

# MINOR IN ENVIRONMENTAL ENGINEERING

Code	Title	Hours
CIVE 1170	Fluid Mechanics For Civil Engineers	3
CIVE 3610	Water Supply And Treatment	3
CIVE 3630	Wastewater Engineering	3
Choose two of the of the following (two electives)		6
CIVE 4670	Solid Waste Management	
CIVE 3620	Air Pollution Engineering I	
CIVE 3210	Soil Mechanics	
CIVE 4610	Hydrology And Water Resources	
CIVE 4680	Environmental Law	
CIVE 4980	Special Topics (Microbiome and multi-omics)	
CHEE 2010	Mass And Energy Balances	
CHEE 2230	Chemical Engineering Thermodynamics I	
ECON 3240	Environmental Economics	
<b>Total Hours</b>		<b>15</b>

- An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.
- An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.
- An ability to communicate effectively with a range of audiences.
- An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.
- An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.
- An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.
- An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.