

GENERAL EDUCATION PROGRAM				ENGINEERING MAJOR			
<i>COMMUNICATION - 9 CrHs</i>	<i>CrHs</i>	<i>Grade</i>	<i>Trans Equiv</i>	<i>MAJOR COURSES - 71 CrHs</i>	<i>CrHs</i>	<i>Grade</i>	<i>Trans Equiv</i>
ENC 1101	3*			EGS 1006C Introduction to the Engineering Profession	1		
ENC 1102	3*			EGN 1007C Engineering Concepts and Methods	1		
SPC 1608	3			EGN 3310 Engineering Analysis-Statics	3		
<b><i>CULTURAL &amp; HISTORICAL - 9 CrHs</i></b>				EML 3217 Engineering Mechanics-Dynamics	3		
Select 2: AMH 2010, AMH 2020, EUH 2000, EUH 2001, HUM 2211, HUM 2230, WHO 2012, WHO 2022	6*			EGN 3343 Thermodynamics	3		
Approved Cultural Foundations Course	3			EMA 3706 Structures and Properties of Aerospace Materials	3		
<b><i>SOCIAL FOUNDATION - 6 CrHs</i></b>				EGN 3373 Principles of Electrical Engineering	3		
ANT 2000, PSY 2012, SYG 2000	3			STA 3032 Probability & Statistics for Engineers	GEP		
ECO 2013 (preferred) <u>or</u> ECO 2023	3			EML 3034C Modeling Methods in MAE	3		
<b><i>SCIENCE - 7 CrHs</i></b>				EAS 3101 Fundamental of Aerodynamics	3		
ANT 2511, BSC 1005, BSC 1050, GEO 2370, GEO 1200, MCB 1310	3			EGM 3601 Solid Mechanics	3		
PHY 2048/L Phys for Engrs & Sci I	4			EML 3701 Fluid Mechanics I	3		
<b><i>MATHEMATICAL - 7 CrHs</i></b>				EAS 3800C Aerospace Engineering Measurements	3		
MAC 2311C Calc I w/ Analytic Geometry	**4*			EAS 3810C Design of Aerospace Experiments	3		
STA 3032 Prob & Stats for Engrs	3*			EAS 4105 Flight Mechanics	3		
<b><i>GPA Gen Ed Prog</i></b>	<b>38</b>			EAS 4134 High-Speed Aerodynamics	3		
<b>ENGINEERING CORE</b>				EML 4142 Heat Transfer	3		
MAC 2311C Calc I w/ Analytic Geometry	GEP**			EAS 4200 Analysis and Design Aerospace Structures	3		
MAC 2312 Calc II w/ Analytic Geometry	4**			EML 4225 Introduction to Vibrations and Controls	3		
MAC 2313 Calc III w/ Analytic Geometry	4**			EAS 4300 Aerothermodynamics of Propulsion Systems	3		
MAP 2302 Differential Equations	3**			EAS 4700C Aerospace Design I	3		
CHS 1440 Principals of Chemistry (preferred) or CHM 2045C	4**			EAS 4710C Aerospace Design II	3		
PHY 2048C Phys for Engr & Sci I and Lab	GEP**			EAS 3990 Career/Academic Advising I	0		
PHY 2049C Phys for Engr & Sci II and Lab	4**			EAS 4991 Career/Academic Advising II	0		
<b><i>GPA for the Core</i></b>	<b>19</b>			Approved Technical Electives (4)	12		
				<b><i>GPA for the Major</i></b>	<b>71</b>		

**Notes:**

\* Indicates a "C-" minimum required by the Gordon Rule

\*\* Indicates a "C or Better" minimum required in Calculus I, II, III, Differential Equations, Physics I, and Chemistry

GEP = General Education Program (These courses may also satisfy Engineering credits)

The minimum GPA for a Mechanical or Aerospace Engineering Major = 2.25

<b>Cumulative GPA and Total Credit Hours</b>	<b>128</b>	
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