

**2003 - 2005
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 AERO 121 (P) MATH 143 (P)	Stat. Mthd. for Engrs *STAT 312 MATH 142 (P)	Aero Engrg Analysis *AERO 300 AERO 215 (P) MATH 244 (P) ME 211 (P) PHYS 133 (P) STAT 312 [C] ME 212 [C] CE 205 [C]	Aerothermodynamics AERO 301 AERO 302 AERO 303 ME 211 (P) AERO 301 (P) AERO 302 (P) AERO 300 (P)			Propulsion Sys. AERO 401 CHEM 124 (P) AERO 303 (P) AERO 306 (P)	Senior Project AERO 463 AERO 464	
Intro Dsgn Mnfgr. *IME 144	Gen. Chem. *CHEM 124	Technical Writing *ENGL 149	Statics *ME 211 MATH 241 (P) PHYS 131 (P)	Dynamics *ME 212 ME 211 (P) MATH 241 (P)		Aero Structl Analysis I Aero Structl Analysis II Exper. Dsgn AERO 331 AERO 431 AERO 433 AERO 300 (P) AERO 331 (P) AERO 331 (P) AERO 431 (P)			Aircraft OR Spacecraft Design AERO 443 or AERO 444 or AERO 445 or AERO 447 AERO 448 AERO 449 REFER TO 2003-05 CATALOG FOR (P) [C]		
Analytic Geometry & Calculus *MATH 141 *MATH 142 *MATH 143 See MATH Dept. MATH 141: ≥ C- (P) MATH 142 (P) For Requirements "B1" "B1" "B+"			Calculus IV *MATH 241 MATH 143 (P)	Linear analysis I *MATH 244 MATH 143 (P)	Electric Circuit Thry *EE 201/251 MATH 244 (P) PHYS 133 (P)	Electronics Aerodynm. Flight Pfrfm. Fund. Of Guidnc. Cntr/Sibly Cntrl. Aero Vhcl. *EE 321/361 AERO 306 AERO 320 AERO 420 EE 201 (P) AERO 215 (P) AERO 215 (P) ME 212 (P) AERO 301 (P) AERO 300 (P) AERO 306 (P) AERO 302 [C] ME 212 [C] AERO 320 (P)			CONCEN. ELECTIVES		CONCEN. ELECTIVES
GEB "D4"	General Physics *PHYS 131 *PHYS 132 *PHYS 133 MATH 141: ≥ C- (P) PHYS 131 (P) PHYS 131 (P) (MATH 142 or conc.) MATH 142 (P)		*PHYS 133 PHYS 131 (P)	Strngth Materials I *CE 204 ME 211 (P)	Strngth Materials II *CE 205/206 CE 204 (P)	Experimental Aerothrn Experimental Aerodynm. AERO 304 AERO 307 AERO 405 or ENGL 148 (P) ENGL 148 (P) AERO 451 AERO 302 (P) AERO 302 (P) REFER TO 2003-05 AERO 306 (P) AERO 306 (P) CATALOG FOR (P) [C]			GEB "C4"		
GEB "A1"	GEB "A2"	GEB "D1"	Materials Engineering *MATE 210 CHEM 124 (P)	GEB "C1"	*BIO 213/ ENGR 213 "B2"	GEB "C3"	GEB "D3"	USCP	GEB "C2"	GEB "D2"	
18	16	16	16	18	16	18	14	16	14	18	15
										TOTAL:	195

Notes:

(P) indicates a PREREQUISITE for the course

[C] indicates a CO-REQUIREMENT for the course

"Quotations indicated the GEB category satisfied, if relevant"

* Courses offered multiple quarters - Contact Dept. Offices

Courses can be taken in any chosen order, as long as prerequisites are met.