

Bachelor of Science Engineering Management
Student Checklist - FS 2026 Catalog - 121 Hours

General Engineering Emphasis

Freshman Year			
<u>First Semester</u>		<u>Second Semester</u>	
Chem 1100 - Intro to Lab Safety	1 <input type="radio"/>	History 1100 - Early Western Civilization, or	
Chem 1305 - Fundamentals of General Chemistry or 1310 - General Chemistry	4 <input type="radio"/>	History 1300 - American History To 1877, or	3 <input type="radio"/>
Chem 1319 - General Chemistry Laboratory	1 <input type="radio"/>	History 1310 - American History Since 1877, or	
English 1120 - Exposition and Argumentation	3 <input type="radio"/>	Pol Sci 1200 - American Government	
Fr 1100 - Study & Careers in Eng & Comp	1 <input type="radio"/>	Math 1215 - Calculus II	4 <input type="radio"/>
Math 1214 - Calculus I or 1211 - Calculus I-B	4 <input type="radio"/>	Mech Eng 1720 - Introduction to Eng Design	3 <input type="radio"/>
		Physics 1135 - Engineering Physics I	4 <input type="radio"/>
	<u>14</u>		<u>14</u>
Sophomore Year			
<u>First Semester</u>		<u>Second Semester</u>	
Civ Eng 2200 - Statics	3 <input type="radio"/>	Eng Mgt 2110 - Managing Eng & Technology	3 <input type="radio"/>
Eng Mgt 1210 - Eco Analysis of Eng Projects	2 <input type="radio"/>	Eng Mgt 2211 - Eng Mgt Accounting & Finance	3 <input type="radio"/>
Eng Mgt 2310 - Introduction to System Eng	3 <input type="radio"/>	Math 3304 - Elementary Differential Equations	3 <input type="radio"/>
Math 2222 - Calculus III	4 <input type="radio"/>	Programming Elective	3 <input type="radio"/>
Physics 2135 - Engineering Physics II	4 <input type="radio"/>	Stat 3113 - Applied Engineering Statistics or 3117 - Intro to Probability and Statistics	3 <input type="radio"/>
	<u>16</u>		<u>15</u>
Junior Year			
<u>First Semester</u>		<u>Second Semester</u>	
Civ Eng 2210 - Mechanics Of Materials	3 <input type="radio"/>	English 3560 - Technical Writing	3 <input type="radio"/>
Eng Mgt 3310 - Operations & Prod Mgt	3 <input type="radio"/>	or 1160 - Writing And Research	
Eng Mgt 3510 - Marketing Management	3 <input type="radio"/>	Eng Mgt 3320 - Intro to Project Mgt	3 <input type="radio"/>
Psych 1101 - General Psychology	3 <input type="radio"/>	Eng Mgt 4710 - Quality	3 <input type="radio"/>
SP&M S 1185 - Principles Of Speech or 2181 - Communication Theory	3 <input type="radio"/>	General Education Elective	3 <input type="radio"/>
	<u>15</u>	Mech Eng 2350 - Eng Mechanics-Dynamics	2 <input type="radio"/>
		Mech Eng 2527 - Thermal Analysis	3 <input type="radio"/>
			<u>17</u>
Senior Year			
<u>First Semester</u>		<u>Second Semester</u>	
Elec Eng 2800 - Electrical Circuits	3 <input type="radio"/>	Emphasis Area Required Course	3 <input type="radio"/>
Emphasis Area Required Course	3 <input type="radio"/>	Emphasis Area Required Course	3 <input type="radio"/>
Emphasis Area Required Course	3 <input type="radio"/>	Eng Mgt 4907 - Eng Mgt Senior Design	3 <input type="radio"/>
Eng Mgt 4110 - Gen Mgt-Design & Integration	3 <input type="radio"/>	Eng Mgt Technical Elective	3 <input type="radio"/>
General Education Elective	3 <input type="radio"/>	General Education Elective	3 <input type="radio"/>
	<u>15</u>		<u>15</u>

Comments:

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Management of Technology Emphasis

