

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

EIGHT-SEMESTER DEGREE COMPLETION PROGRAM

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

2023-2024

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 1013** Composition I, 3 hours
- **ENSC 1003 Environmental Science**, 3 hours
- **ENSC 1001L Environmental Science Lab**, 1 hour
- **BIOL 1543 Principles of Biology**, 3 hours
- **BIOL 1541L Principles of Biology Lab**, 1 hour
- **MATH 1203 College Algebra**, 3 hours
- UNIV 1001 University Perspectives, 1 hour

Total Semester Hours: 15

Spring Semester Year 1

- **Fine Arts/Humanities Core Elective**, 3 hours
- **ENGL 1023** Composition II, 3 hours
- CSES 1203 Introduction to Plant Sciences, 3 hours
- **Social Sciences Core Elective**, 3 hours
- **CHEM 1103 University Chemistry I**, 3 hours
- **CHEM 1101L University Chemistry II**, 1 hour

Total Semester Hours: 16

Fall Semester Year 2

- General Elective (Broadening Elective), 3 hours
- GEOS 1113 Physical Geology, 3 hours
- GEOS 1111L Physical Geology Lab, 1 hour
- **History Core Elective**, 3 hours
- COMM 1313 Public Speaking, 3 hours
- **MATH 1213 Plane Trigonometry**, 3 hours

Total Semester Hours: 16

Spring Semester Year 2

- **CHEM 1123 University Chemistry II**, 3 hours
- **CHEM 1121L University Chemistry II Lab**, 1 hour
- **Fine Arts/Humanities Core Elective**, 3 hours
- **Social Sciences Core Elective**, 3 hours
- ENSC 3003 Introduction to Water Science, 3 hours
- ASTM 2903 AGHE Applications of Microcomputers, 3 hours

Total Semester Hours: 16

Fall Semester Year 3

- CSES 2203 Soil Science, 3 hours
- CSES 2201L Soil Science Lab, 1 hour
- PHYS 2013 College Physics, 3 hours
- PHYS 2011L College Physics I Lab, 1 hour
- Water Science **OR** Natural Resources Core, 3 hours
- General Electives as Broadening Elective, 3 hours **OR**
- **CHEM 3603 Organic Chemistry**, 3 hours **AND**
- **CHEM 3601L Organic Chemistry Lab**, 1 hour

Total Semester Hours: 15

Spring Semester Year 3

- BIOL 2013 General Microbiology, 3 hours
- BIOL 2011L General Microbiology Lab, 1 hour
- **CHEM 2613 Organic Physiological Chemistry**, 3 hours **AND**
- **CHEM 2611L Organic Physiological Chemistry Lab**, 1 hour **OR**
- General Elective as Broadening Elective, 3 hours
- **Social Science Core Elective**, 3 hours
- Water Science **OR** Soil Science Core, 3-4 hours

Total Semester Hours: 14-15

Fall Semester Year 4

- CSES 3023 Colloquium, 3 hours **OR**
- ACOM 3143 Communicating Agriculture to the Public, 3 hours
- ENSC 3223 Ecosystems Assessment, 3 hours **AND**
- ENSC 3221L Ecosystems Assessment Lab, 1 hour **OR**
- BIOL 3863 General Ecology, 3 hours **AND**
- BIOL 3861L General Ecology Lab, 1 hour
- Statistics **OR** Natural Resources Core, 3 hours
- Soil Science **OR** Natural Resources Core, 3-4 hours
- Natural Resources Core **OR** General Elective, 3 hours

Total Semester Hours: 16-17

Spring Semester Year 4

- Natural Resources Core **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