

The College Requirements

Subject Field	Semester	Course Code	Course Title	Cr. Hr.	Prerequisite
Core Courses: A total of 60 Cr. Hr. of the following list					
BA	1	BA 113	Physics I	3	None
	2	BA 114	Physics II	3	BA 113
	2	BA 118	Chemistry	2	None
	1	BA 123	Mathematics I	3	None
	2	BA 124	Mathematics II	3	BA 123
	1	BA 141	Engineering Mechanics I	3	None
	2	BA 142	Engineering Mechanics II	3	BA 141
	3	BA 223	Mathematics III	3	BA 124
	4	BA 224	Mathematics IV	3	BA 223
	5	BA 329	Probability and Statistics	3	BA 224
CC	1	CC 111	Introduction to Computers	3	None
	2	CC 114	Introduction to Programming	3	CC 111
	7	CC 413	Numerical Analysis	3	CC114
EE	3	EE 238	Electrical Engineering Fundamentals	3	BA 124
	4	EE 218	Instrumentation and Measurements	3	EE 238
IM	1	IM 111	Industrial Relations	2	None
	2	IM 112	Manufacturing Technology	2	None
	8	IM 400	Practical Training	0	None
LH	1	LH 130	English for Special Purposes 0	0	None
	2	LH 131	English for Special Purposes I	2	None
	3	LH 132	English for Special Purposes II	2	LH 131
	4	LH 231	Technical Report Writing	3	LH 132
ME	1	ME 151	Engineering Drawing and Projection	2	None
NE	7	NE 466	Environmental Science and Technology	3	None
Elective Courses: At least 3 Cr. Hr. from the following list					
IM	7	IM 531	Human Resource Management	3	None
	4	IM 535	Management of International Business	3	None
NE	4	NE 264	Scientific Thinking	3	None
	4	NE 266	Creativity and Innovation	3	None
	7	NE 465	Aesthetic Education and Art Appreciation	3	None

The CB Department Requirements

Subject Field	Semester	Course Code	Course Title	Cr. Hr.	Prerequisite
Core Courses: A total of 111 Cr. Hr. of the following list					
AR	7	AR 411	Architectural Design and Urban Landscape	3	CB 221
	6	CB 311	Introduction to Construction Management	3	BA224
	6	CB 312	System Analysis in Construction	3	BA 329
	6	CB 313	Quality Control in Construction	3	BA 329
	8	CB 415	Quantity Surveying, Cost Estimating and Specifications	3	CB 354 and CB322
	9	CB 514	Construction Contracts and Law	3	CB 311 and CB415
	9	CB 516	Construction Project Management I	3	CB 311 and CB322
	10	CB 519	Construction Project Management II	3	CB 516 and CB415
	3	CB 221	Construction Engineering Drawing	3	ME 151
	6	CB 322	Building Construction	3	CB 221
	9	CB 523	Methods and Equipment for Construction I	3	CB 322
	10	CB 524	Methods and Equipment for Construction II	3	CB 523
	8	CB 431	Technical Installations in Buildings	3	CB 322
	9	CB 532	Environmental and Sanitary Engineering	3	CB 382
	10	CB 533	Environmental Control and Energy in Buildings	3	CB 431
	3	CB 241	Structural Analysis I	3	BA 141
	4	CB 242	Strength of Materials	3	CB 241 and CB 251
	5	CB 343	Structural Analysis II	3	CB 242
	8	CB 444	Design of Metallic Structures	3	CB 343
	3	CB 251	Testing of Materials	3	None
	5	CB 352	Construction Materials	3	CB 251
	6	CB 354	Design of Reinforced Concrete Structures I	3	CB 343
	7	CB 455	Design of Reinforced Concrete Structures II	3	CB 354
	5	CB 361	Engineering Geology	3	None
	6	CB 362	Soil Mechanics	3	CB 361
	8	CB 463	Design and Construction of Earth Structures and Foundations	3	CB 354 and CB 362
	4	CB 271	Construction Surveying I	3	BA 124
	7	CB 472	Transportation and Traffic Engineering	3	CB 271
	8	CB 474	Highway Design and Construction	3	CB 472
	4	CB 281	Hydraulics for Civil Engineering	3	BA 114
	5	CB 382	Water Resources Engineering	3	CB 281
	7	CB 483	Irrigation and Drainage	3	CB 382
8	CB 485	Design and Construction of Coastal Structures	3	CB 281	
9	CB 501	Senior Project I	3	132 Cr Hr	
10	CB 503	Senior Project II	6	CB 501	
ME	5	ME 255	Computer Aided Drafting	3	CB 221

Restricted Electives Courses: At least two courses (6 Cr. Hr.) from the following list					
Group X	9 – 10	CB 556	Concrete Technology	3	CB 352
	9 – 10	CB 564	Special Topics in Geotechnical Engineering	3	CB 463
	9 – 10	CB 545	Structural Dynamics	3	CB 343
	9 – 10	CB 573	Construction Surveying II	3	CB 271
	9 – 10	CB 584	Special Topics in Hydraulic and Coastal Structures	3	CB 483
	9 – 10	CB 525	Special Topics in Construction Engineering	3	CB 523
	9 – 10	CB 546	Special Topics in Steel and Composite Structures	3	CB 444
	9 – 10	CB 576	Special Topics in Railway Engineering	3	CB 472
	9 – 10	CB 575	Special Topics in Transportation Engineering	3	CB 474
	9 – 10	CB 534	Special Topics in Environmental Engineering	3	CB 532
	9 – 10	CB 518	Financial Management and Accounting in Construction	3	CB 516
	9 – 10	CB 557	Inspection, Maintenance and Repair of Structures	3	CB 444 or CB 455
9 – 10	CB 558	Special Topics in Reinforced Concrete Structures	3	CB 455	