

# ENVIRONMENTAL AND SUSTAINABLE ENGINEERING, MINOR IN

The minor in environmental and sustainable engineering consists of a minimum of 20 credits, including the following:

Course	Title	Hours
<b>Required courses</b>		
CHEM 309	Quantitative Analysis	3
CLSE 201	Chemical Engineering Fundamentals I: Material Balances	4
CLSE 202	Chemical Engineering Fundamentals II: Energy Balances and Engineering Thermodynamics	4
URSP 204	Physical Geography	3
<b>Electives</b>		
Select six credits from the following list.		6
CHEM 305	Physical Chemistry for the Life Sciences	
CLSE 580	Sustainable Chemical Engineering	
CLSE 585	Interfacial Phenomena	
ENVS 300	Sustainable Societies: James River Basin	
ENVS 301	Introduction to Meteorology	
ENVS 310	Introduction to Oceanography	
ENVS 311	Politics of the Environment	
ENVS 314	Human-Environment Interactions: Foundations and Applications	
ENVS 315	Energy and the Environment	
ENVS 321	Cartography	
ENVS 330	Environmental Pollution	
ENVS 332	Environmental Management	
ENVS 355	Water	
ENVS 361	Outdoor Team Building and Group Facilitation	
ENVS 368	Nature Writing	
ENVS 370	Applications of Conservation Science	
<b>Total Hours</b>		<b>20</b>

This program includes the following prerequisites with a minimum grade of C: CHEM 101, CHEM 102, CLSE 115, MATH 200 and MATH 201.