

**BACHELOR OF SCIENCE IN ENGINEERING MANAGEMENT  
CONCENTRATION: ELECTRICAL ENGINEERING**

**Catalogue  
2015-2016**

**Student:** \_\_\_\_\_  
**ID #:** \_\_\_\_\_

**Date:** \_\_\_\_\_  
**Advisor:** \_\_\_\_\_

**Year 1**

Semester 1	Cr	Status	Semester 2	Cr	Status
ENGR 002 - Grphcl. Comm. (SolidWorks)	2		PHYS 031 - Physics for Engineers I <sup>1</sup>	4	
CHEM 031 - General Chemistry I <sup>1</sup>	4		PHYS 030 - Prob. Solv. Session I [opt]	[1]	
ENGS 001 - Written Expression	3		CS 020 - Programming for Engineers <sup>1</sup>	3	
MATH 021 - Calculus I <sup>1</sup>	4		MATH 022 - Calculus II <sup>1</sup>	4	
EC 011 - Macroeconomics	3		EE 001 - First Year Design Experience	2	
			EC 012 - Microeconomics	3	
<i>Total credits</i>	<i>16</i>		<i>Total credits</i>	<i>16/17</i>	

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		BSAD 061 - Managerial Accounting	3	
BSAD 060 - Financial Accounting	3		MATH 271 - Appl. Math. for Engr. & Sci.	3	
EE 081 - Linear Circuits Lab I	2		EE 082 - Linear Circuits Lab II	2	
CS 031 - C Programming	1		PHYS 125 - Physics for Engineers II	3	
General Education Elective <sup>2</sup>	3		PHYS 123 - Phys. Prob. Solving II [opt]	[1]	
<i>Total credits</i>	<i>16</i>		<i>Total credits</i>	<i>14-15</i>	

**Year 3**

Semester 1	Cr	Status	Semester 2	Cr	Status
EE 120 - Electronics I	3		EE 121 - Electronics II	3	
EE 131 - Digital Design	3		EE 134 - Microcomputer Based Systems	4	
BSAD 141 - Mgmt. Information Systems	3		BSAD 173 - Prod. & Operations Analysis	3	
General Education Elective <sup>2</sup>	3		General Education Elective <sup>2</sup>	3	
STAT 143 - Statistics for Engineers or STAT 211- Statistical Methods	3		BSAD 180 - Managerial Finance	3	
<i>Total credits</i>	<i>15</i>		<i>Total credits</i>	<i>16</i>	

**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 <sup>4</sup>	3	
EE 163 - Solid State Physics or EE 171 - Signals and Systems	4		Engineering Management Elective <sup>4</sup>	3	
General Education Elective <sup>2</sup>	3		EE Concentration Elective <sup>3</sup>	3	
EMGT 185 - Senior Project	3		EE Concentration Elective <sup>3</sup>		
<i>Total credits</i>	<i>16</i>		<i>Total credits</i>	<i>15</i>	

2. 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).

3. 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).

4. 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).

