BACHELOR OF SCIENCE IN ENGINEERING MANAGEMENT　　　　　Catalogue
CONCENTRATION: ELECTRICAL 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		EE 001 - Principles and Design	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
EE 003 - Linear Circuit Analysis I	3		EE 004 - Linear Circuit Analysis II	3	
MATH 121 - Calculus III	4		EE 082 - Linear Circuits Lab II	2	
BSAD 060 - Financial Accounting	3		BSAD 061 - Managerial Accounting	3	
EE 081 - Linear Circuits Lab I	2		MATH 271 - Appl. Math. for Engr. & Sci.	3	
CS 031 - C Programming	1		MATH 122 - Applied Linear Algebra	3	
PHYS 125 - Physics for Engineers II	3				
PHYS 123 - Phys. Prob. Solving II [opt]	[1]				
Total credits	*16-17*		*Total credits*	*14*	

Year 3

Semester 1	Cr	Status	Semester 2	Cr	Status
EE 120 - Electronics I	4		EE 121 - Electronics II	4	
EE 131 - Digital Design	3		EE 134 - Microcontroller Systems	4	
BSAD 141 - Mgmt. Information Systems	3		BSAD 173 - Operations Management	3	
General Education Elective[3]	3		General Education Elective[3]	3	
STAT 143 - Statistics for Engineers or STAT 211 - Statistical Methods	3		BSAD 180 - Managerial Finance	3	
Total credits	*16*		*Total credits*	*17*	

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		Engineering Management Elective[5]	3	
EE 171 - Signals and Systems	4		EE Concentration Elective[4]	3	
			EE Concentration Elective[4]	3	
General Education Elective[3]	3		EE 188 - Capstone Design II	3	
EE 187 - Capstone Design I	3				
Total credits	*16*		*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. EE Concentration Electives: EE 113, EE 141, EE 163 (if not used to fulfill another requirement), EE 171 (if not used to fulfill another requirement), EE 174, both EE 183 & EE 184, any 200-level EE course. (At least 3 credits must be at the 200 level or higher).
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).