

BS Degree, Environmental Science Major

<p>Learning Outcome</p> <p><i>What should a graduate in this major know, value, or be able to do at graduation and beyond?</i></p>	<p>Data Collection and Analysis</p> <p><i>What assessment tools and/or methods will you use to determine achievement of the learning outcome? Describe how the data from these tools and/or methods will be collected. Explain the procedure to analyze the data.</i></p>	<p>Results of Evaluation</p> <p><i>What were the findings of the Analysis Team? List any specific recommendations.</i></p>	<p>Use of Evaluation Results</p> <p><i>What changes in curriculum, courses, or procedures were made as a result of the program learning outcome assessment process?</i></p>
<p>Students should be able to identify and apply the basic concepts taught in the core major courses.</p>	<p>A “senior exam,” designed by faculty who teach core biology courses, has been given for the past several years. The exam items are categorized so the weaknesses in core concepts can be identified.</p>	<p>Administration of the senior exam has suggested that improvement is needed in several core content areas.</p>	<p>Course syllabi are being reviewed and will be adapted where necessary.</p>
<p>Students should be able to analyze scientific data, develop hypotheses, interpret experimental results, draw conclusions, and present outcomes to an audience.</p>	<p>Selected majors engage in internships and/or field studies and present their results. Students involved in internships are generally required to submit a summary report of their projects. We encourage students to present research results at poster presentations of regional or national meetings of scientific societies.</p>	<p>Several students have attended scientific meetings with faculty to present posters or presentations. Evaluation by involved faculty members have critiqued student performance. Evaluation is done on an individual basis involving all faculty who have overseen the projects.</p>	<p>Division curriculum committee has been discussing how to involve more students in these kinds of activities. The recommendation is that we add to the curriculum a portfolio mechanism that will require all students in all majors to take part in a two-year process that will lead to individual studies and presentations to fellow students.</p>