

<h1 style="text-align: center;">Summary of Course Requirements</h1>		<p style="text-align: center;">* (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 style="text-align: center;">Descriptions for Core Courses (Required)</h2>		<h2 style="text-align: center;">Elective Courses (must take 3)</h2>
<p>Univ. of Maryland</p>	<p>ENCE 752 Theory of Aqueous Waste Treatment Theory and Practical design of treating wastewater, hydraulics of plant, cost analysis. Biological oxidation of organics and biological nutrient removal are emphasized. Stabilization and disposal of biosolids.</p>	<p>ENCE 753 Unit Operations of Environmental Engineering - The fundamental theory of unitoperations in the physical, chemical, and biological treatment of water. Coagulation and flocculation, sedimentation, filtration, disinfection, ion exchange, adsorption, gas transfer, membrane processes. Pollution prevention and waste minimization will be integrated into the course</p> <p>ENCE 651 Chemistry of Natural Waters ENCE 637 Biological Principles of Environmental Engineering ENCE 650 *Processes Dynamics in Environmental Systems *(optional core phys-chem core course if ENCE 753 is not offered) ENCE 655 Environmental Behavior of Organic Pollutants ENCE 753 Unit Operations of Environmental Engineering ENCE 755 Transformations of Organic Compounds in the Env. ENCE 756 Bioremediation ENCE 757 Environmental Engineering Laboratory</p>