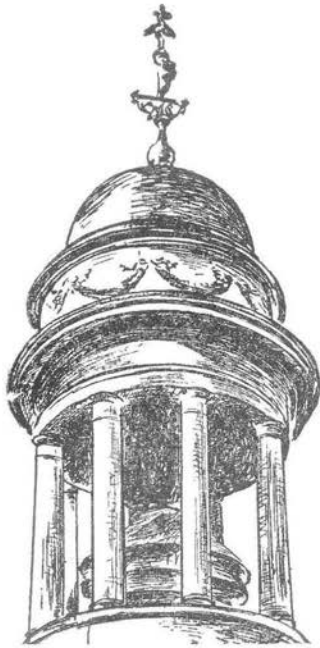


STEVENS POINT

WISCONSIN  
STATE  
COLLEGE



1954 - 1955

60th  
ANNIVERSARY  
CATALOG

# WISCONSIN STATE COLLEGE

Stevens Point, Wisconsin

"Central State"  
BULLETIN

## THE STUDENT'S RESPONSIBILITY

All colleges establish certain requirements which must be met before a degree is granted. These requirements concern such things as courses, majors and minors, and residence. Established rules and regulations must be followed by the student while he is in college. Advisers, directors, and deans will always help a student observe these regulations, but the student himself is responsible for fulfilling them. At the end of his course the faculty decides whether or not the student will receive a degree. If requirements have not been met, the degree will be refused until such time as they have been met. For this reason it is necessary for each student to acquaint himself with the regulations and requirements. He should continue to keep himself informed about these matters during all his college career.

It is recommended that each student make a careful study of all sections of the catalog immediately. Failure to know and follow requirements may cause inconvenience and delay at a later time.

Announcements for 1954-55

Established in 1894

Member of

The American Association of Colleges for Teacher Education

Member of

The North Central Association of Colleges and Secondary Schools

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*The cover was designed by Henry M. Runke.*

## COLLEGE CALENDAR

	1954-55	1955-56
Registration.....	Sept. 13-14-15	Sept. 12-13-14
Classes begin.....	Sept. 16	Sept. 15
WEA Convention (dates tentative).....	Nov. 4-5	Nov. 3-4
Thanksgiving Recess.....	Nov. 25-26	Nov. 24-25
Christmas Recess begins 5:00 P.M.....	Dec. 17	Dec. 21
Classes resume 8:00 A.M.....	Jan. 3	Jan. 4
First semester ends.....	Feb. 4	Feb. 3
Second semester begins.....	Feb. 7	Feb. 6
Easter Recess.....	April 7-12, inc.	March 29- April 4, inc.
Memorial Day Holiday.....	May 30	May 30
Commencement.....	June 5	June 3
Second semester ends.....	June 9	June 7
Summer Session begins.....	June 13	June 11
Summer Session ends.....	July 22	July 20

## GENERAL INFORMATION

Wisconsin State College at Stevens Point is one of the nine State Colleges in Wisconsin. Its primary purpose is the training of teachers, but it also offers Bachelor of Science and Bachelor of Arts degrees in liberal arts. It provides the broad cultural background which all college-trained persons should have. In its education divisions it offers professional training for teachers; in the College of Letters and Science it offers a general course, and can provide several years of pre-professional study in a number of fields. In addition to the usual academic majors, it offers majors in Conservation and Home Economics.

Through its student organizations the college provides excellent opportunities for social development. Its extra-curricular activities offer experience in a number of fields in which students may later work or teach.

The college is popularly known as "Central State" because of its location near the geographic center of Wisconsin. The campus is located about a mile east of the business district of Stevens Point.

The main building includes most of the general classroom and laboratory space of the college, and also houses the auditorium and the administrative offices.

The new \$750,000 library, to be ready for the 1954 fall session, is located just north of the main building, connected to the east wing by a tunnel. It is planned for ultimate expansion of the present 52,000 volume collection to one of 225,000. Assigned reading is to be accommodated in a convenient reserve reading room. The main reading room gives access to the open stacks; a variety of provisions for individual and group study have also been made. In addition to its regular services, the library is also an official depository for federal documents and for state regional and county records.

The Training School is located just north of the main building on the west side of the campus. It provides the facilities for practice teaching in kindergarten and eight grades. A children's library of over 6,000 volumes is located in the Training School. Student-teaching experience in a one-room school is provided in

the Orthman Demonstration School. The Home Economics home management house gives the majors in home economics an opportunity to live in a family unit. Several young women live there each semester with the chairman of the department and manage the house as a family group would.

Rooms are provided in two dormitories, Nelson Hall for the women, and Delzell Hall for the men. Meal service for both men and women is provided in Nelson Hall.

## STUDENT LIFE AND ACTIVITIES

### STUDENT HEALTH SERVICE

Central State College provides a Health Service for students which includes a full-time nurse and a part-time physician. The aim of the Health Service is to prevent serious illness by detecting early symptoms and prescribing treatment. A well equipped dispensary is located in the main building.

From the Doctor, the student is entitled to:

1. A complete physical examination. (The rules of the college require that at least one physical examination is necessary to complete registration.)
2. Medical attention as needed, in the dispensary.

From the Nurse, the student is entitled to:

1. All dispensary care as needed.
2. Calls at rooms in city residence or in the dormitories.

Free hospitalization is provided for any student upon the recommendation of the college physician. Maximum benefits of \$40.00 per year for freshmen and sophomores and \$60.00 per year for juniors and seniors will be paid.

### ROOM AND BOARD

The Dean of Men and the Dean of Women have lists of reasonably priced rooming places which are available at the beginning of each semester and summer session. Students must live in approved houses; they may not change their rooming houses during a semester without the consent of the Dean. Meals are available at Nelson Hall for all students at attractive individual and weekly rates.

Nelson Hall, the residence hall for women, will accommodate about 117 women for room and board. The current rate is \$220 for room and board (subject to change) for the semester. A few single rooms are available for slightly more. A deposit of \$10.00 for reservation is required of each resident. This deposit is ap-

plied on the student's account for the last semester in which she is a resident in the Hall, or is refunded upon request. Residents must bring their own pillow cases, sheets, blankets, spreads, scatter rugs, and draperies. The beds are equipped with mattresses, mattress covers, and pillows. Each room has desks, chairs, chests of drawers, lamps, and large clothes closets. Most rooms are equipped with hot and cold water; there are two large bath rooms on each floor. Ironing facilities are provided without extra cost, and a coin-operated automatic washer and dryer has been installed for those who wish to do their personal laundry. Several of the residents work as receptionists, cafeteria workers, dish washers, etc., to help defray expenses.

**Delzell Hall**, a residence hall for 82 men is new—completed in 1952. It is beautifully furnished and comfortable. Rooms are available at \$5.00 per week per student, or room and board are available at the same rate as for Nelson Hall, where meals are served. One blanket is furnished, but residents provide their own sheets and pillow cases. The \$10.00 reservation deposit is required on the same basis as for Nelson Hall.

To reserve a room in either of the halls, write to the Director of Residence Halls.

### THE DEANS

The Dean of Men and the Dean of Women supervise matters which pertain to student life. Every effort is made to maintain high social standards for those who attend this college.

Parents, as well as students, are urged to communicate with the Deans in regard to questions concerning school life.

### SOCIAL LIFE

In recognition of the importance of wholesome recreation in the work of the college, provisions are made for social activities for students on the campus.

Proper student activities are essential to a successful school life. For this reason the many organizations here are given encouragement and support by the faculty.

The details of the social program of the college are under the management and direction of the Social Committee of the Faculty and the Deans.

### STUDENT COUNCIL

The **Student Council** is composed of nine representatives from the student body, the vice-president and an elected representative from each class and one representative-at-large, who is the president of the council. Its purpose is to provide a connecting and strengthening link between the students and the faculty, to provide a medium through which student opinion may be expressed, and, in general, to deal with student problems.

### STUDENT UNION

Through his activity fee, every student is eligible to participate in the activities of the **Student Union**. The Union is located in the basement of Delzell Hall and is operated by a student manager who is responsible to a student-faculty Union Board. It provides opportunities for snacks, dancing, games, conversation, and televising. It is the center of student social life on the campus.

### PROFESSIONAL ORGANIZATIONS

There are six professional clubs in the college. Membership in each consists of the students who are enrolled in the same divisions or who are majoring in the same special field. The aims of these clubs are in part social, as their activities would indicate, but they also strive to develop in their members a sincere professional interest in the fields they represent.

**Alpha Kappa Lambda** is composed of students majoring in Conservation Education. Organized to promote a better understanding of natural resources and their intelligent use, it serves the college Conservation Department through research, public relations, and committee services. Its social program features an annual venison steak dinner and a smelt fry.

The **Forum** is composed of juniors and seniors preparing to teach in high schools.

The **Home Economics Club** includes those majoring and minoring in home economics. In addition to its professional and social activities, it aims to be of service to the college and the community.

The **Primary Council** includes the students who are preparing to teach in primary grades.

The **Round Table** is an organization of the students who are preparing for intermediate and upper elementary grade teaching.

The **Rural Life Club** consists of those who are preparing for rural school teaching.

### RELIGIOUS ORGANIZATIONS

**Gamma Delta**, a chapter of the National College Fraternity of the Synodical Lutheran Church, was organized to provide a religious education and fellowship for the Synodical Lutherans of the college. It is affiliated with the local St. Paul's Lutheran Church.

The **Lutheran Student Association** is an organization for all Lutheran students sponsored by the Lutheran Student Association of America.

The **Newman Club** is an organization of Catholic students to promote their social and moral welfare.

**Sigma Theta Epsilon** is a national religious fraternity for all men of Methodist preference.

The **Wayland Club** is an organization of Baptist students to provide friendship and fellowship through religion.

The **Wesley Foundation** is an organization composed of Methodist students. Its purpose is to promote their friendship and fellowship.

**Y. W. C. A.** is a branch organization of the Young Women's Christian Association.

### MUSICAL ORGANIZATIONS

There is a constant demand for teachers who can lead some form of musical organization. To meet this demand the college offers an opportunity to develop leadership in choruses, glee clubs, orchestra, and band.

### ATHLETICS

**Men's Athletics**—Football, basketball, track, wrestling, tennis, and golf are the sports in which the college participates as a member of the Wisconsin State College Conference. Besides, we compete against most of the other colleges within the state. All men

students physically fit are urged to take part in one or more of these activities. The official "S" sweater is awarded to those who fulfill the requirements established by the Athletic Committee.

**Intramural Athletics**—A broad program of intramural activities of a recreative nature is provided for those who do not qualify for the varsity squads. It includes touch football, tennis, basketball, table tennis, volleyball, badminton, bowling, softball, and horseshoes.

The **Women's Recreation Association** is an organization for which all college women are eligible. It supervises and sponsors a variety of recreational activities including basketball, softball, volleyball, badminton, tennis, golf, skiing, and many events which both men and women enjoy together such as social and folk-dancing, mixed doubles tennis and ping-pong tournaments, bowling, and archery.

An extensive point system allows an equitable distribution of awards given for participation in a variety of recreational sports and club activities.

In the fall a get-acquainted event is held so that the new members become better acquainted with the organization and its objectives.

"Christmas Cheer" has become traditional and is one of the most pleasant functions sponsored by WRA. The entire student body and faculty are invited for spiced cider and festive cake and cookies. A program is presented throughout the afternoon.

Each spring WRA sponsors "Play Day" for the neighboring high schools. Members of the club act as hostesses, referees, guides, and advisers for visiting groups. Participation for a well rounded personality is the guiding spirit behind the organization.

### DRAMATICS

The **College Theater**, organized for theatrical production, offers to students practical experience in all production fields. College Theater plays give an opportunity for practice in direction, acting, scenic and technical problems, business and publicity.

Each semester an evening program is presented to the general public, and a number of "workshop plays" are given in assemblies or before the members of College Theater. Participation in College Theater productions is open to any student passing preliminary try-outs. A Shakespearean play is presented during the second semester.

## PUBLICATIONS

The *Iris* is the college annual published by the *Iris* Staff.

The *Pointer*, the college newspaper, is issued weekly by the *Pointer* Staff.

## RADIO WORKSHOP

In keeping with the rapid development of radio in education, the *Radio Workshop* of Central State College offers modern studios and improved mechanical equipment with which to study present-day radio production methods. A tape recording service is available in conjunction with the workshop activities.

Faculty and students work together in preparing programs for broadcast. Students are offered the opportunity, under supervision, to write and adapt scripts, to participate in radio dramatics, and to gain experience in control operation. Besides continuing the better type musical programs, one of the objectives of the workshop is a definite educational broadcast service. Programs are tape-recorded and are broadcast over the State Network and over local commercial stations.

## WOMEN'S SELF GOVERNING ASSOCIATION

Every college woman is automatically a member of WSGA (Women's Self Governing Association). The purpose of the organization is to promote a program of activities of special interest to all college women, to provide opportunities for leadership, and to encourage high standards of social conduct.

It is governed by an Executive Board which is elected at the beginning of the second semester of each school year. Membership dues are fifty cents a semester.

## EXTRA-CURRICULAR ACTIVITIES

Central State provides for participation in all the customary college activities. In some instances the student may register for credit in these activities. In such cases the activity, being curricular rather than extra-curricular, is counted as a part of the regular study and class program, and may not be added if the number of credits will be in excess of the number permitted by the curriculum. When a student is registered for such credit his obligations in the activity are the same as in any other course, and at the end of the semester the instructor will give a grade determined by the

quality of the student's participation. If the student participates without credit, the activity is extra-curricular.

Such activities are important features of college education and students are urged to add to their personal, social and professional experience and enjoyment by participating in these activities. However, experience has shown that many students new to college life do not regulate their study and activities wisely, with the result that they fail to maintain the required academic standing. For this reason the following regulations have been established governing participation in extra-curricular activities.

These regulations are mandatory for all freshman students and advisory for all others.

1. During his first semester in college, a student will be permitted participation in **one** major and **one** minor extra-curricular activity.
2. Any student who has been in school for one whole semester and who maintains an average of at least 1.00 grade point per credit will be permitted unrestricted participation in major extra-curricular activities and in **one** minor extra-curricular activity.
3. Any student whose grade point average falls below 1.00 will be permitted participation in **only one** major extra-curricular activity or **one** minor extra-curricular activity.
4. Any student on probation will be denied all participation in extra-curricular activities.
5. Extra-curricular activities are hereby defined:
  - a. Major activities include participation in musical, dramatic, intercollegiate athletics, forensic, broadcasting, or publishing activities unless such are taken for credit as a part of the student's course of study.
  - b. Minor activities include holding office in any religious, social, professional, or honorary organization or class; membership in the Student Council or the Pan-Hellenic Council.
  - c. Holding office in one major activity shall not be construed as a minor activity.
6. Eligibility will be established at the beginning of each semester on the basis of the student's previous record. The

faculty member in charge of an extra-curricular activity shall be responsible for ascertaining the eligibility of each participant at the beginning of the semester.

7. The Dean of Men and Dean of Women will constitute the appeals committee to grant exceptions.

## STUDENT EXPENSES

### Tuition

Residents of Wisconsin.....	No charge
Non-resident students:	
Regular session, per semester.....	\$25.00
Summer session .....	No charge

### Incidental Fees (including text-book rental and health service)

#### Regular session:

Full-time students (nine credits or more).....	\$45.00
Part-time resident students.....	25.00*
Part-time non-resident students .....	37.50*
Summer session (six weeks).....	30.00

### Extension Course Fees

Per semester hour credit .....	9.00
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### Student Activity Fees (for all students)

Regular session, per semester, including tax.....	12.50
Summer session .....	4.00

Payment of the activity fee entitles the student to admission to all athletic, forensic, and student entertainment events; to a subscription to the Pointer, the college newspaper; to a copy of the Iris, the college annual; to health service; and it pays class and division dues, and Student Union fees.

A towel fee of \$2.00 for the first semester and 75¢ per semester thereafter is charged for all students enrolled in the required physical education courses. This fee is collected at the time of registration.

WSGA dues of 50¢ per semester are collected from all women students during the registration period.

A Graduation Fee of \$4.00 is payable the semester the student graduates.

A penalty fee of \$1.00 in addition to all other fees is charged for late registration.

Fees are subject to change without notice.

\* All resident students taking courses aggregating eight or less semester hours of credit shall be counted as part-time students. Those students taking courses aggregating less than eight hours of credit shall pay an incidental fee of \$4.50 per credit (resident student) or \$6.00 per credit (non-resident student) except that the total charge shall not exceed \$25.00 for resident students or \$37.50 for non-resident students.



**Refunds**

The following schedule on refunds applies for both tuition and incidental fees:

**Regular session:**

Withdrawal during first and second weeks.....	80%
Withdrawal during third week.....	60%
Withdrawal during fourth week.....	40%
Withdrawal during fifth week.....	20%
Withdrawal after fifth week .....	No refund

**Summer session:**

No refund is granted for withdrawal from the summer session except for withdrawal during the first week due to elimination of classes for which the student registered.

The same schedule of refunds applies to extension course fees as to regular session fees.

**HONORS, SCHOLARSHIPS, AWARDS,  
AND LOAN FUNDS**

**HONOR SOCIETIES**

**Alpha Kappa Rho**, Honorary Music Fraternity for students showing exceptional musical ability, was established in 1937 at this institution. Its purpose is to recognize musical ability, to stimulate an interest in music, and to develop personality and leadership among music students.

**Alpha Psi Omega** is a National Honorary Dramatic Fraternity for those showing **exceptional ability in dramatics**.

**Sigma Tau Delta**, the National Honorary Fraternity for those showing exceptional capacity in the field of English, has a chapter, Psi Beta, which was established at Central State in the spring of 1930.

**Sigma Zeta**, National Honorary Science Society established a chapter (Zeta) at Central State in 1929. Its purpose is both to reward those who have demonstrated ability in the field of science and to encourage work in science.

**SCHOLARSHIPS**

The Legislature has given the Board of Regents of State Colleges the authority to grant scholarships, equivalent in value to the payment of all incidental fees, to freshmen who ranked high in scholarship during their high school course. The award is made to the highest ranking graduate in schools enrolling less than two hundred fifty students; to those ranking first and second in schools enrolling two hundred fifty to seven hundred fifty students; and to those ranking first, second, and third in schools enrolling seven hundred fifty or more students. In case the person or persons eligible for scholarships under these provisions do not elect to enroll at a state college, then the regents shall have the authority to grant the scholarships to the freshmen who were next highest in scholastic rank. These provisions apply to both Wisconsin public high schools and to Wisconsin private secondary schools.

The Board of Regents also has authority to grant scholarships, equivalent in value to the payment of all incidental fees, to freshmen who were good students during their high school course, who are in financial need, who possess qualifications of leadership, and who are bona fide residents of the state.

Students interested in applying for these scholarships should write to the Dean of Administration of the college for the proper application blanks.

## AWARDS

### The Alpha Kappa Rho Honor Award

The Alpha Kappa Rho Honorary Music Fraternity makes an annual award to a senior woman based on qualities of leadership, scholarship, popularity and good sportsmanship. The winner must have completed four years of work in this college; she has her name engraved on a large trophy which remains in the college, and is personally presented with a smaller one on Awards Day. A faculty committee designated by the fraternity selects the winner.

