

Undergraduate Course Placement : Plan 1 (Civil Engineering)

Year	First Trimester	Cr	Second Trimester	Cr	Third Trimester	Cr
FRESHMAN	SCI02 1111 Fundamental Chemistry I	4	SCI03 1002 Calculus II	4	SCI03 1003 Probability and Statistics	3
	SCI02 1112 Fundamental Chemistry Laboratory I	1	SCI05 1001 Physics I	4	SCI03 1005 Calculus III	4
	SCI03 1001 Calculus I	4	SCI05 1191 Physics Laboratory I	1	SCI05 1002 Physics II	4
	IST20 1001 Digital Literacy	2	IST20 1003 Life Skills	3	SCI05 1192 Physics Laboratory II	1
	IST20 1002 Use of Application Programs for Learning	1	IST30 1102 English for Communication II	3	IST20 1004 Citizenship and Global Citizens	3
	IST30 1101 English for Communication I	3	ENG23 1001 Computer Programming I	2	ENG31 1002 Engineering Materials I	2
	ENG85 1010 Engineering Graphics I	2			ENG35 1010 Engineering Workshop Skills	1
	Total	17	Total	17	Total	18
SOPHOMORE	IST20 2001 Man, Society and Environment	3	IST30 1104 English for Specific Purposes	3	IST20 2002 Man, Economy and Devel.	3
	IST30 1103 English for Academic Purposes	3	ENG82 2003 Civil Engineering Graphic	2	IST30 1105 English for Careers	3
	ENG85 2080 Engineering Graphics II	2	ENG82 2002 Mechanics of Materials I	4	ENG82 2012 Material Testing	2
	ENG82 2000 Civil Engineering Profession	1	ENG82 2031 Hydraulics	4	ENG82 2033 Hydrology	3
	ENG82 2001 Engineering Statics	4	ENG82 2032 Hydraulics Lab.	1	ENG82 2053 Surveying Camp	1
	ENG82 2051 Surveying	4	ENG82 2004 Differential Equations for Civil Engineer	4	ENG82 3012 Concrete Technology	3
	ENG82 2052 Surveying Lab.	1	General Education Elective (1)	2	ENG82 3013 Concrete Technology Lab	1
	ENG83 1001 Engineering Materials II	2			ENG82 3014 Theory of Structures	4
	Total	20	Total	20	Total	20
JUNIOR	ENG82 3015 Structural Analysis	4	ENG82 3016 Reinforced Concrete Design I	4	ENG82 4096 Cooperative Education I	8
	ENG82 3018 Timber and Steel Design	5	ENG82 3051 Transportation Engineering	4		
	ENG82 3021 Soil Mechanics	4	ENG82 3052 Highway Material Testing	1		
	ENG82 3022 Soil Mechanics Lab.	1	ENG34 2001 General Geology	4		
	ENG82 3031 Hydraulic Engineering	4	ENG82 4095 Pre-cooperative Education	1		
	General Education Elective (2)	2	General Education Elective (3)	2		
		Technical Elective (1)	4			
	Total	20	Total	20	Total	8
SENIOR	ENG82 3017 Reinforced Concrete Design II	4	Technical Elective (2)	4	Technical Elective (3)	4
	ENG82 3024 Foundation Engineering	4	Free Elective (1)	4	Free Elective (2)	4
	ENG82 4042 Construction Engineering and Management	4				
	ENG82 4063 Capstone Design Projects	4				
	General Education Elective (4)	2				
	Total	18	Total	8	Total	8

Grand Total 194 Credits

Undergraduate Course Placement : Plan 2 (Civil Engineering and Entrepreneurship)

Year	First Trimester	Cr	Second Trimester	Cr	Third Trimester	Cr
FRESHMAN	SCI02 1111 Fundamental Chemistry I	4	SCI03 1002 Calculus II	4	SCI03 1003 Probability and Statistics	3
	SCI02 1112 Fundamental Chemistry Laboratory I	1	SCI05 1001 Physics I	4	SCI03 1005 Calculus III	4
	SCI03 1001 Calculus I	4	SCI05 1191 Physics Laboratory I	1	SCI05 1002 Physics II	4
	IST20 1001 Digital Literacy	2	IST20 1003 Life Skills	3	SCI05 1192 Physics Laboratory II	1
	IST20 1002 Use of Application Programs for Learning	1	IST30 1102 English for Communication II	3	IST20 1004 Citizenship and Global Citizens	3
	IST30 1101 English for Communication I	3	ENG23 1001 Computer Programming I	2	ENG31 1002 Engineering Materials I	2
	ENG85 1010 Engineering Graphics I	2			ENG35 1010 Engineering Workshop Skills	1
	Total	17	Total	17	Total	18
SOPHOMORE	IST20 2001 Man, Society and Environment	3	IST30 1104 English for Specific Purposes	3	IST20 2002 Man, Economy and Devel.	3
	IST30 1103 English for Academic Purposes	3	ENG82 2003 Civil Engineering Graphic	2	IST30 1105 English for Careers	3
	ENG85 2080 Engineering Graphics II	2	ENG82 2002 Mechanics of Materials I	4	ENG82 2012 Material Testing	2
	ENG82 2000 Civil Engineering Profession	1	ENG82 2031 Hydraulics	4	ENG82 2033 Hydrology	3
	ENG82 2001 Engineering Statics	4	ENG82 2032 Hydraulics Lab.	1	ENG82 2053 Surveying Camp	1
	ENG82 2051 Surveying	4	ENG82 2004 Differential Equations for Civil Engineers	4	ENG82 3012 Concrete Technology	3
	ENG82 2052 Surveying Lab.	1	General Education Elective (1)	2	ENG82 3013 Concrete Technology Lab	1
ENG83 1001 Engineering Materials II	2			ENG82 3014 Theory of Structures	4	
	Total	20	Total	20	Total	20
JUNIOR	ENG82 3015 Structural Analysis	4	ENG82 3016 Reinforced Concrete Design I	4	ENG82 4063 Capstone Design Projects	4
	ENG82 3018 Timber and Steel Design	5	ENG82 3051 Transportation Engineering	4	IST50 2403 Business Plan and Financing	3
	ENG82 3021 Soil Mechanics	4	ENG82 3052 Highway Material Testing	1	General Education Elective (3)	2
	ENG82 3022 Soil Mechanics Lab.	1	ENG34 2001 General Geology	4	General Education Elective (4)	2
	ENG82 3031 Hydraulic Engineering	4	IST50 2402 Go-to-Market Strategies for Innovative Product and Service	2	Entrepreneurship Elective (1)	2
	IST50 2401 Entrepreneurship and New Venture Creation	3	General Education Elective (2)	2		
			Technical Elective (1)	4		
	Total	21	Total	21	Total	13
SENIOR	ENG82 3017 Reinforced Concrete Design II	4	IST50 4413 Enterprise Cooperative Education or	8	Technical Elective (3)	4
	ENG82 3024 Foundation Engineering	4	IST50 4414 Enterprise Incubation		Free Elective (1)	4
	ENG82 4042 Construction Engineering and Management	4			Free Elective (2)	4
	Technical Elective (2)	4				
	IST50 3412 Pre-Enterprise Cooperative Education or Pre-Enterprise Incubation	1				
Entrepreneurship Elective (2)	2					
	Total	19	Total	8	Total	12

Grand Total 206 Credits