

Gen	eral Education (19 sh)	sh
ALL	RHET:1030 Rhetoric	4
F/S	Diversity & Inclusion	3
ALL	Be Creative	3
ALL	Approved Gen Ed Course	3
ALL	Approved Gen Ed Course	3
ALL	Approved Gen Ed Course	3
	(b. 0. Desite Caterona Const. /24 als)	. 1.
	th & Basic Science Core (24 sh)	sh
F/S	MATH:1550 Math I: Single Variable Calculus (P: ALEKS score ≥ 75 or MPT Level 3 score ≥ 9)	4
ALL	MATH 1560 Math II: Multivariable Calculus (P: MATH:1550)	4
ALL	MATH:2550 Math III: Matrix Algebra (P: MATH:1550)	2
ALL F/C	MATH:2560 Math IV: Differential Equations (P: MATH:1560 & MATH:2550)	3
F/S	STAT:2020 Probabilty & Statistics For Engr & Phys Sci (P: MATH:1560)	3 4
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
Eng	ineering Core (7 sh)	sh
F	ENGR:1000 Engineering Success for First-Year Students (First semester standing)	1
F	ENGR:1100 Intro to Engineering Problem Solving	3
F/S	ENGR:1300 Intro to Engineering Computing (C: MATH:1550)	3
Civi	Engineering Requirements (45 sh)	sh
ALL	CHEM:1120 Principles of Chemistry II (P: CHEM:1110)	4 01
F/S	PHYS:1612 Introductory Physics II / Lab (P: PHYS:1611; C: MATH:1560)	4 01
ALL	ENGR:2110 Statics (P: MATH:1550; C: MATH:1560 & PHYS:1611)	2
ALL	ENGR:2130 Thermodynamics (P: CHEM:1110 & PHYS:1611; C: MATH:1560)	3
F/S	ENGR:2510 Fluid Mechanics (P: MATH:2560 & ENGR:2710; C: ENGR:2130)	4
ALL*	ENGR:2710 Dynamics (P: ENGR:2110 & MATH:1550)	3
ALL*	ENGR:2750 Mechanics of Deformable Bodies (P: ENGR:2110; C: MATH:2560)	3
ALL	CEE:1030 Intro to Earth Science (no lab required)	3
F	CEE:2015 Civil Engineering Tools	2
S	CEE:3155 Principles of Environmental Engineering (P: CHEM:1110)	4
S	CEE:3371 Principles of Hydraulics and Hydrology (P: ENGR:2510)	3
F	CEE:3530 Geomechanics (P: ENGR:2750)	4
F	CEE:3533 Principles of Structural Engineering (P: ENGR:2750)	4
S	CEE:3586 Civil Engineering Materials (P: ENGR:2750)	3
S	CEE:3763 Principles of Transportation Engineering (C: ENGR:1100)	3
Can	stone Design Courses (3 sh)	sh
•	stolle pesign courses (5 sil)	311
F /C	OFF 40F0 Purity I Purity O Management in OFF (5.6.1)	2
F/S	CEE:4850 Project Design & Management in CEE (P: final semester; C: CEE:3003)	3
	CEE:4850 Project Design & Management in CEE (P: final semester; C: CEE:3003) Professional Skills (4 sh)	3 sh
CEE	Professional Skills (4 sh)	sh

CEE:3003 Project Management Skills (senior standing)

CIVIL FOCUS AREA: Transportation Department of Civil and Environmental Engineering

Red	quired: Transportation (3 sh)	sh
F	CEE:4762 Design of Transportation Systems (P: CEE:3763)	3
Fle	ctives: Transportation (24 sh)	sh
	Design Course*	sh
select	one course from this list	
F	CEE:4157 Environmental Engineering Design (P: CEE:3155)	3
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
Elect	ives: Focus Area, Minor, Certicate, etc.	sh
select	5 courses from the list below	
F	CEE:3142 Quality Control (P: STAT:2020 or BAIS:9100 or (STAT:3100 & STAT:3101 & STAT:3200))	3
S	CEE:3783 Surveying & Remote Sensing (P: ENGR:1100)	3
S	CEE:3790 Resilient Infrastructure and Operations	3
F/S	CEE:3998 Individual Investigation in CEE	3
S	CEE:4160 Introduction to Bridge Engineering (spring semester, even years) (P: CEE:3533)	3
S	CEE:4176 Transportation Demand Analysis	3
F	CEE:4560 Pavement Engineering (fall semester, odd years) (P: CEE:3763)	3
F	CEE:4730 Transportation Infrastructure Construction and Management (fall semester, even years) (P: CEE:3763)	3
F	CEE:4763 Traffic Engineering (P: CEE:3763)	3
	CEE:6763 Application Simulation to Transportation (check MyUI for listings) (P: CEE:3763 or	
Elect	ives: 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 F/S	ISE:2500 Engineering Economy (C: STAT: 2020) ENGR:2120 Electrical Circuits (C: MATH: 2560)	3
F/S	ENGR:2995 Intro to Al & Machine Learning in Engineering (P: ENGR:1300; C: MATH:2550)	3
F/S	ENGR:2730 Computers in Engineering (P: ENGR:1300)	3
.,5	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)	