

**WESTERN CONNECTICUT STATE UNIVERSITY**

**B.S. Earth Science**

Student \_\_\_\_\_

**Secondary Ed. Certification (7-12)**

Box \_\_\_\_\_

**Office Admissions Evaluation of Transfer Credit**

**Entering Date** \_\_\_\_\_ **day/eve/full/part-time**

**Previous Schools(s)** \_\_\_\_\_

Number	Title	Credits
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**I. General Education Requirements (41 S.H. plus HPX)\***

**Communication Skills (3 S.H.)**

◆COM 160, 161, 162 or 163 \_\_\_\_\_ 3 \_\_\_\_\_

◆Has completed one Writing Intensive (W) course Yes \_\_\_\_\_ No \_\_\_\_\_

**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 \_\_\_\_\_ 3 \_\_\_\_\_

◆HIS 148 American History: To 1877 *or*

HIS 149 American History: Since 1877 \_\_\_\_\_ 3 \_\_\_\_\_

**\*\*Foreign Language - See Below - \*\***

\_\_\_\_\_ 3 \_\_\_\_\_

\_\_\_\_\_ 3 \_\_\_\_\_

\_\_\_\_\_ 3 \_\_\_\_\_

**Social & Behavioral Sciences (12 S.H. minimum including 2 of 3**

fields: Non-Western Culture, Psychology, Social Sciences)

◆PSY 100 Introduction to Psychology \_\_\_\_\_ 3 \_\_\_\_\_

\_\_\_\_\_ 3 \_\_\_\_\_

\_\_\_\_\_ 3 \_\_\_\_\_

\_\_\_\_\_ 3 \_\_\_\_\_

**Natural Sciences & Mathematics (12 S.H. minimum)**

PHY 110, 111 General Physics I & II ( Calculus) (4-4) \_\_\_\_\_ 8 \_\_\_\_\_

MAT 181 Calculus I \_\_\_\_\_ 4 \_\_\_\_\_

**Health Promotion and Exercise Sciences (2 S.H.)**

HPX 177 Fitness for Life \_\_\_\_\_ 2 \_\_\_\_\_

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

AST 150 General Astronomy \_\_\_\_\_ 4 \_\_\_\_\_

ES 103 Planet Earth \_\_\_\_\_ 4 \_\_\_\_\_

ES 110 Physical Geology \_\_\_\_\_ 4 \_\_\_\_\_

ES 210 Intro To Physical Oceanography \_\_\_\_\_ 4 \_\_\_\_\_

MTR 150 Meteorology \_\_\_\_\_ 4 \_\_\_\_\_

MTR 230 Weather analysis and Forecasting I (4 SH)

Or EPS 220 Seminar in Earth & Planetary Sci I (2 SH) and

EPS 221 Seminar in Earth & Planetary Sci II (2 SH) \_\_\_\_\_ 4 \_\_\_\_\_

**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.)+**

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**Foreign Language Requirement Completed: Yes \_\_\_\_\_ No \_\_\_\_\_**

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

**Foreign Language Requirement Met Through High School Exemption Yes \_\_\_\_\_ No \_\_\_\_\_**

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**Total Transfer Credits** \_\_\_\_\_

\*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 F

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.

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### 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	<i>Adolescent Development in School Setting(Prereq: PSY 100)</i>	3 _____
◆◆ED 206	Introduction to Education	3 _____
◆◆HPX215	Health Issues in the School	3 _____

#### *Professional Semester*

◆◆EPY405	Introduction to Special Education ( <i>Prereq: EPY 204</i> )	3 _____
◆◆ED 385	Methods of Teaching in Secondary Schools	3 _____
◆◆ED 386	Secondary Professional Development School Experience	1 _____
◆◆ED 440	Integrating Language ( <i>Fall Only</i> )	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.

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