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DETAILS
of
CURRICULA

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KALAMAZOO, MICHIGAN
1941-1942
DETAILS OF CURRICULA

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 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."
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 either the degree of Bachelor of Science or the degree of Bachelor of Arts.

GENERAL DEGREE (WITHOUT TEACHING CERTIFICATE)

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 5 to 6 except the professional requirement in Group IV, the degree of Bachelor of Arts or Bachelor of Science may be granted without the teaching certificate.

SECOND BACHELOR'S DEGREE

A graduate of Western Michigan College with the degree of Bachelor of Science who subsequently becomes a candidate for the degree of Bachelor of Arts or vice versa is required, in addition to the credits he already has, to complete 30 semester hours of resident credit and to satisfy any other specific requirements for the degree.

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. 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. See page 29).

4. Courses must be selected so that the requirements in some one of the provisional certificate curricula are fulfilled. (This requirement does not apply to the General Degree curriculum, without teaching certificate. See page 28).

5. All degrees include certain requirements of majors and minors.

MAJOR AND MINOR REQUIREMENTS AND REGULATIONS

Requirements

(A major is a sequence of courses totaling a minimum of 24 semester hours; a minor is a sequence of courses totaling a minimum of 15 semester hours.)
1. **General Degree (without Teaching Certificate).** The academic training shall include a major and a minor. (See page 28).

2. **Bachelor's Degree and State Elementary Provisional Certificate.** 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.

3. **Bachelor's Degree and State Secondary Provisional Certificate.** The academic training shall include one major and two minors, in subjects or subject fields in which the applicant expects to teach.

### Regulations and Suggestions

1. In the "Details of Departmental Courses," pages 102 and 184 of the current yearbook, see the introductory statement for each department preceding its description of courses, for its approved major and minor course sequences. Students should consult the departmental advisers for approval of their major and minor programs.

2. It is permissible to use as a "group" major a combination of courses from related departments, as in the several science departments and in the several social science departments, if and as approved by departmental advisers.

3. Group requirements (Groups I, II and III) of the several curricula, may be satisfied through the use of major and minor sequences. Likewise short sequential requirements of some of the curricula may sometimes be included as parts of major or minor groupings.

4. Minors may often be related to majors, so as to recognize naturally or closely related fields; for example, mathematics and physics, history and geography, literature and history, etc.

5. Students who wish to major in any of the "special" fields—art, commerce, home economics, industrial arts, music, physical education, and special education—should pursue the desired special curriculum. (See pages 12 to 27). These curricula lead to either or both the Elementary Provisional Certificate and the Secondary Provisional Certificate.

For students, however, who are pursuing any of the elementary curricula (early, later, rural), or the secondary curriculum (including rural), a minor in the above fields is permitted, but not a major. (See footnotes of each curriculum.)

### Restrictions

1. It is usually not permissible to use education as a major or minor in any undergraduate curriculum.

2. The following courses are not to be counted as satisfying major and minor requirements:
   - Required courses in rhetoric (See Group I).
   - Uniformly required courses in education from Group IV:
     - Educational Psychology 250, Principles of Teaching 240 or 251, Foundations of Modern Education 353, and Directed Teaching 371, 372.
   - Professional courses numbered 300T to 302T. These are courses in teaching school subjects, hence give credit in education.

3. A combination of foreign languages, or of English or American literature with a foreign language, is not permissible. The major or minor must be in one language only.
4. Mathematics may not be combined with Science (physics, geography, chemistry, biology) for a major or minor sequence.

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 Michigan 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 Note 1.)

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 Note 2.)

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 "Important Directions to Holders of Limited Certificates Based on the Michigan Teachers' Certification Code", page 9.)

Academic and Residence 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 in this institution 15 semester hours;
c. have been in residence in this institution the semester or summer session immediately preceding graduation;

Note 1. The holder of the State Elementary Provisional Certificate may be issued the State Elementary Permanent Certificate, when 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 left of the certificate for not less than three years in elementary schools in the state of Michigan.

Note 2. 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 3. 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.
   (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 this institution at least 30 semester hours.

Note 4. 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 5. No teacher's certificate will be granted to any person who is less than eighteen years of age.