### The Sigma Phi Epsilon Student Honor Cup

Each year the Sigma Phi Epsilon Fraternity presents its award to the graduating senior having the highest scholastic average, provided he has earned at least three-fourths of his credits at this college. The award is announced on Awards Day, and the trophy is kept in the trophy case.

### J. V. Collins Award

This is a cash award amounting to \$25, which is made annually to an outstanding student in mathematics who is selected by the Mathematics Department. The award is made in memory of Dr. J. V. Collins, first mathematics instructor in this college, who served in that position for 43 years.

### Conservation Awards

The Fox River Valley district of the Wisconsin Federation of Garden Clubs recognizes the importance of Conservation Education and is offering annually two \$50 scholarships to students majoring in this field. A faculty committee selects these students on the basis of scholarship, leadership, progressive interest and a keen desire to do constructive work in the field of Conservation

after graduation. Selections are made from students completing the junior year who must enroll as seniors to become eligible for the award.

### Culver-Rogers Award

As a memorial to G. E. Culver and T. A. Rogers, both of whom taught for many years in the Science Department, a cash award is presented annually to an outstanding chemistry, biology, or general science major. The award is presented at the end of the junior year and is made available when the student enrolls as a senior.

### Home Economics Award

This is a cash award of \$100, which is given annually to an outstanding senior in the Home Economics course when she enrolls for her fourth year of work. The student is selected by a faculty committee. The award is from an anonymous source.

### Deans' Recognition Roll

Each year the Dean of Women and the Dean of Men announce a Senior Recognition Roll. To attain this honor the following qualifications must be met:

Each Honor Student must have completed at least two years of work at Central State.

Each Honor Student must have a relatively high academic average.

Each Honor Student must have two years of active participation in student activities. The activities which are considered are athletics, community service, dramatics, forensics, publications, music, radio, student government, office in a religious organization.

Each Honor Student should exemplify the following character traits: Leadership, cooperativeness, reliability, and considerateness.

This recognition is not given until the completion of the junior year.

### Phi Sigma Epsilon Leadership Award

Phi Sigma Epsilon Fraternity makes an annual award to a senior man who has demonstrated leadership qualities in scholarship and in at least two of the following extra-curricular activities during his college career: Music, forensics, athletics, social and

professional activities, or student publications. The winner is selected by a faculty committee chosen by the fraternity. The winner has his name engraved on a large plaque on display in the college and is personally presented with a smaller trophy on Awards Day.

#### Sigma Zeta Student Trophy

The Sigma Zeta Student Trophy is awarded to the most outstanding member of Zeta chapter on the basis of scholarship and service to the school and to the society. The winner's name is engraved on a silver plaque.

#### LOAN FUNDS

The college has funds available for student loans. Students who find they need financial help to finance their education can borrow money from these funds on notes which become due after the student has graduated and is earning.

## ADMISSION

New students must receive a "Permit to Enroll" before they can register at Central State. Before such a permit can be granted, the prospective student must submit to the college Record Office an "Application for Admission" and a transcript of his high school record. Blanks for these purposes can be obtained from the Record Office. He must also submit transcripts of his record in any schools he has attended since high school graduation. Such transcripts should be requested by the student directly from the school he attended.

A former student who returns to this college after having attended another college should have on file in the college Record Office a transcript of his record from each other school attended. The student should request such transcripts from the schools concerned.

#### ENTRANCE REQUIREMENTS FOR FRESHMEN

To qualify for admission to Wisconsin State College, Stevens Point, a person who has graduated from high school must meet the following requirements which have been prescribed by the Board of Regents:

1. He must have graduated 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. He must be recommended by the principal of the high school for admission to the college.
3. He must rank in the upper three-fourths of his graduating class.
4. He must present a minimum of nine units from the following fields: English and Speech; Foreign Language; Natural Science; History and Social Science; Mathematics.
5. Students who do not meet the requirements outlined in items 3 and 4 above may be admitted on probation pro-

vided there is evidence of their ability to do satisfactory college work.

A high school graduate who wants to enroll in the college should write to the registrar for an application blank, which should be returned when properly filled out. The applicant should also request his high school principal to send a transcript of his credits to the registrar. Blanks for this purpose are available at the college. A student's eligibility to enroll will not be determined until **both** of these blanks are in the registrar's office. If the applicant is admitted to the college, a "Permit to Enroll" will be mailed to him.

#### ENTRANCE WITH ADVANCED STANDING

A student who has taken work at another college may enroll at Central State with advanced standing. Such a student should request from the registrar an application blank and return it when it is properly filled out. He should also request that a transcript of his credits be sent to the registrar from every college he has previously attended. Credits with a grade of C or better, earned at an accredited institution of college grade may be counted toward graduation here provided they fit the general pattern of the curriculum selected by the student.

Students intending to transfer to this college should consult the Dean of the College of Letters and Science or the director of the division in which they plan to enroll. The division director or dean will evaluate the credits offered, and will prepare a planning sheet which will outline the work necessary to qualify for graduation.

Students who have completed one year of work at a county normal school or in a Teacher Training Course in high school after graduation from high school, and who have had one year of successful teaching experience after this year of training, will be allowed one year of credit on any curriculum in elementary education. Under the same provisions those who have completed a regular two-year course in a county normal school as approved by the State Superintendent of Public Instruction will be allowed approximately two years' credit on any four-year elementary curriculum.

#### ENTRANCE AS AN ADULT SPECIAL STUDENT

Applicants who are not high school graduates shall be admitted as candidates for a diploma or a degree on their giving satisfactory evidence of their ability to do college work, if such applicants are twenty-one years of age or if they have had service in the armed forces of the United States giving them veterans' benefits under Public Laws 16, 346, 550, or 894.

Persons intending to enroll in this category should write to the registrar for an application blank, and return it to the college when it is properly filled out.

#### FRESHMAN ORIENTATION

During the regular registration period each fall, incoming freshmen are scheduled for a series of meetings designed to acquaint them with the organization and activities of the college, as well as to give them a good start on their academic careers. The schedule provides for conferences with the Dean of Men and the Dean of Women, with the student's adviser, and with the Health Service; for placement examinations in English and Chemistry; and for social events including an informal mixer and the annual faculty reception for students.

This program is extended through the year in a series of lectures and conferences which are announced from time to time. Attendance at these meetings is required of all freshmen in the college.

## ACADEMIC WORK

### STUDENT COUNSELING

Most students who enroll at Wisconsin State College, Stevens Point, as freshmen enter the College of Letters and Science. If they are interested in working toward a liberal arts degree, they may continue in L&S for four years. They may also take one or two years of work in the liberal arts college before entering one of the professional divisions of the college, or before transferring to some other professional school. A few students may enter some of the divisions as freshmen, provided they meet the requirements established by the directors of these divisions. Freshmen enrolling for the two-year course in rural education will enroll directly in the Rural Division.

On enrolling in the College of Letters and Science, a student is assigned to an adviser who will help him arrange his academic program along lines suggested by the student. Several times during the year the adviser holds conferences with the student on the progress of his academic work, his extra-curricular program, his work load outside of school, or on any other phase of the student's life at the college.

A student who wishes to complete his work in one of the professional divisions of the college must make application for admission to a division at least by the end of his sophomore year. If he qualifies, he is admitted to the division for the remainder of his college work, and the director of the division becomes his adviser.

### THE CREDIT; THE SEMESTER HOUR

The unit used in computing the student's study load is the **semester hour**, which represents one hour of class work, or its equivalent in other forms of instruction, per week for one semester. Two, or sometimes three, hours of laboratory work are usually considered the equivalent of one hour of class work.

A semester hour's work completed with a grade of D or better becomes a **credit**.

### STUDY LOAD

In order to be credited with residence in the college, a student must carry a minimum of twelve semester hours each semester, or four semester hours each summer session.

In order to graduate, a student must earn 120 to 128 credits, in addition to credits in required physical education.

A normal study load is 16 semester hours, plus one semester hour of physical education when required. The student's director or dean may permit up to 18 semester hours when it appears advisable. The Administration Committee considers appeals to take 19 semester hours, but permission to do so is granted only in unusual cases and only to students whose academic record warrants the exception.

Students registering more than one week late in any semester will find it difficult to carry the normal load for that semester, and may be required to take a reduced load.

### GRADING SYSTEM

Semester grades are recorded by letter only and each letter grade carries a specific number of points per semester hour. The scale of grades and points follows:

Grade	Points per Semester Hour
A (excellent) .....	3
B (good) .....	2
C (satisfactory) .....	1
D (poor) .....	0
F (failure) .....	-1

The **grade point average** is computed by dividing the number of points earned, with deductions for failures, by the number of semester hours elected. The maximum average is 3.00; the minimum is -1.00. The grade point average is used in determining eligibility for honors and for membership in a number of campus organizations, when scholastic achievement is one of the criteria. It represents the general quality of a student's work.

The **point-credit ratio** is based on the number of credits earned in courses passed, and on the number of points earned in these courses. The maximum ratio is 3.00; the minimum is 0.00. A student must have a point-credit ratio of 1.00 in order to be eligible for graduation.

**PROBATION; DISMISSAL**

A student who has a grade point average of less than 1.00, but at least .50, for any semester shall be placed on academic probation for the next semester. (Specific terms of the probation may be set by the student's dean or director.) If, in any subsequent semester, the student again has a grade point average of at least .50, but less than 1.00, he shall be placed on final probation for the following semester. Each succeeding semester, the student must make a grade point average of at least 1.00, or he will be dismissed from the college.

A student shall be dismissed from the college for low scholarship at the end of any semester if he has a grade point average of less than .50 for the semester, except that a freshman may not be dismissed until he has attended two semesters. A student who has been dismissed from this college may appeal to the Administration Committee for readmission. A student who has been dismissed from another college must apply to the Administration Committee for admission.

**INCOMPLETES**

A report of "Incomplete" indicates that the student was doing satisfactory work in the course and was unable to complete the work for some acceptable reason. The instructor will indicate on his class report what work must be completed in order to remove the incomplete and will also indicate the approximate grade the student should receive when the incomplete is removed.

An incomplete must be removed during the next semester in which the student is enrolled and in which the course is offered, or it automatically becomes a failure.

**CHANGES IN COURSES; WITHDRAWALS**

After a student has been officially registered, he may change his program, drop courses, or officially withdraw from school, provided he has permission from the head of the division in which he is enrolled. A student making such a change should follow the procedure established by the registrar's office.

If official procedure is not followed in changing a program, dropping courses, or withdrawing from school, the student will receive a grade of F in all courses discontinued.

**REPORTS**

At the end of each semester, a report of the student's grades is mailed to his parents, if he is a minor, or to himself.

At the end of the first nine weeks of each semester, faculty members report to the Dean of Administration any students whose work is low or failing at that time. Parents and students are then notified, except that parents of students who are not minors are usually not notified.

**TRANSCRIPTS**

Transcripts of a student's record may be obtained by addressing a request to the college Record Office. The first transcript is furnished without charge. Subsequent transcripts are furnished for \$1.00 each, except that when more than one is ordered at a time, the charge is \$1.00 for the first one and twenty-five cents for each additional copy. Requests should be made at least a full week ahead of the time the copy is wanted, since transcripts are processed only once a week.

**ABSENCE FROM CLASS**

Students may be excused for absences for personal illness, for serious illness or death in the immediate family, for trips arranged or sponsored by the college, or for personal reasons acceptable to the deans. The Dean of Men and the Dean of Women shall issue excuses for absences except in cases of personal illness, in which case the college nurse may issue the excuse.

In the case of excused absences the student has the opportunity to make up the work he missed, such as written work, tests, laboratory experiments, etc. In the case of unexcused absences, there is no opportunity to make up work missed.

Instructors are required to report all absences. It is the student's responsibility to secure an excuse from the proper authority and present it to his instructors.

Excessive absence shall be cause for a student's dismissal from college by his division director or dean, or by the Dean of Men or the Dean of Women.

**RESIDENCE REQUIREMENTS**

At least 23 of the last 32 credits earned toward a degree must be earned in residence at this college. Nine of the 32 credits

may be taken in other schools or by extension, but only upon prior approval of each course by the student's division director or dean.

To be eligible for a diploma or degree a student must have earned at least 30 of the total credits required for the diploma or degree in residence at this college. A candidate for a diploma who has been graduated from a one- or two-year course in this school must earn in residence at least 15 of the additional credits required for the diploma for which he is a candidate.

### TRANSFER OF CREDIT

Credits from the State Colleges are accepted by the University of Wisconsin on exactly the same basis as from other collegiate institutions. For admission to the graduate school, graduates must offer seventy credits in strictly academic or non-professional subjects. A maximum of ten credits may be offered in practice teaching. Graduates from the four-year curricula, as now outlined, will meet the requirements of the University of Wisconsin, and may be admitted to the graduate school on the same terms as the graduates of the university. A minimum grade-point average of 1.75 is required.

Other colleges follow the same procedure in regard to credits as does the state university.

### EXTENSION CLASSES

Members of the college instructional staff are occasionally in demand for off-campus and evening classes. These classes are conducted in response to a call from a school superintendent or principal who acts as local sponsor of a class. The local sponsor is expected to conduct publicity and arrange for a classroom. Registration and collection of fees will be handled by the staff member of the college who is to be instructor for the course.

For a three-credit course, evening classes meet one night per week for 17 weeks and each meeting lasts two and one-half hours.

Fees for extension courses are \$9.00 per credit and must be paid in full not later than the second meeting of the class. Credits will be filed in the State College office at Stevens Point, but will be transferred to other colleges on request. Before enrolling, a student should obtain assurance that credit earned can be applied to the curriculum he is following at the college to which he wishes the credit transferred.

The following limitations are imposed on credits earned in extension courses, and each student is responsible for staying within these regulations:

1. No student shall be granted more than 4 credits for extension courses in any one semester.
2. Extension credits shall be counted as part of a student's college load if he is regularly enrolled in college during the semester the courses are taken.
3. One-fourth of the credits which remained to be earned when the student first enrolled in this college may be earned in off-campus courses. Not more than nine of these credits may be earned during the senior year. Prior approval of each extension course to be taken during the senior year must be obtained from the student's director.

### SUMMER CAMP SESSION

Each summer the Wisconsin State Colleges sponsor and direct a summer session at the Trees for Tomorrow Camp at Eagle River.

This is a five-week session, six days each week, enabling a student to earn six credits. These credits are acceptable in any of the state colleges, assuming that they fit the pattern of the curriculum the student is pursuing. In case courses at the camp do not exactly parallel courses regularly offered on the campus, the proper authorities at the college should be consulted in advance to see whether the camp courses may be taken in lieu of certain similar campus courses. Some of the instructors, sometimes all of them, are members of the state college faculties. The courses offered are such as lend themselves to a camp situation and center around the conservation of natural resources. They consist of classroom work, laboratory sessions, and field trips.

Except for those who live in the area and commute daily, the students live in two well furnished, modern, steam-heated dormitories and get their meals in the mess hall. The whole camp is managed and operated by Trees for Tomorrow, Inc., a non-profit promotional corporation supported by the paper industry in the Wisconsin River Valley. The state colleges are responsible for the educational and social program of the camp. Board and room cost about \$115.00. Each student pays a camp fee of \$10.00 and

the usual summer session incidental fee required at the campus session of the state colleges.

### FIELD TRIPS

Each year, usually during the summer session, the college schedules one or more extended field trips. The itinerary varies from year to year, but typical trips in the past have covered some 3,600 miles each. The college bus is used, and two instructors accompany the 25 or 26 students who can be accommodated.

In order to derive the maximum educational benefit, one week of class sessions precedes each summer trip and two weeks follow. In this way both preparatory and "follow-up" activities are possible. Credit is allowed at the rate of one credit per week, ordinarily, with both travel time and class time counted. In the past, tours have been directed by the geography, history, and English departments in various combinations.

For information on current tours, write the office of the Dean of Administration.

## ADMINISTRATIVE ORGANIZATION

The college is organized for administrative purposes into a College of Letters and Science and four professional divisions: (1) Rural Education, (2) Kindergarten-Primary Education, (3) Intermediate-Upper Elementary Education, and (4) Secondary Education. The administration of the College of Letters and Science is vested in a Dean, and that of each Division in a Director.

All students who have not been approved for professional training as teachers will enroll in the College of Letters and Science and follow the program for a Bachelor of Arts or a Bachelor of Science degree. This includes all students who plan a four-year general course and all students preparing for technical, professional, and graduate studies.

To be admitted to a professional Division, a student must file his application for admission to the division with the division Director. An entering freshman may enter any of the Divisions (if his scholastic record in high school was sufficiently high), except the Division of Secondary Education, and should file his application with the Director when he applies for admission to the college. Candidates for secondary school teaching will enroll in the College of Letters and Science and apply later for admission to the Division of Secondary Education. An enrolled freshman, sophomore, or junior who wishes to enter any one of the four divisions should file his application during the latter part of the semester prior to the semester in which he desires to enter the division.

To qualify for admission to one of the professional divisions, a student's scholastic record must be good enough to indicate the probability of success in the teaching field for which he seeks to prepare.

Specific courses of study for each of the divisions and for the College of Letters and Science will be found in the following sections.

The instructional departments of the college include the following: Art; Conservation; Education; English; French; Home Economics; Library Science; Mathematics; Music; Physical Education; Philosophy and Psychology; Science—Biology, Chemistry, and Physics (including Astronomy); Social Studies—Geography, History, and Social Science (Economics, Political Science, Sociology); and Speech.



## THE COLLEGE OF LETTERS AND SCIENCE

Warren G. Jenkins, Dean

Central State offers courses in Letters and Science leading to the Bachelor of Arts and Bachelor of Science degrees.

The aims of the general courses for the Bachelor of Arts and the Bachelor of Science degrees are: (a) to provide the student with sound education in social studies, sciences, languages, and humanities which will prepare him to be a well informed citizen qualified for responsibilities and leadership in democratic society; and (b) to provide the basic training for professional, technical, and graduate studies. Most professional and technical fields require education beyond the four-year level and an increasing number of nonprofessional fields require a college degree. Employers wish to secure the services of persons with sound educational background. It is the purpose of this college to provide this education.

All students admitted to Central State who have not been accepted for professional training as teachers will enroll in Letters and Science and follow the program for a Bachelor of Arts or a Bachelor of Science degree. This includes all students who plan a four-year general course and all students preparing for technical, professional, and graduate studies. Some students with proper qualifications may be admitted directly to the professional divisions for primary, intermediate, upper elementary, and rural education. Candidates for secondary school teaching will enroll in Letters and Science and apply later for admission to the Division of Secondary Education.

### Advisers

Each student is assigned to a member of the faculty who will act as his adviser until he is accepted by a department for major study. The adviser will assist the student in selection of courses so that he may secure a well rounded education, meet the requirements of the degree, and prepare for his future studies and profession. The adviser will also assist him in adjusting to his academic work and in the improvement of his abilities.

In order that a student may come to understand better the

inter-weaving relationships between various fields of knowledge it is required that he plan, with his adviser, programs by means of which such relationships may be effectively realized.

