

\* (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.)

## Summary of Course Requirements

Descriptions for Core Courses (Required)			Elective Courses (must take 3)
<p><b>Univ. of New Mexico</b></p>	<p><b>CE 531 Physical-Chemical Water and Wastewater Treatment -</b> Theory and design of common physical-chemical treatment processes including sedimentation, coagulation, flocculation, water softening, oxidation, disinfection, sludge handling and disposal, filtration and centrifugation.</p>	<p><b>CE 536 Biological Wastewater Treatment -</b> Principles and design of wastewater treatment systems which are dependent on biological organisms. Processes covered include suspended culture and fixed culture systems, nutrient removal, hybrid systems, land application and on-site treatment systems. Emphasis will be placed on fundamental interaction between the organisms, wastes, and receiving body of water.</p>	<p><b>CE 532 Advanced Physical-Chemical Water and Wastewater</b>  <b>CE 534 Environmental Engineering Chemistry</b>  <b>CE 537L Aqueous Env. Chemistry and Analysis</b>  <b>CE 539 Radioactive Waste Mgmt</b>  <b>CE 540 Design of Hydraulic Systems</b>  <b>CE 541 Groundwater engineering</b>  <b>CE 442 Hydraulic Engr. and Hydrology</b>  <b>CE 542 Intermediate Hydrology</b>  <b>CE 543 Intro to Groundwater Contam. Transport Modeling</b>  <b>CE 544 Water Resources engineering</b>  <b>CE 545 Open Channel Hydraulics</b>  <b>CE 546 Hydraulic Structures</b>  <b>CE 549 Vadose Zone Hydrology</b></p>