



ENVE 21-22 Catalog (v2 starts F'24)

Environmental Engineering

Math Level 5: M 171Q Start

128 total credits required to graduate (42 of those 128 must be 300 level and above)

WRIT 101W exempt? Substitute WRIT 201 or WRIT 221 or HONR 202

PROFESSIONAL ELECTIVE COURSES – SEE BACK OF FLOWCHART

Pre-Professional Block Courses (Complete w/C- or better before taking Prof. Block Courses)

Choose one course from the following CORE 2.0 topics:
 A = IA/RA (Inquiry Arts/Research Arts)
 H = IH (Inquiry Humanities)
 S = IS (Inquiry Social Sciences)
 D = D (Diversity)

Mechanics Courses

Math Courses

Science Content

2022-23
For planning purposes: The MSU catalog displays official degree and prerequisite requirements. Some courses from prior catalogs have been discontinued or replaced. It is recommended that students on 2012-2021 catalogs follow this flowchart to complete their degree requirements.)

Communication Content

"Cultural" Core

Must Complete:
 EENV 341 or 342, and ECIV 333, and EGEN 310R Prior to taking ECIV 499R (Design)

Name _____

MSU GID _____

Prerequisite →

Co-requisite - - - - - →

2021 Environmental Engineering Professional Electives (Total of 18 credits required)

Revised 3/24

	Rubric	No	Cr Hrs	Title	Offered	Prerequisite	
At least 6 credits of these	Water Resources Elective						
		ECIV	431	3	Open Channel Hydraulics	F	ECIV 333
		ECIV	435	3	Closed Conduit Hydraulics	S	ECIV 333
		EENV	432	3	Advanced Hydrology	S	ECIV 333
		EENV	434	3	Groundwater Remediation (cannot double count)	S	ECIV 337
	EENV	436	3	Storm Water Management Engr. (cannot double count)	F	ECIV 333 and EENV 341	
At least 6 credits of these	Environmental Engineering Elective						
		EENV	434	3	Groundwater Remediation (cannot double count)	S	ECIV 337
		EENV	436	3	Storm Water Management Engr. (cannot double count)	F	ECIV 333 and EENV 341
		EENV	441	3	Natural Treatment Systems	S	EENV 342
		EENV	443	3	Air Pollution Control	F	ECIV 337 and CHMY 141
	EENV	445	3	Hazardous Waste Treatment	F	EENV 342	
Additional 6 credits required from the lists above or below to reach the required 18 credits. See your advisor for guidance.							
	BIOE	370	3	General Ecology	F,S	BIOB 170	
	BIOE	428	3	Freshwater Ecology	F	BIOE 370	
	BIOM	430	4	Applied and Environmental Microbiology	S	BIOM 360	
	BIOM	452	3	Soil and Environmental Microbiology	S	CHMY 143, ENSC 245	
	DDSN	245	3	Civil Drafting	F,S	DDSN 131	
	ECIV	320	3	Geotechnical Engineering (if not taken for ENSC 245)(cannot double count)	F,S	EGEN 205	
	ECIV	401	1	Civil Engineering Practice & Ethics	F,S		
	ECIV	406	3	Sustainability Issues in Construction	S	ECIV 308	
	ECHM	405	3	Sustainable Energy	F	EMAT 251 and ECHM 307 or EMEC 320	
	EENV	440	3	Water Chemistry	F	EENV 340 or EENV 341	
	EGEN	420	3	Ice & Snow Mechanics	S		
	ENSC	353	3	Environmental Biogeochemistry	F	CHMY 143, ENSC 245	
	ENSC	407	3	Environmental Risk Assessment	F even	BIOB 170	
	ENSC	448	3	Stream Restoration Ecology	F	BIOB 170, BIOE 370	
	ENSC	460	3	Soil Remediation	S	ENSC 245	
	ENSC	461	3	Restoration Ecology	F	BIOB 170, BIOB 370	
	GPHY	384	3	Advanced GIS and Spatial Analysis	F,S	GPHY 284	
	EENV	490	1-4	Undergraduate Research	F,S,Su		
	ECIV	492	1-4	Independent Study	F,S,Su		
	ECIV	498	3 max	Career Internship	Su		
Maximum						A petitioned course.	
						A course from a completed minor.	
						A course from a prior/concurrent BS/BA degree.	
						A course from a completed Honors program.	