

ALL RHET:1030 Rhetoric F/S Diversity & Inclusion 3 ALL Be Creative 3 ALL Approved Gen Ed Course 3 ALL Approved Gen Ed Course 5 FURP:3001 Planning Livable Cities 3 FURP:3001 Planning Livable Cities 3 Sh F/S MATH:1550 Math I: Single Variable Calculus (P: ALEKS score ≥ 75 or MPT Level 3 score ≥ 9) 4 ALL MATH:2550 Math II: Multivariable Calculus (P: MATH:1550) 4 ALL MATH:2550 Math III: Matrix Algebra (P: MATH:1550) 4 ALL MATH:2550 Math III: Matrix Algebra (P: MATH:1550) 5 STAT:2020 Probability & Statistics For Engr & Phys Sci (P: MATH:1550) 3 ALL CHEM:1110 Principles of Chemistry I (P: ALEKS score ≥ 55 or MPT Level 3 score ≥ 9) 4 ALL PHYS:1611 Introductory Physics I / Lab (C: MATH:1550) 4 CHEM:1110 Principles of Chemistry I (P: ALEKS score ≥ 55 or MPT Level 3 score ≥ 9) 4 ALL PHYS:1611 Introductory Physics I / Lab (C: MATH:1550) 4 CHEM:1110 Principles of Chemistry I (P: ALEKS score ≥ 55 or MPT Level 3 score ≥ 9) 4 CHEM:1110 Intro to Engineering Success for First-Year Students (First semester standing) 1 F ENGR:1000 Engineering Success for First-Year Students (First semester standing) 1 F ENGR:1100 Intro to Engineering Computing (C: MATH:1550) 3 CENTER ENGR:1210 Statics (P: MATH:1550) C MATH:1550) 4 ALL CHEM:1210 Principles of Chemistry I (P: CHEM:1110) 4 ALL CHEM:2210 Organic Chemistry I (no lab required) 3 ALL ENGR:2210 Statics (P: MATH:1550) E MATH:1550 E PHYS:1611 BNGR:2210 Organic Chemistry I (no lab required) 3 ALL ENGR:2210 Statics (P: MATH:1550) E MATH:1550 3 ALL ENGR:2210 Third Mechanics (P: MATH:1550) E ENGR:2210 C ENGR:22100 4 ALL ENGR:2210 Third Science (P: CHEM:1110) P(P: CHEM:1110) 4 CEE:3155 Principles of Environmental Enjeneering (with Lab) (P: CHEM:1110) 3 CEE:3430 Water Treatment (with Lab) (P: ENGR:2210 & CEE:3155) 5 CEE:3430 Water Treatment (with Lab) (P: ENGR:2210 & CEE:3155) 5 CEE:4150 Environmental Chemistry (P: CHEM:1120) 5 CEE:3430 Water Treatment (with Lab) (P: CHEM:1120) 6 CEE:34150 Environmental Chemistry (P: CHEM:1120) 7 CEE:4155 Solid and Hazardous Wates 8 CEE:4150 Environmental Chemi	Gen	eral Education (19 sh)	sh
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F CEE:3001 Leadership Skills for Engineers (junior standing) 1			
3,			
S CEE:3002 Technical Communication in CEE (sonhomore standing)	S	CEE:3002 Technical Communication in CEE (sophomore standing)	1

CEE:3003 Project Management Skills (senior standing)

ENVIRONMENTAL FOCUS AREA:

Urban Studies

Department of Civil and Environmental Engineering

Required: Urban Studies (0 sh) sh

Ele	ctives: Urban Studies (15 sh)	sh
Elec	tives: Focus Area, Minor, Certicate, etc.	sh
selec	4 courses from the list below	
F	PBAF:3560 Public Policy and Persuasion (P:RHET:1030 or RHET:1040 or RHET:1060)	3
F	PBAF:3570 Poverty Policy	3
F	URP:2020 Environment and Society: Sustainability, Policy, and Politics	3
S	URP:4170 Megacities Seminar	3
S	URP:4225 Applied GIS for Planning and Policy Making	3
S	URP:4253 Designing Sustainable and Healthy Cities	3
S	URP:4260 Transportation Policy and Planning	3
F	URP:4266 Transportation and Land Use Planning	3
S	URP:4273 Community Development Through Creative Placemaking	3
F	URP:4280 Planning for Disaster Mitigation and Recovery	3
S	URP:4295 Economic Development Policy	3
S	URP:4752 Eight Generation Planning: Envisioning Cities for Year 2228	3
F	CRIM:4120 Environmental Criminology (P: CRIM:1410)	3
	Any other course approved for the Urban Studies Minor	
Elec	tives: Focus Area, Minor, Certicate, etc.	sh
selec	1 course from the list below	
	Any 3000 level or above course(s) in CEE	
F	URP:3350 Transportation Economics ¹	3
F	CEE:2015 Civil Engineering Tools	2
S	ISE:2500 Engineering Economy (C: STAT:2020)	3
F/S	ENGR:2995 Intro to AI & Machine Learning in Engineering (P: ENGR:1300; C: MATH:2550)	3
F/S	ENGR:2730 Computers in Engineering (P: ENGR:1300)	3
F/S	GEOG:1050 Foundations of GIS	4
S	GEOG:3210 Health Work and Environment	3
F/S	OEH:4240 Global Environmental Health	3
F	ECON:3625 Environmental and Natural Resources Economics (P: ECON:1100 & ECON:1200)	3

Students in the Focus Area will receive a Minor in Urban Studies. Students must enroll in the minor through the School of Planning and Public Affairs.

¹If URP:3350 is taken, coursework will satisfy requirements of the Certificate in Urban Studies. Students should enroll in the certificate through the School of Planning and Public Affairs.