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**BULLETIN**  
**Western State Teachers College**  
**KALAMAZOO, MICHIGAN**

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**DETAILS**  
*of*  
**CURRICULA**



Published Quarterly by Western State Teachers College

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**DETAILS**  
*of*  
**CURRICULA**



**KALAMAZOO, MICHIGAN**  
**1939 - 1940**

## **DETAILS OF CURRICULA OFFERED AT WESTERN STATE TEACHERS COLLEGE**

### **PURPOSE AND CONTROL OF MICHIGAN STATE TEACHERS COLLEGES**

The Constitution of the State of Michigan [Act XI, Sec. 10] places the State Teachers Colleges under the authority of the State Board of Education subject to such regulations as may be prescribed by the Legislature. In 1903 [Public Act 203] the Legislature decreed: "The State Board of Education is hereby authorized and required to prescribe the courses of study for students, to grant such diplomas and degrees and issue such licenses and certificates to the graduates of the several normal schools of the state as said State Board of Education shall determine."

From time to time the Legislature has also defined the objectives and scope of work of the Teachers Colleges. It has repeatedly declared that the purpose of these institutions "shall be the instruction of persons in the art of teaching and in all the various branches pertaining to the public schools of the state of Michigan" [Act 139, P. A. 1850; Act 192, P. A. 1889; Act 51, P. A. 1889].

"In the course of a century the public school system has developed from the meagre rudiments which satisfied a frontier society to the enlarged and complex organization which attempts to meet the needs of a day which faces the solution of social, political, and economic problems of fundamental significance. Only honest, intelligent, and well-informed citizens can cope with such problems, and such citizens it is the first duty of our public schools to produce. Only honest, intelligent, well-educated, and devoted teachers are adequate to meet these enlarged duties and responsibilities—the day of the mere school-keeper is gone. The problem of training such teachers has increased in scope and complexity, but to meet these problems the State Board of Education and the faculties of the teachers colleges have constantly applied themselves, keeping in mind always the two purposes which, since the founding of the State, have been sustained not only by legislative authority, but which have the sanction of all educational experience as well. Hence the Michigan State Teachers Colleges have always stood and do now stand for two things paramount and inseparable in an institution for the training of teachers:

1. A thorough grounding in such fields of study as may lead to the intellectual growth of the student.
2. A thorough grounding in the science and art of teaching attained by sufficient actual teaching under direction.

### **Objectives and General Scope of Curricula**

A. "The program of study outlined for the first and second years in the curricula of the Michigan State Teachers Colleges is organized to serve, among others, the following purposes:

1. To provide the student with essential factual information; to give him an introduction to methods of thought and work and to provide such opportunities for study and growth as may lead to a well-rounded general education.
2. To prepare the student for undertaking the more advanced and specialized work embraced in the curricula of the third and fourth years of the Teachers Colleges or for more advanced work elsewhere.

B. "This program represents sixty semester hours of work, at least half of which must fall in Groups I, II, III. The student must complete during the first year at least six semester hours of Rhetoric and at least fifteen semester hours from Groups I, II, III.



"The program for the third and fourth years is designed to enable the student

1. To pursue more extensively and intensively courses which acquaint him with the fields of his special interest and which broaden his general education.

2. To pursue a curriculum designed to give him the knowledge and skills necessary for teaching in a specific field.

"Admission to the program of the third and fourth years is based upon the satisfactory completion of the work outlined under (A) above or upon evidence of equivalent work done satisfactorily elsewhere. In addition the student must satisfy such special tests or examinations as may be prescribed to determine his general intelligence, scholastic aptitude, and fitness for the teaching profession."

### SUBJECT GROUPINGS

The regulations governing certification in Michigan employ subject groupings as follows:

Group I. Language and Literature

Ancient language and literature

English language and literature

Modern language and literature

Certain courses as indicated in the Department of Speech

Group II. Science

Agriculture, astronomy, anatomy, biology, botany, chemistry, geography, geology, hygiene, mathematics, nature study, physics, physiology, psychology, zoology

Group III. Social Science

Economics, history, philosophy, political science, sociology

Group IV. Education

Education (Includes methods courses and directed teaching)

Group V. Fine Arts

Arts, music

Group VI. Practical Arts

Agriculture, Commerce,

Home Economics,

Industrial Arts

Group VII. Physical Education and Health

Health, physical education

### Degree Requirements

"Any curriculum leading to the Bachelor's degree consists of at least 120 semester hours of credit and must include:

Group I	at least 12 semester hours
Group II	at least 12 semester hours
Group III	at least 12 semester hours
Group IV	at least 20 semester hours
Rhetoric	at least 6 semester hours

"The remaining semester hours may be selected from the courses regularly offered by the college, subject to the following restrictions:

1. Not more than 40 semester hours may be taken in any one subject.
2. At least two-thirds of the work beyond the second year must be in courses not open to first year students.
3. The student must complete a major subject of at least 24 semester hours and at least two minor subjects of not less than 15 semester hours each. Credits in the required Rhetoric and credits in Education which are required in general on all curricula do not count toward majors or minors.
4. No candidate is eligible for the Bachelor's degree who has not done at least 30 semester hours of work in residence and who has not been in residence during the semester or summer session immediately preceding graduation. (An exception is made in the combined pre-professional curricula.)
5. Courses must be selected so that the requirements in some one of the provisional certificate curricula are fulfilled. (In certain cases this requirement may be waived.)"

### Major, Minor, and Group Requirements

#### Regulations and Suggestions

1. In all cases the student should have faculty advice before making his elections.
2. Group requirements I, II, and III, may be satisfied through the use of major and minor sequences.
3. The following courses are not to be counted as satisfying major and minor requirements:
  - a. Required courses in rhetoric (See Group I).
  - b. Uniformly required courses in education listed under Group IV: Educational Psychology 250, Principles of Teaching 240 or 251, Foundations of Modern Education 353, and Directed Teaching 371, 372.
  - c. Courses in the teaching of school subjects or "professional" courses,—numbered 300T to 302T. (These give credit in education.)
4. It is preferable not to use education as a major or minor in any undergraduate curriculum.
5. Students and faculty advisers in planning programs to fulfill major, minor, and group requirements, should be guided by the following:
  - a. Previous courses in the field pursued by the student, both in high school and college.
  - b. The student's special interests and abilities.
  - c. The value of courses for cultural development.
  - d. The usefulness of courses for teaching or professional preparation.
  - e. The applicability of courses toward graduate study.
  - f. The curriculum to be pursued.
6. A student who desires recommendation for a position in teaching of a special subject should present at least a minor of 15 semester hours in that field.
 

A major and three minors would constitute desirable preparation for a secondary-school teacher.

A major and two minors, or four minors, are to be included in the preparation of the elementary-school teacher. (See footnotes pages 15 and 19 of Early and Later Elementary Curricula.)

7. In so far as possible major and minor programs should include year-sequences of consecutive courses or consecutive-coherent courses. The former are numbered sequentially, the latter are lettered sequentially. Such groupings are made because of essential prerequisites, logical relationships, or obvious supplementation. Programs may be completed with other isolated courses.

8. Isolated or short-sequential requirements of particular curricula need not necessarily be excluded from major or minor groupings, except those listed in 3 above. Examples of such that could be applied to major or minor groupings are:

Home Economics requirement of 8 semester hours of chemistry could be counted toward a chemistry minor. The Early Elementary requirement of two courses in art could be applied to an art minor. The curriculum in Physical Education for Men requires in Group II, biology, hygiene, anatomy, and physiology, which could be included as part of a minor fulfillment.

9. Valuable correlations or integrations may be secured by noting relationships between fields, such as the literature and history of the same country or period, or history and government, geography and history, science and the fields in which it functions, etc. Minors may on such a basis be related to majors.

10. Illustrations of major, minor, and year groupings are usually listed in the introductory paragraphs of the "Details of Departmental Courses," pages 90 to 163 and/or in the footnotes of curricula. (Year Book)

## REQUIREMENTS FOR GRADUATION

### Degrees and Certificates

The State Board of Education for the State of Michigan, on recommendation of the president and faculty of Western State Teachers College, confers degrees and grants teachers' certificates as follows:

1. The degree of *Bachelor of Arts* and the degree of *Bachelor of Science*.

2. The *State Elementary Provisional Certificate*, which qualifies the holder to teach for a period of five years from date of issue in the elementary grades (kindergarten to eighth) in any public school in Michigan. (See Notes 1 and 2.)

