

B.S CIVIL ENGINEERING (ENVIRONMENTAL EMPHASIS) - ENGINEERING MATH 2026

Freshman		Sophomore		Junior		Senior	
Fall (15 hrs)	Spring (14 hrs)	Fall (14 hrs)	Spring (15 hrs)	Fall (16 hrs)	Spring (16 hrs)	Fall (15 hrs)	Spring (15 hrs)
MATH 1060 or 1080 or 1210 or 1310 ↓		MATH 1060 or 1080 or 1210 or 1310 ↓		CVEEN 2140 ↓ WRTG 2010 ↓		CVEEN 3100 ↓ CVEEN 4900 & 1 Design TE & 1 Design TE ↓	
CVEEN 1000 Intro to Civil & Environmental Engineering F (3)	Additional Science CVEEN 1060 Life Science in Eng. (LS) SP (3)	CVEEN 2000 Seminar F (1)	CVEEN 1400 Computer-Aided Design SP (3)	CVEEN 3210 Structural Loads & Analysis (QI) F/SP (3)	CVEEN 3100 Technical Communication (CW) F/SP (3)	CVEEN 4900 Professional Prac. & Design I F/SP (3)	CVEEN 4910 Professional Prac. & Design II F/SP (3)
WRTG 1010 ↓		MATH 1310 & PHYS 2210 ↓ CVEEN 2010 ↓		CVEEN 2140 & 2310 ↓ CVEEN 2140 & 2310 ↓		CVEEN 3410 ↓ CVEEN 3510 ↓	
WRTG 1010 Introduction to Writing (WR1) F/SP/SU (3)	ENGL 2010 or WRTG 2010 Intermediate Writing (WR2) F/SP/SU (3)	CVEEN 2010 Statics F/SP (3)	CVEEN 2140 Strength of Materials F/SP (3)	CVEEN 3410 Hydraulics (QI) F/SP (3)	CVEEN 3310 Geotech (QI) F/SP (3)	CVEEN 5420 (D) Open Channel Flow F (3)	CVEEN 5500 Sustainable Materials (IR) SP (3)
MATH 1310 ↓		CVEEN 2010 ↓ CVEEN 2010 ↓		CHEM 1210 & CVEEN 2140 ↓ CVEEN 2140 & 2310 ↓		CVEEN 3310 ↓	
CHEM 1210 General Chemistry I (PS) F/SP/SU (4)	PHYS 2210 Physics for Sci & Engineers I F/SP/SU (4)	CVEEN 2310 Probability & Statistics F/SP (3)	CVEEN 2320 Economics & Management F/SP (3)	CVEEN 3610 Environmental F/SP (3)	CVEEN 3510 Materials (QI) F/SP (3)	CVEEN 5305 (D) Intro to Foundations F (3)	• Technical Elective F/SP (3)
CHEM 1210 ↓		See catalog for individual prerequisites ↓		CVEEN 3410 or 3610 ↓ CVEEN 3310 or 3510 ↓		CVEEN 2140 & 3610 ↓	
CHEM 1215 Gen Chemistry I Lab F/SP/SU (1)	<input type="checkbox"/> Science Exploration F/SP (3)	CVEEN 2750 Computer Tools or COMP 1010 Programming for All F/SP (3)		CVEEN 3016 Exploring Water/Enviro Lab F/SP (1)	CVEEN 3015 Exploring Geo/Materials Lab F/SP (1)	CVEEN 5610 Water Chemistry F (3)	• Technical Elective F/SP (3)
MATH (1050 & 1060) or MATH 1080 ↓ MATH 1310 ↓		MATH 1320 ↓ CVEEN 2010 ↓		CVEEN 2310 & 2140 ↓ CVEEN 2140 & 3610 ↓		American Institutions (AI) General Ed. Requirement (FF)	
MATH 1310 Engineering Calculus I (QI) F/SP (4)	MATH 1320 Engineering Calculus II F/SP/SU (4)	MATH 2250 Diff Equations & Linear Algebra F/SP/SU (4)	CVEEN 2410 Geomatics F/SP (3)	CVEEN 3520 Transportation F/SP (3)	CVEEN 5605 (D) Wastewater Treatment Design SP (3)	American Institutions (AI) F/SP/SU (3)	General Ed. Requirement (FF) F/SP/SU (3)
<input type="checkbox"/> Science Exploration can be satisfied by taking one of the following: CHEM 1220 or PHYS 2220 or any 1000+ course in the following departments: Astronomy, Biology, Geology, and Atmospheric Sciences . Recommended courses: ATMOS 3100 (Atmos Chem), GEO 1120 (Intro to Earth Sys Sci), ATMOS 1020 (Climate Change). The course used to satisfy the Science Exploration cannot be double counted to satisfy the Additional Science and vice versa. Recommended HF + DV course options: QUEST 1130 (EPS Rethink Creativity), LING 2600 (Cross Cultural Comm). Recommended BF + DV course options: QUEST 1120 (EPS Decision Making).		General Ed. Requirement (BF) F/SP/SU (3)		General Ed. Requirement + DV (HF + DV) F/SP/SU (3)		<ul style="list-style-type: none"> Choose 2 of the following: CVEEN 4605 (Intro to Data Sci in Civil), CVEEN 5600 (Waste Mgmt & Remed), CVEEN 5615 (Emerging Enviro Issues), CH EN 5305 (Air Pollution) or CH EN 5306 (Appl Atmos Modeling). Only 1 CH EN course can be taken. 	
						<p style="text-align: center;">Key</p> <p>Major Status Required </p> <p>Prerequisite Corequisite ↓</p>	