

# 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><b>Tufts University</b></p>	<p><b>CEE 139 Bioremediation: Natural and Enhanced</b> Biodegradation of organic contaminants is evaluated in natural settings and in treatment processes. Aerobic and anaerobic pathways, their prediction and control are examined. Water, soil and vapor phase transformations are evaluated. Subject areas included kinetics, equilibria, sorption, gas transfer, and transformation products. Process design for treatment plants and in-situ applications applied to case studies.</p>	<p><b>CEE 239 Physicochemical Processes in Water and Wastewater Treatment</b> A study of the physical and chemical principles underlying the methods used in treatment systems. Subject areas include adsorption filtration aeration, sedimentation, and solids handling</p> <p>CEE132 Environmental Engineering Processes            CEE 133 Water and Wastewater Plant Design            CEE 134 Water and Wastewater Chemistry            CEE 172 Fate and Transport of Env. Contaminants            CEE 112 Hydrology and Water Resource Engineering            CEE 131 River Hydraulics and Restoration            CEE 113 Groundwater Hydrology            CEE 136 Air Pollution            CEE 138 Hazardous Waste Treatment Technology            CEE 103 Water Quality Modeling            CEE 114 Water Resources Systems Engineering            CEE 202 Environmental Statistics            CEE 143 Site Remediation            CEE 154 Principles of Epidemiology            CEE 173 Health Effects and Risk Assessment</p>