Freshman Year			
<u>First Semester</u>		<u>Second Semester</u>	
Chem 1100 - Intro to Lab Safety	1	<input type="radio"/>	History 1100 - Early Western Civilization, or
Chem 1305 - Fundamentals of General Chemistry or 1310 - General Chemistry	4	<input type="radio"/>	History 1300 - American History To 1877, or
Chem 1319 - General Chemistry Laboratory	1	<input type="radio"/>	History 1310 - American History Since 1877, or
English 1120 - Exposition and Argumentation	3	<input type="radio"/>	Pol Sci 1200 - American Government
FR Eng 1100 - Study & Careers in Eng & Comp	1	<input type="radio"/>	Math 1215 - Calculus II
Math 1214 - Calculus I or 1211 - Calculus I-B	4	<input type="radio"/>	Mech Eng 1720 - Introduction to Eng Design
			Physics 1135 - Engineering Physics 1
	<u>14</u>		<u>14</u>
Sophomore Year			
<u>First Semester</u>		<u>Second Semester</u>	
Civ Eng 2200 - Statics	3	<input type="radio"/>	Eng Mgt 2110 - Managing Eng & Technology
Eng Mgt 1210 - Eco Analysis of Eng Projects	2	<input type="radio"/>	Eng Mgt 2211 - Eng Mgt Accounting & Finance
Eng Mgt 2310 - Introduction to System Eng	3	<input type="radio"/>	Math 3304 - Elementary Differential Equations
Math 2222 - Calculus III	4	<input type="radio"/>	Programming Elective
Physics 2135 - Engineering Physics II	4	<input type="radio"/>	Stat 3113 - Applied Engineering Statistics or 3117 - Intro to Probability and Statistics
	<u>16</u>		<u>15</u>
Junior Year			
<u>First Semester</u>		<u>Second Semester</u>	
Civ Eng 2210 - Mechanics Of Materials	3	<input type="radio"/>	English 3560 - Technical Writing
Eng Mgt 3310 - Operations & Prod Mgt	3	<input type="radio"/>	or 1160 - Writing And Research
Eng Mgt 3510 - Marketing Management	3	<input type="radio"/>	Eng Mgt 3320 - Intro to Project Mgt
Psych 1101 - General Psychology	3	<input type="radio"/>	Eng Mgt 4710 - Quality
SP&M S 1185 - Principles Of Speech or 2181 - Communication Theory	3	<input type="radio"/>	General Education Elective
	<u>15</u>		Mech Eng 2350 - Eng Mechanics-Dynamics
			Mech Eng 2527 - Thermal Analysis
			<u>17</u>
Senior Year			
<u>First Semester</u>		<u>Second Semester</u>	
Elec Eng 2800 - Electrical Circuits	3	<input type="radio"/>	Eng Mgt 4907 - Eng Mgt Senior Design
Eng Mgt 5410 - Industrial System Simulation	3	<input type="radio"/>	Eng Mgt 5512 - Legal Environment
Eng Mgt 5511 - Technical Entrepreneurship	3	<input type="radio"/>	Eng Mgt 5614 - Supply Chain Management Systems
Eng Mgt 4110 - Gen Mgt-Design & Integration	3	<input type="radio"/>	Eng Mgt Technical Elective
General Education Elective	3	<input type="radio"/>	General Education Elective
	<u>15</u>		<u>15</u>

Comments:

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Industrial Engineering Emphasis

Freshman Year			
<u>First Semester</u>		<u>Second Semester</u>	
Chem 1100 - Intro to Lab Safety	1 <input type="radio"/>	History 1100 - Early Western Civilization, or	
Chem 1305 - Fundamentals of General Chemistry or 1310 - General Chemistry	4 <input type="radio"/>	History 1300 - American History To 1877, or	3 <input type="radio"/>
Chem 1319 - General Chemistry Laboratory	1 <input type="radio"/>	History 1310 - American History Since 1877, or	
English 1120 - Exposition and Argumentation	3 <input type="radio"/>	Pol Sci 1200 - American Government	
FR Eng 1100 - Study & Careers in Eng & Comp	1 <input type="radio"/>	Math 1215 - Calculus II	4 <input type="radio"/>
Math 1214 - Calculus I or 1211 - Calculus I-B	4 <input type="radio"/>	Mech Eng 1720 - Introduction to Eng Design	3 <input type="radio"/>
		Physics 1135 - Engineering Physics 1	4 <input type="radio"/>
	<u>14</u>		<u>14</u>
Sophomore Year			
<u>First Semester</u>		<u>Second Semester</u>	
Civ Eng 2200 - Statics	3 <input type="radio"/>	Eng Mgt 2110 - Managing Eng & Technology	3 <input type="radio"/>
Eng Mgt 1210 - Eco Analysis of Eng Projects	2 <input type="radio"/>	Eng Mgt 2211 - Eng Mgt Accounting & Finance	3 <input type="radio"/>
Eng Mgt 2310 - Introduction to System Eng	3 <input type="radio"/>	Math 3304 - Elementary Differential Equations	3 <input type="radio"/>
Math 2222 - Calculus III	4 <input type="radio"/>	Programming Elective	3 <input type="radio"/>
Physics 2135 - Engineering Physics II	4 <input type="radio"/>	Stat 3113 - Applied Engineering Statistics or 3117 - Intro to Probability and Statistics	3 <input type="radio"/>
	<u>16</u>		<u>15</u>
Junior Year			
<u>First Semester</u>		<u>Second Semester</u>	
Civ Eng 2210 - Mechanics Of Materials	3 <input type="radio"/>	English 3560 - Technical Writing	3 <input type="radio"/>
Eng Mgt 3310 - Operations & Prod Mgt	3 <input type="radio"/>	or 1160 - Writing And Research	
Eng Mgt 3510 - Marketing Management	3 <input type="radio"/>	Eng Mgt 3320 - Intro to Project Mgt	3 <input type="radio"/>
Psych 1101 - General Psychology	3 <input type="radio"/>	Eng Mgt 4710 - Quality	3 <input type="radio"/>
SP&M S 1185 - Principles Of Speech or 2181 - Communication Theory	3 <input type="radio"/>	General Education Elective	3 <input type="radio"/>
		Mech Eng 2350 - Eng Mechanics-Dynamics	2 <input type="radio"/>
		Mech Eng 2527 - Thermal Analysis	3 <input type="radio"/>
	<u>15</u>		<u>17</u>
Senior Year			
<u>First Semester</u>		<u>Second Semester</u>	
Eng Mgt 5410 - Industrial System Simulation	3 <input type="radio"/>	Eng Mgt 4907 - Eng Mgt Senior Design	3 <input type="radio"/>
Eng Mgt 5414 - Intro to Operations Research	3 <input type="radio"/>	Eng Mgt 4310 - Material Handling & Plant Layout	3 <input type="radio"/>
Elec Eng 2800 - Electrical Circuits	3 <input type="radio"/>	Eng Mgt Technical Elective	3 <input type="radio"/>
Eng Mgt 4110 - Gen Mgt-Design & Integration	3 <input type="radio"/>	Eng Mgt 4330 - Human Factors	3 <input type="radio"/>
General Education Elective	3 <input type="radio"/>	General Education Elective	3 <input type="radio"/>
	<u>15</u>		<u>15</u>

Comments: