# CHECKSHEET
## *Environmental Studies Curriculum*

For students beginning in fall of 2010

*10/12/11*

**CORE COURSES**

- *Minimum 41 credits*

INTRODUCTION: 3 credits

_____ ES 101: Seminar in Environmental Studies (3) <*none*>

ENVIRONMENTAL SCIENCE: 11 credits

_____ Introductory lab: any ***two*** from: Bio 105, Chem 103, Geog 121, or Geol 150 (4) <*none*>

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_____ Intermediate interdisciplinary science: ES 260: Environmental Science (3) <*Biology 105, Chemistry 103, Geography 121 or Geology 150*>

ENVIRONMENTAL POLICY & VALUES: 9 credits

_____ Intermediate social science: ES 261: Environment and Society (3) <*none*>

_____ Intermediate humanities: ES 162: Religion and Nature <*none*>, ES 243: Introduction to Nature Writing <*WBIS 188, Eng 100 or Eng 110*>, ***or*** ES 244: Japanese Nature Writing <*WBIS 188, Eng 100 or Eng 110*> (3)

_____ Intermediate history: ES 282: Environment, Community, and Values (3) <*ES 101 & 162/243/244*>

ADVANCED ENVIRONMENTAL POLICY & VALUES: 6 credits

_____ Approved upper level policy & values course other than Geography courses (3)

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ADVANCED SCIENCE: 6-7 credits

_____ Approved upper level environmental science courses (3-4)

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INTERDISCIPLINARY SEMINARS: 6 credits

_____ ES 370: Science & Policy <*ES 260 & 261*>

_____ ES 490: Senior Seminar <*ES 260, 261, & 282*>

**REQUIREMENTS FOR ENVIRONMENTAL SCIENCE EMPHASIS:**

- *Minimum 34 credits*
- *Note: breadth and depth courses cannot double-count. Also, courses taken for the upper level policy and values courses in the core cannot double count with these courses.*

ADDITIONAL INTRODUCTORY SCIENCE: 10 credits

_____ Chemistry 105 (5)

_____ Chemistry 106 (5) <*Chem 106*>

ENVIRONMENTAL SCIENCE BREADTH:
Majors are required to take courses in ***two*** of the four following ***areas***. The areas must be different than the track chosen for the depth requirement. Majors must complete two courses in this category and these courses may be the same as those taken for the Advanced Environmental Science requirement in the core. These courses may not be the same as those taken for the Advanced Environmental Policy and Values requirement in the core.

_____ **Ecology/Biology (E/B)**: Biology 349: Ecology and Evolution (3) *<Bio 105>*
_____ **Resource Management (RM)**: Geography 314: Environmental Conservation (3) *<no prerequisite>*
_____ **Earth Science (ES)**: Geology (any upper level Geology course approved for the major) (3) *<prerequisites vary>*
_____ **Chemistry**: Chemistry 221: Modern Analytic Chemistry (4) *<Chem 106>*

ENVIRONMENTAL SCIENCE DEPTH:
Majors are required to take at least ***four*** approved upper-level courses in one of the **three tracks within the Environmental Science Emphasis: Ecology/Biology (E/B) Track; Resource Management (RM) Track; and Earth Science (ES) Track.** These credits may overlap with the advanced environmental science courses taken as a part of the core. Upper level environmental science courses that are not cross-listed in any science department may be approved to serve as depth requirement courses. Up to 3 of these credits can be an internship or independent study in that department.

_____ Course in the E/B, RM, or ES Track
_____ Course in the same track
_____ Course in the same track
_____ Course in the same track

**REQUIREMENTS FOR ENVIRONMENTAL POLICY AND VALUES EMPHASIS:**

- *Minimum 21 credits*
- *Courses counted for the core environmental science section cannot double count for this section of the major.*

POLICY & VALUES DEPTH: 12-13 credits
Majors are required to take at least ***four*** approved courses in one of the **two tracks within the Environmental Policy and Values Emphasis: the Policy, Planning, & Resource Management (PPRM)** Track and the **Society & Values (S&V)** Track. Courses may overlap with the advanced environmental policy and values classes taken as a part of the core.

_____ Course from either PPRM track or the SV track
_____ Course from the same track
_____ Course from the same track
_____ Course from the same track

POLICY & VALUES BREADTH: 6-7 credits
***Two*** courses from the track not chosen for the depth requirement. Course which may overlap with the advanced environmental policy and values classes taken as a part of the core.

_____ Course from either S&V track or the PPRM track
_____ Course from the same track

POLICY & VALUES SKILLS: 3 credits
***One*** of the following courses, which cannot double count as a course in the depth or breadth requirement.

_____Communication 275: Argumentation & Debate; Communication 277: Debate Team; Communication 303: Advanced Public Speaking; Economics 355: Natural Resource Economics *<Econ 206/208 & 207/209>;* Economics 360: Environmental Economics and Policy *<Econ 206/208 & 207/209>*; ES 375: Ecosocial Advocacy *<30 credits>;* Geography 391: Introduction to Geographic Information Systems