

<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>Stanford</b></p>	<p><b>CEE 271A. Physical and Chemical Treatment Processes—</b> Physical and chemical unit operations for water treatment, emphasizing combinations for drinking water supply. Application of the principles of process chemistry, rate processes, fluid dynamics, and process engineering to define and solve water treatment problems by flocculation, sedimentation, filtration, disinfection, oxidation, aeration, and adsorption. Investigative paper on water supply and treatment.</p>	<p><b>CEE 271B. Environmental Biotechnology—</b> Stoichiometry, kinetics, and thermodynamics of microbial processes for the transformation of environmental contaminants. Design of dispersed growth and biofilm-based processes. Applications include treatment of municipal and industrial waste waters, detoxification of hazardous chemicals, and groundwater remediation.</p>
		<p>CEE 260C Contaminant Hydrogeology            CEE 266C Watershed and wetlands hydrogeology            CEE 270 Movement &amp; Fate of Org Contam in GW &amp; SW            CEE 272 Coastal Contaminants            CEE 273 Aquatic Chemistry            CEE 273A Water Chemistry Laboratory            CEE 274A Env Microbiology I - Fundamentals            CEE 274B Env Microbiology II - organic Degradation            CEE 274C Env Microbiology Lab            CEE 274D Pathogens in disinfection            CEE 274E Pathogens in Environment            CEE 278A Air pollution - physics &amp; Chem            CEE 278B Atmospheric Aerosols</p>