Note 6. 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.
"Important Directions to Holders of Limited Certificates Based on the Michigan Teachers' Certification Code

Caution: No person can be employed to teach in any school district unless he is legally qualified by holding a valid certificate. In order that the holder of any limited certificate may retain without interruption his status as a legally qualified teacher, he must make application for renewal to the State Board of Education between April 1 and September 1 of the year the certificate expires; if the candidate on the expiration of the certificate does not arrange for renewal as here stated, he will forfeit his status as a legally qualified teacher, and therefore will not be permitted to teach. He will, however, remain eligible to make application for renewal until June 30 of the year following expiration of his certificate after which date renewal privileges are canceled.

A. To the holder of the State Limited Certificate or of the State Limited Renewal Certificate.

1. The holder of a State Limited Certificate may be issued (five times) a State Limited Renewal Certificate provided the candidate shall have met the following conditions:

(a) Subsequent to the date of issue of the last certificate held, the candidate must have acquired 10 semester hours of credit, of an average grade of "C" or better, earned in an institution or accepted by an institution approved by the State Board of Education. These credits must be applicable toward the requirements of the curriculum prescribed for the State Provisional Certificate eventually desired. Not less than 5 semester hours must be earned in residence; the remainder may be earned in extension study but of this not to exceed 3 semester hours may be correspondence study credit.

(b) In order to assure that the credits earned toward renewal will apply on the State Provisional Certificate curriculum at the institution where the candidate intends to qualify eventually for that certificate, the candidate should arrange in advance in each case to have his course selections approved by that institution. Also all credits wherever earned should be submitted to that institution for evaluation and by it transmitted to the State Board of Education with recommendations.

B. To the holder of the County Limited Certificate or of the County Limited Renewal Certificate.

1. The holder of a County Limited Certificate may be issued (two times) a County Limited Renewal Certificate each valid for two years provided the candidate shall have met the following conditions:

(a) Subsequent to the date of issue of the last certificate held, the candidate must have acquired 10 semester hours of credit, of an average grade of "C" or better, earned in an institution or accepted by an institution approved by the State Board of Education. These credits must be applicable toward the requirements of the curriculum prescribed for the State Limited Certificate and for the State Provisional Certificate. Not less than 5 semester hours must be earned in residence; the remainder may be earned in extension study but of this not to exceed 3 semester hours may be correspondence study credit.

(b) In order to assure that the credits earned toward renewal will apply on the State Limited Certificate curriculum, and on the
State Provisional Certificate curriculum at the institution where the candidate intends to qualify for either certificate, the candidate should arrange in advance in each case to have his course selections approved by that institution. Also all credits wherever earned should be submitted to that institution for evaluation and by it transmitted to the State Board of Education with recommendations."

Note.—More complete information concerning the several teachers' certificates may be obtained from Bulletin No. 601, Teachers' Certification Code, published by the Superintendent of Public Instruction, Lansing, Michigan.

Additional Regulations Governing Students at Western Michigan 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 8 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 page 28).

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.
THE CURRICULA

Programs of study in Western Michigan College of Education 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.
ART CURRICULUM

B.S. Degree

(For the preparation of teachers and supervisors of art)

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

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.
## BUSINESS EDUCATION 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 28, and the Pre-Professional suggestions on page 29).

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

### Group II. Science
- Biology, botany, chemistry, geology, physics, zoology .......... 12 semester hours
- General Psychology 200 ........................................ 3 semester hours

### Group III. Social Science
- Principles of Economics 220A, B ................................ 6 semester hours
- Electives in economics ............................................ 9 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 V. 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. Advanced Accounting Principles 310A, B .................... 6 semester hours
  4. Business Law 320A, B ........................................... 6 semester hours

### Group VI. 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** ......................................................... 18-20 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 253 ...................... 2 semester hours
Early Elementary Education 200, 305A, B .................. 8 semester hours
Psychology of Childhood 306 ......................................... 3 semester hours
Teaching of Handwriting 100, 101 ......................... 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 ................................................................. 26 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.
DETAILS OF CURRICULA

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 121 A, B ........................................ 5 semester hours
   Advanced Benchwork 106 ............................................... 3 semester hours
   General Shop 202 ....................................................... 3 semester hours
   Finishing 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.
DETAILS OF CURRICULA

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 100 .......................................... 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

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 320A, 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
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
Elective ................................................................. 2 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
Psychology of Coaching 301 ................................................. 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) .................................. 12 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 274 A, 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 285 ..................................... 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\(^2\) ........................................ 12 semester hours
Rhetoric (in addition) ......................................................... 8 semester hours

