# Degree Program Student Learning Outcome Assessment Plan

**Department:** Environmental Studies  
**Program:** BS-Environmental Studies

<table>
<thead>
<tr>
<th>Student Learning Outcome (performance, knowledge, attitudes)</th>
<th>Related CWU Strategic Outcome(s)</th>
<th>Method(s) of Assessment (What is the assessment?)*</th>
<th>Who Assessed (Students from what courses - population)**</th>
<th>When Assessed (term, dates)***</th>
<th>Standard of Mastery/ Criterion of Achievement (How good does performance have to be?)</th>
</tr>
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</table>
| 1. Students possess fundamental understanding of current environmental issues | 1.1.1 Students will achieve programmatic learning outcomes. | Course grades for Environmental Sciences majors  
ENST Major proficiency test taken by graduating seniors.  
ENST 444 final report. | ENST 201  
ENST 202  
ENST 444 | Fall, ENST 201  
Winter, ENST 202  
End of major  
ENST 444, Spring | All majors receive grade of C- or higher in ENST 201 and 202  
All majors receive greater than 80% on proficiency test in ENST 444.  
All ENST 444 final reports reflect clear understanding of the environmental issue covered. |
| 2. Students can describe the various perspectives that different constituencies bring to environmental issues | 1.1.1 Students will achieve programmatic learning outcomes. | Designated assignments and exam questions in ENST 303  
ENST 444 final report | ENST 303  
ENST 444 | Every year,  
when ENST 303 is offered  
End of major  
ENST 444, Spring | All majors receive grade of B- or higher on designated assignments and exam questions  
Final reports on Policy topic presents perspectives from at least three different constituencies |
| 3. Students make informed decisions (e.g., voting and other life choices) that account for relevant environmental issues | 1.1.1 Students will achieve programmatic learning outcomes. | ENST 444 survey  
Alumni survey | ENST 444  
Recent graduates | End of major  
ENST 444, Spring  
Recent graduates, at time of program review | All students and graduates can describe environmental implications of decisions they have recently made. |
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<td>4. Students will develop critical thinking skills necessary to carry out scientific research and assess and develop policy choices</td>
<td>1.1.1 Students will achieve programmatic learning outcomes. 3.1.2 Sustain the number of courses that include research, scholarship, and creative expression skills as key outcomes.</td>
<td>ENST 304 lab reports  ENST 444 final report  Employer surveys  Documents (papers, theses, SOURCE abstracts and presentations) from research: ENST 495 and other research credits</td>
<td>ENST 304  ENST 444  Graduates in environmental careers  Juniors and seniors</td>
<td>Each year, in ENST 304  End of major ENST 444, Spring  At time of program review</td>
<td>ENST 304 lab reports reflect ability to separate data from interpretation and create multiple hypotheses  In ENST 444 reports, students present logical arguments for different policy choices  Employers rate graduates satisfactory in critical thinking  90% of research projects culminate in A to B level reports or presentations</td>
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<td>5. Students integrate knowledge from different perspectives</td>
<td>1.1.1 Students will achieve programmatic learning outcomes.</td>
<td>ENST 303 designated assignments and exam questions  ENST 444 final report  Employer surveys</td>
<td>ENST 303 students  ENST 444 students  Recent graduates in environmental careers</td>
<td>Each year, in ENST 303  End of major ENST 444, Spring  At time of program review</td>
<td>All majors receive grade of B- or higher on designated assignments and exam questions  Final reports on Policy topic presents perspectives from at least three different constituencies  Employers rate graduates satisfactory in their ability to integrate knowledge from different perspectives</td>
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<td>6. Students possess oral and written communication skills</td>
<td>1.1.1 Students will achieve programmatic learning outcomes.</td>
<td>Papers collected from ENST 210, 304 and 444  ENST 444 oral presentations and final report  Employer surveys</td>
<td>ENST 210, ENST 304, ENST 444  ENST 444 students  Recent graduates in environmental careers</td>
<td>Every two years  End of major ENST 444, Spring  At time of program review</td>
<td>Progression seen in quality of writing from ENST 210 to ENST 304 to ENST 444.  ENST 444 final reports are free of major errors in grammar and organization.  90% of employers surveyed rate graduates as satisfactory in terms of oral and written communication skills</td>
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### Student Learning Outcome (performance, knowledge, attitudes)

**Related CWU Strategic Outcome(s)**

http://www.cwu.edu/strategic-planning/

**Method(s) of Assessment (What is the assessment?)**

Courses in area of specialization

ENST 444 proficiency test for area of specialization

Alumni surveys

**Who Assessed (Students from what courses - population)**

Graduating seniors

ENST 444

Alumni

**When Assessed (term, dates)**

At time of graduations

End of major ENST 444, Spring

At time of program review

**Standard of Mastery/ Criterion of Achievement (How good does performance have to be?)**

All graduates’ have GPA at or above 2.5 in area of specialization

All majors receive greater than 80% on proficiency test in area of specialization ENST 444.

90% of alumni report that they received adequate training in their area of specialization

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**Assessment Cycle**

**Analysis and Interpretation:** December

**Improvement Actions:** Completed by June

**Dissemination:** Completed by June

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**Assessment Oversight**

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<tr>
<th>Name</th>
<th>Department Affiliation</th>
<th>Email Address</th>
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<tbody>
<tr>
<td>Anne Johansen</td>
<td>Chemistry</td>
<td><a href="mailto:johansea@cwu.edu">johansea@cwu.edu</a></td>
<td>x2164</td>
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