3. The *State Secondary Provisional Certificate*, which qualifies the holder to teach for a period of five years from date of issue in the secondary grades (seventh to twelfth) in any public school in Michigan, in subjects or subject fields indicated on the certificate. (See Notes 3 and 4.)

4. The *State Limited Certificate* which qualifies the holder to teach in the State of Michigan for a period of three years from date of issue in any primary-school district or in any graded-school district not maintaining grades above the eighth. (See Note 6.)

Note 1. The holder of the State Elementary Provisional Certificate may be issued the State Elementary Permanent Certificate, provided the candidate shall have met the following conditions:

(a) Application must be made to the college within one year following the expiration of the State Elementary Provisional Certificate.

(b) The candidate must submit satisfactory evidence that he has taught successfully during the life of the certificate for not less than three years in elementary schools in the state of Michigan.

Note 2. The holder of a State Elementary Provisional Certificate or a State Elementary Permanent Certificate may qualify for a State Secondary

Provisional Certificate by meeting the following additional minimum requirements:

- (a) Completion of at least six additional semester hours specifically in the field of secondary education. These additional hours must be completed after the date of issue of the elementary provisional certificate. (Applicants who have completed a program leading to a Master's degree, and who have met the specific requirements for the State Elementary Provisional Certificate and the State Secondary Provisional Certificate may be granted both certificates.)
- (b) Completion of one major of 24 semester hours.
- (c) The training institution shall appraise the credentials of the candidate, recommend specific subjects, and obtain the approval of the director of teacher training and certification before the candidate enrolls.

Note 3. The holder of the State Secondary Provisional Certificate may be issued the State Secondary Permanent Certificate provided the candidate shall have met the following conditions:

- (a) Application must be made to the college within one year following the expiration of the State Secondary Provisional Certificate.
- (b) The candidate must submit satisfactory evidence that he has taught successfully during the life of the certificate for not less than three years in secondary schools in the state of Michigan.
- (c) The candidate must have earned in addition ten semester hours of acceptable resident college credit.

Note 4. The holder of a State Secondary Provisional Certificate or a State Secondary Permanent Certificate may qualify for a State Elementary Provisional Certificate by meeting the following minimum requirements:

- (a) Completion of at least six additional semester hours, specifically in the field of elementary education. These additional hours must be completed after the date of issue of the State Secondary Provisional Certificate. (Applicants who have completed a program leading to a Master's degree, and who have met the specific requirements for the State Elementary Provisional Certificate and the State Secondary Provisional Certificate may be granted both certificates.)
- (b) The academic training shall include four minors, or a major (may be a group major) and two minors; the equivalent of two minors must be in subjects or subject fields taught in the elementary grades.
- (c) The training institution shall appraise the credentials of the candidate, recommend specific subjects, and obtain the approval of the director of teacher training and certification before the candidate enrolls.

Note 5. Special curricula leading to both elementary and secondary certificates. Applicants who graduate from specific four-year curricula, such as fine art, industrial art, library science, music, physical education, public health, etc., shall be granted certificates to teach in elementary and secondary grades when the candidate qualifies in both fields.

Note 6. The holder of a State Limited Certificate may be issued a State Limited Renewal Certificate, provided the candidate shall have met the following conditions:



- (a) Application must be made to the college within one year following the expiration of the State Limited Certificate, or the State Limited Renewal Certificate.
- (b) The candidate must have earned in addition ten semester hours of acceptable college credit since the date of issue of the last certificate held. Not less than five semester hours must be earned in residence; not to exceed three semester hours may be in correspondence credit. All credits submitted must satisfy the requirements of the curriculum for the State Provisional Certificate.
- (c) If the candidate for the State Limited Certificate shall have entered as a graduate from a Michigan County Normal School, he shall complete in residence in this institution at least 30 semester hours.

Note 7. A candidate presenting credits as a graduate of a Michigan County Normal School and who in addition thereto presents entrance credits satisfying the requirements of this institution shall be granted:

- (a) Toward the Provisional Certificate, 25 semester hours;
- (b) Toward the State Limited Certificate, 25 semester hours.

Note 8. Not more than one-fourth of the number of hours necessary for any certificate or degree may be taken in extension or by correspondence or both. Such credit, however, cannot be applied to modify the minimum or final residence requirements.

Note 9. No teacher's certificate will be granted to any person who is less than eighteen years of age.

Note 10. No teacher's certificate will be granted to any person who is not a citizen of the United States or who has not declared his intention of becoming a citizen.

### Academic and Resident Requirements for Degrees and Certificates

1. For the *Bachelor's Degree* the candidate shall—

- a. present credits satisfying a prescribed curriculum aggregating 120 semester hours;
- b. have satisfactorily completed in residence at this institution at least 30 semester hours;
- c. have been in residence at this institution the semester or summer session immediately preceding graduation;
- d. satisfy the requirements for the provisional certificate. (In certain cases this requirement may be waived.)

2. For the *State Elementary Provisional Certificate* the candidate shall—

- a. present credits satisfying a prescribed curriculum aggregating 120 semester hours;
- b. have satisfactorily completed in residence at this institution at least 30 semester hours;
- c. have been in residence at this institution the semester or summer session immediately preceding graduation;
- d. satisfy the requirements for the Bachelor's Degree.

3. For the *State Secondary Provisional Certificate* the candidate shall—

- a. present credits satisfying a prescribed curriculum aggregating 120 semester hours;
  - b. have satisfactorily completed in residence at this institution at least 30 semester hours;
  - c. have been in residence at this institution the semester or summer session immediately preceding graduation;
  - d. satisfy the requirements for the Bachelor's Degree.
4. For the *State Limited Certificate* the candidate shall—
- a. present credits satisfying a prescribed curriculum aggregating 60 semester hours;
  - b. have satisfactorily completed in residence at this institution 15 semester hours;
  - c. have been in residence at this institution the semester or summer session immediately preceding graduation;
  - d. if the candidate for the *State Limited Certificate* shall have entered as a graduate from a Michigan County Normal School, he shall complete in residence in this institution at least 30 semester hours.

### Degrees Defined

#### BACHELOR OF ARTS.

The student who regularly completes a curriculum conforming to the degree requirements and embracing at least 90 semester hours from Groups I, II, and III, including at least 8 semester hours in one foreign language, is eligible for the degree of Bachelor of Arts. If two or more units of one foreign language are presented for entrance, the requirements for foreign language may be waived.

#### BACHELOR OF SCIENCE

1. The student who regularly completes a curriculum conforming to the degree requirements and embracing more than 30 semester hours from Groups IV, V, VI, and VII, is eligible for the degree of Bachelor of Science.
2. The student who otherwise qualifies for the degree of Bachelor of Arts and who has earned at least 54 semester hours in Group II may at his option receive the degree of Bachelor of Science instead of Bachelor of Arts.

#### SPECIAL NOTE

Students, who do not have in mind preparation for teaching, may elect basic courses which provide a general education or which satisfy preliminary requirements for other professional curricula. When such a program of work is carried on for four years and conforms to the degree requirements stated on page 30, except the professional requirement in Group IV, the degree of Bachelor of Arts or Bachelor of Science may be granted *without the teaching certificate*.

#### Additional Regulations Governing Students at Western State Teachers College

1. All freshmen must carry Rhetoric 106 A, B.
2. At the end of the sophomore year all students must have had at least six class hours of physical education.
3. In general, freshmen should not elect two courses in a single department in the same semester. No student should elect more than seven semester hours in a single department in the same semester.



4. All students who expect to receive a degree must present at least 8 semester hours of credit in rhetoric.

5. Not more than a total of 60 semester hours of credit from Groups IV, V, VI, and VII may be accepted for either the Bachelor of Arts or the Bachelor of Science degree.

6. Before being admitted to the regular program of work of the third year, a candidate for a teaching certificate shall have earned at least 8 semester hours in each of the Groups I, II, and III. He shall have maintained at least a C average for work already completed and shall give evidence of his fitness for teaching.

7. To satisfy the minimum requirements in Groups I, II, and III, the student shall not present a series of isolated courses.

8. All students who are planning to pursue the program of work of the third and fourth years leading to certification are required to present a credit in General Psychology 200 or its equivalent. This course is not required in the General Degree curriculum. (See Special Note above.)

9. All students who expect to obtain a degree and teaching certificate are required to present credits in the following courses: Educational Psychology 250; Principles of Teaching 240 or 251; Foundations of Modern Education 353; Directed Teaching 371, 372.

