

## PRODUCTION & MANUFACTURING 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 315	MANAGEMENT OF ORGANIZATIONS AND HR	3	EM 326	PROJECT MANAGEMENT	3
EM 317	PRINCIPLES OF ACCOUNTING AND FINANCE	3	EM 346	LOGISTICS MANAGEMENT	3
EM 327	ENGINEERING ECONOMY	3	EM 347	QUALITY MANAGEMENT	3
EM 335	OPERATIONS RESEARCH	3	EM 348	FACILITIES MANAGEMENT	3
EM 345	PRODUCTION PLANNING AND CONTROL	3	BUS 373	MANAGEMENT INFORMATION SYSTEMS	3
PSY 101	INTRODUCTION TO PSYCHOLOGY	3	ETHC 305	ETHICAL AND SOCIAL ASPECTS OF ENGINEERING	2
			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
EM492	CO-OP IN ENGINEERING MANAGEMENT	10	EM 408	GENERAL ENGINEERING DESIGN	3
	(CONTINUATION FROM SUMMER BEFORE)		EM 438	MODELING AND SIMULATION	3
			EM 458	PRODUCT DESIGN AND DEVELOPMENT	3
			EM 459	MANUFACTURING PROCESSES	3
			EM 4xx	Program ELECTIVE I	3

			EM 4xx	Program ELECTIVE II	3
TOTAL		10	TOTAL		18

**PRODUCTION & MANUFACTURING 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 408	GENERAL ENGINEERING DESIGN	3	EM 459	MANUFACTURING PROCESSES	3	
EM 438	MODELING AND SIMULATION	3	EM 499	SENIOR PROJECT II	3	
EM 458	PRODUCT DESIGN AND DEVELOPMENT	3	EM 4XX	Program ELECTIVE II	3	
EM 498	SENIOR PROJECT I	1	EM 4XX	Program ELECTIVE III	3	
EM 4XX	Program ELECTIVE I	3				
TOTAL			13	TOTAL		12

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