Group II. Science
Biology, chemistry, geology, mathematics, physics ........................... 8 semester hours
Introductory Geography 105A, B ........................................... 6 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 individual 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 ............................................................................. 40 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 285
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)

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

Group I. English
Rhetoric (in addition) ....................................... 6 semester hours

Group II. Science
........................................................................... 8 semester hours

Group III. Social Sciences
Rural Economics 240 ......................................... 3 semester hours
Rural Sociology 240 ........................................... 3 semester hours
Elective ................................................................ 3 semester hours

Group IV. Education
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 120 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 255 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, under the guidance of the departmental adviser, among both group and general electives that will facilitate individualization on the basis of personal and professional needs.
RURAL SECONDARY SCHOOL CURRICULUM

A.B. or B.S. Degree

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

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 (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 Secondary 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 (preferably a combination 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 related subjects or miscellaneous with the consent of the adviser.

Rural Agricultural Secondary 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. The remaining sequences should be chosen with the consent of the adviser.
SECONDARY SCHOOL CURRICULUM
A.B. or B.S. Degree
(For the preparation of teachers of Grades 7, 8, 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
Foundations of Modern Education 353 ................................. 2 semester hours
Special methods (e.g. Teaching of Social Studies 300T) ............ 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 Secondary 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 ................................................................. 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 285) ............................ 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 ................................................................. 2 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 ................. 2 semester hours
    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 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. 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 sub-
   jects or subject fields taught in the elementary grades or in special classes for
   mentally retarded children.
**SPECIAL EDUCATION CURRICULUM—2**

**B.S. Degree**

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

<table>
<thead>
<tr>
<th>Group</th>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td><strong>Group I. Language and Literature</strong></td>
<td></td>
<td>12 sem. hr.</td>
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<tr>
<td>Rhetoric (in addition)</td>
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<td>8 sem. hr.</td>
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<td><strong>Group II. Science</strong></td>
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<td>Science or mathematics</td>
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<td>5 sem. hr.</td>
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<td>General Biology 101A, B</td>
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<td>8 sem. hr.</td>
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<td>General Psychology 200</td>
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<td>3 sem. hr.</td>
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<td>Abnormal Psychology 305</td>
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<td>2 sem. hr.</td>
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<td><strong>Group III. Social Science</strong></td>
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<td>12 sem. hr.</td>
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<td>Including two sem. hours of political science</td>
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<td><strong>Group IV. Education</strong></td>
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<td>Educational Psychology 250</td>
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<td>Principles of Teaching 251</td>
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<td>Education of Exceptional Children 331</td>
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<td>Mental Deficiency 332</td>
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<td>Foundations of Modern Education 353</td>
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<td>Methods of Teaching Arts and Crafts (Kalamazoo State Hospital)</td>
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<td>Directed Teaching 373</td>
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<td><strong>Groups V and VI. Fine and Practical Arts</strong></td>
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<td>Art</td>
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<td>Special Education Shop 208</td>
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<td>Arts and Crafts (Kalamazoo State Hospital)</td>
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<td>Stitchery and Textiles</td>
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<td>Plastic Arts</td>
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<td>Metal and Jewelry</td>
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<td>Leather Work</td>
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<td>Handicrafts</td>
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<td>Electives</td>
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**Note.—**

1. A course in library methods is required.
2. Four class hours of physical education are required. (A class hour is to be interpreted to mean one hour of class work for one semester.)
3. In addition to the above 80 sem. hours of college work, the student must spend 27 months at the Kalamazoo State Hospital and affiliated hospitals for which 40 sem. hours of college credit is allowed on this curriculum only. Two sem. hours of the 40 allowed is credited in education, and 20 sem. hours is credited toward a major in Groups V and VI, Fine and Practical Arts.
4. Sixty sem. 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 sem. hours of credit must be earned by the student during the 27 months of training in Occupational Therapy.
5. This course is open to women students only.
DETAILS OF CURRICULA

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 ............................................................. 3 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 ......................................... 3 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 ................................................. 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 ............................................................... 35-38 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; Introduction to Speech Correction 230; Principles of Speech Correction 231; Phonetics 318 and Basic Voice and Speech Science 319. See Department of Speech announcements, page 178 of the general catalog.
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 5 and 6, 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 languages 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 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 ............................................................... 76 semester hours

