



2025-2026 ISU Environmental Engineering – 131 CR

Semester 1 17 CR	ENGR 1010 – R CR Engineering Orientation Fall only	ENVE 1200 – 1 CR ENVE Learning Community Fall only	CE 1600 – 3 CR Engineering Problems Co: MATH 1650	MATH 1650 – 4 CR Calculus I (C- or higher required)	CHEM 1770 – 4 CR General Chemistry I Co: CHEM 1770L	CHEM 1770L – 1 CR Lab in General Chemistry I Co: CHEM 1770	ENGL 1500 – 3 CR Critical Thinking and Communication (C or higher required)	LIB 1600 – 1 CR Intro to College Level Research
Semester 2 18 CR	ENVE 1900 – 2 CR Intro to Undergrad Research Spring only Pre: Instructor permission	MATH 1660 – 4 CR Calculus II Pre: C- or higher in MATH 1650	PHYS 2310 – 4 CR Intro to Classical Physics I Pre: MATH 1650 Co: MATH 1660	PHYS 2310L – 1 CR Intro to Classical Physics I Lab Pre: MATH 1650 Co: MATH 1660, PHYS 2310	CE 2710 – 1 CR Engineering Foundations of Statics Pre: MATH 1650 Co: PHYS 2310, PHYS 2310L	ENGL 2500 – 3 CR Written, Oral, Visual, and Electronic Comp (C or higher required) Pre: ENGL 1500 Co: LIB 1600	Social Science & Humanities Elective – 3 CR *	
Semester 3 16 CR	ENVE 2010 – 3 CR ENVE Measurements and Analysis Fall only Pre: ENVE 1900	MATH 2650 – 4 CR Calculus III Pre: C- or higher in MATH 1660	CE 2720 – 2 CR Applied Engineering Statics Pre: CE 2710, PHYS 2310, PHYS 2310L Co: C- or higher in MATH 1660	CHEM 1780 – 3 CR General Chemistry II Pre: CHEM 1770, CHEM 1770L	CHEM 1780L – 1 CR Lab in General Chemistry II Pre: CHEM 1770L Co: CHEM 1780	Social Science & Humanities Elective – 3 CR *		
Semester 4 17 CR	ABE 3780 – 3 CR Mechanics of Fluids Pre: CE 2720	ABE 3780L – 1 CR Mechanics of Fluids Lab Co: ABE 3780	BIOL 2510 – 3 CR Biological Processes in the Environment Spring only	CE 3060 – 3 CR Project Management for Civil Engineers Pre: All Engineering Basic Program Courses	MATH 2660 – 3 CR Elem. Differential Equations Pre: C- or higher in MATH 1660	CHEM 2310 – 3 CR Elementary Organic Chemistry Pre: CHEM 1770, CHEM 1770L Co: CHEM 2310L	CHEM 2310L – 1 CR Lab in Elementary Organic Chemistry Pre: CHEM 1770L Co: CHEM 2310	
Semester 5 17-18 CR	ENVE 3260 – 3 CR Principles of Environmental Engineering Pre: CHEM 1770, MATH 1660 Co: ABE 3780	MICRO 2010 – 2 CR Intro to Microbiology Pre: One BIOL course	EM 3240 – 3 CR Mechanics of Materials Pre: CE 2720	CE 2060 – 3 CR Engr Econ Analysis and Professional Issues in CE Pre: ENVE 1200, ENGL 2500, MATH 1660	Engineering Statistics: STAT 2310 – 4 CR or STAT 3050 – 3 CR	Sustainability Elective – 3 CR *		
Semester 6 16 CR	CE 3720 – 3 CR Engr Hydrology and Hydraulics Pre: ABE 3780, (STAT 2310 or STAT 3050)	ME 2310 – 3 CR Engineering Thermodynamics I Pre: (CHEM 1670 or CHEM 1770), MATH 1660, PHYS 2310, PHYS 2310L	GEOL 2010 – 3 CR Geology for Engineers	CE 3600 – 4 CR Geotechnical Engineering Pre: EM 3240 Co: GEOL 2010	Technical Communication Elective – 3 CR *			
Semester 7 15 CR	ENVE 4260 – 3 CR Environmental Engineering Science Fall only Pre: ENVE 3260, CHEM 2310 Co: MICRO 2010	ENVE 4300 – 3 CR Solid and Hazardous Waste Management Fall only Pre: ENVE 3260 Co: ENVE 4260	Engineering Topics Elective – 3 CR *	SPCM 2120 – 3 CR Fundamentals of Public Speaking	International Perspective – 3 CR *			
Semester 8 15 CR	ENVE 4270 – 3 CR Environmental Engineering Systems Spring only Pre: MATH 2650, MATH 2660, ENVE 3260, CE 3720	ENVE 4280** - 3 CR Water and Wastewater Treatment Plant Design Spring only Pre: ENVE 3260	ENVE 4290 – 3 CR Air Pollution and Control Spring only Pre: MATH 2650, ENVE 3260	Engineering Topics Elective – 3 CR *	US Cultures and Communities – 3 CR *			

KEY
 Pre: prerequisite
 Co: corequisite
 CR: credit

 Environmental Core
 2.0 GPA Required

 Basic Program
 2.0 GPA Required

Notes
 Although this program chart is provided for your guidance, the University Catalog contains the definitive list of requirements.
 *Choose elective from Environmental Engineering approved list.
 **Must be taken within the final two semesters.