

Degree and Study Plan

College	Engineering
Department	Civil and Construction Engineering
Program	Construction Management
Degree Level	Bachelor of Engineering
Total Credit Hours	136
Cohort	2018 and above

Summary of Credits	
University Requirements (UR)	12
College Requirements (CR)	28
Program Requirements (PR)	84
Program Electives (PE)	12
Total	136

For more information contact: Dr. Motasem Al-Azaiza

HoD: 

Dean: 

Date: 30/09/2024

Year One	Semester 1 (Fall)				
	Course Code	Course Title	Credits	Pre-Request/ Co-Request*	Category
	ISLM101	Islamic Civilization	3		UR
	ENGL101	English Communication Skills 1	3		UR
	MATH2001	Mathematics	4		CR
	PHYS1001	Physics I	4		CR
	Total Credits		14		
	Semester 2 (Spring)				
	Course Code	Course Title	Credits	Pre-Request/ Co-Request*	Category
	CVEN2003	Engineering Geology	4		CR
	ENGL102	English Communication Skills 2	3	ENGL101	UR
	ENGR2002	Engineering Drawing	4		CR
	ENGR1001	Mechanics of Materials	4	PHYS1001	CR
	Total Credits		15		

Year Two	Semester 3 (Fall)				
	Course Code	Course Title	Credits	Pre-Request/ Co-Request*	Category
	CNMN3002	Construction Safety	4	ENGL101	PR
	CVEN2002	Civil Engineering Materials	4		PR
	PHIL2001	Professional Ethics	4		CR
	ENGR2003	Technical Writing and Presentation	4	ENGL102	CR
	Total Credits		16		
	Semester 4 (Spring)				
	Course Code	Course Title	Credits	Pre-Request/ Co-Request*	Category
	CNMN3005	Contract Administration	4	CVEN2002	PR
	CVEN2001	Construction Surveying	4	CVEN2002	PR
	ENGR2001	Engineering Mechanics	4	CVEN2002	PR
	CNMN3001	Construction Methodology	4	CVEN2002	PR
	Total Credits		16		

Year Three	Semester 5 (Fall)				
	Course Code	Course Title	Credits	Pre-Request/ Co-Request*	Category
	CVEN4004	Hydraulics and Hydrology	4	MATH2001	PR
	CNMN3003	Construction Equipment	4	MATH2001	PR
	CVEN3001	Structural Analysis and Design	4	MATH2001	PR
	MNGT 313	Entrepreneurship	3	60CH	UR
	Total Credits		15		
	Semester 6 (Spring)				
	Course Code	Course Title	Credits	Pre-Request/ Co-Request*	Category
	ENGR4002	Engineering Project Management	4	CNMN3003	PR
	CVEN3003	Transportation Engineering	4	CVEN2001	PR
	CVEN3002	Soil Mechanics	4	ENGR2001	PR
	CNMN3004	Construction Law	4	CNMN3005	PR
	Total Credits		16		

Year Four	Semester 7 (Fall)				
	Course Code	Course Title	Credits	Pre-Request/ Co-Request*	Category
	CNMN4004	Construction Accounting and Finance	4	MATH2001	PR
	CNMN3006	Cost Estimation and Tendering	4	CNMN3003	PR
		Construction Management Elective 01	4		PR
	ENGR4001	Engineering Economics	4	MATH2001, CNMN3005	CR
	Total Credits		16		
	Semester 8 (Spring)				
	Course Code	Course Title	Credits	Pre-Request/ Co-Request*	Category
	CNMN4001	Research Project I**	4		PR
	CNMN4003	Mechanical and Electrical Systems	4	CNMN3003	PR
	CNMN4007	Sustainable Construction	4	CVEN2002	PR
		Construction Management Elective 02	4		PR
	Total Credits		16		

Year Five	Semester 9 (Fall)				
	Course Code	Course Title	Credits	Pre-Request/ Co-Request*	Category
	CNMN4001	Research Project II	4	90 CH	PR
	ENEN4001	Renewable Energy	4	PHYS1001	PR
	CNMN4005	Building Information Modelling	4	CNMN3003	PR
		Construction Management Elective 03	4		PR
	Total Credits		12		

List of Program Elective Courses:

A student must register in 3 courses with total of 12 credits hours following the program study plan:			
Course Code	Course Title	Credits	Pre-Request/ Co-Request*
CVEN4007	Environmental Engineering	4	
CVEN4005	Ground Improvement	4	CVEN3002
CNMN4006	GIS Application in Civil Engineering	4	CVEN2001
CVEN4006	Design and Rehabilitation of Pavements	4	CVEN3003
ENEN4002	Solid Waste Management	4	
ENEN4041	Air Pollution	4	
ENEN5072	Environmental Impact Assessment	4	
OJTR406	Industrial Internship	0	90 Credit Hours
OJTR407	Industrial Internship	0	OJTR406