

Environmental Engineering

Curriculum Guide Fall 2024

STUDENT _____

NAID # _____

ADVISOR _____

	Fall				Spring				
	Course	Crs	Grade	Gen Ed	Course	Crs	Grade	Gen Ed	
Freshman (<27 crs)	ENVE 111	Intro. Env. Eng.	1		ENVE 112	Anal. and Design for Env. Engr.	1		
	CHEM 121	General Chem I	3	S	CHEM 122	General Chem II	3	S	
	CHEM 121L	General Chem I Lab	1	S	CHEM 122L	General Chem II Lab	1		
	-ENGL 110	College Comp I	3	C	COMM 110	Fund Public Speaking	3	C	
	ENGL 120	College Comp II	3	C	MATH 166	Calculus II	4		
	MATH 165	Calculus I	4	R	ME 221	Engr Mechanics I	3		
				<i>Gen Ed Elective</i>		See side bar	3	A	
			15				18		
Sophomore (27-59 crs)	ENVE 240	Micro. Prin. For Env. Eng.	3		ENVE 250	Fund. Env. Engr.	3		
	CE 212	CE Graphic Comm	3		CE 309	Fluid Mechanics	3		
	CHEM 240	Survey of Organic Chem.	3		IME 460	Envl. Engr. Data	3		
	GEOL 105	Physical Geology	3	S	MATH 128	Intro. Linear Algebra	1		
	MATH 259	Multivariate Calc	3		MATH 266	Differential Eqs.	3		
	ME 222	Engr Mechanics II	3		ME 223	Mech of Materials	3		
				<i>Gen Ed Elective</i>		See side bar	2	W	
			18				18		
Junior (60 - 89 crs)	ENVE 360	Chemistry for Env. Eng.	3		ENVE 412	Unit Ops. & Processes	2		
	ENVE 370	Sustainability Engr.	3		ENVE 450	Env. Chemistry Lab.	1		
	CE 310	Fluid Mechanics Lab	1		ENVE 460	Env. Fate and Trans.	3		
	CE 316	Soil Mechanics	3		CE 408	Water Resource & Supply	3		
	ENGL 321	Writing in the Tech. Prof.	3	C	CE 410	Water & Wastew. Engr.	3		
	ENGR 327	Eng., Ethics, and Tech.	3	A	<i>Gen Ed Elective</i>		See side bar	3	B
			16				15		
Senior (90 + crs)	ENVE 488	Senior Design I	2		ENVE 489	Senior Design II	2		
	PHYS 252	University Physics II	4		ENVE 473	Air Pollution	3		
	CE 472	Solid/Hazardous Waste	3		<i>Technical Elective</i>		See side bar	3	
	CE 477	Applied Hydrology	3		<i>Technical Elective</i>		See side bar	3	
	IME 440	Engr. Economy	3		<i>Gen Ed Elective</i>		See side bar	3	B
	<i>Technical Elective</i>	See side bar	3						
			18				14		

General Education (Gen Ed) Electives			
University general education categories, credit requirements, and approved course offerings are printed as a centerfold in the registration schedule for each term. Many categories have been integrated into the Environmental Engineering program with specific course requirements (left). For the remaining categories (below), students select approved courses of their choice (unless otherwise noted).			
Gen Ed	Course	Crs	Grade
A	ENGR 327 required	3	
A		3	
B		3	
B		3	
D ■	(double-count with ENGR 327)	3	
G ●	(double-count with A or B above)	3	
W		2	
NOTE:			
<i>One of Gen Ed 's A or B (above) should be global perspective</i>			
A or B		3	
Technical Electives			
<i>A list of approved courses is provided by the department.</i>			
Category	Course	Crs	Grade
Min. of 2 in Cat. 1		9	

- Gen Ed Categories:**
- A - Humanities/Fine Arts
 - B - Social/Behavioral Sciences
 - C - Communication
 - D - Cultural Diversity ■
 - G - Global Perspectives ●
 - R - Quantitative Reasoning
 - S - Science & Technology
 - W - Wellness

All ENVE students are required to have a "C" or above in MATH 165, 166, 259, 266, 128 before enrolling in an CE/ENVE course that utilizes these courses as prerequisites.

Notes: No grades less than "C" accepted in MATH courses.

Transfer students are required to take ENGR 327 regardless of general education completion.

Key: "T" indicated requirement satisfied with transfer credits. "IP" indicates a course currently in progress () indicates old course numbers.

"NR" indicates that it is not required

Students with an ACT sub-test score of 18+ (or SAT of 480+) are advised to enroll in ENGL 120. A passing grade will be awarded for 110 by completing 120 with a "C" or better.

Last Revised 10/04/24

TOTAL CREDITS	132
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