

### **Environmental Sustainability Concentration (noncomprehensive)**

The environmental sustainability concentration provides students with a strong background in environmental studies with an emphasis on sustainability. The program explores ways of meeting humans' current and future needs for energy, food, and shelter that are scientifically, socially, and economically viable and that do not compromise earth's resources and ecological systems. Students develop a specific research problem and acquire hands-on training through a required internship. Students also select a minor in a complementary field, enabling them to tailor their degree to future employment or further study of sustainable living solutions at the graduate level.

Specific general studies requirements

ECON 205	Principles of Macroeconomics .....	3
GSCI 103, 104	General Physical Science I and II.....	8
MATH 314*	Statistics.....	3
*The prerequisite for MATH 314 is MATH 154, MATH 108, or permission of the chair.		
Total hours required.....		52-53
Required courses.....		49
BIOL 102	General Biological Science .....	4
CHEM 101, 101L	Chemistry in Society I and Lab AND	
CHEM 102, 102L	Chemistry in Society II and Lab OR	
CHEM 207, 207L	General Chemistry I and Lab AND	
CHEM 209, 209L	General Chemistry II and Lab.....	8
ENVS 201	Dimensions of Environmental Science I .....	3
ENVS 202	Dimensions of Environmental Science II .....	3
ENVS 306	Environmental Policy.....	4
ENVS 308	Physical Resource Management.....	3
ENVS 340	Sustainable Agriculture and Lab .....	4
ENVS 341	Sustainable Energy and Lab.....	4
ENVS 345	Sustainable Development.....	3
ENVS 433	Stream Ecology OR	
ENVS 342	Limnology OR	
ENVS 441	Hydrology and Lab.....	4
ENVS 450	Environmental Internship .....	6
ENVS 451	Senior Research Seminar.....	3
Electives .....		3-4
CHEM 325	Computers in Science.....	3
CHEM 333, 333L	Environmental Chemistry and Lab .....	4
Any ENVS course numbered 300 or above .....		3
Andy GSCI course numbered 300 or above.....		3

NOTE: Students wishing to take upper-level Chemistry should complete the CHEM 207, 209 sequence.

**Portfolio Requirement for Environmental Studies Major:** It is required that each major complete a portfolio prior to graduation. See advisor for specific details.