

**Howard R. Hughes College of Engineering**  
**Department of Mechanical Engineering**  
**B.S. in Engineering (Major, Mechanical Engineering)**

<b>First Year - Fall</b>	<b>Cr First Year - Spring</b>	<b>Cr</b>
CHE 115 General Chemistry I*	4 PHY 180/180L Engineering Physics I*	4
ENG 101 Composition I*	3 ENG 102 Composition II*	3
MAT 180 Elem Calculus I*	4 MAT 182 Elementary Calculus II*	4
MEG 100 Intro to Mech&Aero Engineering	2 CEG 206 Engineering Mechanics I*	3
Constitution Elective*	4 Fine Arts Elective*	3
MEG 120 Intro to AutoCAD*	1	
<b>Total</b>	<b>18 Total</b>	<b>17</b>

<b>Second Year - Fall</b>	<b>Cr Second Year - Spring</b>	<b>Cr</b>
PHY 182/182L Eng Physics II*	4 EEG 291 Intro to Elec Engineering	3
MAT 283 Inter Calculus*	4 MAT 429 Math for Engineers	4
CSC 117 FORTRAN*	3 MEG 380/380L Fluid Mechanics	4
MEG 207 Engineering Mechanics II*	3 MEG 301 Structures & Prop of Solids	3
MEG 302/302L Material Mechanics	4 HUM/SS Elective*	3
<b>Total</b>	<b>18 Total</b>	<b>17</b>

<b>Third Year - Fall</b>	<b>Cr Third Year - Spring</b>	<b>Cr</b>
MEG 330 Analysis of Dynamic Systems	3 MEG 320 Dyn of Machines	3
MEG 311 Eng Thermodynamics	3 MEG 337/337L Eng Measurements	4
MEG 314 Heat Transfer I	3 MEG Elective	3
MEG 315 Thermal Eng Laboratory	1 MEG 445 Comp Methods for Eng	3
MEG 440 Mech Eng Design	3 EGG 307 Engineering Economics	3
<b>Total</b>	<b>13 Total</b>	<b>16</b>

<b>Fourth Year - Fall****</b>	<b>Cr Fourth Year - Spring****</b>	<b>Cr</b>
ENG 404 Technical Writing	3 MEG 498 Senior Design Project II	2
MEG 421/421L Auto Controls	4 MEG Elective	3
MEG 497 Senior Design Project I	2 HUM/SS Elective	3
MEG Elective	3 HUM/SS Elective	3
MEG Elective	3 MEG Elective	3
HUM/SS Elective	3	
<b>Total</b>	<b>18 Total</b>	<b>14</b>

\* Pre-major requirement

TOTAL CREDITS = 131

\*\* FE Exam should be taken 1-2 semesters prior to graduation

^^ Students should submit a Graduation application one year before anticipated graduation date