

## CIVIL ENGINEERING (CE)

### Program of Study — Catalog Year 2023-2024

	Fall Semester				Spring Semester			
	Terms Offered	Course	Course Title	Hrs.	Terms Offered	Course	Course Title	Hrs.
<b>Freshman</b>	F, Sp, Su	CH 115/R/116	General Chemistry I and Lab	4	F, Sp, Su	PH 221/R/L	General Physics I and Lab	4
	F	EGR 200 <sup>1</sup>	Introduction to Engineering	3	F, Sp, Su	CH 117/R/118	General Chemistry II and Lab	4
	F, Sp, Su	EH 101	English Composition I	3	Sp	EGR 194	Engineering Explorations	1
	F, Sp, Su	MA 125/L	Calculus I/Lab	4	F, Sp	EGR 103	Computer-Aided Graphics & Design	3
					F, Sp, Su	MA 126	Calculus II	4
		<b>Total Credits</b>	<b>14</b>			<b>Total Credits</b>	<b>16</b>	
<b>Sophomore</b>	F, Sp, Su	CE 210	Statics	3	Sp	CE 200	Engineering Geology	2
	F, Sp, Su	PH 222/R/L	General Physics II and Lab	4	F, Sp	CE 220	Mechanics of Solids	3
	F, Sp	EGR 265 <sup>2</sup>	Math Tools for Engineering Problem Solving	4	F, Sp	CE 221	Mechanics of Solids Lab	1
	F, Sp	EGR 150	Computer Methods in Engineering	3	Sp	CE 236/L	Environmental Engineering and Lab	3
	F, Sp, Su	EH 102	English Composition II	3	F, Sp, Su	ME 215/R	Dynamics	3
					F, Sp, Su	Blazer Core <sup>3</sup>	Reasoning	3
		<b>Total Credits</b>	<b>17</b>			<b>Total Credits</b>	<b>15</b>	
<b>Junior</b>	F	CE 230/L	Plane Surveying and Lab	3	F, Sp	CE 222	Civil Engineering Materials Lab	1
	F	CE 332/L	Soils Engineering and Lab	4	Sp	CE 345	Transportation Engineering	3
	F	CE 337/L	Hydraulics and Lab	3	Sp,Su	CE 360	Structural Analysis	3
	F	CE 344	Civil Engineering Analysis I	3	Sp	CE 395	Engineering Economics	3
	F, Sp	ME 251	Introduction to Thermal Sciences	2	Sp	CE 430/L	Water Supply & Drainage Design/Lab	3
	F	CE 371	Engineering Communication	2	F, Sp, Su	Blazer Core <sup>3</sup>	Creative Arts	3
		<b>Total Credits</b>	<b>17</b>			<b>Total Credits</b>	<b>16</b>	
<b>Senior</b>	F	CE 455	Reinforced Concrete Design	3	Sp	CE 426	Foundation Engineering	3
	F	CE 497	Construction Engineering Management	3	Sp	CE 450	Structural Steel Design	3
	F, Sp, Su	CE 4XX <sup>2,4</sup>	Civil Engineering Elective (400 Level)	3	F, Sp	CE 499	Capstone Design Project	3
	F, Sp, Su	CE 4XX <sup>4</sup>	Civil Engineering Elective (400 Level)	3	F, Sp, Su	CE 4XX <sup>4</sup>	Civil Engineering Elective (400 Level)	3
	F, Sp, Su	Blazer Core <sup>3,5</sup>	City as a Classroom	3	F, Sp, Su	Blazer Core <sup>3</sup>	History & Meaning	3
	F, Sp, Su	Blazer Core <sup>3</sup>	Humans & Their Societies	3				
		<b>Total Credits</b>	<b>18</b>			<b>Total Credits</b>	<b>15</b>	

1 EGR 200 preferred; other FYE courses accepted

2 May substitute MA 227 and MA 252 for EGR 265 and one CE elective

3 Please refer to the Blazer Core as specified for engineering majors

4 Any 400 level CE course that is not already a requirement. See advisor for additional options

5 CE 280 preferred, other CAC accepted