

<h1>Summary of Course Requirements</h1>		<p>* (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>Descriptions for Core Courses (Required)</h2>		<h2>Elective Courses (must take 3)</h2>
<p>Mass. Institute Of Tech. (MIT)</p>	<p>1.89 Env. Microbiology A general introduction to the diverse roles of microorganisms in natural & artificial environments. Topics include: cellular architecture, energetics, and growth; evolution and gene flow; population and community dynamics; water and soil microbiology; biogeochemical cycling; and microorganisms in biodeterioration and bioremediation</p>	<p>1.85 Water and Wastewater Treatment Engineering: Overview of engineering approaches to protect water quality with an emphasis on fundamental principals. Theory and conceptual design of systems for treating municipal wastewater and drinking water, Reactor theory, process kinetics, and models. Physical, chemical, and biological processes, including sedimentation, filtration, biological treatment, disinfection, and sludge processing. Engineered and natural processes for wastewater treatment.</p> <p>1.34 Waste Containment & Remediation Tech. 1.72 Groundwater Hydrology 1.725J Chemicals in the Environment: Fate & Transport 1.76 Aquatic Chemistry 1.77 Water Quality Control 1.83 Environmental Organic Chemistry 1.64 Physical Limnology 1.714 Surface Hydrology 1.715 Env. Data Analysis 1.731 water Resource Systems 1.75 Limnology and Wetland Ecology 1.782 Env. Engineering MEng Project 1.811 Env. Law, Policy, and Economics 1.814J Industrial Ecology 11.479J Water & Sanit. Infrastruct. in Developing Countries</p>