

en	eral Education (19 sh)	sh
L	RHET:1030 Rhetoric	4
S	Diversity & Inclusion	3
L	Be Creative	3
L	Approved Gen Ed Course	3
L	Approved Gen Ed Course	3
L	Approved Gen Ed Course	3
at	h & Basic Science Core (24 sh)	sh
;	MATH:1550 Math I: Single Variable Calculus (P: ALEKS score \geq 75 or MPT Level 3 score \geq 9)	4
L	MATH 1560 Math II: Multivariable Calculus (P: MATH: 1550)	4
L	MATH:2550 Math III: Matrix Algebra (P: MATH:1550)	2
L	MATH:2560 Math IV: Differential Equations (P: MATH:1560 & MATH:2550)	3
5	STAT:2020 Probabilty & Statistics For Engr & Phys Sci (P: MATH:1560)	3
L	CHEM:1110 Principles of Chemistry I (P: ALEKS score \geq 55 or MPT Level 3 score \geq 9)	4
L	PHYS:1611 Introductory Physics I / Lab (C: MATH:1550)	4
ng	ineering Core (7 sh)	sh
	ENGR:1000 Engineering Success for First-Year Students (First semester standing)	1
	ENGR:1100 Intro to Engineering Problem Solving	3
	ENGR:1300 Intro to Engineering Computing (C: MATH:1550)	3
vi	Engineering Requirements (45 sh)	sh
	CHEM:1120 Principles of Chemistry II (P: CHEM:1110)	4
	PHYS:1612 Introductory Physics II / Lab (P: PHYS:1611; C: MATH:1560)	4
	ENGR:2110 Statics (P: MATH:1550; C: MATH:1560 & PHYS:1611)	2
	ENGR:2130 Thermodynamics (P: CHEM:1110 & PHYS:1611; C: MATH:1560)	3
	ENGR:2510 Fluid Mechanics (P: MATH:2560 & ENGR:2710; C: ENGR:2130)	4
*	ENGR:2710 Dynamics (P: ENGR:2110 & MATH:1550)	3
k	ENGR:2750 Mechanics of Deformable Bodies (P: ENGR:2110; C: MATH:2560)	3
	CEE:1030 Intro to Earth Science (no lab required)	3
	CEE:2015 Civil Engineering Tools	2
	CEE:3155 Principles of Environmental Engineering (P: CHEM:1110)	4
	CEE:3371 Principles of Hydraulics and Hydrology (P: ENGR:2510)	3
	CEE:3530 Geomechanics (P: ENGR:2750)	4
	CEE:3533 Principles of Structural Engineering (P: ENGR:2750)	4
	CEE:3586 Civil Engineering Materials (P: ENGR:2750)	3
	CEE:3763 Principles of Transportation Engineering (C: ENGR:1100)	3
ap	stone Design Courses (3 sh)	sh
s.	CEE:4850 Project Design & Management in CEE (P: final semester; C: CEE:3003)	3
ΞE	Professional Skills (4 sh)	sh
	CEE:2010 Professional Practice and Ethics	1
	CEE:3001 Leadership Skills for Engineers (junior standing)	1
	CEE.SUUL LeduelShip Skiis IOI Engineers (junior stanama)	
	CEE:3002 Technical Communication in CEE (junior standing)	1

F

CEE:3003 Project Management Skills (senior standing)

CIVIL FOCUS AREA: Environmental

Department of Civil and Environmental Engineering

Re	quired: Environmental (7 sh)	sh
F	CEE:4157 Environmental Engineering Design (P: CEE:3155)	3
S	CEE:3430 Water Treatment (w/ Lab) (P: CEEE:3155 & ENGR:2510)	4

Ele	ctives: Environmental (21 sh)	sh
CEE	Design Course*	sh
select	t one course from this list	
F	CEE:4374 Water Resource Design (P:CEE:3371)	3
F	CEE:4506 Design of Concrete Structures (P:CEE:3533)	3
S	CEE:4535 Design of Steel Structures (P: CEE:3533)	3
F	CEE:4762 Design of Transportation Systems (P: CEE:3763)	3

Electives: Focus Area, Minor, Certicate, etc.	sh				
select 4 courses from the list below					
F CEE:4102 Groundwater	3				
S CEE:4107 Sustainable Systems	3				
F CEE:4119 Hydrology (P: ENGR:2510)	3				
F CEE:4150 Environmental Chemistry (P: CHEM:1120)	3				
F CEE:4158 Solid and Hazardous Wastes	3				
S CEE:4159 Air Pollution Control Technology	3				
Electives: Focus Area, Minor, Certicate, etc. sh					
select 2 courses from the list below					
Any additional CEE Design Course(s) listed above					
Any additional elective course(s) in CEE					
S ISE:2500 Engineering Economy (C: STAT:2020)	3				
F/S ENGR:2120 Electrical Circuits (C: MATH:2560)	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				
Any pre-approved non-engineering Focus Area course(s) (see CEE web site for list of pre-approved courses)					
All other course(s) require approval for Focus Area credit					

(see CEE web site regarding the approval process)

1

Total Semester Hour Requirements: 130