

**Mechanical Engineering Curriculum**
**Bold = minimum grade requirement of C-**

FIRST YEAR			
FALL	CR	SPRING	CR
Freshman Engineering Clinic I (ENGR 01.101)	2	Freshman Clinic 2 (ENGR 01.102)	2
<b>Calculus I (MATH 01.130)</b>	4	<b>Calculus II (MATH 01.131)</b>	4
Chemistry (CHEM06.100)	4	Introductory Mechanics I (PHYS 00.220)	4
Computer Sci. & Prog (CS 04.103)	4	Intro to Mechanical Design (ME10.101)*	3
<i>General Education</i>	3	College Composition I (COMP 01.111)	3
		* or Materials Science & Mfg. (ENGR 01.283)	
<b>TOTAL</b>	<b>17</b>	<b>TOTAL</b>	<b>16</b>
SECOND YEAR			
FALL	CR	SPRING	CR
Sophomore Clinic 1 (ENGR 01.201)	4	Sophomore Clinic 2 (ENGR 01.202)	4
<b>Calculus III (MATH 01.230)</b>	4	<b>Math for Engrg Analysis (MATH 01.235)</b>	4
Intro Elect. & Magnetism (PHYS 00.222)	4	Strength of Materials (ENGR 01.273)	3
Statics (ENGR 01.271)	2	ME Lab (ME 10.211)	2
Dynamics (ENGR 01.291)	2	Materials Science & Mfg. (ENGR 01.283)*	3
		* or Intro to Mechanical Design (ME10.101)	
<b>TOTAL</b>	<b>16</b>	<b>TOTAL</b>	<b>16</b>
THIRD YEAR			
FALL	CR	SPRING	CR
Junior Clinic (ENGR 01.301)	2	Junior Clinic (ENGR 01.302)	2
Thermal-Fluid Sciences I (ME 10.321)	6	Thermal-Fluid Sciences II (ME 10.322)	6
Machine Design (ME 10.301)	4	Quality & Reliability (ME 10.342)	3
<i>General Education</i>	3	Entrepreneurship & Innovation (ENT 06.240)**	3
		Principles & Apps. of ECE (ECE09.205)	3
		* or other business elective	
<b>TOTAL</b>	<b>15</b>	<b>TOTAL</b>	<b>17</b>
FOURTH YEAR			
FALL	CR	SPRING	CR
Senior Clinic (ENGR 01.401)	2	Senior Clinic (WI) (ENGR 01.402)	2
Systems Dynamics & Control I (ME 10.343)	3	Systems Dynamics & Control II (ME 10.343)	3
Finite Element Analysis (ENGR 01.410)	3	Major Elective III (ME 10.4xx)	3
Major Elective I (ME 10.4xx)	3	Major Elective IV (ME 10.4xx)	3
Major Elective II (ME 10.4xx)	3	<i>General Education</i>	3
<i>General Education</i>	3		
<b>TOTAL</b>	<b>17</b>	<b>TOTAL</b>	<b>14</b>

\*\*satisfies 3r of SBS

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