

## CONSTRUCTION ENGINEERING MANAGEMENT STUDY PLAN

YEAR 1		SEMESTER 1		SEMESTER 2	
COURSE #	TITLE	CRS	COURSE #	TITLE	CRS
CS 101	COMPUTER PROGRAMMING I	4	EM 101	ENGINEERING DRAWING	2
MATH 111	CALCULUS I	3	CHM 101	GENERAL CHEMISTRY	4
PHY 105	PHYSICS I	4	PHY 205	PHYSICS II	4
ENG 101	INTENSIVE ENGLISH WRITING	3	MATH 113	CALCULUS II	3
ISC 101	ISLAMIC ETHICS	2	COM 201	COMMUNICATIONS SKILLS	3
ARAB 101	ARABIC WRITING I	2	ISC 103	ISLAMIC ECONOMIC SYSTEM	2
TOTAL		18	TOTAL		18

YEAR 2		SEMESTER 1		SEMESTER 2	
COURSE #	TITLE	CRS	COURSE #	TITLE	CRS
EM 203	STATICS	3	EM 204	STRENGTH OF MATERIALS	3
EM 205	THERMODYNAMICS	3	EM 208	FLUID MECHANICS	3
EM 206	MATERIALS SCIENCE	3	MATH 225	DIFFERENTIAL EQUATIONS	3
CME 112	ELECTRIC CIRCUITS AND ELECTRONICS	4	STAT 272	APPLIED STATISTICS FOR ENGINEERS	3
STAT 101	INTRODUCTION TO PROBABILITY AND STATS THEORY	3	ISC 105	HOLY QURAN SCIENCES	2
ENG 301	ENGLISH TECHNICAL WRITING	3	ISC 203	NEW FINANCIAL TRANSACTIONS	2
			ARAB 103	ARAB WRITING II	2
TOTAL		19	TOTAL		18

YEAR 3		SEMESTER 1		SEMESTER 2	
COURSE #	TITLE	CRS	COURSE #	TITLE	CRS
EM 301	SURVEYING	3	EM 304	REINFORCED CONCRETE	3
EM 303	STRUCTURES	3	EM 306	SOIL MECHANICS AND FOUNDATION	3
EM 315	MANAGEMENT OF ORGANIZATIONS AND HR	3	EM 317	PRINCIPLES OF ACCOUNTING AND FINANCE	3
EM 327	ENGINEERING ECONOMY	3	EM 384	CONTRACTS, SPECS AND QUANTITY SURVEYING	3
EM 381	CONSTRUCTION MATERIALS	3	ETHC 305	ETHICAL AND SOCIAL ASPECTS OF ENGINEERING	2
EM 383	BUILDING CONSTRUCTION	3	PSY 101	INTRODUCTION TO PSYCHOLOGY	3
			ARAB 203	ARABIC WRITING III	2
TOTAL		18	TOTAL		19

YEAR 4		SEMESTER 1		CO-OP OPTION		SEMESTER 2	
COURSE #	TITLE	CRS	COURSE #	TITLE	CRS	COURSE #	TITLE
EM 492	CO-OP IN ENGINEERING MANAGEMENT	10	EM 347	QUALITY MANAGEMENT	3		
	(CONTINUATION FROM SUMMER BEFORE)		EM 482	CONSTRUCTION EQUIPMENT AND METHODS			
			EM 486	COST MANAGEMENT			
			EM 488	PROJECT PLANNING, SCHEDULING AND CONTROL			
			EM 4XX	Program ELECTIVE I			
			EM 4xx	Program ELECTIVE II			
TOTAL		10	TOTAL		18		

**CONSTRUCTION ENGINEERING MANAGEMENT INTERNSHIP OPTION 3<sup>RD</sup> SUMMER -  
4<sup>th</sup> YEAR**

YEAR 3		SEMESTER 3 [SUMMER]	INTERNSHIP OPTION
COURSE #	TITLE	CRS	
EM 490	EM INTERNSHIP	3	
TOTAL			3

YEAR 4		SEMESTER 1	INTERNSHIP OPTION	SEMESTER 2	
COURSE #	TITLE	CRS	COURSE #	TITLE	CRS
EM 347	QUALITY MANAGEMENT	3	EM 486	COST MANAGEMENT	3
EM 482	CONSTRUCTION EQUIPMENT AND METHODS	3	EM 488	PROJECT PLANNING, SCHEDULING AND CONTROL	3
EM 498	SENIOR PROJECT	1	EM 499	SENIOR PROJECT II	3
EM 4XX	Program ELECTIVE I	3	EM 4XX	Program ELECTIVE III	3
EM 4XX	Program ELECTIVE II	3			
TOTAL		13	TOTAL		12

