

Civil Engineering (CE) Program of Study

		Fall Semester			Spring Semester		
		Course	Course Title	Hrs.	Course	Course Title	Hrs.
Freshman		CH 115/116	General Chemistry I/Lab	4	CH 117/118	General Chemistry II/Lab	4
		MA 125	Calculus I	4	EGR 111	Introduction to Engineering II	1
		EGR 110	Introduction to Engineering I	1	EH 102	English Composition II	3
		EH 101	English Composition I	3	MA 126	Calculus II	4
		ME 102	Engineering Graphics	2	PH 221/L	General Physics I/Lab	4
			Total Credits:	14		Total Credits:	16
Sophomore		CE 210	Statics	3	CE 200	Engineering Geology	2
		PH 222/L	General Physics II and Lab	4	CE 236	Environmental Engineering and Lab	3
		EGR 265	Math Tools for Engineers **	4	ME 215	Dynamics	3
		EGR 150	Computer Methods for EGR	3	ME 251	Introduction to Thermal Sciences	2
		HFA	Area II Core Curriculum ¹	3	HFA	Area II Core Curriculum ¹	3
					SBS	Area IV Core Curriculum ¹	3
			Total Credits:	17		Total Credits:	16
Junior		CE 220	Mechanics of Solids	3	CE 360	Structural Analysis	3
		CE 221	Mechanics of Solids Lab	1	CE 222	Materials Lab	1
		CE 344	Civil Engineering Analysis	3	CE 345	Transportation Engineering	3
		CE 230/L	Plane Surveying and Lab	3	EE 312	Electrical Systems	3
		CE 337	Hydraulics	3	CE 395	Engineering Economics	3
		CE 332/L	Soils Engineering and Lab	4	SBS I	Area IV Core Curriculum ¹	3
			Total Credits:	17		Total Credits:	16
Senior		CE 450	Structural Steel Design	3	CE 455	Reinforced Concrete Design	3
		CE 480	Water & Wastewater Treatment*	3	CE 430	Water Supply and Drainage Design*	---
		CE 497	Construction Engineering Management	3	CE 499/L	Senior Design and FE Review	3
		CE 4XX	Civil Engineering Elective (400 level) ²	3	CE4XX	Civil Engineering Elective (400 level) ²	3
		EH 300	Engineering Communications	2	CE 4XX	Civil Engineering Elective (400 level) ^{2**}	3
		HFA	Area II Core Curriculum ¹	3	SBS	Area IV Core Curriculum ¹	3
			Total Credits:	17		Total Credits:	15

* Students may take either CE 430 or CE 480

** Students may substitute MA 227 and MA 252 for EGR 265 and a 3-hour 400-level CE elective course.

¹ See the Core Curriculum for the School of Engineering.

² Any UAB Civil Engineering course not included as a requirement in the Civil Engineering curriculum may be selected.