Not later than the beginning of his junior year the student must have selected the area of his major study. Thereafter, a member of the faculty instructing in that area and the dean of the college shall assist the student and authorize his program of studies. The adviser shall be the chairman of the major department or some member designated by him.

### BACHELOR OF ARTS DEGREE

The curriculum for the Bachelor of Arts General Course is as follows:

- I. English Language and Literature, 12 credits as follows:
  - a. English 101-102.
  - b. English 109-110 or English 121-122.
- II. Foreign Language, 24 credits (including 4 credits in conversation and composition courses beyond the first-year level) in one language or 28 credits in two languages, or 30 credits in three. No less than 8 credits in a single language will be accepted; and a minimum of 14 credits must be offered in one. High-school work will be accepted for this requirement at the rate of 4 college credits for each high-school unit up to a total of 6 units or 24 credits. However, a minimum of 8 college credits is required.
- III. Special Humanities Requirements, 10 credits within the following range of studies: Art history, history of music, literary criticism, colloquium. Students majoring in fields other than language and literature may satisfy this requirement with 6 credits in any literature course (or courses) numbered 200 or above.
- IV. History, 12 credits, including 6 credits of American History.
- V. Social Studies, 6 credits, selected from the following: Conservation 107; cultural geography; economics; philosophy (logic excluded); political science; psychology; sociology.
- VI. Natural Science, Mathematics, Logic: one year of laboratory science and one year of mathematics or logic.

- VII. Physical Education, 4 credits; to be taken during the first two years of attendance. Exemption may be granted by the Physical Education Department for certain reasons.
- VIII. Major study and approved electives to total 120 credits in addition to the required Physical Education. A minimum of 40 credits must be selected from courses numbered 200 or above.

It should be noted that no degree will be granted unless the candidate receives the approval of the faculty during his senior semester.

#### Order of Required Studies

Each student is expected to complete in the first two years the required courses listed in the curriculum above although some exceptions may be granted by the student's adviser and the dean. In any case the following shall be completed:

1. All requirements in English composition and literature and foreign language (unless more than two years are required).
2. Social Studies, 6 credits.
3. Natural Science, Mathematics, Logic, 10 credits.
4. History, 6 credits.
5. Physical Education, 4 credits.
6. By the end of the sophomore year the student must select a major study and plan his course with his major adviser and dean. It is recommended that he also select a minor study by that time.

#### BACHELOR OF SCIENCE DEGREE

The curriculum for the Bachelor of Science General Course is as follows:

- I. English and Speech:
  - a. English 101-102, 6 credits (not required of those who are exempt on the basis of the English placement tests).
  - b. Speech 100, 2 credits.
- II. American History, 6 credits.
- III. One of the following:
  - A. Foreign Language, 8 credits.  
This requirement may be satisfied by two units of high school work completed in one language.

- B. Mathematics, 4 credits.  
This requirement may be waived by the Mathematics Department for certain reasons, such as good mathematical preparation in high school or high performance on a placement test.
- IV. Social Studies, 9 credits.  
Work in social studies must include courses in at least two of the following fields: cultural geography, economics, history (in addition to II above), political science, psychology, sociology, Conservation 107.
- V. Natural Science, 10 credits in one of the following groups:
  - A. Biological or earth science, 5 credits; and physical science, 5 credits.
  - B. A continuous year course in one science, 10 credits.

Note: If only 5 credits are offered in any one science, they must be in a course numbered 150.

Note: Students intending to major or minor in one of the sciences should consult the requirements for that major or minor before beginning a science course.
- VI. Humanities, 9 credits, selected so as to include courses in at least two of the following groups:
  - A. History and appreciation of art, history and appreciation of music.
  - B. Literature. (If the survey course in American Literature or in English Literature is selected, the full year course must be completed to be credited on this requirement.)
  - C. Philosophy (logic excluded), colloquium.
- VII. Physical Education, 4 credits, to be taken during the first two years; exemptions may be granted by the Physical Education Department for certain reasons.
- VIII. Major study and approved electives to total 120 credits in addition to the required Physical Education. (As an elective, no less than 8 credits in a foreign language may be applied toward a degree.) A minimum of 40 credits must be selected from courses numbered 200 or above.  
It should be noted that no degree will be granted unless the candidate receives the approval of the faculty during his senior semester.

**Order of Required Studies**

Each student is expected to complete in the first two years all of the required courses listed in the curriculum above although some exceptions may be granted by the student's adviser and dean. In any case the following shall be completed:

1. English composition, 6 credits, to be taken during the freshman year.
2. Speech, 2 credits.
3. Physical Education, 4 credits.
4. By the end of the sophomore year the student must select a major study and plan his course with his major adviser and dean. It is recommended that he also select a minor study by that time.

**FRESHMAN STUDIES**

1. **English.** Unless exempted by the English Department on the basis of their placement tests, first year students must register for English 101 and 102. See the regulations of the English Department. Students required to register for English 95 may register for no more than 13 credits.
2. **Mathematics.**

Mathematics 115 (Algebra and Trigonometry), 4 credits.  
 Mathematics 117 (Algebra and Trigonometry), 4 credits.  
 Mathematics 116 (Algebra and Analytic Geometry), 4 credits.  
 Mathematics 118 (Algebra and Analytic Geometry), 4 credits.  
 Mathematics 150 (Basic Mathematics), 4 credits.
3. **Science.**

Continuous year courses:  
 Biology 103 and 104 (Introduction to Plant and Animal Biology), 5 credits each.  
 Chemistry 100a and 100b (Fundamental Chemistry), 5 credits each.  
 Chemistry 109a (General Chemistry) and 109b (General Chemistry and Qualitative Analysis), 5 credits each.  
 Geography 100a (Weather and Climate) and Geography 100b (Physiography), 5 credits each.  
 Physics 105 and 106 (General Physics), 5 credits each.

The following courses are less specialized than the above and are organized as semester courses:

- Biology 150 (General Biology).  
 Chemistry 150 (Basic Chemistry).  
 Geography 150 (Earth Science).  
 Physics 150 (Introduction to Physics).

The following science courses are open to freshmen who have satisfactory prerequisites but they do not constitute year courses:

- Biology 115 and 116 (Field Botany and Zoology), 2 credits each.  
 Biology 124 (Physiology), 4 credits.  
 Chemistry 110 (Food Chemistry), 4 credits.

**4. Foreign Language.**

French 101 and 102 (First Year French), 4 credits each.  
 Students with prior training in languages will be assigned to advanced classes as determined by their skills.

**5. Social Studies.**

Geography 101 (Elements of Geography) and Geography 102 (Economic Geography), 3 credits each; not open to students registered for Geography 100a and 100b, or Geography 150.  
 Geography 107 (North America), 3 credits.  
 Geography 110 (South America), 3 credits.  
 Geography 113 (Wisconsin), 2 credits.  
 History 111 and 112 (Modern European), 3 credits each.  
 History 113 and 114 (Medieval History), 3 credits each.  
 Political Science 102 (American Government), 3 credits.  
 Sociology 105 (Rural Society), 4 credits.

**6. Other Freshman Courses.**

Art 102, 3 credits.  
 Art 106, 2 credits.  
 Art 110 and 111, 3 credits each.  
 Conservation 101 and 102, 3 credits each.  
 Conservation 103, 4 credits.  
 English 109 and 110, 3 credits each.  
 English 129 and 130, 3 credits each.  
 Home Economics 101, 3 credits.  
 Library Science 101, 1 credit.

Music 103, 104, 108a, 108b, 109, 113, 114, 117, 119, 121, 122,  
1 credit each.

Speech 100, 2 credits.

For other courses open to freshmen consult the course descriptions in the section "Details of Courses."

- Students with an excellent academic record may, with the permission of the dean, elect one course with a prerequisite of sophomore standing.

### Major Study

Before the beginning of the junior year each student must select a major study, with the written approval of the dean and the chairman of that major department, and must have an approved plan of major study filed with his adviser. A department may refuse to accept a student for major study in that department if the student's general academic record is not satisfactory to that department. The department may refuse to approve his continued registration as a major if his subsequent achievement falls below the standard set by the department.

### Study Load

Each student is required to register for class work in the amount of 12 to 17 credits (not including required Physical Education), except that in exceptional cases the dean may permit registration for less than 12 credits.

### Classification

A student must have 25 credits and 25 grade-points before he may register as a sophomore; 58 credits and 58 grade-points and be accepted by a major department before he may register as a junior; and 88 credits and 88 grade-points before he may register as a senior. Required Physical Education credits will not be included in these classifications. A point-credit ratio of 1.00 is necessary for graduation.

### Preparation for Professional Study

Students planning to enter various professional schools complete part of their college work before being admitted to professional study. A student with such objective will register in the College of Letters and Science and will be assigned an adviser familiar with the requirements of the profession which he plans

to follow. He will plan his studies within the curriculum of either the Bachelor of Arts or the Bachelor of Science degree and will select the specific courses recommended for his profession.

General descriptions of requirements for some professions are given on the following pages. But different schools training for the same profession sometimes require different preprofessional studies; hence each student must be acquainted with the requirements of the school which he plans to enter, and must consult carefully and frequently with his adviser. The problems confronting each student are given careful consideration by his adviser and dean.

### Commerce, Accounting, Business Administration

Students planning to enter a school of commerce should organize their courses within the requirements of one of the general courses and include two years of English composition and Literature, a minimum of one year of Mathematics (including Mathematics of Statistics), Economics, Cooperative Marketing, and (though not required) Foreign Language.

### Conservation and Forestry

Central State was the first college in the United States to offer a major in Conservation and now has a nation-wide reputation. Students planning to work in this field may complete four years of study in Conservation and at least two years of pre-forestry. Students may complete the studies to qualify for over six kinds of examinations and appointments in State Conservation Departments. These include: Game Wardens, Forest Rangers, Game Biologists, Wild Life Biologists, Conservation Aides, and some types of Soil Conservationists.

### Dentistry

Students preparing to enter dental college should take a course similar to the pre-medical course. Generally speaking, dental schools strongly recommend, but do not specifically require, Foreign Language. The ruling of the Dental Educational Council of America calls for at least six semester hours of the following: English, Biology, Physics, Inorganic Chemistry, and three semester hours of Organic Chemistry. Sufficient additional credits to total at least sixty hours must be submitted as preparation for the customary three years of leading schools of dentistry.

**Education**

A student who is considering Education and who may transfer to one of the professional divisions of Central State, such as the Division of Secondary Education, should follow the general requirements for the Bachelor of Science degree. He should include the specific requirements of that division and of the major study which he plans to pursue.

Students who have not determined the teaching area for which they will study should consult not only their advisers but also the Directors of Divisions and the Director of Training.

**Engineering and Scientific Research**

Follow the curriculum leading to the Bachelor of Science degree. The requirements for professional and graduate study in the fields of engineering and research vary with the specialization but are centered in Mathematics and the sciences, and, in research, often necessitate Foreign Language ability. From one to four years preparation for these professions (depending upon the specialization) may be completed at Central State. Advisers direct the student's selection of studies.

**Journalism**

The two years of pre-journalism studies follow the general requirements of the Letters and Science degrees with special attention given to courses in English, Social Studies, and Foreign Language.

**Law**

Pre-legal studies require three to four years. Reasonable foresight in planning a course of study will permit this to be done in three years. A good record made while completing the general and major requirements for a Bachelor of Arts or a Bachelor of Science degree will qualify a candidate for admission to Law School. Law Schools recommend, however, that candidates select majors in Social Studies (History, Economics, Political Science, American Institutions) and gain some understanding of American economic, political, and constitutional history as well as an acquaintance with philosophy and social psychology.

**Medical Technology**

Students may receive a degree of Bachelor of Science in Medical Technology by completing three years (90 credits) of study at

Central State and one year of training at St. Joseph's Hospital in Marshfield, Wisconsin. The arrangements with the hospital permit the student to do the year of technical training during either the third or fourth year of study.

**Medicine**

It is recommended that students planning medical studies should secure high school training in Mathematics and Latin. In college they should follow a curriculum leading to one of the degrees and select a major in Chemistry and a minor in Biology.

Premedical requirements include literature, history, chemistry, zoology, physics, mathematics, social science, and two years of foreign language. These studies usually require a minimum of three years. Because of slightly varying requirements of different medical schools the student must plan his courses carefully in consultation with his adviser.

Some medical schools require that the Medical Aptitude Test be taken before admission. This test is administered annually and may be taken in the sophomore or junior year.

**Nursing and Laboratory Technology**

These courses are similar to the pre-medical course, but the requirements of the professional schools vary considerably. For this reason the student's adviser must direct the student's course of study carefully within the limits of the general requirements.

**Veterinary Medicine**

Pre-veterinary students should register for one of the general courses for a degree and include in their studies algebra, physics, biology, and chemistry. A year of foreign language is recommended; and by some veterinary colleges it is required.

**Other Pre-professional Studies**

Students planning to enter other fields will be assigned to advisers who will guide them in their studies.

## THE PROFESSIONAL EDUCATION DIVISIONS

Curricula in the various teacher education divisions of the college lead to the Bachelor of Science degree. The Bachelor of Education degree is being discontinued; students will not be permitted to start work on this degree after June 1, 1954.

Minimum requirements for the Bachelor of Science degree are listed below. Copies of the curricula required in the elementary divisions can be obtained from the Division Director. The curriculum for secondary education is outlined near the end of this section.

### BACHELOR OF SCIENCE DEGREE

- I. English and Speech:
  - a. English 101-102, 6 credits (not required of those who are exempt on the basis of the English placement tests).
  - b. Speech 100, 2 credits.
- II. American History, 6 credits.
- III. One of the following:
  - A. Foreign Language, 8 credits.  
This requirement may be satisfied by two units of high school work completed in one language.
  - B. Mathematics, 4 credits.  
This requirement may be waived by the Mathematics Department for certain reasons, such as good mathematical preparation in high school or high performance on a placement test.
- IV. Social Studies, 9 credits.  
Work in the social studies must include courses in at least two of the following fields: cultural geography, economics, history (in addition to II, above), political science, psychology, sociology, Conservation 107.
- V. Natural Science, 10 credits in one of the following groups:
  - A. Biological or earth science, 5 credits; and physical science, 5 credits.
  - B. A continuous year course in one science, 10 credits.

Note: If only 5 credits are offered in any one science, they must be in a course numbered 150.

Note: Students intending to major or minor in one of the sciences should consult the requirements for that major or minor before beginning a science course.

- VI. Humanities, 9 credits, selected so as to include courses in at least two of the following groups:
  - A. History and appreciation of art, history and appreciation of music.
  - B. Literature. (If the survey course in American Literature or in English Literature is selected, the full year course must be completed to be credited on this requirement.)
  - C. Philosophy (logic excluded), colloquium.
- VII. Physical Education, 4 credits, to be taken during the first two years; exemptions may be granted by the Physical Education Department for certain reasons.
- VIII. a. Division requirements, including majors and minors where specified;  
b. Approved electives to total at least 120 credits, in addition to required physical education.

### DIVISION OF INTERMEDIATE AND UPPER-ELEMENTARY EDUCATION, Quincy Doudna, Director; Robert S.

Lewis, Associate Director.

The Division of Intermediate and Upper-Elementary Education prepares students for teaching positions in grades four through eight in the elementary schools. It also gives the foundation work necessary for later graduate study in the field of Elementary Supervision and Administration.

#### Advanced Students

Experienced teachers who have completed regular two-year courses in county normal schools or in teachers colleges may be admitted to junior standing in this division upon consent of the director. Such persons who desire to enroll in this division shall file transcripts with the Record Office and write or see the Division Director well in advance of enrollment. They should request an evaluation of their credits in terms of the requirements of this

division. A planning sheet, showing requirements to be met, will also be prepared by the director at that time.

### Required Courses

Certain courses are required of all students who are candidates for a degree in this college. These required courses are listed earlier in this catalog. In addition to such required courses, certain other courses should be taken by all students in this division. These are included in the suggested curriculum, a copy of which can be obtained from the Division Director.

### DIVISION OF KINDERGARTEN-PRIMARY EDUCATION, Quincy Doudna, Director; Mary Elizabeth Smith, Associate Director

The Kindergarten-Primary curriculum aims to prepare teachers to meet the needs for directing little children in their school life so that they will grow to be worth-while citizens. We believe that the school is a social institution where each child is a citizen who feels his responsibility for the group and to the group; that it is a place where he shall be allowed to develop a full intellectual, physical, social, and moral life.

To prepare teachers for Kindergarten-Primary work, a four-year curriculum is offered. The first two years of this curriculum are spent in the study of academic courses, so that the student may have the necessary cultural background before entering upon his professional studies. The professional courses present training for the technique of teaching little children. In the sophomore and junior years observation and participation in actual classroom work under skilled and experienced teachers is required. Directed teaching under the guidance of trained supervisors is required in the junior and senior years.

Certain courses are required of all students who are candidates for a degree in this college. These required courses are listed earlier in this catalog. In addition to such required courses, certain other courses should be taken by all students in this division. These are included in the suggested curriculum, a copy of which can be obtained from the Division Director.

### DIVISION OF RURAL EDUCATION, Quincy Doudna, Director; May M. Roach, Associate Director

The Division of Rural Education offers professional preparation for:

1. Teachers and principals of country and village elementary schools.
2. Supervisors of rural elementary schools.
3. Teachers in county normal schools.
4. County superintendents.

All curricula are planned for a degree at the end of four years as the ultimate goal, although it is possible to secure a diploma at the end of two years or at the end of three years.

### Two-Year Curriculum

The completion of the two-year curriculum entitles the student to the diploma of the college. Recipients of this diploma are prepared to teach in one-room rural schools or in the elementary grades of village schools. Special attention is given to the needs of persons preparing to teach in the elementary grades of "integrated" districts, particularly in the open-country schools.

FRESHMAN			
First Semester		Second Semester	
	Credits		Credits
English 101 .....	3	English 102 .....	3
Art 105 .....	3	Mathematics 108 .....	4
Geography 101 .....	3	Education 116 .....	4
English 111 .....	2	Physical Education 163 ..	2
Physical Education 101 ...	1	Political Science 102 or	
Music 105 .....	2	History 112 .....	3
Political Science 102 or			
History 113 .....	3		
	17		16

## SOPHOMORE

Conservation 107 or English 121 .....	3	Conservation 107 or English 122 .....	3
History 115 .....	3	History 116 .....	3
Biology 109 .....	2	Geography 110 .....	3
Psychology 101 .....	3	Biology 155 .....	3
Sociology 105 .....	4	Education 105 .....	2
Education 160 .....	2	Education 160 .....	3
	—		—
	17		17

## Three-Year Curriculum

Persons granted a diploma based on the three-year curriculum are eligible for certificates qualifying them to teach in any elementary school, although the three-year course is planned with the elementary grades of the "integrated" systems more especially in mind. The three-year curriculum is planned so that graduates may complete the required work for a degree in one additional year.

Students transferring from other institutions and desiring to enroll in the three-year curriculum should have their high school, normal school, college, and university extension transcripts sent to the registrar of the college. They should also request the director of the division to prepare a planning form showing how work taken elsewhere applies to the three-year curriculum. For students with teaching experience, the curriculum below is not followed rigidly. Such students must earn 96 credits in addition to required physical education, must complete all "100" courses required for a degree, and must meet residence requirements. Several elective credits may be approved on consultation with the director of the division.

