

LAFAYETTE

ENGINEERING

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

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| 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/EVST 373 | Technology and Nature |
| EGRS 480 | Sustainable Solutions |
| ME 374 | Sustainable Building Design |
| ME 470 | Heat Transfer |
| ME 475 | Thermal/Fluid Systems |

Natural Science/Humanities/Social Science

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| 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 315 | Food, Culture, and Sustainable Societies |
| 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 |