ENVIRONMENTAL ENGINEERING ASSOCIATE OF SCIENCE

Degree Plan

Code	Title	Credits
General Education Requirements		
Communications (9 credits)		
COM 110	Fund. of Public Speaking	3
ENG 110	Composition I	3
ENG 120	Composition II	3
Arts Humanities (3 credits)		
Select an Arts and Humanities general education course (https://uttc-public.courseleaf.com/academic-affairs/general-education-matrix/arts-humanities/) [1]		3
Social Sciences (3 credits)		
Select a Social Sciences general education course (https://uttc-public.courseleaf.com/academic-affairs/general-education-matrix/social-sciences/) [1]		3
Math, Science Technology (24 credits)		
CHM 121	General Chemistry I/LAB (/Lab)	4
CHM 122	General Chemistry II/LAB (/Lab)	4
CHM 240	Survey of Organic Chemistry/LAB (/Lab)	4
MTH 165	Calculus I	4
MTH 166	Calculus II	4
MTH 265	Calculus III	4
MTH 266	Differential Equations	3
Institutional Specific (2 Credits)		
FND 106	First Year Exp & Health Living	2
REQUIRED PROGRAM CORE COURSES: (10 Credits)		
ENR 116	Introduction to Engineering	3
ENR 211	Analysis and Design Methods for Environmental Engineers	1
ENR 250	Fundamentals of Environmental Engineering	3
ENR 201	Statics	3
PROGRAM CORE ELECTIVES: (10 CREDITS)		**10**
ENR 117	Computer-Aided Design and Drafting	
ENR 202	Dynamics	
ENR 203	Mechanics of Materials	
CSC 160	Computer Science I	
GEO 105	Physical Geology with Lab	
GIS 105	Fundamentals of GIS	
MTH 129	Basic Linear Algebra	
MTH 210	Elementary Statistics	
PHY 251	University Physics I	
PHY 252	University Physics II	
LAB 252	University Physics II Laboratory	
TES 199	Intro to Scientific Literature	
Total Credits		**64**

[1] Denotes Native Studies institutional requirement.

Program Learner Outcomes

Graduates of the Environmental Engineering AS degree program will:

1. Evaluate ethical responsibilities of engineers
2. Communicate effectively with a range of audiences
3. Utilize software for engineering applications
4. Solve complex problems