** **Lecturer-Psychology**
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Financial Aids	Richard G. Greisch Director, Admissions
Health Services	Allan H. Loehndorf Director, Student Services
Housing	Allan H. Loehndorf Director, Student Services
Librarian	Paul G. Koch Librarian
Personnel Manager	Melvin L. Feathers Business Manager
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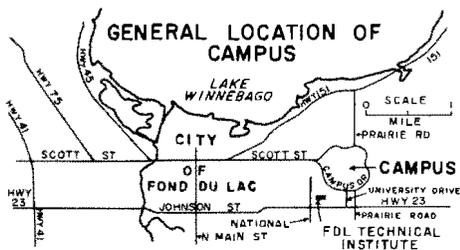
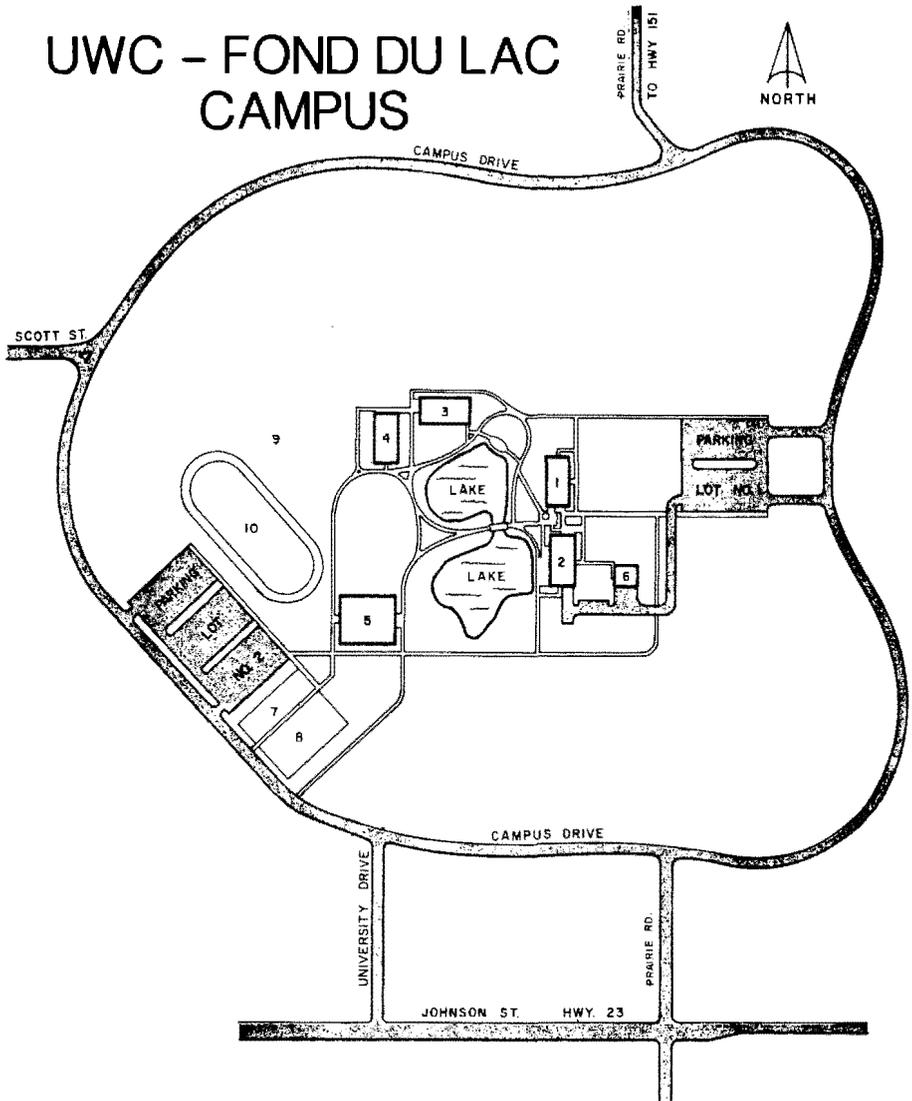
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UWC - FOND DU LAC CAMPUS



CAMPUS DIRECTORY

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