Note.—1. A course in library methods is required.
2. The total minimum requirement is 120 semester hours.
3. One major and one minor sequence must be included.
PRE-PROFESSIONAL CURRICULA

It is no longer possible for a student to enter professional colleges and universities directly from high school. Pre-professional college training is now required. Most of the best professional schools of the country have prescribed more or less definitely the nature of the college work prerequisite to professional training. The amount of college training required by leading universities in preparation for the various professions, such as law, medicine, dentistry, etc., has in recent 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 these 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 Michigan College of Education offers two and, in some cases, three or four years of work preparatory in professional study.

Pre-professional curricula have been developed in Business Administration, Dentistry, Engineering, Forestry, Journalism, Law, Medicine, and Social Work. In addition to the standard pre-professional curricula, combined curricula approved by the State Board of Education have been 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 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 Michigan College of Education, providing all General Degree requirements for the Bachelor's Degree have been satisfied. It will be seen that this shortens by one year the time necessary for obtaining both degrees.

The professional schools and colleges with which Western Michigan College of Education has agreements concerning combined curricula reserve the right to refuse admission for certain reasons. Because of this, Western Michigan College of Education 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 including the junior year is required for the Bachelor's Degree in the combined curricula. Combined curricula have been arranged with the Law School, the School of Forestry, and the School of Dentistry of the University of Michigan. There are also combined curricula with the College of Medicine, Wayne University, and the Detroit College of Law.

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 Michigan College of Education who plan to enroll later in the University School of Business Administration are advised to take four years of work at Western Michigan College of Education 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 Michigan College of Education 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 ............. 6-8 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) .... 2-8 semester hours
Principles of Economics 220 A, B ...................... 6 semester hours
Mathematics 200, or 205 A, B, or 211, or 227, or 228 .... 2-9 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.)
DETAILED OF CURRICULA

DENTISTRY
(Combined Curriculum in Letters and Dentistry)

First Year
Rhetoric 106 A, B ........................................... 6 semester hours
General Biology 100 A, B .................................... 8 semester hours
Electives (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
Electives ...................................................... 12 semester hours

Third Year
Organic Chemistry 306 A, B .................................. 10 semester hours
Electives ...................................................... 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 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 page 5.
# COMBINED CURRICULUM IN ENGINEERING AT WESTERN MICHIGAN COLLEGE OF EDUCATION

## First Year

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rhet. 106A—Rhet. &amp; Comp</td>
<td>Rhet. 106B—Rhet. &amp; Comp</td>
</tr>
<tr>
<td>Elective</td>
<td>Elective</td>
</tr>
<tr>
<td>Physical Education</td>
<td>Physical Education</td>
</tr>
<tr>
<td>Library Methods</td>
<td></td>
</tr>
</tbody>
</table>

Total hours: 16

## Second Year

### For Chemical and Metallurgical Fields

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math. 205A—Calculus</td>
<td>Math. 205B—Calculus</td>
</tr>
<tr>
<td>Ch. E. 1 Equivalent (new)</td>
<td>Met. Proc. 2 Equivalent (new)</td>
</tr>
</tbody>
</table>

Total hours: 17

## Third Year

### For Chemical and Metallurgical Fields

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ec. 220A—Prin. of Econ.</td>
<td>Ec. 220B—Prin. of Econ.</td>
</tr>
<tr>
<td>or Language (German preferred)</td>
<td>or Language (German preferred)</td>
</tr>
<tr>
<td>Social Science elective</td>
<td>Social Science elective</td>
</tr>
<tr>
<td>Electives</td>
<td>Speech 105A—Fundamentals</td>
</tr>
</tbody>
</table>

Total hours: 16

## Second Year

### For Other Fields

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math. 205A—Calculus</td>
<td>Math. 205B—Calculus</td>
</tr>
<tr>
<td>Ch. E. 1 Equivalent (new)</td>
<td>Met. Proc. 2 Equivalent (new)</td>
</tr>
<tr>
<td>Group 1 elective</td>
<td>Speech 105A—Fundamentals</td>
</tr>
</tbody>
</table>

