

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)
University of Dayton	<p>CEE 560. BIOLOGICAL TREATMENT (REQUIRED) Measuring the characteristics of wastewater produced from domestic and industrial sources. Principles of designing and operating microbiological processes for the treatment of wastewater. Mechanisms and kinetics of biological reactions emphasized.</p>	<p>CEE 562. PHYSIOCHEMICAL TREATMENT Physical and Chemical Water and Wastewater Treatment Processes. Principles and design of physical and chemical unit processes to treat water and wastewater. Industry pretreatment technologies and the basis for their development.</p>	<p>CEE 564 Solid Waste Engineering CEE 563 Hazardous Waste Engineering CEE 580 Hydrology and Seepage CEE 582 Advanced Hydraulics CEE 584 Open Channel Flow CEE /CME 574 Fundamental of Air Pollution Engineering I CEE/CME 575 Fundamental of Air Pollution Engineering II CME 521 Advanced Transport Phenomena CHM 525 Principles of Organic Chemistry</p>