## FRESHMAN

First Semester	Credits	Second Semester	Credits
English 101 .....	3	English 102 .....	3
History 111 or 113 .....	3	History 112 or 114 .....	3
English 111 .....	2	Speech 100 .....	2
Biology 150 or Geography 150 .....	5	Biology 150 or Geography 150 .....	5
Art 105 or 110 .....	3	Art 111 .....	3
Physical Education 101 ...	1	Physical Education 102 .	1
	—		—
	17		17

## SOPHOMORE

History 115 .....	3	History 116 .....	3
Psychology 101 .....	3	Education 116 .....	4
Chemistry 150 or Physics 150 .....	5	Psychology 103 .....	3
Sociology 105 .....	4	Political Science 102 ...	3
Physical Education 151 ...	1	Physical Education 163 .	2
	—	Geography 113 .....	2
	16		17

## JUNIOR

Geography (Regional) ...	3	Biology 155 .....	3
Music 110 .....	2	English 122 .....	3
English 125 .....	3	Music 210 .....	2
Conservation 107 .....	3	Mathematics 108 .....	4
Education 260 (Trg. Sch.).	5	Education 260 (Dem. Sch.) .....	3
	—	Elective ("200" course)..	2
	16		17

## Four-Year Curricula

The division offers courses leading to a Bachelor of Science degree. Ordinarily, students are enrolled in the four-year curriculum only as advanced students after having had some teaching experience.

Certain courses are required of all students who are candidates for a Bachelor of Science degree in this college. These courses are listed earlier in the catalog. In addition, certain other courses are recommended for students in this division.

Students preparing for service in Rural Supervision and Teacher Education should elect courses in Tests and Measurements (Education 219), Rural Education (Education 218), Radio and Audio Visual Education (Education 231), and Supervision in Rural Education (Education 217a). They should also take three credits in Directed Supervision (Education 217b). If students prefer, they may defer the work in Supervision until they enter graduate school.

Students preparing for service in the field of administration and teaching in elementary schools in rural systems may omit the course in Supervision (Education 217a) and should register for Directed Teaching in place of Directed Supervision. They should



also elect the course in School Organization and Administration (Education 228).

### **SPECIAL FOUR-YEAR CURRICULUM for County Normal Graduates**

Graduates of the regular state-approved two-year county normal course who have had teaching experience may be admitted to junior standing in any elementary division upon satisfactory evaluation of their transcripts by the director. The following program is required for such students.

#### **Required courses:**

Chemistry 150

Physics 150

Education 260

Speech 212 or Education 215

Foreign Language or Mathematics 150 (may be omitted if 2 units of high school mathematics or foreign language are presented)

Humanities, 9 credits, selected so as to include courses in at least two of the following groups:

A. Art 205, Music 118a, Music 118b.

B. Literature (in courses numbered 200 or above).

C. Philosophy, colloquium.

**Electives** to total 64 credits beyond the county normal course.

Since the student must earn 43 credits in courses numbered 200 or above, most electives should be in that category.

### **DIVISION OF SECONDARY EDUCATION,**

**Raymond M. Rightsell, Director**

The curriculum of the Division of Secondary Education has been planned to give the students a thorough scholastic background, skill in teaching techniques, and aid in developing a well adjusted personality capable of leadership in the educational and the co-curricular activities of the junior and senior high schools and the communities in which they teach.

A major field of study should be selected by the end of the first year. Choice may be made from this list: Biology, Chemistry, English, French, General Science, Geography, History, Home Economics, Mathematics, and Conservation. In most cases a student must have one major and two minors.

The sequence in Education should be started in the junior year. It begins with Education 223 (Principles of Education), and two courses in the Techniques of Teaching (Education 225) in the major and minor fields. At least five credits in supervised teaching then follow in the senior year. It is to be understood that no recommendation for teaching placement will be given unless ten credits of supervised teaching are taken. During the senior year the student takes Education 226 (Educational Psychology). Other courses in Education may be elected to complete the twenty-credit requirement, but in no case may these electives be chosen prior to the second semester of the junior year. Conservation 107, Economics 212, and Psychology 101 are required courses.

### **JUNIOR AND SENIOR**

Work of the junior and senior years will include Education 223 (3 credits), Education 225 in the major field (2 credits), Education 225 in the minor field (2 credits), Economics 212 (2 credits), Conservation 107 (3 credits), Education 226 (3 credits), Education 260 (10 credits), and selections in the major and minor fields and electives to total 16 credits per semester.

### **PRACTICE TEACHING**

Practice teaching is one of the major phases in the training program of prospective teachers. This program is under the direction of the Director of Training and the Supervisory Staffs of the college training schools. To provide adequate facilities for effective practice teaching experiences for all teacher candidates, the following schools are utilized:

1. Campus Laboratory Schools:
  - a. Primary Department — kindergarten, first, second, and third grades.
  - b. Intermediate Department — fourth, fifth, and sixth grades.
  - c. Upper Elementary Department — seventh and eighth grades.
  - d. Junior High School Department—Seventh, eighth, and ninth grades.
  - e. Rural Department—grades one through six—two typical one-room rural schools, with children from rural areas enrolled.

2. Local public schools:
  - a. Grade schools—kindergarten through eighth grade.
  - b. P. J. Jacobs High School—grades nine through twelve.
3. Adjacent public schools:
  - a. One-room rural schools.
  - b. State graded schools.
  - c. Small village grade and high schools.
  - d. City grade and high schools.

Student teaching experiences consist of three types of activities:

1. Observation of the learning activities of boys and girls.
2. Participation in the related activities of the school program.
3. Assuming full responsibility for the learning activities of a regular class until teaching competence is achieved.

The observation of the learning activities of boys and girls begins early in the training program. The training school staff demonstrates, to the observers, effective teaching procedures and practices, followed by explanations and discussions. When the student teacher is ready, opportunities are provided for participation in many of the classroom, playground, or field activities of the learning group. When the second semester of the junior year is reached, and the prerequisite technique courses for student teaching have been successfully completed, the student teacher applies to the director of the division for permission to enroll for student teaching. If the essential qualifications of the division are met, this permission will be granted, and the student will receive from the campus school supervisor an assignment for his initial classroom student teaching experience; such assignment must first be approved by the director of training.

In most instances opportunity for student teaching in more than one grade or subject field within the department is provided. Those students whose academic and professional record reflect consistent progress and who have demonstrated a desire to make the most of their student teaching experience are assigned to classes in the local public schools or other participating schools in the adjacent area for their final assignment. All re-

quired student teaching is completed at the close of the first semester of the senior year, except in a few cases where additional student teaching is required.

The campus laboratory school supervisory staff consists of a supervisor for each grade from kindergarten through the eighth grade, two supervisors for the campus rural schools, and special supervisors in the fields of vocal and instrumental music, physical education, art, and home economics.

## CERTIFICATION AND PLACEMENT OF GRADUATES

### CERTIFICATION

A graduate from a four-year curriculum leading to a degree in one of the professional divisions will be entitled to a state license to teach for one year in the public schools of Wisconsin. The subjects or grades which the licensee may teach will be determined by the curriculum followed in college. After teaching one year successfully, he may have the license renewed for one year. After two years of successful teaching, he may receive an unlimited state certificate.

A student who completes a two- or three-year curriculum will be granted a diploma which makes him eligible for a license to teach in the elementary grades in Wisconsin schools, although his preparation is directed mainly toward elementary schools in the open country and in the villages, particularly in the new "integrated" districts.

The State of Wisconsin has imposed the following statutory requirements for certification in certain fields:

"In granting certificates for the teaching of the courses in science and the social studies, adequate instruction in the conservation of natural resources shall be required."

"In granting certificates for the teaching of courses in economics, the social studies, and agriculture, adequate instruction in cooperative marketing and consumers' cooperatives shall be required."

The Wisconsin Department of Public Instruction has interpreted the law on conservation and cooperatives as applying to teaching majors in the fields named, but not to teaching minors.

### PLACEMENT SERVICES

The college provides a placement service for graduates who successfully complete the requirements for graduation and who have made satisfactory progress in the attainment of teaching competence.

Early in the first semester of the senior year, essential personal information, recommendations, and reports of student teaching progress are collected and included in the confidential credentials prepared for placement purposes. A record of the extra-curricular activities which have enriched the candidate's professional education are included in the credentials. A minimum of five copies of the credentials is prepared for each candidate. Additional copies are made when necessary.

School officials who call at the placement office to interview candidates are provided with a copy of the confidential credentials for review and study. Those whose personal qualifications are acceptable and whose academic, professional, and student teaching records are strong are selected for interviewing. Many placements are made through this procedure.

Requests for the credentials of candidates are received from all areas of the state and an increasing number from out of state. These are mailed to the authorized school official upon request. When a candidate has been elected to a teaching position, a set of his credentials is usually filed in the superintendent's or principal's office during the period of service in the school system. They are generally returned to the placement office when the teacher leaves the school system.

Placement services are available to all alumni of the college who have served a minimum of two years in their initial teaching assignment. An evaluation of previous teaching experience and added professional education is obtained and included in the credentials to bring the record up-to-date. School officials are provided with the credentials of alumni in the same manner as those of beginning teachers.

Graduates from the College of Letters and Science are eligible for placement services. Credentials will be prepared for all who enroll for this service and will be sent wherever and whenever requested.

There is no charge for any of the placement services of the college.

## DETAILS OF COURSES

Courses numbered below 100 do not confer college credit.

Courses numbered 100-199 are primarily for freshmen and sophomores.

Courses numbered 200-299 are primarily for juniors and seniors. Sophomores may register for courses 200-299 if they receive special permission from the Dean of the College of Letters and Science or from the Division Director.

To receive a degree, the student must earn at least one-third of the required credits in courses numbered 200-299.

### **ART, Miss Carlsten, Mr. Runke**

A minor in Art consists of twenty credits, including Art 110, 111, 113, 205, 211, 212a-b. Home Economics students may substitute Art 102 for Art 110, and Art 106 for Art 113.

#### **Art 102. Color and Design. Three credits.**

Fundamentals of color and design in relation to personal and home problems. Required of Home Economics majors as prerequisite to Art 106.

#### **Art 105. Drawing. Three credits.**

A foundation course in drawing, designed to develop the student's power in graphic expression; freehand drawing, essentials of perspective, and abstract and pictorial composition; problems in color, design, and lettering, in a variety of mediums.

#### **Art 106. Interior Decoration. Two credits.**

Art structure and fundamental principles of decoration applied to problems of home decoration; period styles and their meaning; decorator's notebook and practical problems.

#### **Art 110. Drawing. Three credits.**

Representation drawing, color, lettering, perspective, and design.

#### **Art 111. Drawing. Three credits.**

Continuation of Art 110; application of principles to problems of applied design in craft projects.

Prerequisite: Art 110.

#### **Art 113. Layout and Lettering. Two credits.**

Fundamentals of lettering in various alphabets; problems in showcard, sign and advertising layout in a number of mediums.

#### **Art 205. History and Appreciation of Art. Two credits.**

Survey of the field of art history, orienting the student to the various fields of art, architecture, painting, sculpture, and the minor arts.

#### **Art 211. Art Workshop. Three credits.**

Advanced problems of applied design in various craft projects.

#### **Art 212a. Watercolor. Three credits.**

Still life and landscape painting in transparent and opaque watercolor.

#### **Art 212b. Oil Painting. Three credits.**

Painting techniques in figure, still life, and landscape.

#### **Art 250. Special Work.**

Upper class students minoring in Art may, by agreement with their dean or director and a member of the Art Department, arrange for special out-of-class work, for which credit may be allowed on the basis of one credit for each week, or its equivalent, devoted exclusively to a special project.

### **ASTRONOMY, Mr. Rightsell**

#### **Astronomy 101. Elementary Astronomy. Three credits.**

A course in elementary descriptive astronomy; mathematics not required. In addition to the lectures, evening meetings will be required for observation and use of the department's four-inch refractor.

Prerequisite: Sophomore standing.

### **BIOLOGY, Mr. Pierson, chairman; Mr. Epple, Mr. Lyness, Mr. Sylvester, Mr. Wiesel**

A. A major in Biology consists of 30 credits, including Biology

103, 104, 124, 214, and 216. At least 12 credits must be earned in courses numbered over 200.

B. A minor in Biology consists of 20 credits, including Biology 103, 104, and 124.

**Biology 103. Introduction to Plant Biology.** Five credits.

A course embodying general biological principles with special emphasis on growth, reproduction, structure and functions of plants. Laboratory work consists of morphological studies of typical plants.

**Biology 104. Introduction to Animal Biology.** Five credits.

Study of anatomy, physiology, adaptations and classification of animals. Laboratory work includes morphology and anatomy of various types of animals.

**Biology 109. Nature Study.** Two credits.

General relationships to mankind of plant and animal life with special attention to nature study teaching and its correlation in the elementary grades.

**Biology 115. Field Botany.** Two credits.

Identification and classification of plants, particularly those seed plants flowering during the session; field trips and study of collections in the laboratory.

Prerequisite: Biology 103.

**Biology 116. Field Zoology.** Two credits.

Field trips; observing and collecting of local species; identification and study of specimens in the laboratory.

Prerequisite: Biology 104.

**Biology 117. Natural History of Vertebrates.** Three credits.

Life histories and classification of Midwestern vertebrates.

Prerequisite: Biology 104.

**Biology 124. Physiology.** Four credits.

A general course in physiology dealing with the body functions. Lecture two hours; laboratory four hours.

Prerequisite: Biology 104.

**Biology 150. General Biology.** Five credits.

A one-semester course designed to give the student an under-

standing of biological principles and to familiarize him with a wide variety of plant and animal types; three hours lecture, four hours laboratory per week.

**Biology 155. Personal and Community Health.** Three credits.

A general course designed to acquaint the student with health practices and problems in the fields of personal and community health.

**Biology 210. General Bacteriology.** Four credits.

Introduction to morphology, physiology, classification and cultivation of bacteria, yeasts, and molds, particularly as they affect food supply, problems of the household and everyday life; lecture and laboratory.

Prerequisite: Biology 103.

**Biology 214. Comparative Vertebrate Anatomy.** Four credits.

A course dealing with the structure and evolutionary relationships of vertebrates. The laboratory work is designed to show the basic similarities and progressive changes in animals as they increase in complexity from aquatic to land forms; lecture two hours, laboratory four hours.

Prerequisite: Biology 104.

**Biology 216. Botany.** Five credits.

An advanced course in plant biology dealing with morphology, physiology and general classification of plants.

Prerequisite: Biology 103.

**Biology 220. Ecology.** Three credits.

A study of the physical and biotic interrelationships of plants and animals in their environment.

Prerequisites: Biology 103 and 104, or 150.

**Biology 222. Heredity and Eugenics.** Three credits.

A course designed to give the student an understanding of the general principles of heredity and variation in plants and animals, with special emphasis on human inheritance.

**Biology 250. Special Work.** One or two credits.

Upper class students majoring or minoring in Biology may, with the consent of their dean or director and the chairman of the

Biology Department, arrange for special research projects and be allowed one or two credits for the satisfactory completion of them.

**CHEMISTRY, Mr. Trytten, chairman; Mr. Faust**

A. A major in Chemistry consists of Chemistry 109a (or 100a-100b), 109b, and at least 18 credits in the department from courses numbered over 200.

B. A minor in Chemistry consists of Chemistry 109a (or 100a-100b), 109b, and at least five additional credits in the department.

**Chemistry 100a-100b. Fundamental Chemistry.** Each five credits.

A study of the fundamental laws and principles of chemistry, in connection with the descriptive chemistry of the more common elements and compounds; the second semester includes an elementary survey of organic chemistry; three hours lecture, four hours laboratory per week.

**Chemistry 109a. General Chemistry.** Five credits.

A review of high school chemistry, with emphasis on atomic structure, valence, equation writing, and solving of problems; descriptive chemistry of representative non-metallic elements and their compounds; brief survey of organic chemistry; three hours lecture, four hours laboratory per week.

Prerequisite: Satisfactory background in high school chemistry and mathematics as shown by a placement examination.

**Chemistry 109b. General Chemistry and Qualitative Analysis.** Five credits.

Separation and identification of metals and non-metals in unknowns; detailed descriptive chemistry of metals and non-metals; three hours lecture, four hours laboratory per week.

Prerequisite: Chemistry 100b or 109a, or concurrent registration in Chemistry 100b, or consent of instructor.

**Chemistry 110. Food Chemistry.** Four credits.

A survey of carbohydrates, lipids, and proteins, their composition and properties, and their fate in digestion and metabolism; three hours lecture, two hour laboratory per week.

Prerequisite: Chemistry 100b, 109a, or 150.

**Chemistry 150. Basic Chemistry.** Five credits.

A survey of the basic principles of chemistry, together with the descriptive chemistry of some of the common elements and compounds; practical applications are emphasized; three hours lecture, four hours laboratory per week.

**Chemistry 205a-205b. Organic Chemistry.** Each five credits.

Principles and theories of organic chemistry; detailed descriptive chemistry of compounds of the aliphatic, aromatic, and heterocyclic series; laboratory work on the analysis and synthesis of representative organic compounds. Three hours lecture, six hours laboratory per week.

Prerequisite: Chemistry 109b.

**Chemistry 210a-210b. Quantitative Analysis.** Each five credits.

Theory and practice of both gravimetric and volumetric analysis, with applications to the analysis of commercial products, ores, rocks, and organic compounds. Three hours lecture, six hours laboratory per week.

Prerequisites: Chemistry 109b, Mathematics 116 or 118.

**Chemistry 212. Advanced Inorganic Chemistry.** 4 or 5 credits.

The detailed descriptive chemistry of the elements other than carbon; atomic structure, including s, p, dd, f subshells; crystal structure; complex ions; nuclear reactions; inorganic isomerism. Three hours lecture, three to six hours laboratory per week.

Prerequisite: Chemistry 210a.

**Chemistry 213. Biochemistry.** Four or five credits.

A study of the chemistry of bodily processes, including digestion, metabolism, respiration; photosynthesis; function of vitamins, hormones, and enzymes. Three hours lecture, three or six hours laboratory per week.

Prerequisites: Chemistry 205a, Biology 104 or 150.

**Chemistry 250. Special Work.** One or two credits.

Upper class students majoring or minoring in Chemistry may, with the consent of their dean or director and the Chemistry Department, arrange for special research projects and be allowed one or two credits for the satisfactory completion of them.

**COLLOQUIUM, Mr. Jenkins**

The purpose of the Colloquium is to help students acquaint themselves with great ideas developed by mankind and evaluate the theories and practices of the twentieth century in the light of the human learning of the past three thousand years. It is a course for reading and discussion.

The separate courses need not be taken in numerical sequence. Each course includes books from the ancient to the current and is sufficiently flexible to provide for the needs and interests of the students who register.

Credit in these courses may, with the consent of the chairmen of the departments, be used to satisfy some of the requirements in the departments of History, Social Science, English, and Philosophy.

**Colloquium 201-202-203-204. Colloquium on Important Books.**  
Each two credits.

Group reading and discussion of some of the writings of eight different authors from the Greek era to the present.

Prerequisite: Consent of the instructor.

