

AGU Department of Civil Engineering Undergraduate Program (For students who start their undergraduate education in 2014 and 2015)						
FIRST YEAR (AGU CORE CURRICULUM)	First Semester					
	Code	Course Name	Contact (h/w)	Lab (h/w)	Credit	ECTS
	MATH 101	Calculus I	4	0	4	5
	SCI 101	Science of Nature I	3	2	4	7
	COMP 101	Art of Computing	3	2	4	6
	HUM 101	Understanding Contemporary World	3	0	3	5
	PDA 101	Professional Development Activities I	1	1	0	1
	ENG 101	English I	4	0	4	4
	TURK 101	Turkish I	2	0	2	2
	Second Semester					
	Code	Course Name	Contact (h/w)	Lab (h/w)	Credit	ECTS
	MATH 102	Calculus II	4	0	4	5
	SCI 102	Science of Nature II	3	2	4	7
	CE 102	Exploring Profession	3	2	4	6
	HUM 102	Imagining Future	3	0	3	5
	PDA 102	Professional Development Activities II	1	1	0	1
	ENG 102	English II	4	0	4	4
	TURK 102	Turkish II	2	0	2	2
SECOND YEAR	Third Semester					
	Code	Course Name	Contact (h/w)	Lab (h/w)	Credit	ECTS
	CE 221	Mechanics	2	2	3	5
	MATH 201	Engineering Mathematics I	4	0	4	6
	MATH 203	Linear Algebra	3	0	3	5
	CE 201	Civil Engineering Drawing	1	2	2	4
	CE 262	Geology for Civil Engineering	3	0	3	4
	BA 221	Entrepreneurship and Innovation	4	0	4	4
	HIST 201	History of Modern Turkey I	2	0	2	2
	Fourth Semester					
	Code	Course Name	Contact (h/w)	Lab (h/w)	Credit	ECTS
	MATH 202	Engineering Mathematics II	4	0	4	6
	CE 222	Strength of Materials	3	2	4	6
	CE 242	Materials Science	2	1	3	5
	CE 272	Fluid Mechanics	3	0	3	6
	CE 202	Numerical Methods for Engineers	2	2	3	5
	HIST 202	History of Modern Turkey II	2	0	2	2
THIRD YEAR	Fifth Semester					
	Code	Course Name	Contact (h/w)	Lab (h/w)	Credit	ECTS
	CE 300	Summer Practice	0	0	0	6
	MATH 301	Probability and Statistics	3	0	3	5
	CE 344	Materials of Construction	2	1	3	4
	CE 371	Hydromechanics	3	1	4	5
	CE 363	Soil Mechanics	3	2	4	5
	CE 383	Structural Analysis	4	0	4	5
	Sixth Semester					
	Code	Course Name	Contact (h/w)	Lab (h/w)	Credit	ECTS
	CE 332	Construction Engineering and Management	3	0	3	5
	CE 366	Foundation Engineering	3	1	4	5
	CE 374	Hydrology and Water Resources Engineering	4	0	4	5
	CE 382	Reinforced Concrete	3	0	3	5
	CE 352	Introduction to Transportation and Traffic Engineering	2	1	3	5
	CE 384	Steel Structures	3	0	3	5
FOURTH YEAR	Seventh Semester					
	Code	Course Name	Contact (h/w)	Lab (h/w)	Credit	ECTS
	CE 400	Summer Practice	0	0	0	6
	CE 401	Capstone Design - I	2	2	3	6
	ECON 222	Economics for Engineers	3	0	3	4
		Technical Elective	3	0	3	6
		Technical Elective	3	0	3	6
	OHS 401	Occupational Health and Safety	2	0	2	1
	Eighth Semester					
	Code	Course Name	Contact (h/w)	Lab (h/w)	Credit	ECTS
	CE 402	Capstone Design - II	2	2	3	6
		Technical Elective	3	0	3	6
		Technical Elective	3	0	3	6
		Technical Elective	3	0	3	6
		Technical Elective	3	0	3	6
	OHS 402	Occupational Health and Safety	2	0	2	1