

ENVIRONMENTAL ENGINEERING - Catalog Year 2026

Total Credits = 120-129

Freshman Year, Fall Semester

Course Code	Description	Cr	Grade
EGR 101	Intro. to Eng. Design & Innov. (A4)	2	
MTH 141 +	Calculus I (A1, B3)	4	
CHM 101	General Chemistry Lec I (A1)	3	
CHM 102	General Chem I Lab	1	
GEO 103	Understanding the Earth	4	
HLT 101G	Perspectives on Public Health in the 21st Century (A2, C1)	3	

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Freshman Year, Spring Semester

Course Code	Description	Cr	Grade
EGR 106	Matlab for Engineering Applications (A4)	2	
EVE 101	Introduction to Environmental Engineering	1	
MTH 142 +	Calculus II (A1, B3)	4	
CHM 112	General Chem II Lecture	3	
PHY 203	Elementary Physics I (A1)	3	
PHY 273	Elementary Physics I Lab (A1)	1	
WRT 332	Technical Writing	3	

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Sophomore Year, Fall Semester

Course Code	Description	Cr	Grade
MTH 243	Calculus III	3	
CHE 212	Chemical Process Calcs.	3	
PHY 204	Elem. Physics II	3	
PHY 274	Elem. Physics II Lab	1	
CVE 374	Environ. Engineering	3	
	General Education Outcome(s) ¹	3	

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Sophomore Year, Spring Semester

Course Code	Description	Cr	Grade
MTH 244	Differential Equations	3	
CHM 114	General Chem. II Lab	1	
BIO 101	Principles of Biology I	4	
CHE 213	Thermodynamics	3	
EVE 222	Environ. Chemistry for Engineers	3	
CVE 250	CADD for Civil Engineers	3	

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Junior Year, Fall Semester

Course Code	Description	Cr	Grade
MCE 262	Statics	3	
MCE 354 or CHE 347	Fluid Mechanics	3	
[CVE 381 & CVE 382] or CVE 484	[Geotechnical Eng & Lab] or Environmental Hydrogeology	4	
CVE 472	Biosystems in Engineering	3	
	General Education Outcome(s) ¹	3	

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Junior Year, Spring Semester

Course Code	Description	Cr	Grade
CVE 370+	Hydraulic Engineering	3	
CVE 375	Environmental Engin. Lab	1	
CVE 425G	The Water-Food-Energy-Health Nexus (A1, C2)	3	
CVE 470	Water & Wastewater Transport Sys.	3	
CVE 474	Water Quality Sampling & Analysis	3	
ISE 304	Engin. Econ. & Project Plan.	3	

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Senior Year, Fall Semester

Course Code	Description	Cr	Grade
[CVE 381 & CVE 382] or CVE 484	[Geotechnical Eng & Lab] or Environmental Hydrogeology	4	
CVE 400	Engineering Licensure	1	
CVE 471	Water & Wastewater Treat. Sys.	3	
CVE 497	Civil Engineering Design I [capstone]	2	
EVE 444	Air Pollution Engineering	3	
	Professional Elective ²	3	

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Senior Year, Spring Semester

Course Code	Description	Cr	Grade
CVE 498	Civil Engineering Design II [capstone] (D1)	3	
EVE 438	Solid Waste Mgmt.	3	
EVE 476	Environmental Engineering Processes	2	
	Professional Elective ²	3	
	Professional Elective ²	3	

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Notes:

+ Course pre-requisites include grade requirements in previous coursework, see catalog or eCampus course description for details.

1) General Education Outcomes (A1-D1): if all outcomes are satisfied in fewer spaces than provided, you must take a course(s) of your choice (Free Elective) to ensure you have earned at least 120 credits as required to earn a BS degree. A complete detailing of these requirements are listed in the college's curriculum requirements section of this catalog.

2) Professional Elective Requirements: CVE 323G, 475, 477, 480, 482, 491, 492, 519, 535; GEO 483. Students can take a track of CHE courses to include CHE 347, 348, and 449. A maximum of three credits can be any 300-level or above CVE courses.

EGR 101 is intended for and required of all first-year engineering students. Course substitution is considered only on an exception basis for transfer students with 24 or more earned credits, or for students with unique circumstances, and requires prior approval of the Assistant Dean for Undergraduate Affairs.