

Water Resources

Math Requirements:
Math 1420: Calculus I
Choose 1 of the following 3:
Math 1430: Calculus II **OR**
Math/Stat 3379: Statistical Methods in Practice **OR**
Biol 4374: Biostatistics

Core Intro:
Biol 1401: Environmental Science
Choose 1 of the following 2:
Biol 1406: General Biology I **OR**
Biol 1411: General Botany
Choose 1 of the following 2:
Biol 1407 General Biology II **OR**
Biol 1413: General Zoology
Biol/Geog 2320: Sustainability and Environment
Chem 1411: General Chemistry I
Chem 1412: General Chemistry II
Choose 2 of the following 3:
Geog 1401: Weather and Climate **OR**
Geol 1403: Physical Geology **OR**
Geol 1405: Geologic & Environmental Hazards
Geog 2464: Intro to Geographic Information Systems

Core Advanced:
Biol 3409: General Ecology
Biol 4330: Aquatic Biology
Engl 3330: Intro to Technical Writing
Geog 4330: Hydrology and Water Resources
Geog 4331: Conservation of Natural Resources
Choose 1 of the following 2:
Geog 4361: GIS for Public Health **OR**
Geog 4468: Remote Sensing
Geog 4432: Geomorphology
Geol 3326: Environmental Geology
Choose 1 of the following 2:
Chem 3368: Environmental Chemistry **OR**
Geol 4304: Geochemistry
Geol 4426: Hydrogeology
Plsc 3440: Soil Science
Pols 3395: Environmental Policy

This track/concentration requires 8+ additional prescribed elective credits.

Sustainability

Math Requirements:
Math 1314: Pre Calculus Algebra
Choose 1 of the following 2:
Math 1342: Elementary Statistics **OR**
Math/Stat 3379: Statistical Methods in Practice
Biol 4374: Biostatistics

Core Intro:
Biol 1401: Environmental Science
Choose 1 of the following 2:
Biol 1406: General Biology I **OR**
Biol 1411: General Botany
Choose 1 of the following 2:
Biol 1407 General Biology II **OR**
Biol 1413: General Zoology
Biol/Geog 2320: Sustainability and Environment
Chem 1411: General Chemistry I
Geog 1401: Weather and Climate
Geog 2464: Intro to Geographic Information Systems
Choose 1 of the following 2:
Geol 1403: Physical Geology **OR**
Geol 1405: Geologic & Environmental Hazards

Core Advanced:
Biol 3409: General Ecology
Choose 1 of the following 2:
Econ 3352: Energy & Environmental Economics **OR**
Geog 4351: Economic Geography
Geog 3310: Sustainable Development
Geog 4331: Conservation of Natural Resources
Geog 4432: Geomorphology **OR** Geog 4330: Hydrology
Choose 1 of the following 2:
Geog 4361: GIS for Public Health **OR**
Geog 4468: Remote Sensing
Geol 3326: Environmental Geology
Plsc 3440: Soil Science
Pols 3395: Environmental Policy
Choose 1 of the following 3:
Soci 3336: Social Change and Development **OR**
Soci 4337: Environment and Society **OR**
Pols 3366: Public Administration **OR**

This track/concentration requires 17 additional advanced prescribed elective credits.

Pollution Abatement

Math Requirements:
Math 1420: Calculus I
Choose 1 of the following 2:
Math 1342: Elementary Statistics **OR**
Math/Stat 3379: Statistical Methods in Practice **OR**
Biol 4374: Biostatistics

Core Intro:
Biol 1401: Environmental Science
Choose 1 of the following 2:
Biol 1406: General Biology I **OR**
Biol 1411: General Botany
Choose 1 of the following 2:
Biol 1407 General Biology II **OR**
Biol 1413: General Zoology
Biol/Geog 2320: Sustainability and Environment
Chem 1411: General Chemistry I
Chem 1412: General Chemistry II
Chem 2323: Organic Chem I, Chem 2123: O Chem I Lab
Chem 2401: Quantitative Analysis
Geog 1401: Weather and Climate
Geol 1403: Physical Geology

Core Advanced:
Biol 3409: General Ecology
Biol 4330: Aquatic Biology
Chem 3368: Environmental Chemistry
Geog 4331: Conservation of Natural Resources
Geol 3326: Environmental Geology
Geol 4304: Geochemistry
Geol 4426: Hydrogeology
Plsc 3440: Soil Science
Pols 3395: Environmental Policy

This track/concentration requires 11 additional prescribed elective credits.

Ask about our **Environmental Science minor** -
Only 6 courses beyond the core curriculum!

Prescribed Electives

Aget 3383: Soil & Water Conservation Engr^{W,P}
Biol 2420: Intro Applied Microbiology^P
Biol 3461: Wildlife Biology^{W,P,S}
Biol 3470: General Microbiology^P
Biol 4320: Environmental Toxicology^P
Biol 4330: Aquatic Biology^{W,S}
Engl 3330: Intro to Technical Writing^{S,P}
Chem 2401: Quantitative Analysis^W
Chem 3368: Environmental Chemistry^{W,P}
Chem 4442: Air Quality^P
Econ 3352: Energy and Env Economics^{W,S,P}
Envr 4361: Environmental Sci Field Exp^{W,S,P}
Geog 3301: Environmental Geography^{W,S,P}
Geog 3350: Cultural Geography^S
Geog 3310: Sustainable Development^{W,P}
Geog 4330: Hydrology & Water Resources^{S,P}
Geog 4356: Urban Geography^S
Geog 4432: Geomorphology^{W,S,P}
Geog 4333: Field Studies^{W,S,P}
Geog 4357: Population Geography^S
Geog 4361: GIS for Public Health^{W,S,P}
Geog 4468: Remote Sensing^{W,S,P}
Geol 3330: Oceanography^{W,S,P}
Geol 4304: Geochemistry^{W,P}
Geol 4312: Economic Geology^P
Geol 4400: Stratigraphy & Sedimentation^W
Geol 4426: Hydrogeology^{S,P}
Hlth 4390: Environmental Health^{S,P}
Phil 3372: Philosophy of Science^S
Phil 4306: Philosophy of Biology^S
Plsc 4330: Soil Fertility & Mgt Fertilizers^{W,S,P}
Plsc 4370: Forage Crops & Pasture Mgmt^{S,P}
Plsc 4397: Integrated Pest Management^{S,P}
Pols 3302: Intro to Public Policy^{W,S}
Pols 3339: Nonprofit Organizations^S
Soci 4337: Environment and Society^{W,S}
Wgmt 3382: Habitat & Pond Management^{W,S}

^W = Water Resources
^S = Sustainability
^P = Pollution Abatement