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 Michigan	**CEE 580 Physicochemical Processes in Environmental Engineering** Physicochemical separated and transformation processes in natural and engineered environmental systems; process modeling; design of operations involving state and phase transformation; chemical oxidation, reduction, sorption, stripping and exchange processes, membrane separations, particle aggregation, and coagulation, sedimentation and filtration.	**CEE 592 Biological Processes in Environmental Engineering** Theoretical Principles, qualitative and quantitative description of suspended growth and biofilm processes, as applicable to wastewater treatment and the bioremediation of soils, sediments, and groundwater. Bioremediation processes discussed include bioventing and biosparging, in situ intrinsic and enhanced bioremediation of chlorinated and nonchlorinated compounds	**CEE 526 Design of Hydraulic Systems** **CEE 570 Introduction to Geostatistics** **CEE 581 Aquatic Chemistry** **CEE 582 Environmental Microbiology** **CEE 583 Surfaces and Interfaces in Aquatic Systems** **CEE 586 Industrial Ecology** **CEE 587 Water Resource Policy** **CEE 589 Risk and Benefit Analysis in Env. Engineering** **CEE 590 Stream, Lake and Estuary Analysis** **CEE 686 Case Studies in Environmental Sustainability** **CEE 692 Biological and Chemical Degradation of Pollutants** **CEE 693 Environmental Molecular Biology**