**CONSERVATION, Mr. Schmeackle, chairman; Mr. Sylvester, Mr. Wiesel**

A. A major in Conservation consists of 25 credits, 17 of which will be earned in the following: Conservation 101, 102, 103, 202, and 210. The remaining credits may be selected from Conservation 203, 204, 212, 220, 224, 240, and 250.

The following are collateral courses: Biology 103, 104, 117, and 220; Chemistry 150 (or 100a-b or 109a-b); Geography 100b or 150; Mathematics 150 or 115 or 117; Sociology 206.

B. A minor in Conservation consists of 18 credits. Conservation 101 or 107, and Biology 220 are required; the remaining credits may be elected from any other conservation courses or Biology 117. Biology 103-104 (or Biology 150) are prerequisites for Biology 220.

C. Education students majoring or minoring in Conservation should take Education 240 for one of their technique courses.

**Conservation 101. Principles of Resource Conservation.**

Three credits.

The history and development of the conservation movement; principles, practices, and philosophy of resource management; an orientation course for students who intend to major in conservation.

**Conservation 102. Introductory Forestry.**

Three credits.

An introductory course in forestry, including the history of forestry and the administration and protection of forests on national, state, and local levels; emphasis on the forest as a community, and on the identification and characteristics of members of this community; two hours lecture, two hours laboratory per week.

**Conservation 103. Soil Science.**

Four credits.

Studies in soil; its structure and composition; its fertility and maintaining of fertility; field and laboratory problems; three hours lecture and two hours laboratory per week.

**Conservation 107. Conservation of Natural Resources.**

Three credits.

A survey of natural resources with emphasis upon the development of the proper public attitude toward the wise use of our natural resources; designed principally as an informational course for those who will need it for teaching preparation.

Prerequisite: Sophomore standing.

**Conservation 202. Applied Forest Practices.**

Three credits.

A study of forest management, utilization, marketing and mensuration; use of instruments and elements of mapping; forest practices applied to woodlots and small forests; two hours lecture, two hours laboratory per week.

Prerequisite: Conservation 102.

**Conservation 203. Conservation Farming.**

Four credits.

Principles of agronomy in relationship to maintaining high productivity through soil conservation measures; the types of erosion and their control; water conservation and efficient land use; three hours lecture, two hours laboratory per week.

Prerequisite: Conservation 103.

**Conservation 204. Wildlife Management.** Three credits.

The importance of fish and wildlife management and land use, pointing out the need of maintaining our recreational resources; two hours lecture, two hours laboratory per week.

Prerequisite: Biology 117 and 220.

**Conservation 210. Land Utilization.** Four credits.

History of the Public Domain; land policy of the United States toward the development of agricultural land, forest land, grazing land, mineral land, wild life, and water resources; consequences of the utilization of these resources; economic and social problems created through multiple uses of our resources and need for social adjustment and planning.

**Conservation 212. Conservation Administration.** Two credits.

The administrative principles and organizational structure of state and federal conservation agencies. Offered in 1955-56 and in alternate years.

**Conservation 220. Water Conservation.** Three credits.

Surface and sub-surface water resources, their economic and social importance, control, and conservation.

**Conservation 224. Conservation of Aquatic Life.** Three credits.

General limnology and ichthyology; a study of aquatic communities, their ecology, management, and conservation; two hours lecture, two hours laboratory per week.

Prerequisites: Biology 117 and 220.

**Conservation 240. Conservation Seminar.** Two credits.

Individual and group investigation of current problems in conservation.

Prerequisite: Senior standing for majors or minors in Conservation.

**Conservation 250. Special Work.**

Upper class students majoring or minoring in Conservation may, by agreement with their dean or director and a member of the Conservation Department, arrange for special out-of-class work, for which credit may be allowed on the basis of one credit for each week, or its equivalent, devoted exclusively to a special project.

**ECONOMICS, Mr. Reppen**

A minor in Economics shall consist of 20 credits in the field, including Economics 103 and 104, 210 and 212 and at least seven additional credits.

**Economics 103. General Economics.** Four credits.

Fundamental economic principles and problems of economic society; production, the modern exchange system, value and price.

Prerequisite: Full sophomore standing.

**Economics 104. General Economics.** Four credits.

Distribution, consumption, public finance, economic policies and politics.

Prerequisite: Economics 103.

**Economics 210. Statistical Methods.** Three credits.

Sources of statistical data, tabulation, charting, averages, dispersion, sampling and probability, index numbers, trends, seasonal variations, economic cycles, correlation.

Prerequisite: Economics 103.

**Economics 211. Labor Problems.** Three credits.

Employer-employee relationships; characteristics of labor markets; types of labor organizations and employer organizations; industrial disputes and the devices for effecting settlements; collective bargaining and labor legislation.

**Economics 212. Cooperative Marketing.** Two credits.

An analysis of marketing services; producer and consumer cooperatives as devices for rendering these services.

**Economics 214. Money and Banking.** Three credits.

Monetary and banking principles and practice; price theories; banking systems and their operation.

Prerequisite: Economics 103.

**Economics 216. Public Finance—Taxation.** Three credits.

Specific taxes which make up the national, state, and local systems with special emphasis upon the practical social problems involved.

Prerequisite: Economics 104.



**Economics 220. Fire and Casualty Insurance. Two credits.**

Economic services, contracts, benefits, and premiums in the field of fire and casualty insurance.

Prerequisite: Economics 104.

**EDUCATION**, Mr. Reppen, chairman; Miss Carlsten, Mrs. Cutnaw, Miss M. Davis, Miss Diehl, Mr. Doudna, Mr. Eagon, Mr. Epple, Miss Glennon, Mr. Hansen, Miss Hansen, Mr. Harrer, Mr. Harris, Miss V. Kellogg, Miss Keyser, Mr. Lewis, Mr. Nixon, Mrs. Ravey, Miss Reilly, Miss Roach, Mr. Roberts, Mrs. Samter, Mr. Schmeckle, Mr. Specht, Miss VanArsdale, Mrs. Williams, Miss Youmans, and other supervising teachers

The professional Education courses required of all juniors and seniors in the professional divisions are outlined in an earlier section of the catalog. The typical sequence is as follows: Junior year, first semester, Education 223 (Principles of Education); second semester, the technique course in major field (see courses listed below), and some participation in the work in the Training School; senior year, Education 260 (Practice Teaching), a technique course in the minor field or fields, and Education 226 (Educational Psychology).

Education 223, at least one technique course, and recommendation by the staff of the major department, are prerequisite to practice teaching (Education 260).

All juniors are required to participate in Training School activities for periods designated by the Director of Training. This participation is carried on in conjunction with the work in Education 225.

**Education 85. Driver Education for Beginners. No credit.**

A non-credit course meeting concurrently with Education 209 for classroom discussion and activity; behind-the-wheel training in a dual control automobile with a student instructor-in-training, under the supervision of the instructor.

**Education 105. Rural School Organization and Management. Two credits.**

For students preparing to teach in rural schools; principles of organization and management applied to rural school situations.

**Education 116. Techniques in Rural Education. Four credits.**

Methods in the teaching of the language arts with adaptation of the techniques to the program of rural elementary schools.

**Education 160. Practice Teaching in the Two-Year Rural Curriculum. Five credits.**

Prerequisite: Sophomore standing, Education 116.

**Education 203a. Techniques in Primary Education. Two credits.**

A course planned to teach the principles, aims, and methods of primary reading; observations included.

**Education 203b. Techniques in Primary Education. Two credits.**

A course in the principles underlying the teaching of the drill subjects: writing, spelling and arithmetic; observations included.

**Education 203c. Techniques in Primary Education. Two credits.**

A course in the techniques recommended for the teaching of the social studies and language in the primary grades; observations included.

**Education 203d. Techniques in Kindergarten Education.**

Two credits.

A course in the techniques used in kindergarten teaching; observations included.

**Education 209. Driver Education. Two credits.**

A teacher training course for theory in organization, administration, and teaching of Driver Education and Training; requires the instruction of a new driver with the dual-control training car outside regular class hours.

**Education 212. Techniques for Intermediate and Upper Grades. Three credits.**

Methods of teaching in grades four to eight, combined with apprentice work.

**Education 213. Workshop in Elementary Education.**

Three credits.

The workshop technique applied to problems of teaching in various curricular fields in the elementary schools. A subtitle will be added to the title to describe the area considered each time the course is offered.

**Education 215. Speech Methods in the Elementary School.** Three credits.

Methods, materials, and philosophy for the teaching of Speech in the elementary school; curricular correlation.

**Education 217a. Supervision in Rural Education.** Three credits.

A course to train students in the supervisory phases of teacher training, including such units as lesson planning, demonstration teaching, teacher and supervisor conference, group meetings of teachers, county educational projects, training the teacher in service, and the curriculum.

**Education 217b. Directed Supervision.** Three credits.

Experiences in the demonstration schools appropriate to persons preparing for careers as rural supervisors.

Prerequisite: Teaching experience and credit or concurrent registration in Education 217a.

**Education 218. Rural Education.** Three credits.

A discussion of the present status of rural education and its possibilities through re-organization, consolidation, enrichment of curriculum, professional teaching, supervision, and an adequate program of financial support.

**Education 219. Tests and Measurements.** Three credits.

A brief history of the testing movement, including a discussion of the needs for a change in testing procedures; the functions of tests, the methods by which they are applied, scored, and results tabulated; the construction of objective tests and the improvement of teacher-made tests.

**Education 223. Principles of Education.** Three credits.

Meanings and purposes of education; the relationship between the child and the teacher, the teacher and the school, and the school and society; ways of creating the environment in which learning can occur most efficiently.

**Education 225 (Art). Techniques in Teaching Art.** Two credits.

Methods, materials, and philosophy for the teaching of art in the elementary and secondary schools.

**Education 225 (English). Techniques in Teaching English.** Two credits.

A discussion of the aims, methods, and organization of material in high school English.

**Education 225 (Foreign Language). Techniques in Teaching Foreign Language.** Two credits.

Teaching of foreign languages in the secondary school; for prospective teachers of foreign languages in junior high school and four-year high school.

**Education 225 (Home Economics). Techniques in Teaching Home Economics.** Two credits.

A study of modern methods of teaching home economics, planning of units of work, laboratory and class management, testing and evaluating results; a study of text and reference books, illustrative material, and equipment.

**Education 225 (Mathematics). Techniques in Teaching Mathematics.** Two credits.

Subject matter, its organization, and methods of teaching mathematics in the secondary school.

**Education 225 (Music a). Techniques in Teaching Instrumental Music.** Two credits.

Problems of organizing instrumental classes, band, and orchestra, on curricular and extra-curricular basis; observation of classroom teaching.

**Education 225 (Music b). Techniques in Teaching Vocal Music.** Two credits.

The organization and administration of general music classes, choirs, glee clubs, and the entire vocal music program in the secondary school.

**Education 225 (Physical Education). Techniques in Teaching Physical Education.** Two credits.

A course in the techniques of teaching in a modern program of physical education; principles and organization of Physical Education.

**Education 225 (Science). Techniques in Teaching Science.**

Two credits.

A study of the problems of the teachers of biology, chemistry, general science, and physics; organization of subject matter, effective teaching methods, and the use of special devices.

**Education 225 (Social Studies). Techniques in Teaching****Social Studies.**

Two credits.

The nature and scope of social studies materials, objectives sought, technique designed to achieve these objectives, and the measurement of learning products.

**Education 226. Educational Psychology.**

Three credits.

The psychological bases of educational procedures and practices; a survey of the educational implications of the characteristics of physical and mental growth, emotional behavior, motivation, learning, and individual differences.

Prerequisite: Psychology 101.

**Education 227. Philosophy of Education.**

Three credits.

A study of educational philosophies underlying the various methods of teaching and of organizing subject matter; the relation of political and social philosophies to national systems of education, to different plans of school organization, and to various types of schools.

**Education 228. School Organization and Administration.**

Two credits.

National, state, and county school organization and administration; local school organization and administration; the problems which confront the administrator in financial and pupil accounting, supervision and improvement of instruction, and the maintenance of favorable public relations.

**Education 231. Radio and Audio-Visual Education.**

Three credits.

The classroom use of such aids as pictures, lantern slides, motion pictures, and maps; training in the use of radio programs as an educational aid.

**Education 233. Remedial Reading.**

Two credits.

A study of preventive and remedial measures in the teaching of

reading in all the grades and high school; diagnosis of causes and the application of remedial techniques.

**Education 235. Organization and Administration of****Vocational Home Economics.**

Three credits.

Organization and administration of the vocational home economics program in the rural and city schools, including experience with adult home making education.

**Education 240. Workshop in Conservation Education.**

Three credits.

Workshop technique applied to problems of teaching conservation in the elementary and secondary schools.

Prerequisite: Conservation 101 or 107.

**Education 260. Practice Teaching.**

Credit as arranged.

A sub-title will be added to the title to indicate the field in which the practice teaching is done.

Prerequisites: Education 223, Education 225, Recommendation of staff in major field.

**ENGLISH, Mr. Burroughs, chairman; Mrs. Blodgett, Miss M. Davis, Miss Glennon, Mr. Knutzen, Miss Roach, Miss Smith, Mrs. Specht, Miss Wilson.**

Entering freshmen are required to take a placement examination in English and in reading. The results of this examination determine the course which the student will enter. If the student's achievement is unsatisfactory, he must make up his deficiency by entering a remedial English and reading course. His schedule will automatically be reduced by three semester hours in order that he may prepare to pass the test at the beginning of the next semester. This deficiency in English and/or reading must be made up before the student may enter English 101.

Freshmen who rate high on the placement test and who show exceptional skill in writing are not required to take English 101 and 102. They may, instead, elect six credits from the following courses: English 109-110, 121-122, 125, or 129-130.

A. A major in English consists of English 101-102 (unless exempt), and 29 credits as follows:

- 1) Nine credits to be chosen from English 109, 110, 121, and 122;

- 2) Three credits in Intermediate Composition (English 125);
- 3) Twelve credits in English 209, 217, 220, and 224;
- 4) Five credits to be chosen from English 204, 207, 208, 210, 215, 216, 218, 219, 228, and 250.

Outside the department:

- 1) Experience with one or more forms of extra-curricular activities related to the field of English: dramatics, forensics, publications, and radio;
  - 2) The department recommends:
    - a) A minor in Speech, or at least Speech 102 and 215;
    - b) Ten credits in History: 115, 116, 235a-b;
    - c) Sufficient courses in Library Science to qualify for certification as Teacher-Librarian.
- B. A minor in English includes English 101-102 (unless exempt), 125, 224, and at least 10 additional credits from the courses listed under A, above.

**English 95. Remedial Reading and English.** No credit.

A sub-freshman course required of all freshmen who do not qualify for English 101 on the placement examinations. The class will meet four times each week during one semester. Special attention will be given to remedial reading during the first nine weeks.

**English 101-102. Freshman Composition.** Each three credits.

A year course, required of all freshmen (except those exempt on the basis of the placement test), including the mechanics of writing, spelling, punctuation, sentence structure, paragraphing, use of dictionary, making bibliographies, note-taking, outlining, reading, and reporting on books in the fields of fiction and non-fiction for building up a fund of ideas to be used in writing short themes.

**English 109-110. Survey of English Literature.** Each three credits.

A general survey course in English literature studied in its relation to successive phases of English national life.

**English 111. Children's Literature.** Two credits.

A study of literature for children with emphasis upon the read-

ing, selection, and presentation of materials suitable for the various grades in an elementary school.

**English 113. Literature of the Primary Grades.** Two credits.

A study of literature by types, with emphasis upon narrative; the establishing of standards by which to judge new literature.

**English 121-122. Survey of American Literature.**

Each three credits.

A study of the development of American thought as revealed in American literature.

Prerequisite: Sophomore standing.

**English 125. Intermediate Composition.** Three credits.

Practice in the presentation of descriptive, narrative, and expository projects, with special emphasis on all types of expository writing.

**English 126. English and American Plays.** Two credits.

An appreciation course in representative twentieth century English and American plays.

**English 129-130. World Literature.** Each three credits.

First semester: A study of the representative selections of world literature from the earliest times to the seventeenth century.

Second semester: A study of world literature from the seventeenth century to the present.

**English 204. Advanced Writing.** Three credits.

Creative writing in the essay, short story, and drama; a study of types of creative writing.

Given in 1955-56 and in alternate years.

**English 207. The Essay.** Two credits.

A study of the essay as a type of literature in England and in America.

Given in 1954-55 and in alternate years.

**English 208. The American Novel.** Two credits.

A study of the development and characteristics of the American novel from the eighteenth century to the present day.

Given in 1955-56 and in alternate years.

**English 209. Shakespeare.** Three credits.

Study and discussion of the nature of comedy, tragedy, romance, and history as found in the reading of representative plays; study and discussion of the tragic forces in life, of the nature of tragic character, and of the elements of comedy in life situations.

**English 210. Contemporary Drama.** Two credits.

A study of the origin, development, and characteristics of the drama; a workshop in contemporary plays.

Given in 1955-56 and in alternate years.

**English 215. The Romantic Movement.** Three credits.

A study of the development of romanticism in England, its theory and its creation, including a rapid survey of the pre-romantic movement.

Given in 1955-56 and in alternate years.

**English 216. Victorian Period.** Three credits.

A study of the works of the great poets and prose writers of the Victorian epoch in the light of the historical background and of the social and intellectual movements and literary development of the age.

Given in 1954-55 and in alternate years.

**English 217. The New England Circle.** Three credits.

A critical study of the writings of Emerson, Thoreau, Hawthorne, Whittier, Longfellow, Holmes, and Lowell.

Given in 1954-55 and in alternate years.

Prerequisite: English 121-122.

**English 218. Literary Criticism.** Two credits.

A study of the principles of literary criticism based upon the chief ancient and modern theories. Open only to majors in English.

Given in 1954-55 and in alternate years.

**English 219. Modern Poets.** Two credits.

An appreciation course in contemporary poetry; open to all students of junior standing who have taken any of the year survey courses in English: 109-110, 121-122, or 129-130.

Given in 1955-56 and in alternate years.

**English 220. Milton.** Three credits.

A study of Milton's poetry and some of his prose.

Given in 1954-55 and in alternate years.

**English 224. History of the English Language.** Three credits.

Standards of usage and pronunciation; development of the English vocabulary; the development of sounds, inflection, and syntax of the language; required of all majors and minors in English.

**English 228. Midwestern Literature.** Three credits.

A study of the contributions of prairie states, virgin forests, rivers and cities, farms, and industries—their history and life reflected in their literature.

Given in 1955-56 and in alternate years.

Prerequisites: History 115-116, and senior standing for English majors.

**English 250. Special Work.**

Upper class students majoring or minoring in English may, by agreement with their dean or director and a member of the English Department, arrange for special out-of-class work, for which credit may be allowed on the basis of one credit for each week, or its equivalent, devoted exclusively to a special project.

**FRENCH, Miss M. Davis**

A. A major in French consists of 24 credits beyond the first-year level, or 32 credits including French 101-102.

B. A minor in French consists of 16-18 credits.

The equivalent of one year's training in French must be completed before credit in French will count toward graduation.

