

Name:

University of Central Florida
Department of Mechanical, Materials and Aerospace Engineering
Degree Requirement Checksheet

Aerospace Engineering
2010-11 Catalog Year
128 Semester Hours

PID:

<i>GENERAL EDUCATION PROGRAM</i>				<i>ENGINEERING MAJOR</i>	<i>SH</i>	<i>Grd</i>	<i>Trans Equiv</i>
<i>COMMUNICATION - 9 SH</i>							
	<i>SH</i>	<i>Grd</i>	<i>Trans Equiv</i>	EGN 1006 Intro to Engr Prof	1		
ENC 1101	3	*		EGN 1007 Engr Concepts and Methods	1		
ENC 1102	3	*		EGN 3310 Engineering Analysis-Statics	3		
SPC 1600 (SPC 1016 preferred)	3			EGN 3321 Engineering Analysis-Dynamics	3		
<i>CULTURAL & HISTORICAL - 9 SH</i>				EGN 3343 Thermodynamics	3		
Select 2: AMH 2010, AMH 2020, EUH 2000, EUH 2001, HUM 2211, HUM 2230, WHO 2012, WHO 2022	6	*		EMA 3706 Struct and Prop of Aerospace Materials	3		
Approved Cultural Foundations course:	3			EGN 3373 Principles of Electrical Engr	3		
<i>SOCIAL FOUNDATION - 6 SH</i>				STA 3032 Probability & Statistics for Engrs	GEP		
ANT 2000/ PSY 2012/ SYG 2000	3			EGM 3601 Solid Mechanics	3		
ECO 2013 (preferred) <i>or</i> ECO 2023	3			EAS 3010 Fundamentals of Flight	3		
<i>SCIENCE - 6 SH</i>				EAS 3101 Aerodynamics I	3		
GEO 1200 <i>or</i> GEO 2370 (either GEO is preferred)				EAS 3800C Aerospace Engr Measurements	3		
<i>or</i> BSC 1050C <i>or</i> BSC 1005C <i>or</i> MCB 1310 <i>or</i> ANT 2511	3			EAS 3810C Design of Aero Experiments	3		
PHY 2048/L Phys for Engrs & Sci I	4			EAS 4105 Flight Mechanics	3		
<i>MATHEMATICAL - 6 SH</i>				EAS 4134 High-Speed Aerodynamics	3		
MAC 2311Calc.I	4	*	**	EAS 4200 Flight Structures	3		
STA 3032 Prob & Stats for Engrs	3	*		EAS 4210 Space Structural Dynamics	3		
<i>GPA Gen Ed Prog =</i>	<i>38</i>			EAS 4300 Aerothermodynamics-Propulsion Systems	3		
<i>* Indicates "C-" minimum required by the Gordon Rule</i>				EAS 3530 Space Systems Concepts <i>or</i>	3		
				EAS 4505 Orbital Mechanics			
				EML 3034C Modeling Methods in MMAE	3		
<i>ENGINEERING CORE</i>				EML 4312C Feedback Control	3		
MAC 2311 Calc I	GEP	**		EAS 4700C Aerosp. Desg. I or EGN 4412 Interdiscp. Des.1	3		
MAC 2312 Calc II	4	**		EAS 4710C Aerosp. Desg. II or EGN 4413 Interdisp. Des. 2	3		
MAC 2313 Calc III	4	**		Approved Technical Elective	3		
MAP 2302 Differential Equations	3	**		Approved Technical Elective	3		
CHS 1440/L Chem for Engrs (preferred) or CHM 2045/L	4	**		Approved Technical Elective	3		
PHY 2048/L Phys for Engrs & Sci I and Lab	GEP	**		<i>SUBTOTAL SEM HRS</i>	<i>71</i>		
PHY 2049/L Phys for Engrs & Sci II and Lab	4			GPA Engr Option = 2.25 minimum			
<i>SUBTOTAL SEM HRS</i>				<i>19</i>			
ADVISOR'S COMMENTS:				FE Exam Encouraged for AE (take during Senior year)			
** C or better is required in Calculus I, II & III, Differential Equations, Physics I and Chemistry				Date FE Exam Taken:		Score:	