111 Four-year Curriculum for Engineering Practice

Obligatory General Educ 1st Semester course cree	ıcatio	n Courses (28 credits) including	Fundan			omore			.1111	nior		l	Ser	nor	L.
1st Semester course cree			r unuan		Freshman Sopho Obligatory General Education Courses (28 credits) including Fundamental Courses (6 credits) and General Co							Senior			
	114				1st Semester			1st Semester		2nd Semester		1st Semester		2nd Semester	
English (I) 2	ean	course	credit	course	credit	course	credit	course	credit	course	credit	course	credit	course	credit
	2 I	English (II)	2	English (III)	1	English (IV)	1	General Studies	4	General Studies	2				
Physical Education (I) 0	0 1	Physical Education (II)	0	General Studies	4	General Studies	4								
General Studies 4	4 (General Studies	4												
n i n i (1)	. 1					College Obli	gatory	Courses (10 credits)	1				1		$\overline{}$
5	-	APP Design and Application	2						-						-
Computer Graphics (I) 2	2 (Computer Graphics (II)	2												
a								oligatory Courses (22 credits)	1				1		$\overline{}$
``	-	Calculus (II)	2	Engineering Mathematics (1)	2	Engineering Mathematics (II)	2								
Civil Engineering History 2	2 I	Engineering Mechanics	3	Strength of Materials	3	Theory of Structures	3								
Engineering Materials Test 1	1														
Technological Physics 2	2														
						Civil Engineering	Oblig	atory Courses (23 credits)							
Construction materials 2	2	Surveying	2	Engineering Geology	2	Soil Mechanics	3	Reinforced Concrete	3	Construction Methods	2	Special Topics I	1	Special Topics II	1
		Surveying Practice	1			Fluid Mechanics	3	Foundation Engineering	3						
7						Required for Engine	eering	Majors Coueses (25 credits)		1					
Introduction to Building Information Modeling (1)	2	Introduction to Building Information Modeling (11)	2	Multifunction Stracture Laborator	1	Soil Mechanics Laboratory	1	Technology for Disaster Mitigation	2	Working Drawing	2				
				Hydrology	3	Planning and Design of Soil and Water Conservation	3								
				Non-destructive Inspection for Civil Technology	3	Supervisor in Construction Practices	2								
				Quality Control of Civil	2	Construction management	2								
				Engineering		Civil Engineerin	ng Elec	tive Courses (11 credits)	ļ.				ļ.		
Geotech and Perpetuity		Introduction to Sustainable Engineering	2	Management and Engineering Practice		Engineering Surveying	2			Software Application and Design	2	Building Seismic Design (2)	2		
		Green Construction Materials	2			Engineering Surveying Practice	1			Introduction to Creative Thinking	2				
		Engineering English	2			Construction Regulations	2			Structural system	2				
		Engineering Ethics	2			Occupational Safety and Health Regulations	2			Steel structure design	2				
		Sewer Engineering	2			Value Engineering	2				2				
		Soil and Water Conservation	2			Engineering Valuation	2				2				
		Engineering Slope Engineering	2			Construction Machinery	2	Structure and Technology		practice Structural program analysis	2				
		Rock Mechanics and Engineering	2			Construction Safety	2			Application and practice of non-destructive	3				
		Bridge and Tunnel Engineering	2			Introduction to Project	2			testing technology for foundation piles Architecture Application of	2				
		Water Resources Engineering	2		Management Engineering Contract and Dispute	2	Information Modeling in Engineering Structural Matrix Analysis			2					
		Felemetry and UAV Applications	3		Mediation Health Inspection of Engineering	2	Structural Dynamics			2					
					Structure Safety		-			2					
	-	Green Energy Technology	2							Structural Design Optimization Basic Principles and Applications	3				
		Environmental Science	2			Fareion Departm	nent Fl	ecuive Courses (9 credits)		of Steel Structures	3				
						Employment Internship(9) · Enterp			t Courses	3					$\overline{}$