Total hours: 15 or 16
# DETAILS OF CURRICULA

## Third Year

**For Other Fields**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ec. 220A—Prin. of Econ.</td>
<td>Ec. 220B—Prin. of Econ.</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>Foreign Language</td>
</tr>
<tr>
<td>or</td>
<td>or</td>
</tr>
<tr>
<td>Group III elective</td>
<td>Group III elective</td>
</tr>
<tr>
<td>or</td>
<td>or</td>
</tr>
<tr>
<td>Elective</td>
<td>Elective</td>
</tr>
<tr>
<td>or</td>
<td>or</td>
</tr>
<tr>
<td>Electives</td>
<td>Electives</td>
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<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Total hours</td>
<td>Total hours</td>
</tr>
<tr>
<td>15 or 16</td>
<td>15 or 16</td>
</tr>
</tbody>
</table>

**NOTES**

Language Requirement: One year of a foreign language is required unless two years of a single foreign language were presented for entrance.

All students must have 12 semester hours in Group III—Social Science.

Electives: Differential Equations is required in Aeronautical, Electrical, and Engineering Mechanics. Geology 230 should be elected during the third year by Civils.
FORESTRY
(Combined Curriculum in Letters and Forestry)

First Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rhetoric 106 A, B</td>
<td>6</td>
</tr>
<tr>
<td>General Biology 100 A, B</td>
<td>8</td>
</tr>
<tr>
<td>Trigonometry and College Algebra 103 A, B or College Algebra and Analytic Geometry 104 A, B</td>
<td>8-10</td>
</tr>
<tr>
<td>General Mechanical Drawing 120</td>
<td>2</td>
</tr>
<tr>
<td>Electives</td>
<td>4-6</td>
</tr>
</tbody>
</table>

Second Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Chemistry 100 A, B or General Chemistry 101 A, B</td>
<td>8</td>
</tr>
<tr>
<td>Botany 221 A, B</td>
<td>8</td>
</tr>
<tr>
<td>Principles of Economics 220 A, B</td>
<td>6</td>
</tr>
<tr>
<td>Electives (to be selected from physics; Botany 222; Speech 105 A, B; Sociology 241, 242)</td>
<td>8</td>
</tr>
</tbody>
</table>

Third Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Geology 230</td>
<td>3</td>
</tr>
<tr>
<td>Surveying 210</td>
<td>3</td>
</tr>
<tr>
<td>Electives (to be selected from American Government 230 A, B; Geology 330 A, B; Organic Chemistry 306 A, B; Zoology 242; Botany 335; Geography 312 or 325)</td>
<td>24</td>
</tr>
</tbody>
</table>

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 ½ 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 page 5.
### JOURNALISM

#### First Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rhetoric 106 A, B</td>
<td>6</td>
</tr>
<tr>
<td>General Biology 100 A, B</td>
<td>8</td>
</tr>
<tr>
<td>or General Chemistry 100 A, B</td>
<td>8</td>
</tr>
<tr>
<td>United States History 201 A, B</td>
<td>6</td>
</tr>
<tr>
<td>French, German, or Spanish 100 A, B</td>
<td>8</td>
</tr>
</tbody>
</table>

#### Second Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chief American Poets 121 or American Prose 122</td>
<td>3</td>
</tr>
<tr>
<td>General Psychology 200</td>
<td>3</td>
</tr>
<tr>
<td>Principles of Sociology 241; Modern Social Problems 242</td>
<td>6</td>
</tr>
<tr>
<td>American Government 230 A, B</td>
<td>6</td>
</tr>
<tr>
<td>Principles of Economics 220 A, B</td>
<td>6</td>
</tr>
<tr>
<td>Economic History of the United States 312</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>3</td>
</tr>
</tbody>
</table>

Note.—1. A course in library methods is required.
2. Women are required to take two semester hours 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
College Algebra and Analytic Geometry 104 A, B ........... 8 semester hours
or
Introduction to Physical Science 105 A, B ..................... 6 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 (Latin
preferred) ......................................................... 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 ............................... 6 semester hours
Accounting 210 A, B .............................................. 6 semester hours
General Psychology 200 (University of Michigan only) .... 3 semester hours

