**I. General Education Requirements** (41 S.H. plus HPX)*

- **Communication Skills** (3 S.H.)
  - COM 160, 161, 162 or 163
  - Has completed one Writing Intensive (W) course

- **Humanities** (15 S.H. minimum including 3 of 7 fields)
  - Fine and Applied Arts - only 1 studio course accepted toward minimum -Foreign Language, Humanistic Studies, Literature, Philosophy, Western History, Communication
  - Fine/Applied Arts
  - HIS 148 American History: To 1877 or
  - HIS 149 American History: Since 1877

- **Foreign Language - See Below - **

- **Social & Behavioral Sciences** (12 S.H. minimum including 2 of 3 fields: Non-Western Culture, Psychology, Social Sciences)
  - PSY 100 Introduction to Psychology

- **Natural Sciences & Mathematics** (12 S.H. minimum)
  - PHY 110, 111 General Physics I & II (Calculus) (4-4)
  - MAT 181 Calculus I

- **Health Promotion and Exercise Sciences** (2 S.H.)
  - HPX 177 Fitness for Life

**II. MAJOR REQUIREMENTS** (36 Semester Hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AST 150</td>
<td>General Astronomy</td>
<td>4</td>
</tr>
<tr>
<td>ES 103</td>
<td>Planet Earth</td>
<td>4</td>
</tr>
<tr>
<td>ES 110</td>
<td>Physical Geology</td>
<td>4</td>
</tr>
<tr>
<td>ES 210</td>
<td>Intro To Physical Oceanography</td>
<td>4</td>
</tr>
<tr>
<td>MTR 150</td>
<td>Meteorology</td>
<td>4</td>
</tr>
<tr>
<td>MTR 230</td>
<td>Weather analysis and Forecasting I (4 SH)</td>
<td>4</td>
</tr>
<tr>
<td>Or</td>
<td>EPS 220 Seminar in Earth &amp; Planetary Sci I (2 SH)</td>
<td>4</td>
</tr>
<tr>
<td>Or</td>
<td>EPS 221 Seminar in Earth &amp; Planetary Sci II (2 SH)</td>
<td>4</td>
</tr>
</tbody>
</table>

Track Options (12 S.H.) - See Reverse Side.

**III. Secondary Education Certification Requirements (35 S.H.)**

See reverse side for listing of required courses and minimum grade for Secondary Education Certification

**IV. Free Electives (11 S.H.)**

**Foreign Language Requirement Completed:** Yes____ No____

+Minimum of 125 S.H. and a 3.0 (subject to change) GPA for B.S. Degree

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*General education requirements at Western total 42 semester hours. In some instances, work toward a major program partially fulfills general education requirements. The remaining general education requirements for this program are shown above.

**If the foreign language requirement has been met, students must select another 9 S.H. of course work under the Humanities category.

6/09, 6/25/09, 11/11, 12/11, 4/12, 5/12 (Effective Fall 2012)
B.S. Earth Science

Track Options - Choose One

Earth & Planetary Sciences **Option** (12 Semester Hours)
- AST 231 Intro to Planetary Science 4 S.H.
- EPS 331 Practicum in Earth & Planetary Sci 4 S.H.
- EPS 450 Senior Research 4 S.H.

Meteorology Option (12 Semester Hours)
- MTR 240 Climatology 3 S.H.
- MTR 310 Atmospheric Thermodynamics 3 S.H.
- MTR 311 Atmospheric Dynamics 3 S.H.
- MTR 340 Mesoscale Meteorology & Numerical Forecasting 3 S.H.

Secondary Education Certification

Students must maintain a minimum G.P.A. of 3.0 (subject to change). Grades from other institutions will be used to calculate the cumulative G.P.A. for admission to and retention in the education program. WCSU graduation requires a minimum 3.0 G.P.A. (subject to change) on WCSU coursework.

This major may be selected by a student seeking a secondary education teaching certificate.

Formal admission into this Secondary Education Program by the Education Department is required. A student will earn a Bachelor of Science degree. A minimum of 125 semester hours is required for a B.S. degree. Passing Praxis I (or a waiver) and Praxis II is required before admittance to the Secondary Education Program will be granted.

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Secondary Education Certification Requirements (35 S.H.)

- **EPY204**  
  *Adolescent Development in School Setting (Prereq: PSY 100)* 3____

- **ED 206**  
  *Introduction to Education* 3____

- **HPX215**  
  *Health Issues in the School* 3____

**Professional Semester**

- **EPY405**  
  *Introduction to Special Education (Prereq: EPY 204)* 3____

- **ED 385**  
  *Methods of Teaching in Secondary Schools* 3____

- **ED 386**  
  *Secondary Professional Development School Experience* 1____

- **ED 440**  
  *Integrating Language (Fall Only)* 3____

- **ED 442**  
  *Teaching Science in Secondary Schools* 3____

**Student Teaching (13 S.H. Spring Semester Only)**

- **ED/MED340**  
  *Assessment of Teaching Strategies* 1____

- **ED 342**  
  *Student Teaching* 12____

◆ A minimum grade of “C” is required in each of these courses.
◆◆ A minimum grade of “B” is required in each of these courses.

6/09, 6/25/09, 11/11, 12/11, 4/12 (Effective F 2012)