10. A student will not be permitted to carry directed teaching, unless his point-hour ratio is at least 1.0.

## DIVISIONS OF GRADUATE STUDY AT TEACHERS COLLEGES

in cooperation with

### THE UNIVERSITY OF MICHIGAN

"The Board of Regents of the University of Michigan at their meeting in July, 1938, passed a resolution approving a formal request from the State Board of Education that the University of Michigan cooperate with the four Michigan Teachers Colleges in planning graduate programs of instruction. According to the action taken, a Graduate Division organized and administered in cooperation with the University of Michigan may be set up at each of the Teachers Colleges.

The arrangement provides that all courses offered in the Graduate Division of a Teachers College shall be given by staff members of the University of Michigan who have been approved as graduate instructors, and by such staff members of the Teachers Colleges as have been given status of graduate lecturer of the Graduate School of the University. Students enrolled in a Graduate Division of a Teachers College shall be permitted to complete such requirements for the master's degree as may be satisfied by the courses offered in a Graduate Division of a Teachers College. In some cases it may be possible for a student to complete all of the work for the master's degree on the campus of a Teachers College. In the event that a student completes as much as three-fourths of the requirements for a master's degree through courses offered in a Graduate Division of a Teachers College, this fact shall be indicated on the diploma awarded by the University. All courses are given on the semester basis the same as in the University and the credits earned are counted as credits in the Graduate School of the University. All degrees are granted by the University. The fees charged are the same as are charged for graduate instruction at the University. These fees are:

	Michigan Student	Non-resident Student
Fees for each semester	\$55	\$75
Four to six credit hours per semester	25	25
Three or less credit hours per semester	15	15
Summer session (six or eight weeks period)	35	35

It is understood that the portion of the fee charged for the University Health Service and other special privileges given University students paying the full semester or summer session fee will be returned to the Graduate Division of the Teachers College in order that that institution may provide such similar service.

The admission requirements for graduate study in a Graduate Division of a Teachers College are the same as for entrance to the Graduate School at the University of Michigan. All students desiring to enroll in such Graduate Divisions must submit credentials of undergraduate work to the Dean of the Horace H. Rackham School of Graduate Studies at the University of Michigan for his approval for admission to graduate study. The student, after receiving such approval, will enroll in the same fashion as regular students in the Graduate School of the University, although the place of enrollment will be at the Teachers College at which the Graduate Division is located."

### THE CURRICULA

Programs of study in Western State Teachers College are planned in such a way as to prepare teachers for different departments in various phases of public school work, and also to give to students who are preparing to teach an opportunity for general higher education. Recognizing that the prospective teacher should have some opportunity to adapt his education to his peculiar ability or personal ambition, the faculty, in outlining curricula sufficiently flexible to prepare teachers for both general and special school work, has made provision for students to exercise individual preference in elective work. A prospective student should study carefully the details of the various programs of study as outlined, so that he may understand clearly the purpose of each. He should choose that program which seems best to fit his interests and abilities.

Specific details and requirements in the various fields of specialization are outlined on the following pages. All of the curricula detailed conform to the general requirements for degrees and certificates and, at the same time, indicate the courses which should be pursued by students preparing to teach in the fields described.

1. Degree and Provisional Certificate Curricula	Page
Art .....	13
Commerce .....	14
Early Elementary .....	15
General Degree .....	30
Home Economics .....	16
Industrial Arts .....	17
Junior High School .....	18
Later Elementary .....	19
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Physical Education for Men .....	21
Physical Education for Women .....	22
Pre-Professional .....	22-37
Rural Elementary .....	23
Rural High School .....	25
Senior High School .....	26
Special Education .....	27-29

2. Specific details for the two-year curriculum leading to a Three-year Certificate in Rural Elementary Education are outlined on page 24.

ART CURRICULUM

B.S. Degree

(For the preparation of teachers and supervisors of art)

Group I. Language and Literature .....	12 semester hours
Rhetoric (in addition) .....	8 semester hours
Group II. Science .....	12 semester hours
General Psychology 200 (in addition) .....	3 semester hours
Group III. Social Science .....	12 semester hours
Including two semester hours of political science	
Group IV. Education	
Educational Psychology 250 .....	3 semester hours
Principles of Teaching 251 .....	2 semester hours
Foundations of Modern Education 353 .....	2 semester hours
Art Observation 300T .....	2 semester hours
Art Supervision 302T .....	3 semester hours
Directed Teaching 371, 372 .....	8 semester hours
Group V. Fine Arts	
Art Structure 106 .....	3 semester hours
Industrial Art 110 .....	2 semester hours
Elementary Design 105 .....	3 semester hours
Figure Drawing 205 .....	3 semester hours
Art Composition 208 .....	2 semester hours
History of Art 213A, B .....	6 semester hours
Commercial Art 214 .....	3 semester hours
Demonstration Drawing 306 .....	2 semester hours
Advanced Design 309 .....	3 semester hours
Advanced Figure Drawing 305 .....	2 semester hours
Advanced Art Composition 308 .....	2 semester hours
Art electives .....	4-9 semester hours
Group VII. Physical Education and Health	
Physical education: Women are required to take ten class hours including Physical Education 100 and one individual sport. Men are required to take ten class hours. (A class hour is to be interpreted to mean one hour of class work for one semester.)	
Electives (not in art) .....	13-18 semester hours

Note.—1. A course in library methods is required.

2. The academic training shall include a major and two minors in subjects or subject fields in which the applicant expects to teach.



## COMMERCE CURRICULUM

## B.S. Degree

(For the preparation of teachers of commerce and economics. Students interested in general business administration are advised to consult the General Degree Curriculum, page 30 and the Pre-Professional suggestions on page 32.)

Group I. Language and Literature.....12 semester hours  
 Rhetoric (in addition) ..... 8 semester hours

## Group II. Science

Biology, botany, chemistry, geology, physics, zoology... 6-8 semester hours  
 Mathematics 100A, B, C; or 103A, B; or 104A, B..... 8-10 semester hours  
 General Psychology 200..... 3 semester hours

## Group III. Social Science

Principles of Economics 220A, B ..... 6 semester hours  
 Electives in economics..... 6 semester hours  
 Survey of American Government 334..... 2 semester hours

## Group IV. Education

Educational Psychology 250 ..... 3 semester hours  
 Principles of Teaching 251..... 2 semester hours  
 Foundations of Modern Education 353..... 2 semester hours  
 Directed Teaching 371, 372 ..... 8 semester hours  
 Teaching of Vocational Business Subjects 300T..... 2 semester hours  
 Teaching of Social Business Subjects 301T..... 2 semester hours  
 Elective ..... 2 semester hours

## Group VI. Practical Arts

Introduction to Business 110..... 3 semester hours  
 Retail Selling and Store Service 330..... 3 semester hours

A combination of 1, 2, and 4 or a combination of 2, 3, and 4  
 from the following:

- (1) Shorthand and Typewriting 100A, B..... 8 semester hours
- (2) Accounting 210A, B and 311..... 9 semester hours
- (3) Cost Accounting 310A, B..... 6 semester hours
- (4) Business Law 320A, B..... 6 semester hours

## Group VII. Physical Education and Health

Physical education: Women are required to take ten class hours, including Physical Education 100, and one individual sport. Men are required to take ten class hours. (A class hour is to be interpreted to mean one hour of class work for one semester.)

Electives .....15-21 semester hours

Note.—1. A course in library methods is required.

2. The academic training shall include a major and two minors in subjects or subject fields in which the applicant expects to teach.

EARLY ELEMENTARY CURRICULUM

B.S. Degree

(For the preparation of teachers of the Kindergarten and of Grades 1 and 2)

Group I. Language and Literature.....	12 semester hours
Rhetoric (in addition) .....	8 semester hours
Fundamentals of Speech 105A (in addition).....	3 semester hours
Group II. Science .....	12 semester hours
Nature Study 231A or 231B (in addition).....	4 semester hours
General Psychology 200 (in addition) .....	3 semester hours
Group III. Social Science .....	12 semester hours
Including two semester hours of political science	
Group IV. Education	
Educational Psychology 250 .....	3 semester hours
Principles of Teaching 251 .....	2 semester hours
Psychology of Reading 212 .....	3 semester hours
Foundations of Modern Education 353 .....	2 semester hours
Early Elementary Education 200, 305A, B .....	9 semester hours
Psychology of Childhood 306 .....	3 semester hours
Teaching of Handwriting 100T .....	2 semester hours
Directed Teaching 371, 372 .....	8 semester hours
Group V. Fine Arts	
Art Structure 106 .....	3 semester hours
Illustrative Handwork 107 .....	3 semester hours
Early Elementary Music 104 .....	3 semester hours
Group VII. Physical Education and Health	
Physical education: Women are required to take ten class hours, including Physical Education 100, one individual sport, and Early Elementary Physical Education 330. (A class hour is to be interpreted to mean one hour of class work for one semester.)	
Electives .....	25 semester hours
Note.—1. A course in library methods is required.	
2. The academic training shall include four minors, or a major (this may be a group major) and two minors. The equivalent of two minors must be in subjects or subject fields taught in the elementary grades.	



