

Environmental Engineering - Environmental Sustainability and Resilience, M.S.

Thesis Option

Code	Title	Semester Credit Hours
Core Requirements for Concentration in Environmental Sustainability and Resilience		
EVEN 6345	Environmtl Sustain&Resilience	3
EVEN 6347	Data Science for Next Generation of Community Researchers	3
EVEN 6349	Grad Prof Skills Developmt Lab	3
EVEN 6102	Grad Sem in Environmental Eng	1
Thesis Requirement		
EVEN 5306	Thesis	3
EVEN 5306	Thesis	3
Choose two (2) courses from the following:		6
EVEN 6308	Fundmnls Solid Hazardous Waste	
EVEN 6309	Fundmnls Air Qual&Polutn Contr	
EVEN 6316	Fundmnls of Environ Biotech	
EVEN 6319	Chem Prin of Envir Eng Design	
EVEN 6325	Physical-Chem Water Treatment	
Choose one (1) environmental modeling or data course:		3
EVEN 6318	Environmental System Modeling	
EVEN 6332	Environmental Data Analysis	
PSYC/SOCI 5310	Data Analys in Social Research	
MEEN 6321	Adv Eng Data Analysis & Opt	
Approved Electives		6
EVEN 5303	Advanced Topics in Environmental Engineering *	
EVEN 6304	Internship in Environ Eng *	
EVEN 6311	Air Quality Modeling	
EVEN 6312	Surface Water Quality Modeling	
EVEN 6313	Groundwater Contamin Transport	
EVEN 6329	Environ Monitor and Measurmnts	
EVEN 6340	Decision Sci for Environ Systm	
EVEN 6341	Enviromental Informatics	
EVEN 6354	Environmental Regs & Policy	
EVEN 6356	Spec Top in Environmental Eng	
EVEN 6356	Spec Top in Environmental Eng (Topic: Environmental Exposure Assessment)	
IEEN 5320	Fundamentals Sustainable Eng	
IEEN 5327	Adv Engineering Project Mnmt	
PSYC 5331	Lifestyles and Career Devel	
SOCI 5303	Advanced Research Methods	
EDBL 6393	Adv Topics in Bilingual Ed II (Topic: Posthumanism)	
EDBL 6393	Adv Topics in Bilingual Ed II (Topic: Curriculum Theory)	
GEOL 5312	Geographic Info Systems	
GEOL 5352	Remote Sensing	
RAMT 5351	Sys Apprch Natrl Res Prblm Sol	
Total Semester Credit Hours		31

* Master's students receiving funding from an active research grant or project may enroll in an internship or co-op course (using either EVEN 5303 or EVEN 6304) once during their program, after completing at least three semesters in the M.S. program. Enrollment requires approval from both the research advisor and the Division Chair.

Research Project Option

Code	Title	Semester Credit Hours
Core Requirements for Concentration in Environmental Sustainability and Resilience		
EVEN 6345	Environmtl Sustain&Resilience	3
EVEN 6347	Data Science for Next Generation of Community Researchers	3
EVEN 6349	Grad Prof Skills Developmt Lab	3
EVEN 6102	Grad Sem in Environmental Eng	1
Research Project Requirement		
EVEN 5305	Graduate Research Project	3
Choose two (2) courses from the following:		6
EVEN 6308	Fundmnls Solid Hazardous Waste	
EVEN 6309	Fundmnls Air Qual&Polutn Contr	
EVEN 6316	Fundmnls of Environ Biotech	
EVEN 6319	Chem Prin of Envir Eng Design	
EVEN 6325	Physical-Chem Water Treatment	
Choose one (1) environmental modeling or data course:		3
EVEN 6318	Environmental System Modeling	
EVEN 6332	Environmental Data Analysis	
PSYC/SOCI 5310	Data Analys in Social Research	
MEEN 6321	Adv Eng Data Analysis & Opt	
Approved Electives		9
EVEN 5303	Advanced Topics in Environmental Engineering *	
EVEN 6304	Internship in Environ Eng *	
EVEN 6311	Air Quality Modeling	
EVEN 6312	Surface Water Quality Modeling	
EVEN 6313	Groundwater Contamin Transport	
EVEN 6329	Environ Monitor and Measurmnts	
EVEN 6340	Decision Sci for Environ Systm	
EVEN 6341	Enviromental Informatics	
EVEN 6354	Environmental Regs & Policy	
EVEN 6356	Spec Top in Environmental Eng	
EVEN 6356	Spec Top in Environmental Eng (Topic: Environmental Exposure Assessment)	
IEEN 5320	Fundamentals Sustainable Eng	
IEEN 5327	Adv Engineering Project Mnmt	
PSYC 5331	Lifestyles and Career Devel	
SOCI 5303	Advanced Research Methods	
EDBL 6393	Adv Topics in Bilingual Ed II (Topic: Posthumanism)	
EDBL 6393	Adv Topics in Bilingual Ed II (Topic: Curriculum Theory)	
GEOL 5312	Geographic Info Systems	
GEOL 5352	Remote Sensing	
RAMT 5351	Sys Apprch Natrl Res Prblm Sol	
Total Semester Credit Hours		31

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Course Only Option

Code	Title	Semester Credit Hours
Core Requirements for Concentration in Environmental Sustainability and Resilience		
EVEN 6345	Environmtl Sustain&Resilience	3
EVEN 6347	Data Science for Next Generation of Community Researchers	3
EVEN 6349	Grad Prof Skills Developmt Lab	3
EVEN 6102	Grad Sem in Environmental Eng	1
Choose two (2) courses from the following:		6
EVEN 6308	Fundmnls Solid Hazardous Waste	
EVEN 6309	Fundmnls Air Qual&Polutn Contr	
EVEN 6316	Fundmnls of Environ Biotech	
EVEN 6319	Chem Prin of Envir Eng Design	
EVEN 6325	Physical-Chem Water Treatment	
Choose one (1) environmental modeling or data course:		3
EVEN 6318	Environmental System Modeling	
EVEN 6332	Environmental Data Analysis	
PSYC/SOCI 5310	Data Analys in Social Research	
MEEN 6321	Adv Eng Data Analysis & Opt	
Approved Electives		12
EVEN 5303	Advanced Topics in Environmental Engineering *	
EVEN 6304	Internship in Environ Eng *	
EVEN 6311	Air Quality Modeling	
EVEN 6312	Surface Water Quality Modeling	
EVEN 6313	Groundwater Contamin Transport	
EVEN 6329	Environ Monitor and Measurmnts	
EVEN 6340	Decision Sci for Environ Systm	
EVEN 6341	Enviromental Informatics	
EVEN 6354	Environmental Regs & Policy	
EVEN 6356	Spec Top in Environmental Eng	
EVEN 6356	Spec Top in Environmental Eng (Topic: Environmental Exposure Assessment)	
IEEN 5320	Fundamentals Sustainable Eng	
IEEN 5327	Adv Engineering Project Mnmt	
PSYC 5331	Lifestyles and Career Devel	
SOCI 5303	Advanced Research Methods	
EDBL 6393	Adv Topics in Bilingual Ed II (Topic: Posthumanism)	
EDBL 6393	Adv Topics in Bilingual Ed II (Topic: Curriculum Theory)	
GEOL 5312	Geographic Info Systems	
GEOL 5352	Remote Sensing	
RAMT 5351	Sys Apprch Natrl Res Prblm Sol	
Total Semester Credit Hours		31

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