ENVIRONMENTAL AND ECOLOGICAL ENGINEERING MINOR
Approved EEE Minor Selective List: December 4, 2013

AAE 33300: Fluid mechanics
ABE 32500: Soil and Water Resource Engineering*
ABE 48500: Agricultural Engineering Design
ABE 52200: Ecohydrology
ABE 52700: Computer Models in Environmental and Natural Resources
ABE 56000: Biosensors: Fundamentals and Applications
ABE 58000: Process Engineering Of Renewal Resources
ABE 59100 (variable title): Non-point Source Pollution
ABE 59100 (variable title): Biomass feedstock systems engineering
ABE 59100 (variable title): Instrumentation and Data Acquisition
AGRY 25500: Soil Science
AGRY 33700: Environmental Hydrology
AGRY 38500: Environmental Soil Chemistry
AGRY 45000: Soil Conservation and Water Management
AGRY 53600: Environmental Biophysics
AGRY 54000: Soil Chemistry
AGRY 54400: Environmental Organic Chemistry
AGRY 54500: Remote Sensing of Land Resources
AGRY 56000: Soil Physics
AGRY 58000: Soil Microbiology
AGRY 58200: Environmental Fate of Pesticides
AGRY 58500: Soils and Land Use
AGRY 59800 (variable title): Ecological Footprints
ASM 33600: Environmental Systems Management
ASM 54000: GIS Applications
BIOL 43800: General Microbiology
BIOL 48300: Environmental and Conservation Biology
BIOL 54900: Microbial Ecology
BIOL 58500: Ecology
BME 52100: Biosensors: Fundamentals and Applications
CE 31100: Arch Engineering
CE 34000: Hydraulics
CE/EEE 35000: Environmental Engineering*
CE 35200: Biological Principles Of Environmental Engineering
CE 35300: Physico---Chemical Principles of Environmental Engineering
CE 38300: Geotechnical Engineering I
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 51100: GPS Surveying
CE 51200: The Comprehensive Urban Planning Process
CE 51501: Building Energy Audits
CE 54000: Open Channel Hydraulics
CE 54100: Design of Hydraulic Structures
CE 54200: Hydrology
CE 54300: Coastal Engineering
CE 54400: Subsurface Hydrology
CE 54500: Sediment Transport Engineering
CE 54600: Computational River Hydraulics
CE 54900: Computational Watershed Hydrology
CE 55400: Aquatic Chemistry in Environmental Engineering
CE 55500: Microbial Degradation of Pollutants
CE 55700: Air Quality Management
CE 59300: Environmental Geotechnology
CE 49700/59700 (variable title): Critical Urban Infrastructure Systems
CE 59700 (variable title): Sustain Bldg Dsgn Constr&Oper
CE 59700 (variable title): Urban Systems Sustainability
CE 59700 (variable title): Water Resources Sustainability
CHE 33000: Principles of Molecular Engineering
CHE 34800: Chemical Reaction Engineering
CHE 37700: Momentum Transfer
CHE 45600: Process Dynamics and Control
CHE 53600: Particulate Systems
CHE 54000: Transport Penomena
CHE 59700 (variable title): Advanced Solar Conversion
CHM 48100: Environmental Chemistry
CHM 58100: Atmospheric Chemistry
CHM 58200: Chemistry of the Earth’s Upper Atmosphere
EAPS 30100: Oil
EAPS 30900: Computer-Aided Analysis for Geosciences
EAPS 32000: Physics of Climate
EAPS 37500: Great Issues: Fossil Fuels, Energy, and Society
EAPS 42000: Global Change Modeling
EAPS 44000: Geochemistry of Earth Elements
EAPS 51900: Applications of Analytical Geosciences
EAPS 52100: Atmospheric Chemistry
EAPS 52200: Chemistry of the Earth’s Upper Atmosphere
EAPS 58300: Geology of Landfills
EAPS 58400: Hydrogeology
EAPS 58500: Hydraulic Analysis of Groundwater Systems
EAPS 58600: Engineering Geology
EAPS 58700: Chemical Evolution of Groundwater
EAPS 58800: Analytical Hydrogeochemistry
EAPS 58900: Numerical Modeling of Groundwater Systems
EAPS 59100 (variable title): Instrumental Methods in Environmental Geochemistry
EDCI 50600: Environmental Education
EEE 25000: Environmental, Ecological, and Engineering Systems
EEE 30000: Environmental and Ecological Systems Modeling
EEE/CE 35000: Environmental Engineering*
EEE 49500 (variable title): Biological Wastewater Treatment
EEE 49500 (variable title): EEE Laboratory
EEE 49500 (variable title): Urban Water Projects
EEE 49500 (variable title): Wastewater Treatment Process
ENTM 46000: Aquatic Entomology
EPCS 2XXX, 3XXX or 4XXX: Three credits total required; Project must be environmental engineering related and the courses must be taken in consecutive semesters and be dedicated to the same project.
FNR 48800: Global Environmental Issues
FNR 54000: Wetlands Ecology
FNR 54300: Conservation Biology I
FNR 54500: Fisheries Management
FNR 55800: Digital Remote Sensing and GIS
FNR 59800 (variable title): Human Dimensions in Natural Resources
FNR 59800 (variable title): Landscape Ecology GIS
HSCI 52600: Principles of Health Physics and Dosimetry
HSCI 54500: Advanced Topics in Exposure Assessment
HSCI 54700: Environmental Epidemiology
HSCI 56000: Toxicology
IDE 49500 (variable title): Manufacture and Assembly
MCMP 56000: Toxicology
ME 30900: Fluid Mechanics
ME 41300: Noise Control of Acoustic Waves
ME 41800: Engineering of Environmental Systems and Equipment
ME 49200: Technology and Values
ME 49700 (variable title): Energy in a Global Context
ME 51400: Fundamentals of Wind Energy
ME 52500: Combustion
ME 59700 (variable title): Indoor Environment Analysis and Design
ME 59700 (variable title): Environmental Impacts of Alternative Energy
ME 59700 (variable title): Sustainbl Dsgn & Manufac
ME 59700 (variable title): Sustainabl Enrgy Options&Analy
ME 59700 (variable title): Solar Energy Technology
MET 42200: Power Plants and Energy Conversion
MET 49000 (variable title): Green Manufacturing and Sustainability
MET 58100 (variable title): Fuel Cell Fund, Modl & Diagnstc
MSE 49700 (variable title): Manufacture and Assembly
MSE 59700 (variable title): Energy Conversion Materials
NRES 38500: Environmental Soil Chemistry
NRES 45000: Soil Conservation and Water Management
NUCL 30000: Nuclear Structure and Radiation Interactions
NUCL 40200: Engineering of Nuclear Power Systems
NUCL 47000: Fuel Cell Engineering
NUCL 50300: Radioactive Waste Management
NUCL 54400: Nuclear Fuel Systems
*Courses with an asterisk can count for Selective course only if they are not used to satisfy required options.

Variable title = Temporary or special topics number. Course title must match. Note that these courses may be granted permanent course numbers in the future.

Courses not on this list, including special topics and independent study/research courses, can qualify for the minor with approval of the EEE Academics Committee. Talk to the EEE Associate Director of Advising to make a request for other courses.