## HOME ECONOMICS CURRICULUM

## B.S. Degree

(For the preparation of students for home living and of teachers of vocational home economics.)

Group I. Language and Literature.....	12 semester hours
Rhetoric (in addition) .....	8 semester hours
Group II. Science	
Biology 100A .....	4 semester hours
Chemistry 105A, B .....	8 semester hours
Hygiene 112 .....	2 semester hours
General Psychology 200 .....	3 semester hours
Household Physics 202 .....	2 semester hours
Group III. Social Science	
Economics of Consumption 223 .....	3 semester hours
Principles of Sociology 241 .....	3 semester hours
Electives, including two semester hours of political science	6 semester hours
Group IV. Education.	
Educational Psychology 250 .....	3 semester hours
Principles of Teaching 251 .....	2 semester hours
Problems in Home Economics Education 300T .....	3 semester hours
Foundations of Modern Education 353 .....	2 semester hours
Directed Teaching 371, 372 .....	8 semester hours
Elective .....	2 semester hours
Group V. Fine Arts	
Elementary Design 105 .....	2 semester hours
Costume Design 209 .....	2 semester hours
Home Furnishings 221 .....	2 semester hours
Group VI. Home Economics	
Problems in Home Living for Young Women 100 .....	1 semester hour
Clothing Clinic and Textiles 103 .....	3 semester hours
Foods 111 .....	3 semester hours
Clothing 205 .....	3 semester hours
Nutrition 211 .....	3 semester hours
Family Clothing 305 .....	3 semester hours
Advanced Foods 311 .....	3 semester hours
Quantity Food Management 312 .....	2 semester hours
Home Management 322 .....	2 semester hours
Home Nursing and Family Health 323 .....	2 semester hours
Home Management Practice 324 .....	3 semester hours
Marriage and Family Relationships 325 .....	2 semester hours
Child Development 326 .....	3 semester hours
Group VII. Physical Education and Health	
Physical education: Women are required to take ten class hours, including Physical Education 100 and one individual sport. (A class hour is to be interpreted to mean one hour of class work for one semester.)	
Electives .....	10 semester hours

Note.—1. A course in library methods is required.

2. One minor subject of 15 semester hours is required besides the major in home economics and the minor in science listed above.

# INDUSTRIAL ARTS CURRICULUM

## B.S. Degree

(For the preparation of teachers and supervisors of industrial arts)

Group I. Language and Literature .....	12 semester hours
Rhetoric (in addition) .....	8 semester hours
Group II. Science .....	12 semester hours
General Psychology 200 (in addition) .....	3 semester hours
Group III. Social Science .....	12 semester hours
Including two semester hours of political science	
Group IV. Education	
Educational Psychology 250 .....	3 semester hours
Principles of Teaching 251 .....	2 semester hours
Foundations of Modern Education 353 .....	2 semester hours
Shop Organization 300T .....	1 semester hour
Teaching of Industrial Arts 301T .....	3 semester hours
Directed Teaching 371, 372 .....	8 semester hours
Elective .....	2 semester hours
Group V. Fine Arts	
Art Structure 106 .....	3 semester hours
Group VI. Practical Arts	
Printing 140A .....	3 semester hours
Mechanical Drawing 121A, B. ....	5 semester hours
Advanced Benchwork 106 .....	3 semester hours
General Shop 202 .....	3 semester hours
Woodfinishing 207 .....	3 semester hours
General Metal 130A .....	3 semester hours
Electives in industrial arts .....	14-17 semester hours
Group VII. Physical Education and Health	
Physical education: Men are required to take ten class hours. (A class hour is to be interpreted to mean one hour of class work for one semester.)	
Electives (not in industrial arts) .....	12-15 semester hours
Note.—1. A course in library methods is required.	
2. Students who enter without high-school physics must elect Introduction to Physics 105A, B.	
3. Ordinarily students will be required to take Applied Mathematics 112 and Electricity 160. Those who elect a year of college physics are not required to take either applied Mathematics 112 or Electricity 160. Those who elect a year of college mathematics are not required to take Applied Mathematics 112.	
4. The academic training shall include a major and two minors in subjects or subject fields in which the applicant expects to teach.	

## JUNIOR HIGH SCHOOL CURRICULUM

A.B. or B.S. Degree

(For the preparation of teachers of Grades 7, 8, and 9)

Group I. Language and Literature.....	12 semester hours
Rhetoric (in addition) .....	8 semester hours
Group II. Science .....	12 semester hours
General Psychology 200 (in addition) .....	3 semester hours
Group III. Social Science.....	12 semester hours
Including two semester hours of political science	
Group IV. Education	
Educational Psychology 250.....	3 semester hours
Principles of Teaching 251.....	2 semester hours
Foundations of Modern Education 353.....	2 semester hours
Principles of Secondary Education 320.....	3 semester hours
Special Methods (e. g. Teaching of English 300T).....	2 semester hours
Directed Teaching 371, 372.....	8 semester hours
Teaching of Handwriting 100T.....	2 semester hours
Group VII. Physical Education and Health	
Physical education: Women are required to take ten class hours, including Physical Education 100, one individual sport, and Junior- and Senior-High-School Physical Education 332. Men are required to take ten class hours. (A class hour is to be interpreted to mean one hour of class work for one semester.)	
Electives .....	51 semester hours

Note.—1. A course in library methods is required.

2. The academic training shall include a major and two minors in subjects or subject fields in which the applicant expects to teach.

3. The major and minors must involve subjects regularly taught in the junior-high-school grades.

# LATER ELEMENTARY CURRICULUM

## A.B. or B.S. Degree

(For the preparation of teachers of grades 3, 4, 5, and 6)

Group I. Language and Literature.....	12 semester hours
Rhetoric (in addition).....	8 semester hours
Literature for Children 203 (in addition).....	3 semester hours

### Group II. Science

Biology, chemistry, geology, mathematics, physics.....	8 semester hours
Geography.....	8 semester hours
Nature Study 231A or 231B.....	4 semester hours
Hygiene 112.....	2 semester hours
General Psychology 200.....	3 semester hours

Group III. Social Science.....	16 semester hours
Including two semester hours of political science	

### Group IV. Education

Educational Psychology 250.....	3 semester hours
Principles of Teaching 251.....	2 semester hours
Psychology of Reading 212.....	3 semester hours
Later Elementary Education 312.....	3 semester hours
Teaching of Handwriting 100T.....	2 semester hours
Foundations of Modern Education 353.....	2 semester hours
Directed Teaching 371, 372.....	8 semester hours

### Group VII. Physical Education and Health

Physical education: Women are required to take ten class hours, including Physical Education 100, one individual sport, and Later-Elementary Physical Education 331. (A class hour is to be interpreted to mean one hour of class work for one semester.)

Electives.....	33 semester hours
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Note.—1. A course in library methods is required.

2. Students must elect three of the following courses that are in the line of major interest:

#### Group IV

- Arithmetic 101T
- Teaching of Geography 300T
- Teaching of Social Studies 300T

#### Group V

- Later Elementary Music 107
- Art Structure 106

3. The academic training shall include four minors, or a major (this may be a group major) and two minors. The equivalent of two minors must be in subjects or subject fields taught in the elementary grades.

