BACHELOR OF SCIENCE IN ENGINEERING MANAGEMENT **Catalogue**
CONCENTRATION: MECHANICAL ENGINEERING **2016-2017**

Student: **Date:**
ID #: **Advisor:**

Year 1

Semester 1	Cr	Status	Semester 2	Cr	Status
ENGR 002 - Graphical Communication	2		PHYS 031 - Physics for Engineers I[1]	4	
CHEM 031 - General Chemistry I[1]	4		PHYS 030 - Prob Solv Session I [opt]	[1]	
Foundational Writing and Info Literacy[2]	3		CS 020 - Programming for Engineers[1]	3	
MATH 021 - Calculus I[1]	4		MATH 022 - Calculus II[1]	4	
EC 011 - Macroeconomics	3		ME 001 - First Year Design Experience	2	
ENGR 050 - First Year Engineering Seminar [opt]	[1]		EC 012 - Microeconomics	3	
Total credits	*16-17*		*Total credits*	*16-17*	

1. Students must complete the Pre-Engineering Technical (PET) courses with C- or higher by the end of the first year of study. Students not completing the PET Requirement during their first year, will be put on NOTICE and must successfully complete the courses by the end of the fall term of their Sophomore year in order to take additional engineering courses. Student must have a cumulative GPA of at least 2.3 before taking sophomore level engineering courses.

Year 2

Semester 1	Cr	Status	Semester 2	Cr	Status
CE 001 - Statics	3		ME 012 - Dynamics	3	
MATH 121 - Calculus III	4		BSAD 061 - Managerial Accounting	3	
PHYS 125 - Physics for Engineers II	3		MATH 271 - Appl. Math for Engr. & Sci.	3	
PHYS 123 - Prob. Solv. Session II [opt]	[1]		ME 040 - Thermodynamics	3	
BSAD 060 - Financial Accounting	3		ME 014 - Mechanics of Solids	3	
ME 081 - Mechanical Engineering Lab I	1		ME 083 - Computational Mech. Engr. Lab	1	
Total credits	*14/15*		*Total credits*	*16*	

Year 3

Semester 1	Cr	Status	Semester 2	Cr	Status
ME 111 - System Dynamics	3		BSAD 141 - Mgmt. Information Systems	3	
MATH 124 - Linear Algebra or MATH 122 - Applied Linear Algebra	3		BSAD 173 - Prod. & Operations Analysis	3	
EE 100 - Electrical Engr. Concepts I	4		BSAD 180 - Managerial Finance	3	
General Education Elective	3		ME 161 - Manugacturing Engineering I	3	
STAT 143 - Statistics for Engineers or STAT 211 - Statistical Methods	3		General Education Elective[3]	3	
Total credits	*16*		*Total credits*	*15*	

Year 4

Semester 1	Cr	Status	Semester 2	Cr	Status
BSAD 120 - Mgmt. & Org. Behavior	3		BSAD 270 - Quantitative Analysis	3	
STAT 224 - Statistics for Quality & Prod.	3		ME 171 - Design of Elements	3	
ME 101 - Materials Engineering	3		ME 186 - Capstone Design II	3	
ME 185 - Capstone Design I	3		Engineering Management Elective[5]	3	
General Education Elective[3]	3		ME Concentration Elective[4]	3	
Total credits	*15*		*Total credits*	*15*	

2. Foundational Writing and Information Literacy: Students must take either ENGS 001 or HCOL 085 (only if the student is enrolled in the Honors College). Students transferring from the College of Arts and Sciences can use a TAP class to fulfill this requirement.

3. General Education: Nine credits of approved Gen Ed Electives, including the University diversity requirement (three credits of D1 and three credits of D1 or D2).

4. ME Concentration Electives: All 200-level or higher ME courses.

5. Engineering Management Electives: BSAD 138, BSAD 143, BSAD 144, BSAD 145, BSAD 192, BSAD 268; and STAT 221, STAT 223, STAT 225, STAT 229, STAT 231, STAT 233, STAT 237, STAT 253; EMGT 175. (Additional course options with advisor approval).