ENVIRONMENTAL STUDIES MINOR and ENVIRONMENTAL AND SUSTAINABILITY EDUCATION SPECIALTY ENDORSEMENT

Department of Teacher Education, Whitworth University

Meets the Environmental Sustainability Education Specialty Endorsement requirements for the State of Washington

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| **Name:** | ID#: | Today’s Date: |

For all transfer courses, list the actual course taken (not the Whitworth equivalent).

All coursework must be grade of “C” or higher. Certification requirements are subject to change by the State of Washington. Candidates must pass the WEST-E / NES in Environmental and Sustainability Education in addition to the following requirements.

##### REQUIREMENTS FOR AN ENVIRONMENTAL STUDIES MINOR (16-17 semester credits)

**(Meets Washington State Environmental Studies minor requirements)**

**Requirement/Course Number and Name Credit Tm/Yr Grade College/Univ.**

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| --- | --- | --- | --- | --- | --- |
| BI 120 | Introduction to Environmental Science (*Can meet Natural Science Requirement) (Spring)* | 3 |  |  |  |
| PO/EC 250 | Environment and Society  | 3 |  |  |  |

***One of the following:***

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| --- | --- | --- | --- | --- | --- |
| TH 214 | Theology and Ecology | 3 |  |  |  |
| TH 212 | Redemption of Creation | 3 |  |  |  |

***One of the following with advisor approval: Natural Sciences***

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| --- | --- | --- | --- | --- | --- |
| BI 102 | Introductory Biology *(Spring)* | 3 |  |  |  |
| BI 105 | Plants and Culture *(Jan periodically)* | 3 |  |  |  |
| BI 111 | Marine Biology *(Jan periodically)* | 3 |  |  |  |
| BI 140 | General Biology I *(Fall)* | 4 |  |  |  |
| BI 240 | General Biology III | 4 |  |  |  |
| BI 303 | Plant Taxonomy *(Spring even years)* | 4 |  |  |  |
| BI 304 | Ecological Measures *(Fall odd years)* | 4 |  |  |  |
| BI 305 | Landscape Ecology *(Spring periodically)* | 4 |  |  |  |
| BI 311 | General Biochemistry *(Fall and Spring)* | 3 |  |  |  |
| BI 323 | Animal Physiology | 4 |  |  |  |
| BI 324 | Animal Behavior *(Fall odd years)* | 4 |  |  |  |
| BI 331 | Plant Physiology *(Spring odd years)* | 4 |  |  |  |
| BI 341 | Central American Field Ecology *(Jan even years)* | 4 |  |  |  |
| BI 345 | Ecology *(Spring)* | 4 |  |  |  |
| BI 347 | Global Change Ecology | 4 |  |  |  |
| BI 350 | Comparative Vertebrate Anatomy *(Spring)* | 4 |  |  |  |
| BI 363 | Genetics | 4 |  |  |  |
| BI 369 | Mycology *(Fall periodically)* | 4 |  |  |  |
| BI 399 | Molecular Genetics *(Fall)* | 3 |  |  |  |
| CH 111 | Green Chemistry *(Jan periodically)* | 3 |  |  |  |
| CH 112 | Chemistry and Health *(Jan periodically)* | 3 |  |  |  |
| CH 122 | Chemistry in Modern Living *(Jan periodically)* | 3 |  |  |  |
| CH 161 | General Chemistry I *(Fall and Spring)* | 3 |  |  |  |
| CH 181 | General Chemistry II *(Fall and Spring)* | 3 |  |  |  |
| CH 271 | Organic Chemistry I *(Fall and Spring)* | 3 |  |  |  |
| CH 331 | Environmental Chemistry *(Spring even years)* | 3 |  |  |  |
| GL 131 | Understanding Earth *(Periodic offerings)* | 4 |  |  |  |
| GL 139 | Environmental Geology *(Periodic offerings)* | 3 |  |  |  |
| PS 146 | Physics in Current Events *(Periodic offerings)* | 3 |  |  |  |
| NS 101 | Earth and Sky *(Fall, Spring)* | 3 |  |  |  |

***One of the following with advisor approval: Social Sciences & Historical Analysis***

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| --- | --- | --- | --- | --- | --- |
| EC 350 | Environmental Economics *(Periodic offerings)* | 3 |  |  |  |
| EC 381  | Sustainable Development Abroad *(Jan even years)* | 3 |  |  |  |
| EL 110 | Writing I: Section on Environmental Ethics, Sustainable Living *(Fall, Spring)* | 3 |  |  |  |
| EL 210 | Writing II *(Fall and Spring)* | 3 |  |  |  |
| EL 310 | NW Writers *(Periodic offerings)* | 3 |  |  |  |
| ENS 255 | Geographic Info Systems *(Jan Term, odd years)* | 3 |  |  |  |
| ENS 360 | Sociology of the Environment *(Spring, odd years)* | 3 |  |  |  |
| HI 384 | Pacific NW History *(Fall)* | 3 |  |  |  |
| PO 347 | Globalization in SE Asia *(Periodic offerings)* | 3 |  |  |  |
| PO 353 | International Political Economy *(Periodic offerings)* | 3 |  |  |  |
| SO 465 | Population Analysis | 3 |  |  |  |
| TH 302W | Environmental Ethics | 3 |  |  |  |

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| **REQUIREMENTS FOR AN ENVIRONMENTAL AND SUSTAINABILITY ED. ENDORSEMENT (18-20 semester credits)** |

Complete the above requirements for the Environmental Studies minor and the courses below.

 ***One of the following***:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| \*EDU 343 | Science K-9 Methods and Assessment *(Fall, Jan, Spring)* | 2 |  |  |  |
| \*EDU 455W | Science in the Secondary School *(Fall)* | 2 |  |  |  |

\*Required for the specialty endorsement in Environmental/Sustainability Education (ESE)

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| \*EDU 410 | Environmental and Sustainability Education in the K-12 Classroom *(Periodic offerings)* | 3 |  |  |  |

\*Required for the specialty endorsement in Environmental/Sustainability Education (ESE)

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| **WEST-E / NES Endorsement Content Exam** **www.west.nesinc.com / www.nestest.com***Enter proposed date of exam:* | *Indicate test taken and date passed exam:*WEST-E \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_NES \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  |

#### ATTACH THIS SHEET TO THE ELEMENTARY OR SECONDARY CERTIFICATION PLAN