## MUSIC CURRICULUM

## B.S. Degree

## (For the preparation of teachers and supervisors of music)

Group I. Language and Literature.....	12 semester hours
Rhetoric (in addition).....	8 semester hours
Group II. Science .....	12 semester hours
General Psychology 200 (in addition).....	3 semester hours
Group III. Social Science .....	12 semester hours
Including two semester hours of political science.	
Group IV. Education	
Educational Psychology 250 .....	3 semester hours
Principles of Teaching 251 .....	2 semester hours
Foundations of Modern Education 353 .....	2 semester hours
Music Education 300T, 301T, 302T.....	6 semester hours
Directed Teaching 371, 372 .....	8 semester hours
Group V. Fine Arts	
Fundamentals of Music 105A, B.....	6 semester hours
Voice Culture 116A, B, 216A, B.....	8 semester hours
Harmony 209A, B .....	8 semester hours
History of Music 212A .....	4 semester hours
Music Appreciation 212B .....	4 semester hours
Advanced Harmony and Musical Analysis 320 A, B.....	6 semester hours
(An elective in music may be substituted)	
Orchestration 321A .....	2 semester hours
Elective in Music .....	2 semester hours
Group VII. Physical Education and Health	
Physical education: Women are required to take ten class hours, including Physical Education 100 and one individual sport. Men are required to take ten class hours. (A class hour is to be interpreted to mean one hour of class work for one semester.)	
Electives (not in music).....	12 semester hours
Note.—1. A course in library methods is required.	
2. Membership in the orchestra, vocal ensemble, or band is required of all students during the entire four-year course.	
3. The academic training shall include a major and two minors in subjects or subject fields in which the applicant expects to teach.	



PHYSICAL EDUCATION FOR MEN CURRICULUM

B.S. Degree

(For the preparation of teachers and supervisors of physical education for men)

Group I. Language and Literature .....	12 semester hours
Rhetoric (in addition) .....	8 semester hours
Fundamentals of Speech 105A (in addition) .....	3 semester hours
Group II. Science .....	
General Biology 100A .....	4 semester hours
Hygiene 112 .....	2 semester hours
Anatomy 211A .....	4 semester hours
Physiology 211B .....	4 semester hours
General Psychology 200 .....	3 semester hours
Group III. Social Science .....	12 semester hours
Including two semester hours of political science	
Group IV. Education .....	
Educational Psychology 250 .....	3 semester hours
Principles of Teaching 251 .....	2 semester hours
Psychology of Coaching 301T .....	2 semester hours
Foundations of Modern Education 353 .....	2 semester hours
Organization and Administration of Physical Education 302T .....	3 semester hours
Directed Teaching 371, 372 .....	8 semester hours
Group VII. Physical Education and Health .....	
History and Principles of Physical Education 206 .....	3 semester hours
First Aid and Athletic Training 306 .....	3 semester hours
Principles and Technique of Gymnastic Teaching 305 .....	2 semester hours
Kinesiology 308 .....	2 semester hours
Fundamentals and Technique of Football 208 .....	2 semester hours
Fundamentals and Technique of Basketball 209 .....	2 semester hours
Physiology of Exercise 307 .....	2 semester hours
Fundamentals and Technique of Baseball 210 .....	2 semester hours
Fundamentals and Technique of Track and Field 211 .....	2 semester hours
Tests and Measurements in Physical Education 309 .....	3 semester hours
General Athletics 105A, B .....	2 semester hours
Swimming 310 .....	1 semester hour
Camping and Scouting 207 .....	3 semester hours
Advanced Athletics 205A, B .....	2 semester hours
Playground and Community Recreation 320 .....	3 semester hours
Electives (not in physical education) .....	14 semester hours

Note.—1. A course in library methods is required.

2. The academic training shall include a major and two minors in subjects or subject fields in which the applicant expects to teach.



# PHYSICAL EDUCATION FOR WOMEN CURRICULUM

## B.S. Degree

(For the preparation of teachers and supervisors of physical education for women)

Group I. Language and Literature.....	12 semester hours
Rhetoric (in addition) .....	8 semester hours
Fundamentals of Speech 105A (in addition) .....	3 semester hours
Group II. Science	
Biology 100A, B .....	8 semester hours
Hygiene 112 .....	2 semester hours
Anatomy 211A .....	4 semester hours
Physiology 211B .....	4 semester hours
General Psychology 200 .....	3 semester hours
Group III. Social Science .....	12 semester hours
Including two semester hours of political science	
Group IV. Education	
Educational Psychology 250 .....	3 semester hours
Principles of Teaching 251 .....	2 semester hours
Foundations of Modern Education 353 .....	2 semester hours
Methods in Physical Education 300T .....	3 semester hours
Administration and Organization of Physical Education 301T .....	2 semester hours
Directed Teaching 371, 372 .....	8 semester hours
Group V. Fine Arts	
Music Construction 110 .....	2 semester hours
Group VII. Physical Education and Health	
Introduction to Physical Education 170 .....	2 semester hours
First Aid 271 .....	1 semester hour
Playground Organization 270A, B .....	4 semester hours
Applied Anatomy 273 .....	3 semester hours
Theory of Athletics 274A, B, C .....	6 semester hours
Theory of Swimming 275 .....	1 semester hour
Theory of the Dance 370 .....	1 semester hour
Individual Gymnastics 373 .....	3 semester hours
Principles of Physical Education 374 .....	2 semester hours
Modern Problems in Physical Education 375 .....	2 semester hours
Community Recreation, Scouting, Camp Fire 376 .....	2 semester hours
Health Education 185 .....	2 semester hours
Required in addition from Group VII:	
Physical Education 151A, B; 251A, B; 351A, B; 361A, B.	
Electives (not in physical education).....	13 semester hours

Note.—1. A course in library methods is required.

2. The academic training shall include a major and two minors in subjects or subject fields in which the applicant expects to teach.

RURAL ELEMENTARY CURRICULUM (Four Years)

A.B. or B.S. Degree

(For the preparation of teachers of one-teacher, consolidated, and village schools)

Group I. Language and Literature <sup>2</sup> .....	12 semester hours
Rhetoric (in addition) .....	8 semester hours
Group II. Science	
Biology, chemistry, geology, mathematics, physics.....	8 semester hours
Introductory Geography 105A, B.....	5 semester hours
General Psychology 200 .....	3 semester hours
Group III. Social Science (including two semester hours of political science) .....	6 semester hours
Rural Economics 240 (in addition).....	3 semester hours
Rural Sociology 240 (in addition) .....	3 semester hours
Group IV. Education	
Educational Psychology 250 .....	3 semester hours
Principles of Teaching 240.....	2 semester hours
Foundations of Modern Education 353 .....	2 semester hours
Rural Education 340 .....	2 semester hours
Rural Education (advanced courses) .....	4 semester hours
Curriculum 145 .....	3 semester hours
Directed Teaching 371, 372 .....	8 semester hours
Group V. Fine Arts	
Art Structure 106 .....	3 semester hours
Rural School Music 109 .....	3 semester hours
Group VI. Practical Arts	
Personal and Social Problems 120 or equivalent.....	1 semester hour
Group VII. Physical Education and Health	
Physical education: Women are required to take ten class hours, including Physical Education 100, one in- dividual sport, and Rural School Physical Education 233. Men are required to take ten class hours. (A class hour is to be interpreted to mean one hour of class work for one semester.)	
Electives .....	41 semester hours

- Note.—1. A course in library methods is required.  
2. Fundamentals of Speech 105A, B may be included in this group.  
3. Students will choose among the following according to the suggestion of the departmental adviser:

- Group II
  - Rural School Agriculture 105
  - Hygiene 112
  - Nature Study 231A or 231B
- Group IV
  - Arithmetic 101T
  - Psychology of Reading 212
  - Stories for Childhood 208
  - Teaching of Geography 300T
  - Teaching of Handwriting 100T
  - Teaching of Social Studies 300T
- Group V
  - Industrial Art 110
- Group VII
  - Health Education 185

4. The academic training shall include four minors, or a major (this may be a group major) and two minors. The equivalent of two minors must be in subjects or subject fields taught in the elementary grades.

## RURAL ELEMENTARY CURRICULUM (Two Years)

(60 semester hours)

**(Leading to a three-year certificate for teachers "in schools not having grades above the eighth")**

Group I. English<sup>3</sup> ..... 6 semester hours  
 Rhetoric (in addition) ..... 3 semester hours

Group II. Science<sup>4</sup> ..... 8 semester hours

Group III. Social Sciences<sup>5</sup>  
 Rural Economics 240 ..... 3 semester hours  
 Rural Sociology 240 ..... 3 semester hours  
 Elective ..... 3 semester hours

Group IV. Education<sup>6</sup>  
 Curriculum 145 ..... 3 semester hours  
 Principles of Teaching 240 ..... 2 semester hours  
 Directed Teaching 271 ..... 3 semester hours  
 Rural Education 340 ..... 2 semester hours  
 Elective ..... 2-3 semester hours

Group V. Fine Arts  
 Art Structure 106 or Rural School Music 109 ..... 3 semester hours

Group VI. Practical Arts  
 Personal and Social Problems or equivalent ..... 1 semester hour

Group VII. Physical Education and Health

Physical education: Women must take Physical Education 100 and Rural School Physical Education 233. Men are required to complete a minimum of six class hours. (A class hour is to be interpreted to mean one hour of class work for one semester.)

