

DEPARTMENT OF ENVIRONMENTAL, SOIL, AND WATER SCIENCE (ESWS)

EIGHT-SEMESTER DEGREE COMPLETION PROGRAM

B.S.A. – Environmental, Soil, and Water Science (ESWS)

2026-2027

ESWS Requirements: 1 Hour University Perspectives; 12 hours Communication; 3 hours History; 6 hours Mathematics; 35 hours Science; 6 hours Fine Arts/Humanities; 9 hours Social Sciences; 32-33 Hours Departmental Core; 16-17 Hours General Electives.

Key: **Bold** = Course meets State Minimum Core.

Fall Semester Year 1

- **ENGL 10103 Composition I**, 3 hours
 - **ENSC 10003 Environmental Science**, 3 hours **AND**
 - **ENSC 10001 Environmental Science Lab**, 1 hour
 - **BIOL 10103 Principles of Biology**, 3 hours **AND**
 - **BIOL 10101 Principles of Biology Lab**, 1 hour
 - **MATH 11003 College Algebra**, 3 hours
 - UNIV 10051 University Perspectives, 1 hour
- Total Semester Hours: 15

Spring Semester Year 1

- **Fine Arts OR Humanities Core Elective**, 3 hours
 - **ENGL 10203 Composition II**, 3 hours
 - CSES 12003 Introduction to Plant Sciences, 3 hours
 - **Social Sciences Core Elective**, 3 hours
 - CHEM 14103 University Chemistry I, 3 hours **AND**
 - CHEM 14101 University Chemistry I Lab, 1 hour
- Total Semester Hours: 16

Fall Semester Year 2

- General Elective, 3 hours
 - GEOL 11103 Physical Geology, 3 hours **AND**
 - GEOL 11101 Physical Geology Lab, 1 hour
 - **History Core Elective**, 3 hours
 - SPCH 10003 Public Speaking, 3 hours
 - MATH 12003 Plane Trigonometry, 3 hours
- Total Semester Hours: 16

Spring Semester Year 2

- CHEM 14203 University Chemistry II, 3 hours **AND**
 - CHEM 14201 University Chemistry II Lab, 1 hour
 - **Fine Arts OR Humanities Core Elective**, 3 hours
 - **Social Sciences Core Elective**, 3 hours
 - ENSC 30003 Introduction to Water Science, 3 hours
 - ASTM 29003 AGHE Applications of Microcomputers, 3 hours
- Total Semester Hours: 16

Fall Semester Year 3

- CSES 22003 Soil Science, 3 hours **AND**
 - CSES 22001 Soil Science Lab, 1 hour
 - PHYS 20103 College Physics, 3 hours **AND**
 - PHYS 20101 College Physics I Lab, 1 hour
 - Water Science Core, 3 hours **OR**
 - Natural Resources Core, 3 hours
 - General Electives, 3 hours **OR**
 - CHEM 36053 Organic Chemistry, 3 hours **AND**
 - CHEM 36051 Organic Chemistry Lab, 1 hour
- Total Semester Hours: 14-15

Spring Semester Year 3

- BIOL 20003 General Microbiology, 3 hours **AND**
 - BIOL 20001 General Microbiology Lab, 1 hour
 - CHEM 26103 Organic Physio. Chemistry, 3 hours **AND**
 - CHEM 26101 Organic Physio. Chemistry Lab, 1 hour **OR**
 - General Elective, 3 hours
 - **Social Science Core Elective**, 3 hours
 - Water Science Core, 3 hours **OR**
 - Soil Science Core, 3-4 hours
- Total Semester Hours: 13-15

Fall Semester Year 4

- CSES 30203 Colloquium, 3 hours **OR**
 - ACOM 31403 Communicating Agric to the Public, 3 hours
 - ENSC 32203 Ecosystems Assessment, 3 hours **AND**
 - ENSC 32201 Ecosystems Assessment Lab, 1 hour **OR**
 - BIOL 38773 General Ecology, 3 hours **AND**
 - BIOL 38771 General Ecology Lab, 1 hour
 - MATH 21003 Statistics **OR**
 - Natural Resources Core, 3 hours
 - Natural Resources Core, 3-4 hours **OR**
 - Soil Science Core, 3-4 hours
 - Natural Resources Core, 3 hours **OR**
 - General Elective, 3 hours
- Total Semester Hours: 16-17

Spring Semester Year 4

- Natural Resources Core, 3 hours **OR**
 - General Elective, 3 hours
 - Statistics **OR** Natural Resources Core, 3 hours
 - General Elective as Broadening Elective, 2-3 hours
 - General Elective, 3 hours
 - General Elective, 2-3 hours
- Total Semester Hours: 13-15

Total Completed Hours: 120