

ENVIRONMENTAL ENGINEERING PROGRAM – University of Connecticut
(Catalog of 2017-2018)

ENVE Professional Electives for Minor Degree – choose 2 courses from different areas OR 1 course from the list and one from the ENVE required course list below OR 2 courses from the ENVE required course list

ENVE Required courses

- ENVE 3200 Environmental Engineering Lab
- ENVE 4210 Environmental Engineering Chemistry
- ENVE 3270 Environmental Microbiology
- ENVE 4320 Ecological Principles and Engineering

ENVE Professional Electives

<p>Area 1: Data Collection and Analysis NRE 3535 Remote Sensing of the Environment GEOG 2500 Introduction to GIS ME 3263 Introduction to Sensors and Data Analysis CE 2410 Geomatics & Spatial Measurement CE 4410 Computer Aided Site Design</p>	<p>Area 6. Water Resources ENVE 4810. Engineering Hydrology ENVE 4820. Hydraulic Engineering NRE 3125 Watershed Hydrology NRE 4135. Introduction to Groundwater Hydrology NRE 4165. Soil and Water Management and Engineering</p>
<p>Area 2. Renewable Energy ME 3270 Fuel Cells ME 3285 Sustainable Energy Sources and Systems * Courses offered as Special Topics in Renewable Energy also qualify as PR under this area</p>	<p>Area 7. Geoenvironmental Processes CE 3510. Soil Mechanics CE 4530. Geoenvironmental Engineering ENVE 3530. Engineering and Environmental Geology NRE 4165. Soil and Water Management and Engineering.</p>
<p>Area 3. Systems Analysis CHEG 3151. Process Kinetics CHEG 4147. Introduction to Process Dynamics and Control. CE 4210. Operations Research in Civil and Environmental Engineering</p>	<p>Area 8. Atmospheric Processes GEOG 3400. Climate and Weather NRE 3145. Meteorology NRE 3146 Climatology ME 3239. Combustion for Energy Conversion</p>
<p>Area 4. Environmental Chemistry CHEM 2241 or CHEM 2443. Organic Chemistry CHEM 4370. Environmental Chemistry - Atmosphere SOIL 3410. Soil Chemistry Components SOIL 4420. Soil Chemistry Processes MARN 4030W. Chemical Oceanography NRE 3155. Water Quality Management</p>	<p>Area 9. Management and Policy AH 3275. HAZWOPER ARE 3434. Environment and Resource Policy ARE 4462. Economics of Natural Resource Use EEB 3205. Current Issues in Environmental Science GEOG 3320W. Environmental Evaluation and Assessment GEOG 3340. Environmental Planning and Management LAND 3230W. Environmental Planning and Landscape Design MEM 2221. Principles of Engineering Management NRE 3245. Environmental Law</p>
<p>Area 5. Environmental Biology MCB 2610. Fundamentals of Microbiology NRE 3105. Wetlands Biology and Conservation NRE 3205. Stream Ecology</p>	