

<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><b>University of California, Los Angeles</b></p>	<p><b>C&amp;EE 255A. Physical and Chemical Processes for Water and Wastewater Treatment.</b> Review of momentum and mass transfer; chemical reaction engineering; coagulation and flocculation; granular filtration; sedimentation; carbon adsorption; gas transfer; disinfection; oxidation; and membrane processes.</p>	<p><b>C&amp;EE 255B. Biological Processes for Water and Wastewater Treatment.</b> Lecture, four hours, outside study, eight hours. Prerequisites: courses 254A, 255A, or consent of instructor. Fundamentals of environmental engineering microbiology; kinetics of microbial growth and biological oxidation; applications for activated sludge, gas transfer, fixed-film processes, aerobic and anaerobic digestion, sludge disposal, and biological nutrient removal.</p>	<p> <b>C&amp;EE 250A Surface Water Hydrology</b>  <b>C&amp;EE 250B Groundwater Hydrology</b>  <b>C&amp;EE 250C Math Modeling of Contam. Transport in Ground Water</b>  <b>C&amp;EE 251 Water Resources Systems Engineering</b>  <b>C&amp;EE 252 Engrg Econ analysis of Water &amp; Env Planning</b>  <b>C&amp;EE 253 Math Mdls for Wtr Quality Mgmt</b>  <b>C&amp;EE 254A Env Aquatic Inorg. Chem.</b>  <b>C&amp;EE 258A Membrane Separations in Aquat. systems</b>  <b>C&amp;EE 263A Physics of Env Transport</b>  <b>C&amp;EE 256A Mass Transfer in Env Systems</b>  <b>C&amp;EE 256B Contam Transp in Soils and Ground Water</b>  <b>C&amp;EE 266 Env Biotech</b> </p>