

<h2 style="text-align: center;">Summary of Course Requirements</h2>			<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>
<h3 style="text-align: center;">Descriptions for Core Courses (Required)</h3>		<h3 style="text-align: center;">Elective Courses (must take 3)</h3>	
<p>Loyola Marymount Univ.</p>	<p>CIVL 611 Wastewater Treatment Systems Design Integration of Unit Processes and Unit Operations and functional engineering design of municipal wastewater treatment and water reclamation systems.</p>	<p>CIVL 643 Unit Operations and Processes for Water & Wastewater Treatment - Theory of the physical, chemical, and biological unit operations and processes for water and wastewater treatment; industrial water and wastewater problems, and advanced wastewater treatment processes. The integration of individual processes into practical treatment trains is discussed.</p>	<p> CIVL 610 Water Treatment Systems Design ENVS 610 Chemistry for Environmental Engineers ENVS 631 Principles of Water Quality Management ENVS 633 Aquatic Chemistry ENVS 644 Applied Microbiology CIVL 605 Engineering Communications ENVS 645 Environmental Engineering Laboratory ENVS 650 Watershed Management CIVL 656 Water Resources Systems Modeling CIVL 510 Open Channel Hydraulics CIVL 504 Applied Fluid Mechanics CIVL 612 Air Pollution Analysis CIVL 614 Industrial Waste Management CIVL 620 Computers & Environmental Analysis CIVL 635 Contaminant Transport In Groundwater CIVL 515 Groundwater Hydrology CIVL 511 Hydraulic Analysis and Design CIVL 643 Groundwater Management CIVL 615 Theory and Design of Waste Outfall Systems CIVL 648 Hazardous Substances Management CIVL 649 Contaminated Site Remediation Civl 670 Contracts and Specifications ENVS 500 Geology ENVS 613 Solid Wastes Engineering ENVS 615 Environmental Impact Reports ENVS 618 Applied Oceanography ENVS 625 Inland Waters CIVL 665 Economics of Water Resources CIVL 650 Fundamentals of Environmental Health Risk Assessment </p>