



MSU COLLEGE OF AEROSPACE, COMPUTING, ENGINEERING, AND DESIGN

Environmental Engineering (EVE) B.S. Minimum 128 credits

Catalog Year 2025-2026

Minor (NOT required)

This is not an official list of degree requirements. Adjustments may be required due to curriculum changes. Recommendation only.

First Year		
Fall: 18 Credits	EVE 1040 Introduction to Environmental Engineering (F)	3
	MTH 1410 Calculus I	4
	CHE 1800 General Chemistry I AND CHE 1801 Laboratory	5
	Written Communication	3
	CPE 2350 Programming for Engineers	3
Total Credits		18
Spring: 15 Credits	Oral Communications	3
	PHY 2311 General Physics I (4) AND PHY 2321 Laboratory (1)	5
	MTH 2410 Calculus II	4
	EVE 1215 Engineering Graphics-Solid Modeling (S)	3
Total Credits		15

Third Year		
Fall: 16 Credits	EVE 3185 Fundamental Fluid Mechanics with Laboratory (F)	4
	PHY 2331 General Physics II AND PHY 2341 Laboratory	5
	EVE 3500 Fate/Transport of Contaminants in the Envir. (F)	3
	BIO 1080 General Biology I AND BIO 1090 Laboratory	4
Total Credits		16
Spring: 16 Credits	EVE 3730 Environmental Risk Assessment (S)	3
	MTH 3210 Probability and Statistics	4
	EVE 4000 Environmental Nanotechnology (S)	3
	EVE 4500 Solid and Hazardous Waste Engineering (S)	3
	Social Behavioral Sciences (GD or ESSJ)*	3
Total Credits		16

Second Year		
Fall: 18 Credits	CHE 1810 General Chemistry II AND CHE 1811 Laboratory	5
	MTH 2420 Calculus III	4
	EVE 2150 Mechanics of Static Systems (F)	3
	EVE 3000 Concepts in Environmental Engineering (F)	3
	Written Communication	3
Total Credits		18
Spring: 17 Credits	EVE 2000 Analytical Methods of Water and Wastewater (S)	4
	EVE 3135 Strength of Materials (S)	3
	EVE 3110 Thermodynamics (S)	3
	MTH 3420 Differential Equations	4
	Historical (GD or ESSJ)*	3
Total Credits		17

Fourth Year		
Fall: 14 Credits	EVE 3400 Water and Wastewater Engineering (F)	3
	EVE 4160 Geotechnical Engineering with Laboratory (F)	4
	EVE 4611 Capstone: Senior Design Project I (F)	1
	EVE 4400 Water Resources Engineering (F)	3
	Arts and Humanities (GD or ESSJ)*	3
Total Credits		14
Spring: 14 Credits	EVE 4300 Envir. Assessment of Plastic Particles (S)	3
	EVE 4612 Senior Design Project II	2
	Social Behavioral Sciences (GD or ESSJ)*	3
	Approved EVE Technical Elective (3 credits)	3
	Arts and Humanities (GD or ESSJ)*	3
Total Credits		14

*(F)=Fall Only Class, (S)=Spring Only Class, Su=Summer;

EVE Approved Technical Electives: EVE 4700: Open Channel Hydraulics (S); EVE 4910: AI and Remote Sensing in Sustainability (S) & EVE 3980 Internship (F/S/Su)

*GD = global diversity class *ESSJ = ethnic studies and social justice class

*Course Rotation Info.

***Course Rotation Information**

Year	Fall	Spring
1	EVE 1040	EVE 1215
2	EVE 2150 EVE 3000	EVE 2000 EVE 3135 EVE 3110
3	EVE 3185 EVE 3500	EVE 3730 EVE 4000 EVE 4500
4	EVE 3400 EVE 4160 EVE 4611 EVE 4400	EVE 4300 EVE 4612