Electives ..... 17-18 semester hours

Note.—1. A course in library methods is required.

2. "... qualifies the holder to teach in any Primary School District, or in any graded school district not maintaining grades above the eighth."—Teachers' Certification Code, Bulletin No. 601, 1936, page 8.

3. Fundamentals of Speech 105A may be included in this group.

4. Rural School Agriculture 105 or Nature Study 231A or Nature Study 231B; Introductory Geography 105A; and Health Education 185 or Hygiene 112 are among the courses advised in this group.

5. "... a course of six one hour lectures or the equivalent shall be given in political science. . . ."—Michigan School Laws, Section 742; Revision, 1936.

6. Arithmetic 101T and Teaching of Handwriting 100T are electives in this group.

7. Provision has been made in this "limited time" curriculum for a flexibility of choice among both group and general electives, under the guidance of the departmental adviser, that will facilitate the supplementation of the most obviously needed subject matter and personal background of the individual student.

# RURAL HIGH SCHOOL CURRICULUM

## A.B. or B.S. Degree

(For the preparation of teachers of rural-consolidated and village high schools)

Group I. Language and Literature <sup>2</sup> .....	12 semester hours
Rhetoric (in addition) .....	8 semester hours
Group II. Science .....	12 semester hours
General Psychology 200 (in addition) .....	3 semester hours
Group III. Social Science (including two semester hours of political science) .....	6 semester hours
Rural Economics 240 (in addition) .....	3 semester hours
Rural Sociology 240 (in addition) .....	3 semester hours
Group IV. Education	
Educational Psychology 250 .....	3 semester hours
Principles of Teaching 240 .....	2 semester hours
Foundations of Modern Education 353 .....	2 semester hours
Rural Education 340 .....	2 semester hours
Rural Education (advanced courses) .....	4 semester hours
Directed Teaching 371, 372 .....	8 semester hours

## Group VII. Physical Education and Health

Physical education: Women are required to take ten class hours, including Physical Education 100, one individual sport, and Junior- and Senior-High-School Physical Education 332. Men are required to take ten class hours. (A class hour is to be interpreted to mean one hour of class work for one semester.)

Electives .....52 semester hours

- Note.—1. A course in library methods is required.  
 2. Fundamentals of Speech 105A, B may be included in Group I.  
 3. The academic training shall include a major and two minors in subjects or subject fields in which the applicant expects to teach.  
 4. Students must elect a methods course in either the major or the minor field.  
 5. The remaining units are to be taken in groups of 3 or miscellaneous with the consent of the adviser.

**Rural Agricultural High School Curriculum:** Students desiring to complete their degrees and receive Smith-Hughes vocational agricultural teaching certificates from Michigan State College may meet the requirements by completing the first two years of this curriculum. As sequences they should elect 14 semester hours from Animal Husbandry 106, 107, 108; Soils 201 (this course should be preceded by one year of college chemistry); Farm Crops 202; Horticulture 203; also, if desired, General Shop 202 and Rural School Shop 203. The remaining sequences should be chosen with the consent of the adviser.

## SENIOR HIGH SCHOOL CURRICULUM

A.B. or B.S. Degree

(For the preparation of teachers of Grades 9, 10, 11, 12)

Group I. Language and Literature.....	12 semester hours
Rhetoric (in addition).....	8 semester hours
Group II. Science .....	12 semester hours
General Psychology 200 (in addition).....	3 semester hours
Group III. Social Science .....	12 semester hours
Including two semester hours of political science	
Group IV. Education	
Educational Psychology 250 .....	3 semester hours
Principles of Teaching 251 .....	2 semester hours
Special methods (e. g. Teaching of Social Studies 300T) ..	2 semester hours
Foundations of Modern Education 353 .....	2 semester hours
Principles of Secondary Education 320 .....	3 semester hours
Directed Teaching 371, 372 .....	8 semester hours
Group VII. Physical Education and Health	
Physical education: Women are required to take ten class hours, including Physical Education 100, one individual sport, and Junior- and Senior-High-School Physical Education 332. Men are required to taken ten class hours. (A class hour is to be interpreted to mean one hour of class work for one semester.)	
Electives .....	53 semester hours

Note.—1. A course in library methods is required.

2. The academic training shall include a major and two minors in subjects or subject fields in which the applicant expects to teach.



SPECIAL EDUCATION CURRICULUM—1

B.S. Degree

(For the preparation of teachers of mentally retarded and backward children)

Group I. Language and Literature.....12 semester hours  
Rhetoric (in addition)..... 8 semester hours

Group II. Science  
General Biology 101A, B..... 8 semester hours  
Hygiene 112 (or Health Education 185)..... 2 semester hours  
General Psychology 200..... 3 semester hours  
Abnormal Psychology 305..... 2 semester hours

Group III. Social Science  
Principles of Sociology 241, Modern Social Problems 242.. 6 semester hours  
Political science..... 2 semester hours  
Elective..... 4 semester hours

Group IV. Education  
Educational Psychology 250..... 3 semester hours  
Principles of Teaching 251..... 2 semester hours  
Education of Exceptional Children 331..... 2 semester hours  
Mental Tests 307..... 2 semester hours  
Mental Deficiency 332..... 2 semester hours  
Mental Hygiene 335A, B..... 4 semester hours  
Methods of Teaching Subnormal Children 337..... 1 semester hour  
Foundations of Modern Education 353..... 2 semester hours  
Directed Teaching 371, 372..... 8 semester hours

Group V. Fine Arts  
Illustrative Handwork 107..... 3 semester hours

Group VI. Practical Arts  
Special Education Shop 208..... 2 semester hours

Group VII. Physical Education and Health  
Physical education: Women are required to take ten class hours, including Physical Education 100 and one individual sport. Men are required to taken ten class hours. (A class hour is to be interpreted to mean one hour of class work for one semester.)

Electives.....42 semester hours

Note.—1. A course in library methods is required.  
2. One of the courses in directed teaching must be with normal children, and the other two with subnormal children.  
3. The academic training shall include a major (this may be a group major) and two minors, or four minors. The equivalent of two minors must be in subjects or subject fields taught in the elementary grades.



## SPECIAL EDUCATION CURRICULUM—2

## B.S. Degree

## (For the preparation of teachers of occupational therapy)

Group I. Language and Literature.....	12 semester hours
Rhetoric (in addition) .....	8 semester hours
Group II. Science .....	
Science or mathematics .....	5 semester hours
General Biology 101A, B .....	8 semester hours
General Psychology 200 .....	3 semester hours
Abnormal Psychology 305 .....	2 semester hours
Group III. Social Science .....	12 semester hours
Including two semester hours of political science	
Group IV. Education .....	
Educational Psychology 250 .....	3 semester hours
Principles of Teaching 251 .....	2 semester hours
Education of Exceptional Children 331 .....	2 semester hours
Mental Deficiency 332 .....	2 semester hours
Foundations of Modern Education 353 .....	2 semester hours
Directed Teaching 373 .....	4 semester hours
Group V. Practical Arts .....	
Special Education Shop 208 .....	2 semester hours
Electives .....	13 semester hours
Note.—1. A course in library methods and two semesters of physical education are required.	
2. In addition to the above 80 semester hours of college work, the student must spend 27 months at the Kalamazoo State Hospital and affiliated hospitals for which 40 semester hours of college credit is allowed on this curriculum only.	
3. Sixty semester hours of college credit must be earned before the student is admitted to the study of Occupational Therapy at the Kalamazoo State Hospital. Twenty additional semester hours of credit must be earned by the student during the 27 months of training in Occupational Therapy.	
4. This course is open to women students only.	