**French 101. First Semester French.** Four credits.

For students with no previous training in the language; grammar, oral practice, reading.

**French 102. Second Semester French.** Four credits.

Continuation of French 101.

Prerequisite: French 101 or one year of high school French.

**French 103. Third Semester French.** Four credits.

Extensive and intensive reading; review of grammar and pronunciation.

Prerequisite: French 102 or two years of high school French.

**French 104. Fourth Semester French.** Four credits.

Continuation of French 103.

Prerequisite: French 103 or three years of high school French.

**French 211-212. French Literature and Civilization.** Each three credits.

Survey course: lectures, readings, reports.

Prerequisite: French 104 or equivalent.

**French 213-214. Composition and Conversation.** Each two credits.

Facility in French expression, oral and written.

Prerequisite: French 104 or equivalent.

**French 215-216. French Literature—Advanced Survey.** Each three credits.

Prerequisite: French 212-213 or equivalent.

**GENERAL SCIENCE**

The **General Science** major may be earned in either of two ways:

## A. 1. Two of the following sciences:

Biology 103-104

Chemistry 100a-100b, or 109a-109b

Geography 100a-100b

Physics 105-106

## 2. The courses numbered 150 in the other two sciences;

## 3. Ten credits elected from courses numbered over 200 in biology, chemistry, physics, Geography 204.

## OR B. This major will meet college and state certification requirements for one major and two minors.

## 1. Three of the following sciences:

Biology 103-104

Chemistry 100a-100b, or 109a-109b

Geography 100a-100b

Physics 105-106

## 2. The course numbered 150 in the other science;

## 3. Fifteen credits elected from courses numbered over 200 in biology, chemistry, physics, and Geography 204.

selected to give at least fifteen credits total in each of two of the science fields.

A **General Science** minor can be earned by a student who has at least 15 credits (a teaching minor) in biology, chemistry, or physics. The General Science minor will then consist of the courses numbered 150 in the other two, plus Geography 150.

**GEOGRAPHY, Mr. Specht, acting chairman; Mr. Anderson, Mr. Lewis**

A major in Geography requires a minimum of 29 credits.

A minor in Geography requires a minimum of 20 credits.

Basic courses in physical geography (Geography 100a and 100b, or 150) and human geography (Geography 102) will normally be followed by a selection of regional and topical courses. This selection should be made with some unifying objective.

**Geography 100a. Weather and Climate.** Five credits.

An interpretation of the elements of weather including earth and sun relationships, winds, humidity, and storms; an analysis of the Köppen classification of the climates of the world; three hours lecture, four hours laboratory per week.

Credit in this course can be used to meet the laboratory science requirements for a degree.

**Geography 100b. Physiography.** Five credits.

A descriptive interpretation of landforms, soil, and mineral resources; three hours lecture, four hours laboratory per week; field trips.

Credit in this course can be used to meet the laboratory science requirements for a degree.

**Geography 101. Elements of Geography.** Three credits.

A brief course in the elements of Geography designed to meet the needs of students preparing to teach in the grades or the rural schools, and of students who do not major or minor in Geography but who desire a background course in the field.

**Geography 102. Economic Geography.** Three credits.

A study of the production and distribution of the world's commodities of commerce—its foodstuffs, raw materials, manufactured goods, and trade.

**Geography 107. North America.** Three credits.

A study of the general geography of the different regions of Canada, and the United States with its possessions.

**Geography 110. South America.** Three credits.

General geography of South America.

**Geography 113. Wisconsin.** Two credits.

A study of the general geography of Wisconsin.

**Geography 150. Earth Science.** Five credits.

A study of factors of our natural environment; earth relationships, weather, landforms, and soil; three hours lecture, four hours laboratory per week; field trips.

For students not intending to major or minor in Geography.

**Geography 203. Africa.** Two credits.

General geography of Africa.

Offered in 1954-55 and in alternate years.

**Geography 204. Climatology.** Three credits.

The study of weather, and a description and interpretation of the climatic types of the world.

Prerequisite: Geography 100a-100b.

Offered in 1954-55 and in alternate years.

**Geography 206. Historical Geography of the United States.** Three credits.

A study of the influence of the geographic factors in the historical development of the United States.

**Geography 208. Asia.** Three credits.

A study of the general geography of Asia with a more intensive treatment of China, Japan, India, and Southwestern Asia.

**Geography 210. Industrial Geography.** Three credits.

A descriptive and explanatory treatment of the growth of industry in the nations of the world, with primary emphasis on northeastern United States, the industrial nations of northwest Europe and eastern Asia.

**Geography 211. Middle America.** Two credits.

General geography of Mexico, Central America, Panama, and the islands around the Caribbean Sea.

**Geography 212. Australia, the East Indies, and Islands of the Southwest Pacific.** Two credits.

A study of the general geography of the region.

**Geography 215. Urban Geography.** Two or three credits.

A systematic study of agglomerated settlements and their causes; individual cities, their population, land use and livelihood structures; the relations between cities and their adjacent regions.

**Geography 220. Europe.** Three credits.

A study of the geographic regions of Europe.

**Geography 250. Special Work.**

Upper class students in geography may, by agreement with their dean or director and a member of the Geography Department, arrange for special out-of-class work, for which credit may be allowed on the basis of one credit for each week, or its equivalent, devoted exclusively to a special project.

**HISTORY, Mr. Steiner, chairman; Mr. Crow, Miss Isaacson, Mr. Jenkins, Mr. Morrison, Mrs. Pfiffner****A. A major in History consists of at least 34 credits:**

1. History 111-112, 113-114, and 115-116.
2. A concentration of 12 credits in one of the following fields:
  - a. American History: History 204, 205, 216a, 216b, 218, 220, 222, 224, 227, 229, and 250.
  - b. World History: History 207, 209a, 209b, 210, 213, 214, 222, 235, 236, and 250.
3. Sufficient additional credits in History to total 34 or more.
4. It is recommended that students majoring in History take Geography 100a and 100b, Economics 103, and Political Science 102.

**B. A minor in History consists of the following:**

1. Any introductory course open to freshmen, and History 115-116.
2. A concentration of eight credits in either American History or World History as listed above.

- History 111. Modern European History.** Three credits.  
History of Europe from the sixteenth century to the nineteenth century.
- History 112. Modern European History.** Three credits.  
History of Europe in the nineteenth and twentieth centuries.
- History 113. Medieval History.** Three credits.  
History of Europe from the fourth century to the twelfth century.
- History 114. Medieval History.** Three credits.  
A continuation of History 113 to the sixteenth century.
- History 115. United States to 1865.** Three credits.  
Prerequisite: Sophomore standing.
- History 116. United States Since 1865.** Three credits.  
Prerequisite: History 115.
- History 204. Representative Americans.** Two credits.  
Prerequisite: History 115 and 116.
- History 205. Economic History of the United States.** Three credits.  
Prerequisite: History 115 and 116.
- History 207. The Renaissance.** Two credits.  
Special attention to the politics, the arts, the literature, and recovery of the classics during the fourteenth and fifteenth centuries.
- History 209a. History of Civilization.** Two credits.  
The nature of civilization, the development of the practical arts, the fine arts, of government and of human communication throughout the Middle Ages.
- History 209b. History of Civilization.** Two credits.  
Continuation of History 209a.
- History 210. The French Revolution.** Two credits.  
A study of the revolutionary period in Europe and the beginnings of our modern democratic ideals.

- History 213. History of Germany (1860 to date).** Two Credits.  
An analysis of Imperial and Republican Germany; also the National Socialist State and the period following World War II.
- History 214. Nineteenth and Twentieth Century Russia.** Two credits.  
Tsarist Russia: Its background, institutions, and problems; a survey of the Russian Revolution, the Soviet State, and Russia after World War II.
- History 216a. Constitutional History of the United States.** Two credits.  
Prerequisite: History 115 and 116.  
Same as Political Science 215a.
- History 216b. Constitutional History of the United States.** Two credits.  
Prerequisite: History 216a or consent of the instructor.  
Same as Political Science 215b.
- History 218. Colonial Era.** Two credits.  
History of the American Colonies to the American Revolution.  
Prerequisite: History 115 and 116.
- History 220. History of American Diplomacy Since 1881.** Three credits.  
A study of the relations of the United States with the rest of the world from 1881 to the present, the problems that have confronted us, the policies which we have adopted to solve them, and the conditions that have finally brought us to a dominant position in world affairs. Same as Political Science 211.
- History 222. History of Recent World Politics.** Three credits.  
A history of world affairs from 1914 to the present; a study of the social, military, and economic problems confronting world powers as well as problems of tolerance, security, and peace during the two world wars and the subsequent interims of peace; rationalization of world situations in the light of American points of view.
- History 224. Wisconsin.** Three credits.  
History of Wisconsin from 1634 to date.



**History 227. American Social and Intellectual History.**

Two or three credits.

The development of social and intellectual movements in the United States since the Civil War.

**History 229. Recent United States History.** Two or three credits.

History of the United States since 1920.

**History 235a. Tudor and Stuart England.** Two credits.

The beginnings of modern England, 1485-1714.

**History 235b. England, 1714 to the present.** Two credits.

Continuation of History 235a.

**History 250. Special Work.**

Upper class students majoring or minoring in History may, by agreement with their dean or director and a member of the History Department, arrange for special out-of-class work, for which credit may be allowed on the basis of one credit for each week, or its equivalent, devoted exclusively to a special project.

**HOME ECONOMICS, Miss Youmans, chairman; Miss D. Davis, Miss Wilson****A. A major in Home Economics includes:**

1. Home Economics 101, 121, 125, 128, 201-202, 215, 218, 229, 230, and 250.
2. Other required courses:  
Art 102, 106; Biology 104 or 150, 124; Chemistry 100a-100b or 109a or 150, 110; Physics 150; Sociology 210.
3. Education 235 is required for a major in vocational Home Economics.

**B. A minor in Home Economics requires a minimum of twenty credits distributed throughout all areas of Home Economics and subject to the approval of the chairman of the department.**

**Home Economics 101. Clothing Construction.** Three credits.

A study of personal and technical problems of clothing selection and construction, including use and care of sewing machines

and other sewing equipment, consideration of clothing care and repair. One hour lecture and four hours laboratory per week.

**Home Economics 121. Selection and Preparation of Food.**

Five credits.

A study of the selection, purchasing, and care of foods; fundamental principles of food preparation and preservation. Three hours lecture and four hours laboratory per week.

**Home Economics 125. Textiles.** Three credits.

The study of fibers, yarns, weaves, finishes and care of clothing and household fabrics.

**Home Economics 128. Housing.** Three credits.

Study of present day housing standards and conditions; home ownership, financing, house design for family needs, government housing.

**Home Economics 201. Clothing Selection, Design, and Construction.** Three credits.

Three units: (1) Making suitable clothing for children with emphasis on wise choice of design and fabric; (2) Design and construction of one problem illustrating fine hand sewing; (3) The girl's own wardrobe; a dress of sheer wool or similar medium. One hour lecture and four hours laboratory per week.

Prerequisite: Home Economics 101 and 125.

**Home Economics 202. Advanced Clothing.** Three credits.

Study of the complete costume; two or three units: (1) Renovation and alteration of garments; (2) Tailoring: A suit with blouse or a coat with dress; (3) Substitute or additional unit at the discretion of the instructor. One hour lecture, four hours laboratory per week.

Prerequisite: Home Economics 201.

**Home Economics 215. Meal Planning and Serving.** Three credits.

Advanced food preparation with emphasis on meal planning, management and table service; each student has experience in demonstration and guest meal techniques. One hour lecture, four hours laboratory per week.

Prerequisites: Home Economics 121, Chemistry 150.

**Home Economics 218. Family Health and Child Development.** Three credits.

Factors necessary to maintain family health, child growth and development including physical, emotional, and social growth of the child; positive approach to good mental health for the whole family.

**Home Economics 221. Nutrition.** Three credits.

A study of the dietary standards for individuals of different ages, sexes and occupations; the contributions which different foods make to body needs; the planning of balanced meals for the family on cost levels; and a brief introduction to planning diets for disorders in nutrition.

Prerequisites: Chemistry 110, Biology 124, Home Economics 121.

**Home Economics 226. Elementary Nutrition.** Three credits.

A course planned especially for students majoring in Primary or Elementary Education, including a study of the food needs of the individual and the foods which supply those needs, with special emphasis on the food needs of children.

**Home Economics 229. Family Finance.** Two credits.

Study of family incomes and budgets, standards of living, and consumer buying problems.

**Home Economics 230. Home Management.** Two credits.

Application of scientific principles of meal planning and preparation; selection, care, and use of household equipment with emphasis of human values of family members; includes residence in the Home Management House. Open to seniors and second semester juniors.

**Home Economics 250. Special Work.**

Upper class students majoring in Home Economics may, by agreement with their dean or director and a member of the Home Economics Department, arrange for special out-of-class work, for which credit may be allowed on the basis of one credit for each week, or its equivalent, devoted exclusively to a special project.

**LIBRARY SCIENCE, Mr. Kampenga, Miss Mason, Miss Ritchie****Library Science 101. Library Orientation.** One credit.

Lectures and problems designed to assist students in making the best use of the library resources of the college and to acquaint them with general library practices and essential reference materials as an aid to effective study.

**Library Science 202. Introduction to Reference.** Two credits.

A study of the materials of reference that are the basis of a library reference collection and service, and practice in their use as a source of information and an aid to study and teaching.

**Library Science 203. Introduction to Book Selection.** Two credits.

A basic study of the reading interests and study needs of people with particular emphasis on elementary and secondary school problems. Study and practice in the use of the book reviewing mediums, the book selection aids, basic bibliographies, and book trade guides essential to a library's acquisition of materials.

**Library Science 204. Introduction to the Cataloging and Classification of Books.** Three credits.

A study of the meaning, purpose, and value of cataloging and classification of library materials with particular emphasis on school library applications; ample laboratory practice in the technical and mechanical processes which are essential in making books more serviceable to readers.

**Library Science 205. The School Library.** Three credits.

The function of the library in the school, stressing the responsibilities of the library in carrying out the aims of the school program; problems of support, housing, standards of service, student service, practical care and repair of books.

**Library Science 210. Introductory Bibliography.** One credit.

Training in practical bibliography, and in making better use of the aid which libraries can give through printed bibliographies and a wider acquaintance with the materials of reference. The bibliographical forms used are those usually accepted by colleges and universities in standard student bibliographical usage. The training is designed to meet the methods expected to be within the prerequisite experience of graduate students. Com-

pletion of Library Science 101 is desirable but not essential to the requirements of this course.

**MATHEMATICS**, Mr. Nixon, chairman; Miss Bainter, Mr. Boylan

- A. A major in Mathematics comprises a minimum of 31 credits, including Mathematics 115 (or 117), 116 (or 118), 131, 132, and sufficient other courses in the department to complete the major.
- B. A minor in Mathematics requires 15 to 20 credits, including Mathematics 115 (or 117), 116 (or 118), and other courses, selected with the advice of the department, sufficient to complete the minor.

**Mathematics 108. Arithmetic.** Four credits.

A course of professionalized subject matter in arithmetic for teachers, together with modern methods for teaching this subject in the elementary grades.

Not to be counted toward a Mathematics major or minor.

**Mathematics 115. Algebra and Trigonometry.** Four credits.

For students presenting one unit of high school algebra for entrance; not to be taken for credit by students who have had one and one-half or two years of high school algebra; not open to students who are taking or who have taken Mathematics 117. This course or Mathematics 117 is a prerequisite to all other courses in Mathematics.

Prerequisite: One unit of high school algebra.

**Mathematics 116. Algebra and Analytic Geometry.** Four credits.

A continuation of Mathematics 115, for students presenting one unit of high school algebra for entrance.

Prerequisite: Mathematics 115.

**Mathematics 117. Algebra and Trigonometry.** Four credits.

For students presenting one and one-half units of high school algebra for entrance. This course or Mathematics 115 is a prerequisite to all other courses in Mathematics.

Prerequisite: One and one-half units of high school algebra.

**Mathematics 118. Algebra and Analytic Geometry.** Four credits.

A continuation of Mathematics 117, for students presenting

one and one-half units of high school algebra for entrance.

Prerequisite: Mathematics 117.

**Mathematics 120. Elementary Surveying.** Three credits.

Theory and practice in measuring distances; introduction to the use of level, transit, plane table, and compass; principles of land survey and map making; one lecture and six laboratory hours per week.

Not to be counted toward a Mathematics major or minor.

Prerequisite: Mathematics 115 or 117.

**Mathematics 123. Theory of Investment.** Four credits.

Simple and compound interest, equivalence, annuities, amortization, sinking funds, bonds, depreciation, life insurance.

Prerequisite: Mathematics 115 or 117.

**Mathematics 123S. Theory of Investment.** Three credits.

Similar to Mathematics 123, treating such topics as interest, annuities, amortization, bonds, depreciation, etc. It is shortened and designed for teachers and others who are interested in the application of mathematics to the field of elementary finance. Summer Sessions only.

Prerequisite: One semester of college algebra, or consent of instructor.

**Mathematics 131. Differential Calculus.** Four credits.

Derivatives of algebraic and transcendental functions, applications to problems of the physical sciences, maxima and minima, rates, curvature, motion, series, and an introduction to integration.

Prerequisite: Mathematics 116 or 118.

**Mathematics 132. Integral Calculus.** Four credits.

A continuation of Mathematics 131, including methods of integration, exact and approximate applications to lengths, areas, volumes, pressure, work, partial and total derivatives with applications to geometry and rate problems.

Prerequisite: Mathematics 131.

**Mathematics 150. Basic Mathematics.** Four credits.

A one-semester course designed to give the student a knowledge of the fundamental concepts and applications of mathematics; especially appropriate for those who have had little or no

mathematical training in high school. May be elected to satisfy the general requirement in mathematics, instead of Mathematics 115 or 117. Not open to student who have had one unit of high school algebra.

**Mathematics 205. Mathematics of Statistics.** Three credits.

Mathematical theory of the analysis of data; frequency distributions, averages, dispersion, reliability, probability, normal curve, moments, regression lines, index numbers, simple and multiple correlation, and curve fitting.

Prerequisite: Mathematics 116 or 118.

**Mathematics 206. Solid Mensuration and Spherical Trigonometry.** Three credits.

First twelve weeks: fundamentals of solid geometry in a new and comprehensive manner; last six weeks: practical essentials of spherical trigonometry.

Prerequisite: Mathematics 116 or 118.

**Mathematics 209. College Geometry.** Three credits.

Advanced topics in Euclidean geometry with emphasis on the postulational method, properties of the triangle, circle, inversion and recent geometry of the triangle; of special value to teachers of geometry.

Prerequisite: Mathematics 116 or 118.

**Mathematics 211. Advanced College Algebra.** Three credits.

Real and complex numbers, partial fractions, series, determinants, theory of equations, matrices and systems of linear equations.

Prerequisite: Mathematics 131 or 132, or concurrent registration.

**Mathematics 212. Advanced Analytic Geometry.** Three credits.

Advanced topics in plane analytic geometry and a treatment of solid analytic geometry.

Prerequisite: Mathematics 131 or 132, or concurrent registration.

