

The Production and Manufacture Engineering Management undergraduate program has three components:

- University Requirements 23 Credits
- College Requirements 29 Credits
- Program Requirements 80 Credits
- Electives 6 Credits

Total 138 Credits

COLLEGE REQUIREMENTS

COURSE #	TITLE	CRS
CS 101	COMPUTER PROGRAMMING I	4
STAT 101	INTRO TO PROBABILITY AND STATISTICS THEORY	3
MATH 111	CALCULUS I	3
MATH 113	CALCULUS II	3
MATH 225	DIFFERENTIAL EQUATIONS	3
PHY 105	PHYSICS I	4
PHY 205	PHYSICS II	4
ENG 301	ENGLISH TECHNICAL WRITING	3
ETHC 305	ETHICAL AND SOCIAL ASPECTS OF ENGINEERING	2
TOTAL		29

ENGINEERING MANAGEMENT CORE AND PRODUCTION REQUIREMENTS

DEPARTMENT OF ENGINEERING MANAGEMENT – PRODUCTION & MANUFACTURING ENGINEERING MANAGEMENT PROGRAM REQUIREMENTS

86 CREDITS: EM CORE 50 PRODUCTION Program 30 PRODUCTION ELECTIVES 6					
ENGINEERING MANAGEMENT [EM] CORE COURSES			PRODUCTION PROGRAM REQUIREMENTS		
COURSE #	TITLE	CRS	COURSE #	TITLE	CRS
EM 101	ENGINEERING DRAWING	2	Production PROGRAM		
EM 203	STATICS	3	EM 326	PROJECT MANAGEMENT	3
EM 204	STRENGTH OF MATERIALS	3	EM 335	OPERATIONS RESEARCH	3
EM 205	THERMODYNAMICS	3	EM 345	PRODUCTION PLANNING AND CONTROL	3
EM 206	MATERIALS SCIENCE	3	EM 346	LOGISTICS MANAGEMENT	3
EM 208	FLUID MECHANICS	3	EM 348	FACILITIES MANAGEMENT	3
EM 315	MANAGEMENT OF ORGANIZATIONS AND HR	3	EM 408	GENERAL ENGINEERING DESIGN	3
EM 317	PRINCIPLES OF ACCOUNTING AND FINANCE	3	EM 438	MODELING AND SIMULATION	3
EM 327	ENGINEERING ECONOMY	3	EM 458	PRODUCT DESIGN AND DEVELOPMENT	3
EM 347	QUALITY MANAGEMENT	3	EM 459	MANUFACTURING PROCESSES	3
EM 492	CO-OP IN ENGINEERING MANAGEMENT	10	BUS 373	MANAGEMENT INFORMATION SYSTEMS	3
CHM 101	GENERAL CHEMISTRY	4	SUBTOTAL		30

CME 112	ELECTRIC CIRCUITS AND ELECTRONICS	4	PRODUCTION ELECTIVES — choose 2		
STAT 272	APPLIED STATISTICS FOR ENGINEERS	3	EM 428	SPECIAL TOPICS IN ENGINEERING MANAGEMENT	3
			EM 448	INVENTORY PLANNING AND CONTROL	3
			EM 468	INDUSTRY SAFETY	3
			EM 469	HUMAN FACTORS AND WORK METHODS	3
			EM 471	TECHNOLOGY AND INNOVATION MANAGEMENT	3
			EM 472	KNOWLEDGE MANAGEMENT	3
			EM 473	ENERGY RESOURCES MANAGEMENT	3
			EM 474	ENVIRONMENTAL MANAGEMENT	3
			SUBTOTAL		
SUBTOTAL		50	TOTAL		86