Third Year

American Government 230 A, B ................................ 6 semester hours
Principles of Sociology 241 and Modern Social Problems 242 6 semester hours
Public Finance 320 ................................................. 3 semester hours
Electives (to be selected from Speech 105 A, B; Money and
Credit 221 A, B; language or literature, or laboratory
science) ................................................................. 12 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 two honor points is required by the University
of Michigan Law School.
4. 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 premedical requirements must include the following:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>6</td>
</tr>
<tr>
<td>Chemistry</td>
<td>14</td>
</tr>
<tr>
<td>Physics</td>
<td>8</td>
</tr>
<tr>
<td>Biology</td>
<td>8</td>
</tr>
<tr>
<td>French or German</td>
<td>12-16</td>
</tr>
<tr>
<td>Electives to total</td>
<td>90</td>
</tr>
</tbody>
</table>

Wayne University College of Medicine

*(Combined Curriculum in Letters and Medicine.)*

#### First Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rhetoric 106 A, B</td>
<td>6</td>
</tr>
<tr>
<td>General Biology 100 A, B</td>
<td>8</td>
</tr>
<tr>
<td>Chemistry 100 A, B or 101 A, B</td>
<td>8</td>
</tr>
<tr>
<td>French or German</td>
<td>8</td>
</tr>
</tbody>
</table>

#### Second Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Literature 107 A, B</td>
<td>6</td>
</tr>
<tr>
<td>Physics 203 A, B</td>
<td>10</td>
</tr>
<tr>
<td>Chemistry 201</td>
<td>5</td>
</tr>
<tr>
<td>French or German</td>
<td>8</td>
</tr>
</tbody>
</table>

#### Third Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quantitative Analysis 202</td>
<td>5</td>
</tr>
<tr>
<td>Organic Chemistry 306 A, B</td>
<td>10</td>
</tr>
<tr>
<td>Principles of Economics 220 A, B</td>
<td>6</td>
</tr>
<tr>
<td>Principles of Sociology 241</td>
<td>3</td>
</tr>
<tr>
<td>Psychology 200</td>
<td>3</td>
</tr>
<tr>
<td>Anatomy 211 A</td>
<td>4</td>
</tr>
<tr>
<td>Advanced Rhetoric 323</td>
<td>2</td>
</tr>
</tbody>
</table>

**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.
NURSING
(Combined curriculum in Letters and Nursing)
Bronson Hospital, Kalamazoo

A five-year curriculum leading to the B.S. and R.N. degrees. The first and fifth years are spent entirely at Western Michigan College of Education, the third entirely at Bronson Hospital. During the second and fourth years the student spends most of his time at the hospital, but takes part-time work at the college. Only that part of the combined curriculum for which the college is responsible is given below. A statement of the entire curriculum may be obtained from Bronson Hospital.

First Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rhetoric 106 A, B</td>
<td>6</td>
</tr>
<tr>
<td>General Biology 100 A, B</td>
<td>8</td>
</tr>
<tr>
<td>General Chemistry 100 A, B</td>
<td>8</td>
</tr>
<tr>
<td>Modern Europe 108 A, B</td>
<td>8</td>
</tr>
</tbody>
</table>

Second Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anatomy 211 A</td>
<td>3</td>
</tr>
<tr>
<td>Physiology 211 B</td>
<td>2</td>
</tr>
<tr>
<td>Chemistry for Nurses 106</td>
<td>2</td>
</tr>
<tr>
<td>Bacteriology 212 A</td>
<td>3</td>
</tr>
<tr>
<td>Hygiene 112</td>
<td>2</td>
</tr>
<tr>
<td>Nutrition 211</td>
<td>2</td>
</tr>
</tbody>
</table>

Fourth Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sociology 241, 242</td>
<td>6</td>
</tr>
<tr>
<td>General Psychology 200</td>
<td>3</td>
</tr>
</tbody>
</table>

Fifth Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>English or Foreign Language</td>
<td>12</td>
</tr>
<tr>
<td>Advanced Rhetoric 323</td>
<td>2</td>
</tr>
<tr>
<td>Organic Chemistry 306 A</td>
<td>5</td>
</tr>
<tr>
<td>Foundations of Modern Education 353</td>
<td>2</td>
</tr>
<tr>
<td>Educational Psychology 250</td>
<td>3</td>
</tr>
</tbody>
</table>

Note.—1. A course in library methods is required.
2. Four class hours of physical education are required.
3. In addition to the 90 semester hours of work outlined above, the student is allowed 40 semester hours college credit on this curriculum only for the work done in the hospital. The student in this curriculum is permitted to present a major in nursing.
### 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 ................................... 6 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) .... 3 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.