**Mathematics 219. Advanced Calculus.** Three credits.

Advanced treatment of infinite series, partial derivatives, exact differentials, line, surface, and volume integrals, and generalized integrals.

Prerequisite: Mathematics 132.

**Mathematics 220. Differential Equations.** Three credits.

An introductory course treating ordinary differential equations of the first and second orders; linear equations with constant coefficients; solution in series; numerical approximations; and systems of ordinary equations, with certain applications.

Prerequisite: Mathematics 132.

**MUSIC, Mr. Michelsen, Mr. Knutzen, Miss Reilly**

The following organizations are open to all members of the student body, on either a credit or an extra-curricular basis: Concert Band, Concert Orchestra, Men's Glee Club, Women's Glee Club, College Chorus.

The department offers a minor in Music to high school graduates who have demonstrated talent in music, and who have carried on the study of an instrument or voice during their high school years.

A minor in vocal music requires 20 credits, and a minor in instrumental music requires 22 credits. Students earning minors in music are ordinarily expected to participate in band or orchestra for four years, or in choruses or glee clubs for four years.

**Music 103. Women's Glee Club.** One credit.

Open to all women students; membership by tryout; two hours per week.

**Music 104. Concert Orchestra.** One credit.

A civic organization sponsored by the college; ability to play an orchestra instrument well is required; membership by tryout; two-hour rehearsal once a week.

**Music 105. Rural School Music Techniques.** Two credits.

Essential elements of music theory, methods and materials; observation of music teaching in the classroom; teaching under supervision.

**Music 108a. Fundamentals of Baton Technique.** One credit.

Study of musical organizations, rehearsal procedures, and baton skills; practice in conducting small ensembles; two hours per week.

- Music 108b. Fundamentals of Baton Technique.** One credit.  
Study of background material, and score reading; two hours per week.  
Prerequisite: Music 108a.
- Music 109. Concert Band.** One credit.  
Open to all students by tryout; four hours per week.
- Music 110. Theory.** Two credits.  
Fundamentals of musicianship, ear-training, dictation, and sol-feggio; study of scales and intervals; required for primary and intermediate curricula; two hours per week.
- Music 111. Sight-Singing.** Two credits.  
A thorough analysis of correct voice production and sight-singing; two hours per week.
- Music 113. Men's Glee Club.** One credit.  
Open to all men students; membership by tryout; two hours per week.
- Music 114. College Chorus.** One credit.  
An organization open to the entire student body; membership by tryout; two hours per week.
- Music 117. Woodwind Instrument Instruction.** One credit.  
Study of the techniques of all reed instruments; ensemble playing; solo literature for these instruments.
- Music 118a. Appreciation and History of Music.** Two credits.  
A survey of the development of music, stressing the elements of musical understanding and intelligent listening; form and design in composition.
- Music 118b. Appreciation and History of Music.** Two credits.  
Study of composers and their representative compositions as related to the different periods.  
Prerequisite: Music 118a.
- Music 119. Brass Instrument Instruction.** One credit.  
Fundamentals of tone production; study of standard elementary text.

- Music 120. Elementary Harmony.** Two credits.  
Ear-training, dictation, melodic and rhythmic elements of part writing, chord building.  
Prerequisite: Music 110.
- Music 121a-121b. String Instrument Instruction.** Each one credit.  
Structure and function of all string instruments; performance of scales and simple melodies on each; techniques and materials used in beginning string classes and ensembles.
- Music 122. Applied Music.** One credit.  
One private lesson per week in piano, organ, or voice; fee: \$1.50 per lesson.
- Music 207a-207b. Fundamentals of Band Conducting.** Each one credit.  
Practice in conducting the band, and a study of interpretation; two hours per week.  
Prerequisite: Music 108a-108b.
- Music 208a-208b. Advanced Conducting (Instrumental).** Each one credit.  
Study of more difficult scores with emphasis on program making and directing the band in concert; two hours per week.  
Prerequisite: Music 207a-207b.
- Music 210. Primary and Intermediate Techniques.** Two credits.  
Theory and application of effective teaching skills in the primary and intermediate grades; aims and content of public school music in relation to general curriculum; classroom observation.  
Prerequisite: Music 110.
- Music 215a. Choral Conducting.** One credit.  
Baton techniques as applied to the problems of directing vocal groups; two hours per week.  
Prerequisite: Music 108a-108b.
- Music 215b. Choral Conducting.** One credit.  
Study of two-, three-, and four-part songs; preparation of programs and directing the chorus in concert; two hours per week.  
Prerequisite: Music 215a.

**Music 217. Advanced Woodwind Instrument Instruction.**

One credit.

Performance and ensemble playing; current literature for woodwinds.

Prerequisite: Music 117.

**Music 219. Advanced Brass Instrument Instruction.** One credit.

Performance and ensemble playing; study of solo literature for brass instruments.

Prerequisite: Music 119.

**Music 220. Intermediate Harmony.** Two credits.

Ear-training; recognition and keyboard application of I, IV, and V chords; cadences and inversion of triads; part writing.

Prerequisite: Music 120.

**Music 222. Applied Music.** One credit.

Continuation of Music 122, preparation for recital and concert appearance.

Prerequisite: Music 122, or consent of instructor.

**PHILOSOPHY AND PSYCHOLOGY, Mr. Harrer, Mr. Harris, Mr. Reppen**

A minor in Philosophy and Psychology consists of 16 credits taken in courses offered by the department.

**Philosophy 110a-110b. Elementary Logic.** Each three credits.

Problems and methods of better thinking; development of skill in detecting the more obvious logical errors. The positive aim of the course is improvement in the student's thinking.

Prerequisite: Sophomore standing or consent of the instructor.

**Philosophy 201. Introduction to Philosophy.** Three credits.

A course designed to help the student develop for himself his own working philosophy of life by introducing him to basic philosophical problems and opposing philosophical viewpoints.

**Philosophy 207. History of Philosophy.** Three credits.

A study of the development of Western philosophy from the time of the Greeks to the present.

Prerequisite: Philosophy 201, or consent of the instructor.

**Psychology 101. General Psychology.** Three credits.

An introductory survey course in the study of experience and behavior.

Prerequisite: Sophomore standing.

**Psychology 103. Psychology of Childhood.** Three credits.

Recent studies in childhood development; physical, mental, and social development of children; organized to meet the needs of primary and intermediate teachers.

Prerequisite: Psychology 101.

**Psychology 106. Psychology of Personality Adjustment.** Three credits.

A course designed to help the student understand his own behavior and the behavior of the child, dealing with the concept of integration, mental and emotional conflicts, behavior maladjustments, parent-child relationships, case study techniques, use of tests and inventories, personality theories, significance of adjustment for learning, marriage, vocation. The implications of mental hygiene for teaching are emphasized.

Prerequisite: Psychology 101.

**Psychology 107. Applied Psychology.** Three credits.

Application of psychology to business, professions, advertising, personnel, and a study of the instruments for discovering aptitudes and interests in vocational guidance.

Prerequisite: Psychology 101.

**Psychology 209. Social Psychology.** Three credits.

The process by which the human infant acquires the behavior characteristics which make him a socialized human being; typical emotional mechanisms, habits, language, and thought patterns in contemporary social life; problems of social maladjustment. Same as Sociology 207.

Prerequisite: Psychology 101.

**PHYSICAL EDUCATION, Miss Keyser in charge of women's physical education, Miss Moser, Mr. Quandt in charge of intercollegiate athletics, Mr. Roberts in charge of men's physical education**

General requirements: Physical Education 101, 102, 151, and 152 are required of all students for graduation. One credit is

given for each of these courses. Physical Education 163 may be taken in place of physical Education 152 by students in the primary, intermediate, and upper elementary curricula. Exemptions from these requirements may be granted by the Physical Education Department for certain reasons. A written statement of the exemption must be filed in the Record Office each semester; it will be recorded on the student's record sheet.

A minor in Physical Education is offered to both men and women and consists of 20 credits exclusive of Physical Education 101, 102, 151, and 152.

For men: The following courses are required: Physical Education 161, 171, 172, 186, and 279; Biology 155.

For women: The following courses are required: Physical Education 161, 181, 186, 283, 284, 285, and 289; Biology 155.

The remaining credits in Physical Education may be selected from the following courses:

For men: Physical Education 273, 274, 276, 278.

For men and women: Physical Education 163, 165, 250, 263, 287, 291, and 292.

Education 225 (Physical Education) is also required for a minor.

**Physical Education 101M-102M. General Physical Education (Men).** Each one credit.

Practice in fundamental skills of seasonal sports. Required of all freshman men; two hours per week.

**Physical Education 101W-102W. General Physical Education (Women).** Each one credit.

Seasonal sports: volleyball, speedball, basketball, rhythm and dance, softball, and tennis. Required of all freshman women; two hours per week.

**Physical Education 151M-152M. General Physical Education (Men).** Each one credit.

Practice in fundamental skills of seasonal sports. Required of all sophomore men; two hours per week.

**Physical Education 151W-152W. General Physical Education (Women).** Each one credit.

Individual sports: archery, tennis, badminton, bowling, swimming, skiing, golf, and others. 151W is required of all sophomore women; 152W is required of sophomore women in the Secondary Division and in the College of Letters and Science. Two hours per week.

**Physical Education 161. Human Anatomy.** Three credits.

A study of the skeletal, muscular, circulatory, respiratory, and nervous systems of the human body; designed for physical education minors.

**Physical Education 163. Physical Education in the Elementary School.** Two credits.

Materials in physical education for the elementary school; arrangement and adaptation of play and developmental activities of the elementary level; required of all students in primary, and intermediate and upper elementary divisions.

**Physical Education 165. Camp Leadership.** Two credits.

Theory and practice in camp craft, problems of cabin living, counselor training, waterfront laboratory, nature study, handicrafts and special projects. Field trips and supplementary reading.

**Physical Education 171. Physical Education Theory and Practice.** Two credits.

Participation in the conduct of the varied activities included in a broad program of physical education, including tactics, calisthenics, and body building, apparatus, tumbling, combatives and games of low and high organization; four hours per week.

**Physical Education 172. Physical Education Theory and Practice.** Two credits.

Participation in and theory of conducting physical education activities, gymnastics, individual, dual and team sports; continuation of Physical Education 171; four hours per week.

**Physical Education 181. Individual and Dual Sports.** One credit.

A study of history, techniques, teaching methods, and rules of individual sports, such as archery, tennis, badminton, bowling,

skiing, golf, swimming and others; lecture and practical experience; two hours per week.

**Physical Education 186. Rhythmical Activities. Two credits.**

An orientation in the field of rhythms; theory and practice in teaching folk, square, and social dancing; leadership experience.

**Physical Education 215. Officiating. Two credits.**

A study of rules and officiating techniques, and practical experience required in officiating basketball, football, and other major interscholastic sports; WIAA rule books and test used.

Prerequisite: Junior or senior standing, or consent of instructor.

**Physical Education 250. Special Work.**

Upper class students minoring in Physical Education may, by agreement with their dean or director and a member of the Physical Education Department, arrange for special out-of-class work, for which credit may be allowed on the basis of one credit for each week, or its equivalent, devoted exclusively to a special project.

**Physical Education 263. Physiology of Exercise. Two credits.**

The effects of exercises of speed, strength, skill, and endurance; a study of the nature of muscular behavior, fatigue, breathlessness, and exhaustion; effects of exercise with respect to age, sex, and occupation.

Offered in 1954-55, and in alternate years.

**Physical Education 273. Theory of Football. One credit.**

Mechanics of fundamentals; technique of position play; analysis of various styles of offense and defense, strategy, conditioning, and coaching methods.

Offered in 1954-55, and in alternate years.

**Physical Education 274. Theory of Basketball. One credit.**

Technique of fundamentals; analysis of various styles of offense and defense; coaching methods including practice drills involving the use of fundamentals and elements of team play; conditioning.

Offered in 1954-55, and in alternate years.

**Physical Education 276. Theory of Track. One credit.**

Technique of various track and field events; training schedules

for the various events; track strategy; conducting meets; coaching methods and conditioning.

Offered in 1955-56, and in alternate years.

**Physical Education 278. Theory of Minor Sports. One credit.**

Theory and technique of teaching baseball, wrestling, volleyball, boxing, and other seasonal minor sports.

Offered in 1955-56, and in alternate years.

**Physical Education 279. First Aid and Athletic Training.**

Two or three credits.

Causes, treatment, and prevention of injuries common to athletic activities; taping, bandaging, and discussion of such topics as fatigue, over-training, and second wind. First Aid portion of course will follow the Red Cross pattern and will include other first aid practices. (Two credits for those taking First Aid portion of the course, and three credits for men taking athletic training in addition to first aid.)

**Physical Education 283. Theory and Practice of Team Sports I.**

Two credits.

A study of individual skill techniques, team tactics and formation plays, teaching methods, rules and officiating duties in teaching soccer, speedball, and field hockey; review of lead-up games for each team sport.

Prerequisites: Physical Education 101, 102, 151, 152.

**Physical Education 284. Theory and Practice of Team Sports II.**

Two credits.

A study of fundamental techniques, individual and team tactics, methods of coaching, practice drills, rules and technique in officiating basketball, volleyball, and softball; review of lead-up games for each team sport.

Prerequisites: Physical Education 101, 102, 151, 152.

**Physical Education 285. Theory and Practice of Body-Building and Self-Testing Activities. Two credits.**

Theory and technique of teaching stunts, tumbling, conditioning exercises, and posture activities; a survey of test and measurement procedures.

**Physical Education 287. Folk, Square, and Social Dancing.**

Two credits.

Advanced folk dancing, square dance calling; advanced social



dance and study of modern dance; leadership experience and study of source materials.

Prerequisite: Physical Education 186, or consent of instructor.

**Physical Education 289. Safety Procedures and First Aid.**

One credit.

Discussion of possible injuries and American Red Cross First Aid training with certificate issued on completion of course.

**Physical Education 291. Recreational Leadership.** Two credits.

A study of the psychology of play and recreation; various phases of recreational activities discussed with lectures and practical experience in arts and crafts, nature study, dramatics, rhythms and music, sports and games.

Offered in 1955-56, and in alternate years.

**Physical Education 292. Group Games and Social Recreation.**

Two credits.

A study of quiet games, singing and folk games, and games of low organization suitable for home, school, and community recreation; supplementary course to Physical Education 291.

**PHYSICS, Mr. Rightsell, chairman; Miss Bainter**

A minor in Physics consists of 16 credits, including Physics 105 and 106. The remaining credits may be selected from Physics 206, 207, or Astronomy 101.

**Physics 105. General Physics.** Five credits.

A course in general college physics covering mechanics, sound, heat, light, electricity, and magnetism; lectures, recitation, and laboratory.

**Physics 106. General Physics.** Five credits.

A continuation of Physics 105; lectures, recitation, and laboratory.

Prerequisite: Physics 105.

**Physics 150. Introduction to Physics.** Five credits.

The fundamental principles of physics with illustrations drawn from applications in the home; designed for students in Home Economics and in the Divisions of Primary and Intermediate Education.

**Physics 206. Radio Physics.** Three credits.

The elementary and more advanced principles of radio communication; lectures, recitation, and laboratory.

Prerequisite: Physics 106.

**Physics 207. Advanced Optics.** Three credits.

A review of light as given in general physics and a study of the more advanced principles of optics; lectures, recitation, and laboratory.

Prerequisite: Physics 106.

**Physics 250. Special Work.**

Upper class students minoring in Physics may, by agreement with their dean or director and a member of the Physics Department, arrange for special out-of-class work, for which credit may be allowed on the basis of one credit for each week, or its equivalent, devoted exclusively to a special project.

**POLITICAL SCIENCE, Mr. Jenkins, Mr. Morrison, Mr. Reppen, Mr. Steiner**

A minor in Political Science shall consist of 20 credits in the field, including Political Science 102, 205, and 14 additional credits.

**Political Science 102. American Government and Politics.** Three credits.

The nature and functions of governments; foundations and machinery of American national, state and local governments; the practical operation of politics.

**Political Science 205. Comparative Governments.** Three credits.

A comparative study of selected contemporary European governments.

Prerequisite: Political Science 102.

**Political Science 207. State Governments.** Three credits.

Origin and functioning of the state governments with special emphasis on Wisconsin.

Prerequisite: Political Science 102.

**Political Science 209. Municipal and Local Governments.**

Three credits.

Organization and politics of municipal and local governments.

Prerequisite: Political Science 102.

**Political Science 211. International Relations.** Three credits.An introduction to international relations and diplomacy.  
Same as History 220.

Prerequisite: Political Science 102.

**Political Science 215a. Constitutional Development I.**

Two credits.

Origin and sources of constitutions with special emphasis on the United States constitution. Same as History 216a.

Prerequisite: Political Science 102.

**Political Science 215b. Constitutional Development II.**

Two credits.

Continuation of Political Science 215a. The American constitution in practice. Same as history 216b.

Prerequisite: Political Science 215a.

**Political Science 217. Political Parties and Public Opinion.**

Three credits.

A description and critical examination of the party process in the United States.

**PSYCHOLOGY**

See PHILOSOPHY AND PSYCHOLOGY.

**SOCIAL SCIENCE**

A minor in Social Science consists of Sociology 206, Political Science 102, Economics 103 and 104, and enough additional credits in Sociology, Political Science, and Economics to total 16.

If Economics 103 and 104 are used to satisfy the requirements for a minor in Social Science, they may not be counted toward a minor in Economics.

It is recommended that Sociology 210 and History 209 accompany the minor in Social Science.

**SOCIAL STUDIES**

The Social Studies include Economics, Geography, History, Political Science, and Sociology.

The State Department of Public Instruction will not give a certificate to teach any of the Social Studies unless the candidate for certification has had adequate preparation in conservation and cooperative marketing. The Department of Social Studies interprets this requirement to mean that the candidate must have courses in both conservation and cooperative marketing as offered at Central State.

It is recommended that any student majoring in any of the Social Studies should also select his two minors from this field.

**SOCIOLOGY, Mr. Reppen, Miss Roach, Miss Youmans****Sociology 105. Rural Society.**

Four credits.

A study of rural life with emphasis on social groups; consideration of broad economic problems in rural society; cooperative marketing.

**Sociology 206. Introductory Sociology.**

Three credits.

Genesis and development of social relations and institutions; the relation of geography, biology, and psychology to human society.

**Sociology 207. Social Psychology.**

Three credits.

The process by which the human infant acquires the behavior characteristics which make him a socialized human being; typical emotional mechanisms, habits, language, and thought patterns in contemporary social life; problems of social maladjustment. Same as Psychology 209.

Prerequisite: Psychology 101 or Sociology 206.

**Sociology 210. Social Problems of the Home and Family.**

Two credits.

A brief historical survey of the evolution of the family; a study of some of the present problems of family life to try to determine the factors necessary for successful happy family relationships.

**SPEECH, Mr. Burroughs, Miss Isaacson, Mr. Lewis**

A minor in speech consists of 16 credits, including Speech 100, 101, and 102. Speech 100 is prerequisite for all other courses in Speech.

**Speech 100. Introductory Speech. Two credits.**

A general course in speech which helps develop courage, poise, resourcefulness, and self-mastery. Prerequisite for all courses in Speech.