SPECIAL EDUCATION CURRICULUM—3

B.S. Degree

(For the preparation of teachers of speech correction)

Group I. Language and Literature .....	8 semester hours
Rhetoric (in addition) .....	8 semester hours
Fundamentals of Speech 105A, B .....	5 semester hours
Introduction to Speech Correction 230 .....	3 semester hours
Principles of Speech Correction 231 .....	3 semester hours
Phonetics 318 .....	2 semester hours
Basic Voice and Speech Science 319 .....	3 semester hours
Group II. Science .....	
General Biology 101A, B .....	8 semester hours
Hygiene 112 .....	2 semester hours
General Psychology 200 .....	3 semester hours
Abnormal Psychology 305 .....	2 semester hours
Group III. Social Science .....	
Principles of Sociology 241 .....	3 semester hours
Modern Social Problems 242 .....	3 semester hours
Political Science .....	2 semester hours
Electives .....	4 semester hours
Group IV. Education .....	
Educational Psychology 250 .....	3 semester hours
Principles of Teaching 251 .....	2 semester hours
Applied Speech Correction 300T .....	2 semester hours
Mental Tests 307 .....	2 semester hours
Mental Hygiene 335A .....	2 semester hours
Foundations of Modern Education 353 .....	2 semester hours
Directed Teaching 371, 372 .....	8 semester hours
Group VII. Physical Education and Health .....	
Physical Education: Women are required to taken ten class hours, including Physical Education 100 and one individual sport. Men are required to take ten class hours. (A class hour is to be interpreted to mean one hour of class work for one semester.)	
Electives .....	40 semester hours
Suggested electives: Anatomy 211A, Physiology 211B, Psychology of Reading 212, Principles of Social Work 348, Social Work Practice 349, Psycho-Educational Problems 309, Education of Exceptional Children 331, Mental Hygiene 335B.	

Note.—1. A course in library methods is required.

2. A minor in speech correction may be taken by students in other curricula. It consists of the following sequence: Fundamentals of Speech 105A, B; Introduction to Speech Correction 230; Principles of Speech Correction 231; Applied Speech Correction 300T; Phonetics 318 or Basic Voice and Speech Science 319. See Department of Speech announcements, p. 159.

3. The academic training shall include a major and two minors in subjects or subject fields in which the applicant expects to teach.

## GENERAL DEGREE CURRICULUM

## A.B. or B.S. Degree

## (For liberal and pre-professional education)

Students who do not have in mind preparation for teaching may elect basic courses which provide a general education or which satisfy preliminary requirements for other professional curricula. When such a program of work is carried on for four years and conforms to the degree requirements stated on pages 4 and 5, except the professional requirements in Group IV and such other special requirements as concern professional training for teaching, the degree of Bachelor of Arts or Bachelor of Science may be granted *without a teaching certificate*.

## Group Requirements

- Group I. Language and Literature ..... 12 semester hours  
 Ancient language and literature, modern language and literature, English language and literature, certain courses as indicated in the Department of Speech.
- Rhetoric (in addition) ..... 8 semester hours
- Group II. Science ..... 12 semester hours  
 Anatomy, astronomy, biology, botany, chemistry, geography, geology, mathematics, nature study, physics, physiology, hygiene, psychology, zoology, certain courses as indicated in the Department of Agriculture.
- Group III. Social Science ..... 12 semester hours  
 History, political science, philosophy, economics, sociology.
- Group VII. Physical Education and Health.  
 Physical education: Women are required to taken ten class hours, including Physical Education 100 and one individual sport. Men are required to take ten class hours. (A class hour is to be interpreted to mean one hour of class work for one semester.)
- Electives ..... 76 semester hours
- Note.—1. A course in library methods is required.  
 2. The total minimum requirement is 120 semester hours.

### PRE-PROFESSIONAL CURRICULA

The amount of college training required by leading universities in preparation for the various professions, such as law, medicine, dentistry, etc., has in late years been materially increased. Dentistry, formerly requiring three years, now requires six; medicine, formerly a four-year course, now requires seven years; etc. A number of professions such as business administration, library science, and, increasingly, social work, are now entirely on the graduate level; that is, a four-year college degree must be presented before one may enter upon the study of those professions.

For the most part, the additional college work now required is of a cultural nature, or is definitely preparatory to professional courses to be taken later. Examples of the latter are work in mathematics basic to engineering, and the social sciences essential to law and social work. Western State Teachers College offers two and, in some cases, three or four years of work preparatory to professional study. The recommendations outlined in the following pages are based on the pre-professional requirements of the University of Michigan, and those of certain other colleges and universities.

The combined curricula approved by the State Board of Education are specially arranged with the various professional schools of certain colleges and universities. In these curricula, the student, after successfully completing the three-year curriculum as outlined in this catalog may apply for admission to the professional school or college whose requirements he has met. If admitted, the student will, after a year of successful work in the professional school, be granted the A. B. or B. S. degree by Western State Teachers College, providing all General Degree requirements for the Bachelor's Degree have been satisfied. The professional schools and colleges with which Western State Teachers College has combined curricula reserve the right to refuse admission for certain reasons. Because of this, Western State Teachers College cannot guarantee that a student successfully completing combined curricula will be admitted to the professional school of his choice. If the student contemplates entering some college or university other than those with whom combined curricula have been arranged, he should procure a catalog of the institution he plans to attend, to assist the advisers in mapping out his course. A minimum of two years in residence is required for the Bachelor's Degree in the combined curricula.



### BUSINESS ADMINISTRATION

Because of the fact that the School of Business Administration of the University of Michigan is a graduate school, students in Western State Teachers College who plan to enroll later in the University School of Business Administration are advised to take four years of work at Western State Teachers College and to secure either the degree of Bachelor of Arts or the degree of Bachelor of Science. Except under certain conditions, a bachelor's degree is prerequisite to entrance in the School of Business Administration of the University of Michigan. A bachelor's degree from Western State Teachers College fulfills the entrance requirements but "admission on condition" is imposed upon those who do not present a minimum of twelve semester hours in economics. For a broad foundation in Pre-Business Administration, wise selection from the following courses is suggested.

#### First Year

Rhetoric 106 A, B .....	6 semester hours
Trigonometry and College Algebra 103 A, College Algebra and Analytic Geometry 103 B .....	10 semester hours
or	
College Algebra and Analytic Geometry 104 A, B .....	8 semester hours
General Biology 100 A, B .....	8 semester hours
or	
General Chemistry 100 A, B or 101 A, B .....	8 semester hours
Description of Industry (Economics) 125 .....	3 semester hours
History 105 A, B or 108 A, B, or 109 A, B .....	6 or 8 semester hours
Fundamentals of Speech 105 A, B .....	5 semester hours
French or German or Spanish 100 A, B or 102 A, B .....	8 semester hours

#### Second Year

English (selected in the field of literature) .....	2 to 8 semester hours
Principles of Economics 220 A, B .....	6 semester hours
Mathematics 200, or 205 A, B, or 211, or 227, or 228 .....	2 to 9 semester hours
Accounting (Commerce) 210 A, B .....	6 semester hours
General Psychology 200 .....	3 semester hours
Political Science 230 A, B .....	6 semester hours
Sociology 241, 242 .....	6 semester hours
French or German or Spanish 100 A, B or 102 A, B .....	8 semester hours

#### Third and Fourth Years

- I. Essential courses listed above which the student desires but has been unable to fit into his program during his first two years of college.
- II. Additional selections from :
  1. Advanced courses in economics.
  2. Advanced courses in rhetoric and literature.
  3. Advanced courses in speech.
  4. Advanced courses in science and mathematics.
  5. Economic history and economic geography.
  6. Other electives.

Note.—1. A course in library methods is required.

2. Women are required to take ten class hours of physical education, including one individual sport and one team sport. Men are required to take ten class hours of physical education. (A class hour is to be interpreted to mean one hour of class work for one semester.)



# DENTISTRY

(Combined Curriculum in Letters and Dentistry)

## First Year

Rhetoric 103 A, B .....	6 semester hours
General Biology 100 A, B .....	8 semester hours
Elective (see notes below) .....	16 semester hours

## Second Year

General Chemistry 100 A, B or 101 A, B .....	8 semester hours
Physics 203 A, B .....	10 semester hours
Elective .....	12 semester hours

## Third Year

Organic Chemistry 306 A, B .....	10 semester hours
Elective .....	20 semester hours

Note.—1. A course in library methods is required.

2. Women are required to take two semesters of physical education. Men are required to take a minimum of six class hours. (A class hour is to be interpreted to mean one hour of class work for one semester.)

3. If  $\frac{1}{2}$  unit of plane trigonometry is not presented by a student, the deficiency must be made up (Trigonometry 100 C, 3 semester hours college credit,) before the study of physics is begun in the second year.

4. In the selection of electives the student should plan to meet the general degree requirements in Groups I, II, III, and IV. See pages 4 and 5.

