

Summary of Course Requirements

* (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.)

Descriptions for Core Courses (Required)		Elective Courses (must take 3)
<p>Cornell University</p>	<p>CEE 657 Biological Processes Prerequisites : An introductory course in microbiology and CEE 656, or permission of instructor. Theoretical and engineering aspects of biological phenomena and processes applicable to the removal of impurities from water, wastewater, and industrial wastes and to their transformation in the environment. Bioenergetics analysis, stoichiometry, biokinetic, and design of biological treatment process.</p>	<p>CEE 656 Physical/Chemical Processes Prerequisites_ CEE 653 or permission of instructor. Theoretical and engineering aspects of chemical and physical phenomena and processes applicable to the removal of impurities from water, wastewater, and industrial wastes and to their transformation in the environment. Analysis and design of treatment processes and systems.</p>
		<p>CEE 653 Water Chemistry for Environmental Engineering CEE 451 Microbiology for Environmental Engineering CEE 453 Laboratory Research in Environmental Engineering CEE 658 Biodegradation & Biocatalysis CEE 654 Aquatic Chemistry CEE 655 Transport, Mixing and Transformation in the Environment CEE 454 Sustainable Small Scale Water Supplies CEE 452 Water Supply Engineering</p>