**Speech 101. Speech Fundamentals. Three credits.**

A course designed to improve vocal conditions for all speech arts and to consider expressive action as related to personal and public speaking and acting.

**Speech 102. Speech Fundamentals. Three credits.**

Theory and practice for all public school forensic and dramatic activities; recommended for prospective teachers.

**Speech 211. Interpretive Reading. Three credits.**

Principles and techniques of oral interpretation to classic forms of literature; choral reading.

Given in 1955-56 and in alternate years.

**Speech 212. Public Speaking. Three credits.**

A study of speech composition with emphasis on theory of style, models of speech composition, and practice in writing.

Given in 1954-55 and in alternate years.

**Speech 215. Introductory Dramatic Production. Three credits.**

Elementary principles and practice in play production.

**Speech 216. Advanced Dramatic Production. Three credits.**

A continuation of Speech 215; workshop projects in scenic construction, lighting, costuming, make-up, and student directing. Prerequisite: Speech 215 or special recommendation.

**Speech 226. Dramatics, Forensics, and Radio. Credit as arranged.**

To earn credit in dramatics, forensics, or radio, students must represent the school in dramatics, forensics, or sustained radio programs. Students are encouraged to select one of these activities as a major interest and one as a minor interest.

**FACULTY**

The date in parentheses indicates first year on staff.

- WILLIAM C. HANSEN, President (1940)  
Graduate, Stevens Point State Normal School; B.S., M.S., University of Wisconsin.
- ROBERT T. ANDERSON, Geography (1953)  
B. S., Wisconsin State College, Eau Claire; M. S., University of Wisconsin.
- MONICA E. BAINTEK, Physics and Mathematics (1947)  
A.B., College of St. Teresa; M.A., University of Minnesota.
- ALICE K. BLODGETT, English (1947)  
(Part-time)  
B.A., Lawrence College.
- KENNETH W. BOYLAN, Mathematics (1947)  
Graduate, Stevens Point State Normal School; B.S., M.A., University of Minnesota.
- LELAND M. BURROUGHS, English and Speech (1920)  
A.B., Wabash College; Graduate, King's College of Oratory, Pittsburgh; M.A., University of Michigan.
- EDNA CARLSTEN, Art (1923)  
B.A.E., Chicago Art Institute.
- FRANK W. CROW, History (1947)  
A.B., B.S., Northwest Missouri State Teachers College; Ph.M., Ph.D., University of Wisconsin.
- EDITH P. CUTNAW, Junior High School Supervisor (1939)  
Graduate, Oshkosh State Normal School; Ph.B., Ripon College; Ph.M., University of Wisconsin.
- DORIS V. DAVIS, Home Economics (1952)  
A.B., Indiana University; M.S., University of Wisconsin.
- MILDRED DAVIS, French (1928)  
A.B., M.A., State University of Iowa.

- LEAH L. DIEHL, Fourth Grade Supervisor (1923)  
Graduate, Milwaukee State Normal School; Ph.B., M.A.,  
University of Chicago.
- QUINCY DOUDNA, Dean of Administration; Director, Elementary Education Divisions (1945)  
B.A., Carroll College; M.A., Ph.D., University of Wisconsin.
- BURDETTE W. EAGON, Sixth Grade Supervisor (1950)  
B.S., Oshkosh State Teachers College; M.S., University of Wisconsin. (On leave for graduate study.)
- AROL C. EPPLE, Biology (1946)  
B.S., M.S., University of Wisconsin.
- GILBERT W. FAUST, Chemistry (1935)  
B.S., M.S., University of Wisconsin.
- BERTHA GLENNON, English (1940)  
Graduate, Stevens Point State Normal School; B.A., M.A.,  
University of Wisconsin.
- RAYMOND E. GOTHAM, Director, Training and Placement (1946)  
Graduate, Superior State Teachers College; B.S., Ph.M.,  
Ph.D., University of Wisconsin.
- ALICE F. HANSEN, Fifth Grade Supervisor (1950)  
B.E., Whitewater State Teachers College; M.S., University of Wisconsin.
- ALF W. HARRER, Psychology and Education (1952)  
B.S., Ph.D., University of Wisconsin.
- ALBERT E. HARRIS, Education, Psychology, and Philosophy (1941)  
B.E., La Crosse State Teachers College; Ph.M., University of Wisconsin.
- PAULINE ISAACSON, History and Speech (1946)  
B.E., River Falls State Teachers College; M.A., University of Wisconsin.
- WARREN G. JENKINS, Dean of the College of Letters and Science; History (1934)  
A.B., Miami University; M.A., Ph.D., University of Wisconsin.

- DOROTHY KAMPENGA, Training School Library (Part-time)  
Graduate, Western Michigan College of Education; A.B.,  
University of Michigan.
- NELIS R. KAMPENGA, Librarian (1941)  
A.B.L.S., A.M.L.S., University of Michigan.
- LULU O. KELLOGG, Junior High School Supervisor (1953)  
B.E., Central State Teachers College; M.A., University of Chicago.
- VIVIAN A. KELLOGG, Sixth Grade Supervisor (1953)  
B.E., Central State Teachers College; M.A., Northwestern University.
- MARJORIE S. KERST, Rural Demonstration School Supervisor (1948)  
Graduate, Winona State Teachers College; B.E., Central State Teachers College; M.S., University of Wisconsin.
- JESSIEMAE KEYSER, Women's Physical Education (1951)  
B.A., Muskingum College, New Concord, Ohio; M.S., University of Wisconsin.
- NORMAN E. KNUTZEN, English and Music (1931)  
Graduate, Stevens Point State Normal School; A.B., M.A.,  
Lawrence College.
- ROBERT S. LEWIS, Associate Director, Intermediate and Upper Elementary Education; Geography and Education (1942)  
B.A., B.S., M.A., University of Wisconsin.
- ARTHUR S. LYNESS, Biology (1934)  
B.S., Kansas State Teachers College; M.S., Ph.D., University of Iowa.
- SYBLE E. MASON, Assistant Librarian (1930)  
B.E., Central State Teacher College; Diploma, University of Wisconsin Library School; M.S., University of Illinois.
- PETER J. MICHELSEN, Music (1931)  
Graduate of the Seminary, the Military School of Music, and the Music Conservatory, Oslo, Norway; Graduate, VanderCook School of Music, Chicago.

- CLIFFORD A. MORRISON, History (1953)  
B.S. in Ed., M.A., Ph.D., Ohio State University.
- MIRIAM MOSER, Women's Physical Education (1946)  
B.S., La Crosse State Teachers College; M.S., University of Wisconsin.
- O. FLOYD NIXON, Mathematics (1937)  
A.B., Indiana University; M.A., University of Chicago;  
Ph.D., Ohio State University.
- ELIZABETH PFIFFNER, Dean of Women; History (1940)  
Graduate, Stevens Point State Normal School; B.E., Central State Teachers College; Ph.M., University of Wisconsin.
- BURTON R. PIERCE, Principal of the Junior High School (1923)  
Graduate, Stevens Point State Normal School; Ph.B., Ripon College; M.A., University of Iowa.
- EDGAR F. PIERSON, Biology (1938)  
B.S., Iowa Wesleyan College; M.S., Ph.D., University of Iowa.
- HALE F. QUANDT, Director of Intercollegiate Athletics; Coaching and Physical Education (1947)  
Graduate, River Falls State Normal School; B.A., University of Iowa; M.A., University of Michigan.
- PHYLLIS RAVEY, Kindergarten Supervisor (1952)  
B.E., Wisconsin State College, Stevens Point.
- PATRICIA M. REILLY, Music (1953)  
B.S., Milwaukee State Teachers College; M.A., Columbia University.
- NELS O. REPPEN, Education and Social Studies (1932)  
A.B., M.A., Ph.D., University of Wisconsin.
- RAYMOND M. RIGHTSELL, Director, Secondary Education; Physics (1920)  
A.B., Indiana State Normal College; M.A., University of Cincinnati.
- MARGARET RITCHIE, Assistant Librarian (1944)  
B.A., Carlton College; B.S.L.S., M.S.L.S., University of Illinois.

- MAY M. ROACH, Associate Director, Rural Education (1914)  
Graduate, Stevens Point State Normal School; B.S., University of Minnesota.
- JOHN E. ROBERTS, Coaching and Physical Education; Dean of Men (1951)  
B.S., M.A., University of Wisconsin.
- HENRY M. RUNKE, Art (1953)  
B.S., M.S. in Art Education, University of Wisconsin.
- MARY S. SAMTER, First Grade Supervisor (1943)  
Graduate, Central State Teachers College; B.E., Western Illinois State Teachers College; M.A., University of Iowa.
- FRED J. SCHMEECKLE, Conservation (1923)  
B.S., A.B., State Teachers College, Kearney, Nebraska; M.S., University of Minnesota.
- MARY ELIZABETH SMITH, Associate Director of Primary Education; English (1950)  
A.B., Yankton College; M.A., University of Minnesota;  
Ph.D., University of Iowa.
- ELLEN L. SPECH, (Part-time) College News Service; English (1951)  
B.S., Oshkosh State Teachers College.
- RAYMOND E. SPECHT, Geography (1947)  
B.S., Oshkosh State Teachers College; M.A., Clark University.
- HERBERT R. STEINER, History (1918)  
Graduate, Stevens Point State Normal School; Ph.B., Ph.M., University of Wisconsin.
- WALTER R. SYLVESTER, Conservation and Biology (1947)  
B.S.F., University of Michigan; M.S., Pennsylvania State College; Ph.D., University of Michigan.
- ROLAND A. TRYTTEN, Chemistry (1945)  
B.A., St. Olaf College; Ph.D., University of Wisconsin.
- GLADYS VAN ARSDALE, Third Grade Supervisor (1934)  
B.A., Iowa State Teachers College; M.A., Columbia University.

BERNARD F. WIEVEL, Biology and Conservation (1947)  
B.E., Platteville State Teachers College; M.S., Ph.D., Iowa State College.

MILDREDE L. WILLIAMS, Second Grade Supervisor (1940)  
B.A., Iowa State Teachers College; M.A., Columbia University.

EMILY WILSON, Home Economics (1921)  
B.S., Kansas State Teachers College; Ph.B., University of Chicago; M.S., Kansas State College.

CECILIA WINKLER, Rural Training School Supervisor (1951)  
B.E., Central State Teachers College.

RITA L. YOUMANS, Home Economics (1952)  
B.S., in Ed., Central Missouri State College; M.S., Kansas State Agricultural College.

## BOARD OF REGENTS

Harold G. Andersen.....Whitewater  
Barney B. Barstow.....Superior  
Wilson S. Delzell.....Stevens Point  
Mrs. Robert C. Eby.....Madison  
Herman T. Hagestad.....River Falls  
Elton S. Karrmann.....Platteville  
Lewis C. Magnusen.....Oshkosh  
W. D. McIntyre, *President*.....Eau Claire  
Eugene R. McPhee, *Director and Secretary*.....Madison  
Eugene Murphy.....La Crosse  
Mrs. Avery Sherry.....Milwaukee  
George E. Watson.....Madison

## ADMINISTRATIVE STAFF

William C. Hansen.....President  
Sidone Andersen.....Secretary, Record Office  
Agnes Cychosz.....Secretary, Main Office and Training School  
Quincy Doudna.....Dean of Administration; Director,  
Elementary Education Divisions  
Gilbert W. Faust.....Registrar  
Raymond E. Gotham.....Director, Training and Placement  
Warren G. Jenkins....Dean of the College of Letters and Science  
Jean Jones.....Secretary, Main Office  
Grace Maslowski....Secretary, Main Office and Training School  
Jean Meshak.....Secretary, Record Office  
Grace Pehoski.....Secretary to the President  
Elizabeth Piffner.....Dean of Women  
Raymond M. Rightsell....Director, Secondary Education Division  
John E. Roberts.....Dean of Men  
Carolyn G. Rolfson.....Administrative Assistant  
Marie Swallow.....Secretary, Training School

## HEALTH SERVICE

Dr. Henry A. Anderson.....Physician for the College  
Mary Neuberger.....College Nurse

## RESIDENCE HALLS

Margaret Angel.....Director  
Edna Elstad.....Assistant Director, Nelson Hall  
Raymond E. Specht.....Resident Director, Delzell Hall

**FACULTY MEMBERS EMERITUS**

With dates of service.

BESSIE MAY ALLEN (1913-1952)  
 CHARLES C. EVANS (1920-1946)  
 GERTIE L. HANSON (1920-1953)  
 FRANK S. HYER, President (1930-1938)  
 HELEN MESTON (1920-1952)  
 OSCAR W. NEALE (1915-1944)  
 VICTOR E. THOMPSON (1918-1947)  
 CHARLES F. WATSON (1913-1946)

**MAINTENANCE AND ENGINEERING STAFF**

Art Belmore.....Maintenance Man I  
 Lawrence Davis.....Maintenance Man II  
 William H. Epright.....Fireman  
 Jakim Gurhold.....Fireman  
 Myron Haase.....Building Maintenance Helper II  
 Charles Kucera.....Building Maintenance Helper II  
 Frank Mansavage.....Building Maintenance Helper II  
 Edward H. McLaughlin.....Fireman  
 Richard Moyer.....Supervisor of Building Maintenance I  
 Victor Okray.....Maintenance Man I  
 Regina A. Przybylski.....Building Maintenance Helper I  
 John Rasmussen.....Building Maintenance Helper II  
 Adam Rybicki.....Fireman  
 Vernon R. Spence.....Building Maintenance Helper II

**PRESIDENT'S COMMITTEES**

1. ADMINISTRATION:  
The Directors, the Deans, and the Registrar.
2. ATHLETIC:  
Mr. Pierson, chairman; Mr. Crow, Mr. Quandt, Mr. Schmeeckle.
3. CALENDAR:  
Mrs. Pfiffner, chairman; Mr. Burroughs, Mr. Gotham, Mr. Lewis, Mr. Michelsen, Mr. Quandt.
4. HOUSING:  
Mrs. Pfiffner, chairman; Mrs. Angel, Mr. Quandt, Mr. Roberts, Mr. Specht.

5. PUBLIC RELATIONS:  
Mr. Gotham, chairman; Mr. Doudna, Mr. Knutzen, Mr. Michelsen, Mr. Rightsell, Mr. Schmeeckle.
6. RADIO:  
Mr. Lewis, chairman; Mr. Burroughs, Miss Isaacson, Mr. Knutzen, Mr. Michelsen, Mr. Pierce, Miss Swallow.
7. RECOMMENDATIONS AND PLACEMENT:  
Mr. Gotham, chairman; Mr. Doudna, Mr. Michelsen, Mr. Rightsell, Mr. Schmeeckle, Miss Youmans.
8. STUDENT ACTIVITY FUND:  
Mr. Pierce, chairman; Mr. Boylan, secretary-treasurer; Mr. Doudna, Miss Mason, Mrs. Pfiffner.
9. STUDENT UNION:  
Mrs. Pfiffner, chairman; Mr. Faust, Mr. Roberts, Mr. Specht.

**PRESIDENT'S ADMINISTRATIVE APPOINTMENTS**

1. ATHLETIC CONFERENCE REPRESENTATIVE:  
Mr. Pierson.
2. CATALOG EDITOR:  
Mr. Faust.
3. CLASS ADVISERS:  

Senior Class: Miss Isaacson (permanent); Mr. Lewis, 1954-55; Mr. Pierson, 1955-56; Mr. Crow, 1956-1957.

Junior Class: Miss Bainter (permanent); Mr. Pierson, 1954-55; Mr. Crow, 1955-56; Mr. Trytten, 1956-57.

Sophomore Class: Miss M. Davis (permanent); Mr. Crow, 1954-55; Mr. Trytten, 1955-56; Mr. Lewis, 1956-57.

Freshman Class: Mrs. Pfiffner (permanent); Mr. Trytten, 1954-55; Mr. Lewis, 1955-56; Mr. Pierson, 1956-57.

4. CHAIRMEN OF MAJOR DEPARTMENTS:
  - Conservation: Mr. Schmeeckle.
  - Education: Mr. Reppen.
  - English: Mr. Burroughs.
  - French: Miss M. Davis.
  - Home Economics: Miss Youmans.
  - Mathematics: Mr. Nixon.
  - Science: Mr. Pierson.
    - Biology: Mr. Pierson.
    - Chemistry: Mr. Trytten.
    - Physics: Mr. Rightsell.
  - Social Studies: Mr. Steiner.
    - Geography: Mr. Specht, acting.
    - History: Mr. Steiner.
5. DIRECTOR OF EXTENSION COURSES:
  - Mr. Doudna.
6. DIRECTOR OF SUMMER SESSIONS:
  - Mr. Doudna.
7. STUDENT COUNCIL ADVISER:
  - Mr. Trytten.
8. STUDENT PUBLICATIONS:
  - The Iris: Mr. Morrison, Adviser.
  - The Pointer: Mr. Anderson, Business Adviser.  
Miss Glennon, Editorial Adviser.
  - Technical Advisers: Miss Carlsten, Art.  
Mr. Specht, Photography.
9. STUDENT EMPLOYMENT:
  - The Dean of Men and the Dean of Women.
10. STUDENT LOANS:
  - Mr. Pierce.
11. STUDENT SCHOLARSHIPS:
  - Mr. Doudna, Mr. Jenkins.
12. VISUAL AIDS:
  - Mr. Lewis.

## FACULTY OFFICERS

CHAIRMAN: Mr. Knutzen.  
 SECRETARY: Miss Mason.  
 TREASURER: Miss Bainter.  
 MEMBER OF EXECUTIVE BOARD: Mr. Crow.

## FACULTY STANDING COMMITTEES

ALUMNI: Mrs. Kerst, chairman; Miss Glennon, Miss L. Kellogg, Miss V. Kellogg, Miss Mason, Mrs. Pffner, Mr. Pierce, Miss Ravey.

ASSEMBLY: Miss Isaacson, chairman; Mr. Harrer, Mr. Lewis, Mr. Runke, Miss Winkler.

AUDITING: Miss Wilson, chairman; Mr. Boylan, and adviser of organization whose account is being audited.

BUS: Mr. Schmeeckle, chairman; Mr. Epple, Mr. Rightsell, Mr. Specht.

COMMENCEMENT: Mr. Faust, chairman; Miss Carlsten, Mr. Lewis, Mr. Michelsen.

CURRICULUM: Mr. Jenkins, chairman; Mr. Hansen, Mr. Boylan, Mr. Doudna, Mr. Faust, Mr. Gotham, Mr. Reppen, Mr. Rightsell, Mrs. Samter, Mr. Schmeeckle, Miss Smith.

FORENSICS: Mr. Burroughs, chairman; Mrs. Cutnaw, Miss Isaacson, Mr. Lewis.

LIBRARY: Mr. Kampenga, chairman; Mr. Crow, Miss Glennon, Mr. Harris, Mr. Jenkins, Mr. Rightsell, Miss Smith, Mrs. Williams.

RESOLUTIONS: Miss Ritchie, chairman; Miss M. Davis, Miss Diehl, Mr. Nixon.

SOCIAL: Miss Moser, chairman; Miss D. Davis, Mr. Doudna, Mr. Morrison, Mrs. Pffner, Mr. Roberts, Mr. Sylvester, Miss Van Arsdale.



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