

\* (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>University of Colorado</b></p>	<p><b>CVEN 5524- Drinking Water Treatment</b> - Provides advanced study on theory of treatment processes, including design and operation of municipal water supplies</p>	<p><b>CVEN 5534 - Wastewater Treatment</b> - Offers an advanced analysis of wastewater treatment systems; design and operation of treatment process reactors; factors affecting performance of facilities used for physical separation; and chemical and biological conversion of wastewater compounds; including nitrogen and phosphorus.</p> <p><b>CVEN 5404 Environmental Engineering Chemistry</b>  <b>CVEN 5424 Environmental Organic Chemistry</b>  <b>CVEN 5434 Environmental Engineering Design</b>  <b>CVEN 5474 Haz. and Industrial Waste Mgmt</b>  <b>CVEN 5484 Intro to Env. Microbiology</b>  <b>CVEN 5514 Bioremediation</b>  <b>CVEN 5544 Solid Waste Mgmt. and Resource Recovery</b>  <b>CVEN 6404 Advanced Aquatic Chemistry</b>  <b>CVEN 5444 Env. Engr. Processes</b>  <b>CVEN 5834 Water Sanitation and Hygiene</b>  <b>CVEN 5834-001 Water Reuse</b>  <b>CVEN 5834-002 Fundamentals and Applications of UV Processes in Environmental Systems</b>  <b>CVEN 5323-3 Applied Stream Ecology</b>  <b>CVEN 5565 (3) Life-Cycle Engineering of Civil Infrastructure Systems</b></p>