Engineering Technical Selectives

The Environmental and Natural Resources Engineering curriculum contains 6 credits of courses labeled Engineering Technical Selectives. Below is a list of recommended and reviewed engineering courses which can be used to satisfy this requirement. Other engineering courses can be selected but should be reviewed with your academic advisor to ensure relevance to your degree program and career objectives.

ABE 43500 Hydraulic Control Systems for Mobile Equipment
ABE 46000 Sensors and Process Control
ABE 49500 Select Topics in Agricultural and Biological Engineering
ABE 49800 Undergraduate Research in Agricultural and Biological Engineering
ABE 49900 Honors Thesis Research
ABE 52200 Ecohydrology
ABE 52500 Irrigation Management and Design
ABE 52700 Computer models in Environmental and Natural Resources Engineering
ABE 52900 Nonpoint Source Pollution Engineering
ABE 53100 Instrumentation and Data Acquisition
ABE 54500 Design of Off-Highway Vehicles
ABE 58000 Process Engineering of Renewable Resources
CE 35200 Biological Princ. Of Environmental Engineering
CE/EEE 35000 Introduction to Environmental and Ecological Engineering
CE 35500 Engineering Environmental Sustainability
CE 40800 Geographic Information Systems in Engineering
CE 44000 Urban Hydraulics
CE 44300 Introductory Environmental Fluid Mechanics
CE 45600 Water and Wastewater Treatment
CE 45700 Air Pollution Control And Design
CE 49700 Introduction to Architectural Engineering
CE 54000 Open Channel Hydraulics
CE 54200 Hydrology
CE 54300 Coastal Engineering
CE 54400 Subsurface Hydrology
CE 54500 Sediment Transport Engineering
CE 54900 Computational Watershed Hydrology
CE 55000 Physico---Chemical Processes In Environ. Engr.CE 55700 Air Quality Management
CE 55900 Water Quality Modeling
CE 59300 Environmental Geotechnology
EEE 43000 Industrial Ecology and LCA
EPCS 30100, 30200 Junior Participation in EPICS - Three credits of EPICS (typically taken over two semesters) on an environmental engineering related project team
EPCS 41100, 41200 Senior Design Participation in EPICS - Three credits of EPICS (typically taken over two semesters) on an environmental engineering related project team

GEP Global Engineering Projects