Environment & Energy Systems Electives

There are many courses at the College that are relevant to the Environment and Energy Systems theme. This reflects broad faculty interest and expertise in environmental issues and in particular the interdisciplinary Environmental Studies and Environmental Science programs.

The following are recommended courses – discuss your specific interests with your advisor. A few of these courses require prerequisites (BIOL and ECON - listed with asterisk). Choose 2 courses from the Engineering list, and 2 additional courses from either list.

**Engineering**

CE 322   Environmental Site Assessment  
CE 351   Water Resources Engineering  
CE 352   Hydrology  
CE 423   Water Quality  
CE 425   Water Supply and Pollution Control  
CHE 334   Chemical Processes in Environmental Engineering  
CHE 341   Green Engineering  
CHE 342   Atmospheric Engineering and Science  
CHE 379   Alternate Energy Sources  
EGRS 480   Sustainable Solutions  
ME 470   Heat Transfer  
ME 475   Thermal/Fluid Systems

**Natural Science/Humanities/Social Science**

BIOL 233   Environmental Problem Solving in Biology*  
BIOL 234   Environmental Biology*  
BIOL 272   Conservation Biology*  
CHEM 252   Environmental Chemistry  
CM 261   Introduction to Numerical Computing for Engineers  
ECON 202   Environmental Economics*  
ECON 340   Environment and Resource Economics*  
EVST 215   Environmental Policy  
EVST 230   Water Problems Water Solutions  
EVST 247   Nature Writing  
EVST 253   Voices of Environmental Justice  
EVST 290   Climate Change: The Facts, the Issues, and the Long Term View  
EVST/EGRS 373   Technology and Nature  
EVST 380   Sustainability Internship  
GEOL 110   Environmental Geology  
GEOL 115   An Introduction to Geology: Earth’s Climate- Past, Present, and Future  
GEOL 210   Hydrogeology  
GEOL 229   Geographical Information Systems and Remote Sensing in Geosciences  
GEOL 300   Earth Surface Processes  
GOVT 231   Global Environmental Politics  
HIST 252   Transformation of the American Environment  
IA 240   Pursuing Global Sustainability  
Math 286   Introduction to Probability and Mathematical Statistics  
PHIL 155   Environmental Ethics