Table 1A. University Level Graduate Learning Outcomes for the Environmental Sciences Graduate Program.

<table>
<thead>
<tr>
<th>Degree</th>
<th>UGLO1</th>
<th>Assessment Metric</th>
<th>UGLO2</th>
<th>Assessment Metric</th>
<th>UGLO3</th>
<th>Assessment Metric</th>
</tr>
</thead>
</table>
| PhD    | Produce and defend an original significant contribution to knowledge | Complete ONE metric: Successfully defend and publish (to Scholar Archives) a written PhD dissertation | Demonstrate mastery of subject material | Complete THREE metrics:  
- Program of study approval and timely completion, **AND**  
- Cumulative GPA meets or exceeds 3.0, **AND**  
- Pass PhD Preliminary Exams | Be able to conduct scholarly or professional activities in an ethical manner | Complete ONE metric:  
- GRAD 520 with B or better grade, **OR**  
- CITI Responsible Conduct of Research Training, **OR**  
- Approved course with ethics focus |
| MS     | Conduct research or produce some other form of creative work | Complete ONE metric: Successfully defend and publish thesis **OR** Successfully defend a non-thesis project report | Demonstrate mastery of subject material | Complete TWO metrics:  
- Program of study completion and approval, **AND**  
- Cumulative GPA meets or exceeds 3.0 | Be able to conduct scholarly or professional activities in an ethical manner | Complete ONE metric:  
- GRAD 520 with B or better grade, **OR**  
- CITI Responsible Conduct of Research Training, **OR**  
- Approved course with ethics focus |
| MA     | Conduct research or produce some other form of creative work | Complete ONE metric: Successfully defend and publish thesis **OR** Successfully defend a non-thesis project report | Demonstrate mastery of subject material | Complete THREE metrics:  
- Program of study completion and approval, **AND**  
- Cumulative GPA meets or exceeds 3.0; **AND**  
- Complete language requirement | Be able to conduct scholarly or professional activities in an ethical manner | Complete ONE metric:  
- GRAD 520 with B or better grade, **OR**  
- CITI Responsible Conduct of Research Training, **OR**  
- Approved course with ethics focus |
| PSM    | Conduct research or produce some other form of creative work | Complete TWO metrics: Successfully defend internship project report, **AND** Publish an Executive Summary to ESGP website | Demonstrate mastery of subject material | Complete TWO metrics:  
- Program of study completion and approval, **AND**  
- Cumulative GPA meets or exceeds 3.0 | Be able to conduct scholarly or professional activities in an ethical manner | Complete ONE metric:  
- GRAD 520 with B or better grade, **OR**  
- CITI Responsible Conduct of Research Training, **OR**  
- Approved course with ethics focus |
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<tr>
<th>Degree</th>
<th>ESGLO1</th>
<th>Assessment Metric</th>
<th>ESGLO2</th>
<th>Assessment Metric</th>
</tr>
</thead>
<tbody>
<tr>
<td>PhD</td>
<td>Demonstrate professional development attributes consistent with expectations and effectively communicate their field of study</td>
<td>Complete ONE metric: - ENSC 508 with P grade</td>
<td>Apply critical and creative thinking to solve interdisciplinary problems within their area of concentration</td>
<td>Complete TWO metrics: - ENSC 515 with B or better grade, AND - ENSC 520 with B or better grade</td>
</tr>
<tr>
<td>MS</td>
<td>Demonstrate professional development attributes consistent with expectations and effectively communicate their field of study</td>
<td>Complete ONE metric: - ENSC 508 with P grade</td>
<td>Apply critical and creative thinking to solve interdisciplinary problems within their area of concentration</td>
<td>Complete TWO metrics: - ENSC 515 with B or better grade, AND - ENSC 520 with B or better grade</td>
</tr>
<tr>
<td>MA</td>
<td>Demonstrate professional development attributes consistent with expectations and effectively communicate their field of study</td>
<td>Complete ONE metric: - ENSC 508 with P grade</td>
<td>Apply critical and creative thinking to solve interdisciplinary problems within their area of concentration</td>
<td>Complete TWO metrics: - ENSC 515 with B or better grade, AND - ENSC 520 with B or better grade</td>
</tr>
<tr>
<td>PSM</td>
<td>Demonstrate professional development attributes consistent with expectations and effectively communicate their field of study</td>
<td>Complete ONE metric: - ENSC 508 with P grade</td>
<td>Apply critical and creative thinking to solve interdisciplinary problems within their area of concentration</td>
<td>Complete TWO metrics: - ENSC 515 with B or better grade, AND - ENSC 520 with B or better grade</td>
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