

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

University Graduate Level Outcomes						
Degree	UGLO1	Assessment Metric	UGLO2	Assessment Metric	UGLO3	Assessment Metric
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

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

Environmental Sciences Graduate Program Level Outcomes				
Degree	ESGLO1	Assessment Metric	ESGLO2	Assessment Metric
PhD	Demonstrate professional development attributes consistent with expectations and effectively communicate their field of study	Complete ONE metric: - ENSC 508 with P grade	Apply critical and creative thinking to solve interdisciplinary problems within their area of concentration	Complete TWO metrics: - ENSC 515 with B or better grade, AND - ENSC 520 with B or better grade
MS	Demonstrate professional development attributes consistent with expectations and effectively communicate their field of study	Complete ONE metric: - ENSC 508 with P grade	Apply critical and creative thinking to solve interdisciplinary problems within their area of concentration	Complete TWO metrics: - ENSC 515 with B or better grade, AND - ENSC 520 with B or better grade
MA	Demonstrate professional development attributes consistent with expectations and effectively communicate their field of study	Complete ONE metric: - ENSC 508 with P grade	Apply critical and creative thinking to solve interdisciplinary problems within their area of concentration	Complete TWO metrics: - ENSC 515 with B or better grade, AND - ENSC 520 with B or better grade
PSM	Demonstrate professional development attributes consistent with expectations and effectively communicate their field of study	Complete ONE metric: - ENSC 508 with P grade	Apply critical and creative thinking to solve interdisciplinary problems within their area of concentration	Complete TWO metrics: - ENSC 515 with B or better grade, AND - ENSC 520 with B or better grade