

**2009 - 2011
AEROSPACE ENGINEERING
FLOW CHART FOR B.S. DEGREE**

FRESHMAN			SOPHOMORE			JUNIOR			SENIOR				
Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring		
Aero Fundmntls. AERO 121			Intro Aero Dsgn. AERO 215 <small>(AERO 121, MATH 143, rcmd: IME 144)</small>	Aero Engr Analysis AERO 300 <small>(PHYS 133, ME 211, MATH 244 †)</small>	AERO 301 <small>(ME 211 and AERO 300)</small>	<i>Aerothermodynamics I, II, & III</i> AERO 302 <small>(AERO 301)</small>		AERO 303 <small>(AERO 302)</small>	Exp'mtl Aerotherm. AERO 304 <small>(ENGL 149, AERO 302 †)</small>	Propulsion Sys. AERO 401 <small>(AERO 303, CHEM 124)</small>	Senior Project I&II or S.P Lab I&II Aero 461 or Aero 463 or Aero 464 <small>(Senior Standing) (Senior Standing)</small> Note: Begin project work and lit search well before Sign-up with Department Chair		
Intro Dsgn Mnfg. IME 144 <small>(IME 130 or 140 or instructor consent)</small>	Gen. Chem. CHEM 124 ** [B3/B4]	Technical Writing ENGL 149 <small>(Completion of GE Areas A1 + A2)</small> [A3]	Statics ME 211 <small>(AERO 241 or †, PHYS 131)</small>	Dynamics ME 212 <small>(ME 211, MATH 241)</small>	Stat. Mthd. for Engrs STAT 312 <small>(MATH 142)</small>	Aerodyn. Flight Pfrfm. AERO 306 <small>(AERO 215, AERO 301, AERO 302 †)</small>	Exp'mtl Aerodyn. AERO 307 <small>(AERO 302, AERO 306, ENGL 149)</small>	AERO 405** <small>(Aeronautics Conc.)</small> OR AERO 451** <small>(Astronautics Conc.)</small>	AERO 443** OR AERO 447**			AERO 444** OR AERO 448**	AERO 445** OR AERO 449**
MATH 141 ** [B1]	<i>Calculus I, II, & III</i> MATH 142 <small>(MATH 141 w/ ≥C-)</small> [B1]		MATH 143 <small>(MATH 142)</small> [Add'l Area B]	<i>Calculus IV</i> MATH 241 <small>(MATH 143)</small>	<i>Linear analysis I</i> MATH 244 <small>(MATH 143 or instructor consent)</small>	<i>Electric Circuit Thry</i> EE 201/251 <small>(MATH 244 and PHYS 133)</small>	<i>Aero Structrl Analysis I</i> AERO 331 <small>(AERO 300, CE 207, ME 212)</small>	<i>Aero Structrl Analysis II</i> AERO 431 <small>(AERO 331)</small>	<i>Intro to Space Systems</i> AERO 446 <small>(ME 212, AERO 320)</small>	<i>Exper. Stress Analysis</i> AERO 433 <small>(AERO 331, AERO 431)</small>	CONCEN. ELECTIVES <small>(4 Units)</small>	CONCEN. ELECTIVES <small>(4 Units)</small>	
Self Develop. GEB [D4]	PHYS 131 <small>(MATH 141 w/ ≥C-, MATH 142 or †)</small>	<i>General Physics</i> PHYS 132 <small>(PHYS 131)</small>		PHYS 133 <small>(PHYS 131 and MATH 142)</small>	<i>Mechanics of Materials I & II</i> CE 204 <small>(ME 211)</small>		CE 207 <small>(CE 204)</small>	<i>Electronics</i> EE 321/361 <small>(EE 201, EE 251)</small>	<i>Fund. Guidnc. Cntrl</i> AERO 320 <small>(AERO 215, AERO 300, ME 212 or †)</small>	<i>Sibly Cntrl. Aero Vhcl.</i> AERO 420 <small>(ME 212, AERO 306, AERO 320)</small>	<i>Fine & Perf. Arts EL.</i> GEB [C3]		
Writing Exposition ENGL 134 [A1]	Pub. Speaking /Speech Com COMS 101/102 [A2]	American Exp. GEB [D1]	BIO 213/ ENGR 213 <small>(MATH 142 and CHEM 124)</small> [B2]	Mate. Engr MATE 210 <small>(CHEM 124)</small>			<i>Philosophy EL.</i> GEB ** [C2]	<i>Literature EL.</i> GEB ** [C1]	<i>Literature, Philosophy & Arts</i> GEB ** [C4]	<i>Social Institutions</i> GEB [D3]	<i>Political Econ.</i> GEB [D2]		
18	16	16	17	18	15	16	18	18	17	13	14		
										TOTAL:	196		

Notes:

() = PREREQUISITE

† = CO-REQUISITE

** Refer to current catalog for prerequisites

COURSES CAN BE TAKEN IN ANY CHOSEN ORDER, AS LONG AS PREREQUISITES ARE MET.

For catalog changes refer to www.eadvice.calpoly.edu

Refer to 2009-2011 Catalog for GE&B course selection, multidisciplinary requirement, cultural pluralism, and GWR requirement.

Please refer to department annual course offerings for list of available classes each quarter.