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 Delaware	**CIEG 831 Theory of Water Treatment -** Application of physical, chemical, and engineering techniques to water treatment processes: aeration, coagulation, sedimentation, filtration and disinfection. Advanced purification methods including adsorption and demineralization processes.	**CIEG 832 Theory of Wastewater Treatment** Composition of wastes, physical, chemical and biological methods of wastewater treatment; treatment and disposal of sludges produced at wastewater treatment plants.	**CIEG 636 Biological Aspects of Env. Enginering** **CIEG 632 Chemical Aspects of Env. Engineering** **CIEG 634 Physical Aspects of Env. Engineering** **CIEG 630 Water Quality Modeling** **CIEG 631 Water Quality & Pollution Control** **CIEG 633 Hazardous Waste Mgmt.** **CIEG 635 Air Pollution & Its Control** **CIEG 637 Water and Wastewater Quality** **CIEG 678 Transport and Mixing Processes** **CIEG 833 Fate of ORganic Pollutants in the Env.** **CHEG 622 Chemicals, Risk & the Env.** **PLCS 608 Env. Soil Chem.** **PLCS 619 Soil Microbiology** **MEEG 690 Intermediate Engineering Math**