# ENGINEERING

## First Year

Rhetoric 106 A, B .....	6 semester hours
Trigonometry and College Algebra 103 A, College Algebra and Analytic Geometry 103 B .....	10 semester hours
or	
College Algebra and Analytic Geometry 104 A, B .....	8 semester hours
General Chemistry 100 A, B, or 101 A, B .....	8 semester hours
Fundamentals of Speech 105 A .....	3 semester hours
Descriptive Geometry 222 .....	3 semester hours
Mechanical and Machine Drawing 221 .....	3 semester hours

## Second Year

Calculus 205 A, B .....	8 semester hours
Physics 203 A, B .....	10 semester hours
Principles of Economics 220 A, B .....	6 semester hours
Labor Problems 325 A, B .....	4 semester hours
Elective .....	2 semester hours

Note.—A course in library methods and a minimum of six class hours of physical education are required. (A class hour is to be interpreted to mean one hour of class work for one semester.)

**FORESTRY**

(Combined Curriculum in Letters and Forestry)

**First Year**

Rhetoric 106 A, B .....	6 semester hours
General Biology 100 A, B .....	8 semester hours
Elective (see notes below) .....	16 semester hours

**Second Year**

General Chemistry 100 A, B or General Chemistry 101 A, B .....	8 semester hours
Physics 203 A, B .....	10 semester hours
Elective .....	12 semester hours

**Third Year**

Organic Chemistry 306 A, B .....	10 semester hours
Elective .....	20 semester hours

Note.—1. A course in library methods is required.

2. Women are required to take two semesters of physical education. Men are required to take a minimum of eight class hours. (A class hour is to be interpreted to mean one hour of class work for one semester.)

3. If  $\frac{1}{2}$  unit of plane trigonometry is not presented by a student, the deficiency must be made up (Trigonometry 100 C, 3 semester hours college credit), before the study of physics is begun in the second year.

4. Electives should be so selected that the requirements of Groups I and III are met. The required work meets the requirements of Group II.

5. In the selection of electives the student should plan to meet the general degree requirements in Groups I, II, III, and IV. See pages 4 and 5.

**JOURNALISM****First Year**

Rhetoric 106 A, B .....	6 semester hours
General Biology 100 A, B .....	8 semester hours
or	
General Chemistry 100 A, B .....	8 semester hours
United States History 201 A, B .....	6 semester hours
French, German, or Spanish 100 A, B .....	8 semester hours

**Second Year**

Chief American Poets 121 or American Prose 122 .....	3 semester hours
General Psychology 200 .....	3 semester hours
Principles of Sociology 241; Modern Social Problems 242 .....	6 semester hours
American Government 230 A, B .....	6 semester hours
Principles of Economics 220 A, B .....	6 semester hours
Economic History of the United States 312 .....	3 semester hours
Electives .....	3 semester hours

Note.—1. A course in library methods is required.

2. Women are required to take two semesters of physical education. Men are required to take a minimum of six class hours. (A class hour is to be interpreted to mean one hour of class work for one semester.)

3. Since journalists are using the typewriter constantly, it is of great advantage to the student to acquire facility in typing. It is strongly recommended that the student who is not already a proficient typist should take a course in Typewriting.

LAW

(Combined Curriculum in Letters and Law)

University of Michigan Law School

Detroit College of Law

First Year

Rhetoric 106 A, B .....	6 semester hours
Trigonometry and College Algebra 103 A, College Algebra and Analytic Geometry 103 B .....	10 semester hours
or	
General Chemistry 100 A, B .....	8 semester hours
or	
General Biology 100 A, B .....	8 semester hours
English History 109 A, B .....	6 semester hours
Latin, French, German, or Spanish 100 A, B .....	8 semester hours

Second Year

English Literature 107 A, B .....	6 semester hours
or	
Shakespeare 214, A, B .....	6 semester hours
United States History 201 A, B .....	6 semester hours
Principles of Economics 220 A, B .....	8 semester hours
Physics 203 A, B .....	10 semester hours

Third Year

American Government 230 A, B .....	6 semester hours
Principles of Sociology 241 and Modern Social Problems 242 .....	6 semester hours
General Psychology 200 .....	3 semester hours
Fundamentals of Speech 105 A, B .....	6 semester hours
Electives—Sufficient to make total of .....	90 semester hours

Note.—1. A course in library methods is required.

2. Women are required to take two semesters of physical education. Men are required to take a minimum of eight class hours. (A class hour is to be interpreted to mean one hour of class work for one semester.)

3. An average scholarship of one and three-quarters honor points is required by the University of Michigan Law School.

4. Credit in Trigonometry must be presented before the student may begin the study of Physics.

5. The above requirements are those of the University of Michigan Law School. Those of the Detroit College of Law are the same except that for Psychology 200 in the third year, Accounting 210 A, B (6 semester hours) is substituted.

**MEDICINE**

University of Michigan  
Medical School

The Medical School requires 90 semester hours of pre-medical work of college level preceded by graduation from an approved high school. An average scholarship of one and three-quarters honor points is required. The college pre-medical requirements must include the following:

English .....	6 semester hours
Chemistry .....	14 semester hours
Physics .....	8 semester hours
Biology .....	8 semester hours
French or German .....	12-16 semester hours
Electives to total .....	90 semester hours

**WAYNE UNIVERSITY**

College of Medicine  
(Combined Curriculum in Letters and Medicine)

**First Year**

Rhetoric 106 A, B .....	6 semester hours
General Biology 100 A, B .....	8 semester hours
Chemistry 100 A, B or 101 A, B .....	8 semester hours
French or German .....	8 semester hours

**Second Year**

English Literature 107 A, B .....	6 semester hours
Physics 203 A, B .....	10 semester hours
Chemistry 201 .....	5 semester hours
French or German .....	8 semester hours

**Third Year**

Quantitative Analysis 202 .....	5 semester hours
Organic Chemistry 306 A, B .....	10 semester hours
Principles of Economics 220 A, B .....	6 semester hours
Principles of Sociology 241 .....	3 semester hours
Psychology 200 .....	3 semester hours
Anatomy 211 A .....	4 semester hours
Advanced Rhetoric 323 .....	2 semester hours

Note.—1. A course in library methods is required.

2. Women are required to take two semesters of physical education. Men are required to take a minimum of eight class hours. (A class hour is to be interpreted to mean one hour of class work for one semester.)

3. Application for admission to the College of Medicine should be made by the middle of the school year preceding the year in which the student intends to enter the College of Medicine.

4. Credit in Trigonometry must be presented before the student may begin the study of Physics.

**SOCIAL WORK**

**\*First Year**

Rhetoric 106 A, B .....	6 semester hours
General Biology 100 A, B .....	8 semester hours
Modern Europe 108 A, B (unless the student plans to take United States history in the sophomore year) .....	8 semester hours

**Second Year**

Principles of Sociology 241 .....	3 semester hours
Social Psychology 243 .....	2 semester hours
General Psychology 200 .....	3 semester hours
Principles of Economics 220 A, B. ....	6 semester hours
United States History 201 A, B (unless the student has taken the history suggested for the freshman year) .....	6 semester hours

**Third Year**

Advanced Rhetoric 323 .....	2 semester hours
Any 2 or 3 of the following advanced sociology courses:	
Modern Social Problems 242 .....	3 semester hours
The Family 341 .....	3 semester hours
Criminology 342 .....	3 semester hours
Mental Deficiency 332 .....	2 semester hours
Mental Hygiene 335 A, B. ....	4 semester hours
American Government 230 A, B. ....	6 semester hours

**Fourth Year**

Any 1 or 2 of the following (to complete 4 required courses in advanced sociology):	
Rural Sociology 245 .....	2 semester hours
Urban Sociology 340 .....	2 semester hours
Population 343 .....	3 semester hours
Principles of Social Work 348 .....	4 semester hours
Social Work Practice 349 .....	3 semester hours
Psycho-Educational Problems 309 .....	2 semester hours

\*Professional training for social work is today largely restricted to the graduate level by the leading schools of social work. This pre-professional curriculum permits from 49 to 53 hours of electives, only recommended courses being indicated in the above outline. Therefore students pursuing it should plan to complete a curriculum conforming to the degree requirements. Social science should be the field of major sequences, while a minor sequence may be chosen from any field of special interest to the student. If a certificate in teaching is also desired, courses must be selected so that the requirements in some one of the certificate curricula are fulfilled.

Note.—A course in library methods is required.