Elementary Education
Major/Minor Endorsement Options

Students admitted to O.U. beginning Spring 2005 must follow these state requirements.

### Language Arts

<table>
<thead>
<tr>
<th>Required Courses for Major and Minor:</th>
<th>Major = 36 credits, Minor = 24 credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG</td>
<td>Select from ENG 100, ENG 105, ENG 111, ENG 112, ENG 224, ENG 241, ENG 303, ENG 305, ENG 306, ENG 312. (3 credits minimum)</td>
</tr>
<tr>
<td>ALS 176</td>
<td>The Humanity of Language (4)</td>
</tr>
<tr>
<td>RDG 332</td>
<td>Literature for Children (4) (3 credits minimum)</td>
</tr>
<tr>
<td>RDG 331</td>
<td>Teaching of Reading (4)</td>
</tr>
<tr>
<td>RDG 333</td>
<td>Teaching the Language Arts (4)</td>
</tr>
<tr>
<td>RDG 414</td>
<td>Reading Appraisal in the Elementary Classroom (4)</td>
</tr>
</tbody>
</table>

**Additional Courses Required for Majors Only:**

- **Writing Component:** One course from the following: RDG 334, ENG 215, ENG 380, ENG 383, ENG 386, JRN 200, JRN 312, JRN 405, or RHT 320
- **Oral Language Component:** One course from the following: COM 201, COM 202, COM 303, COM 305, COM 307, COM 360, **THA 100**, THA 105, THA 210, THA 211, or THA 330.
- **Additional Electives:** One course from the Writing Component, Oral Language Component or one of the following: ALS 334, ALS 335, ALS 374, ALS 375, ALS 376, IST 464, or RDG 490.

Complete MTTC subject test number 90 – Language Arts (Elementary)

### Mathematics

<table>
<thead>
<tr>
<th>Required Courses for Major and Minor:</th>
<th>Major = 30 credits, Minor = 20 credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 225</td>
<td>Introduction to Statistical Concepts and Reasoning (4)</td>
</tr>
<tr>
<td>MTE 210</td>
<td>Numerical Structures (4)</td>
</tr>
<tr>
<td>MTE 211</td>
<td>Structures of Geometry (4)</td>
</tr>
<tr>
<td>MTE 410</td>
<td>Elementary School Mathematics and the Computer (4)</td>
</tr>
<tr>
<td>MTH 141</td>
<td>Pre-Calculus (4) *</td>
</tr>
<tr>
<td>*Students who place out of MTH 141 may elect 4 credits from the following:</td>
<td></td>
</tr>
<tr>
<td>MTH 118, 122 or 154.</td>
<td></td>
</tr>
</tbody>
</table>

Approved courses to select from to complete the Major or Minor in Mathematics:

MTH 118, 122, 142, 154, CSE 130, 141 or MTE 405.

Complete MTTC subject test number 89 - Mathematics (Elementary)

### Modern Languages

| The minor in Modern Languages requires 24 credits in one of the following languages (all credits must be from the same language). A minimum of 8 credits must be taken at the 300 level or above: |
|--------------------------------------|----------------------------------------|
| FRH                                  | French |
| GRM                                  | German |
| RUS                                  | Russian |
| SPN                                  | Spanish |

The major in Modern Languages requires 36 credits in one of the above languages (all credits must be from the same language). A minimum of 20 credits must be taken at the 300 level or above.

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### Integrated Science

**Major = 36 credits, Minor = 28 credits**

**Required Courses Minor:**
- SCS 105 Science for the Elementary Teacher (4)
- BIO 104 Human Biology (4)
- BIO 300 Biology and Society (4)
- CHM 104 Introduction to Chemical Principals (4)
- PHY 101 General Physics I (4)
- PHY  Select from PHY 104 Astronomy: The Solar System or PHY 106 Earth Sciences (both needed for major) (4)
- SCI 100 Physical Sciences in Life, The World and Beyond (4)

**Additional Courses Required for Majors Only:**
- PHY Elective: PHY 104 or PHY 106 (both needed for major) (4)
- Elective: Select from BIO 111, SCS 306, CHM 300, PHY 102 or PHY 120 (4)

Integrated Science Major = 36 credits minimum, Integrated Science Minor = 28 credits minimum

Complete MTTC subject test number 93 – Integrated Science (Elementary)

### Social Studies

**Major = 36 credits, Minor = 8 courses, 24 credits minimum**

**Required Courses for Major and Minor:**
- HST 114 Introduction to American History Before 1877 (4)
- HST 115 Introduction to American History Since 1877 (4)
- PS 100 Introduction to American Politics (4)
- PS One additional Political Science course required. Select from one of the following: PS 131, 314, or 329
- ECN 200 Principles of Macroeconomics (4)
- ECN 201 Principles of Microeconomics (4)
- GEO 200 Global Human Systems (4)
- GEO 106 Earth Sciences (also listed as PHY 106)

Approved courses to select from to complete the Major or Minor in Social Studies:
Completion of the above requirements at O.U. will result in earning 32 credits. Additional credits may be selected from any Political Science listed above or HST 102 or HST 321.

Complete MTTC subject test number 84 – Social Studies

### Additional Information

1. **BOLD** courses indicate classes that may also fulfill Oakland University General Education requirements. See the O.U. Undergraduate Catalog for a list of courses.
2. A minimum of one major or two minors is required.
3. The major/minor areas selected will be the students’ teaching endorsement areas upon graduation. Oakland University recommends completing two endorsements whenever possible. Two endorsements are required for teaching at the middle school level.
4. Most courses listed are not offered every semester.
5. Any course that is transferred into Oakland University from another institution must be a minimum of 3 semester credits in order to satisfy a 4-credit Oakland University course.
6. Beginning with the Fall 2001 semester, all major/minor courses must have a grade of 2.50 or B- or higher to be counted towards the major/minor area.
7. Students will be required to pass an MTTC Subject Area test in each of their major/minor areas of study prior to the student teaching semester.
8. The SEHS Advising Office reserves the right to modify this document in the event of program changes within SEHS or certification changes by the Michigan Department of Education.

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