

Gen	neral Education (19 sh)	sh
ALL	RHET:1030 Rhetoric	4
F/S	Diversity & Inclusion	3
F/S	ARTS:1510 Basic Drawing (satisfies Be Creative course requirement)	3
F/S	ARTS:1520 Design Fundamentals	3
ALL	Approved Gen Ed Course	3
ALL	Approved Gen Ed Course	3
Mat	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	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
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	l Engineering Requirements (45 sh)	sh
ALL	CHEM:1120 Principles of Chemistry II (P: CHEM:1110)	4 (
F/S	PHYS:1612 Introductory Physics II / Lab (P: PHYS:1611; C: MATH:1560)	4
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
Сар	stone Design Courses (3 sh)	sh
F/S	CEE:4850 Project Design & Management in CEE (P: final semester; C: CEE:3003)	3
CEE	Professional Skills (4 sh)	sh
S	CEE:2010 Professional Practice and Ethics	1
F	CEE:3001 Leadership Skills for Engineers (junior standing)	1
S	CEE:3002 Technical Communication in CEE (junior standing)	1
F	CEE:3003 Project Management Skills (senior standing)	1

## **CIVIL FOCUS AREA: Pre-Architecture**

Department of Civil and Environmental Engineering

	uired: Pre-Architecture (6 sh)	S
F F/S	CEE:4506 Design of Concrete Structures (P: CEE:3533)	
г/3	TDSN:2210 Problems in 3-D Design I: Form and Structure (P: ARTS:1510, ARTS:1520)	,
Elec	ctives: Pre-Architecture (21 sh)	sl
CEE [	Design Course*	sl
select	1 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:4762 Design of Transportation Systems (P: CEE:3763)	3
	ives: Focus Area, Minor, Certicate, etc.	sl
select	1 course from the list below	
F/S	ANIM:2125 Introduction to Animation (P: ARTS:1510 & ARTS:1520)	
	DRAW:2310 Life Drawing I (P: ARTS:1510 & ARTS:1520)	
F/S	PHTO:2600 Photography I (P: ARTS:1510 & ARTS:1520)	
F/S	PNTG:2410 Painting I (P: ARTS:1510 & ARTS:1520)	3
F/S	PRNT:2610 Introduction to Printmaking (P: ARTS:1510 & ARTS:1520)	3
	ives: Focus Area, Minor, Certicate, etc.	sl
select	2 courses from the list below	
F/S	TDSN:2240 3D Computer Aided Design (P: CERM:2010 or SCLP:2810 or TDSN:2210 or MTLS:2910)	3
F/S	TDSN:2250 Digital Prototyping (C: ANIM:2125 or CERM:2010 or DSGN:2500 or DRAW:2310 or INTM:2710 or MTLS:2910 or PHTO:2600 or PNTG:2410 or PRNT:2610 or SCLP:2810 or TDSN:2240)	3
	Other courses that satisfy Arts minor requirements (see Minor in Studio Arts page on the School of Art and Art History web site)	
Elect	ives: Focus Area, Minor, Certicate, etc.	sl
	2 courses from the list below	
F	CEE:4164 Design of Wood Structures (P: CEE:3533)	3
S	CEE:4535 Design of Steel Structures (P: CEE:3533)	3
F	CEE:4539 Foundations of Structures (P: CEE:3530)	3
	ives: Focus Area, Minor, Certicate, etc.	sł
select	1 course from the list below	
	Any additional 2000 level or shows elective source(s) in CEE	
	Any additional 3000 level or above elective course(s) in CEE	

Total Semester Hour Requirements: 129

Students in the Focus Area will receive an Art Minor. Students must enroll in the minor through the School of Art and Art History.