

<h1 style="text-align: center;">Summary of Course Requirements</h1>			<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>
<h2 style="text-align: center;">Descriptions for Core Courses (Required)</h2>		<h2 style="text-align: center;">Elective Courses (must take 3)</h2>	
<p><b>Illinois Institute of Technology</b></p>	<p><b>ENVE 513 Biotechnologies Processes in Environmental Engineering</b> Topics include biochemical reactions, stoichiometry, enzyme and microbial kinetics, detoxification of toxic chemicals, and suspended growth and attached growth treatment processes. Includes Activated Sludge process, biofilm processes, nitrogen and phosphorous removal, sludge treatment (mesophilic/thermophilic, and natural systems including wetlands and lagoons.</p>	<p><b>ENVE 542 Physiochemical Treatment</b> Topics include reaction kinetics and reactors, particle characterization, coagulation and flocculation, sedimentation, filtration, membrane separation, disinfection, advanced oxidation, adsorption and absorption.</p>	<p> <b>ENVE 501 Environmental Chemistry</b>  <b>ENVE 503 Environmental Chemodynamics</b>  <b>ENVE 561 Sanitary Engineering Design</b>  <b>ENVE 580 Hazardous Waste Engineering</b>  <b>ENVE 573 Air Pollution Engineering</b>  <b>ENVE 426 Statistical Tools for Engineers</b>  <b>ENVE 545 Environmental Regulations/ Risk Assessment</b>  <b>ENVE 585 Groundwater Contamination &amp; Remediation</b>  <b>ENVE 570 Air Pollution Meteorology</b>  <b>ENVE 510 Environmental Biodynamics</b>  <b>ENVE 528 Modeling of Env. Systems</b> </p>