

<h2 style="text-align: center;">Summary of Course Requirements</h2>			<p style="text-align: center;">* (Note: Core Courses and Electives listed are for the Engineering The Future Funding Program - Students must also satisfy their University's degree requirements regarding core courses and electives, which may differ from those listed here.)</p>
<h3 style="text-align: center;">Descriptions for Core Courses (Required)</h3>			<h3 style="text-align: center;">Elective Courses (must take 3)</h3>
<p><b>Purdue</b></p>	<p><b>CE 456 Wastewater Treatment</b> -Fundamental Concepts and Design Procedures for the treatment of municipal and industrial wastewaters Course topics include waste characterization, impacts of pollutants, and principles of sedimentation, biochemical treatment processes (suspended and attached-growth systems), nutrient removal, disinfection, and sludge management.</p>	<p><b>CE 550 Physico-chemical Processes in Environmental Engineering</b> covers basic physico-chemical processes of environmental engineering. Topics include: reactor theory, mixing, gravity separation, centrifugation, adsorption, ion exchange, ultraviolet disinfection and chemical disinfection</p>	<p>CE 554 Aquatic Chemistry in Environmental Engineering  CE 597 B Environmental Engineering Microbiology  CE 697 A. Advanced Physico Chemical Processes of Environmental Engineering  CE 559 Water Quality Modeling  CE 544 Subsurface Hydrology  AGRY 544 Environmental Organic Chemistry  CE 597A Groundwater and Soil Remediation  CE 593 Environmental Geotechnology  CE 557 Air Quality Management  CE 555 Microbial Degradation of Pollutants  CE 558 Sampling and Analysis of Source and Atmospheric Air Contaminants  CE 542 Hydrology  CE 540 Open Channel Hydraulics  CE 547 Transport Processes in Surface Waters</p>