



**California State Polytechnic University, Pomona
DEGREE REQUIREMENT EVALUATION**

ELM Satisfied ___ Yes ___ No
EPT Satisfied ___ Yes ___ No
GWT Satisfied ___ Yes ___ No

MAJOR **AEROSPACE ENGINEERING (5050)**

NAME _____
LAST FIRST MI

TERM ADMITTED _____ YEAR: **2003-2004**

OPTION/EMPHASIS _____

EVALUATOR _____

UNITS REQUIRED **202**

STUDENT I.D. # _____

DATE _____

UPDATES _____

CORE COURSES	Units	SUPPORT COURSES	Units	IGE	GENERAL EDUCATION. Students may fulfill these requirements at Cal Poly Pomona with the General Education (GE) or the Interdisciplinary General Education (IGE) Programs. Select courses from approved lists shown in the Schedule of Classes unless specified.											
<i>Students in this major are expected to <u>maintain</u> a GPA of at least 2.00 in all core courses.</i>																
Intro Aero Engr I	ARO 101A	Elem of Elec. Engg/Lab	ECE 231/251L	4	IGE 120	4										
Intro Aero Engr II	ARO 102A	An Geom/Calculus II	MAT 115	4	IGE 121	4										
Intro Aero Engr III	ARO 103A	An Geom/Calculus III	MAT 116	4	IGE 122	4										
Aero Engr Comp Graphics	ARO 127L	Calc of Sev Var I	MAT 214	3	IGE 220	4										
Fund Sys Engr	ARO 201L	Calc of Sev Var II	MAT 215	3	IGE 221	4										
Fund Aeronautics	ARO 202L	Diff Equations	MAT 216	4	IGE 222	4										
Fund Astronautics	ARO 203L	Matls Science	MTE 207	3	IGE 223	4										
Fluid Mechanics	ARO 301	Gen Physics	PHY 131	3	IGE 224	4										
Subsonic Aerodyn	ARO 305	Lap Trans & Fourier Ser	MAT 317	3	COM 204	4										
Astronautics	ARO 309	Math Anal of Engr. Prob	MAT 318	3	EC 202	4										
Gas Dynamics	ARO 311	Gen Physics	PHY 132/L	4	ENG 105	4										
Aero Propulsn Sys	ARO 312	Gen Physics	PHY 133/L	4	Area B	16										
Aero Fdbk Ctrl Sys	ARO 322/L	Gen Physics	PHY 133/L	4	Area C4	4										
Intro Struct Mech	ARO 326	Vector Statics	ME 214	3	Area D4	4										
Aero Struct Mech	ARO 327	Vector Dynamics	ME 215	4												
Aero Struct Analysis & Design	ARO 329	CME Thermodynamics I	CHE 302	4												
Fluid Mech/Heat Transf Lab	ARO 351L															
Aerodyn & Propulsion Lab	ARO 352L															
Aero Struc Lab	ARO 357L															
Heat, Mass & Moment Transfer	ARO 401															
High-Speed Aerodyn	ARO 404															
Aero Veh Stab & Cont	ARO 405															
Dynam Aero Sys	ARO 406															
Senior Project	ARO 461															
Senior Project	ARO 462															
Aero Concepts Integration	ARO 490L															
Intro to Vehicle Design	ARO 491L															
Vehicle Design Lab I	ARO 492L															
Vehicle Design Lab II	ARO 493L															
Approved Technical Elec	12															
		<table border="1"> <tr> <td colspan="2">SUMMARY OF ADVANCED STANDING CREDIT:</td> </tr> <tr> <td>Earned Hours</td> <td>_____</td> </tr> <tr> <td>G.P.A. Hours</td> <td>_____</td> </tr> <tr> <td>Quality Points</td> <td>_____</td> </tr> <tr> <td>G.P.A.</td> <td>_____</td> </tr> </table>		SUMMARY OF ADVANCED STANDING CREDIT:		Earned Hours	_____	G.P.A. Hours	_____	Quality Points	_____	G.P.A.	_____			
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Earned Hours	_____															
G.P.A. Hours	_____															
Quality Points	_____															
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UNITS REQUIRED: 81		UNITS REQUIRED: 53		<p>GENERAL EDUCATION COURSES</p> <p>Area A Communication and Critical Thinking–12 units</p> <p>1 ENG 104 4</p> <p>2 COM 204 4</p> <p>3 ENG 105 4</p> <p>Area B Math and Natural Sciences–16 units</p> <p>1 <u>MAT 114</u> 4</p> <p>2 <u>PHY 131L, CHM 121/121L</u> 5</p> <p>3 Biological Science 3</p> <p>4 Science and Technology Synthesis* 4</p> <p>Area C Humanities– 16 units</p> <p>1 Fine/Performing Arts 4</p> <p>2 PHL 201 4</p> <p>3 Literature and Foreign Language 4</p> <p>4 Humanities Synthesis* 4</p> <p>Area D Social Sciences– 20 units</p> <p>1a PLS 201 4</p> <p>1b HST 202 4</p> <p>2 EC 202 4</p> <p>3 SOC/PLS 390 4</p> <p>4 Social Science Synthesis* 4</p> <p>Area E Lifelong Understanding and Self-Development–4 units</p> <p>PSY 201 4</p> <p><u>Underlined courses</u> satisfy both major and general education requirements.</p> <p>*Department Approval Required</p> <p>UNITS REQUIRED: 68</p>												

NOT MORE THAN 105 UNITS FROM A COMMUNITY COLLEGE NOR MORE THAN 36 UNITS OF EXTENSION WORK MAY BE APPLIED TOWARD A BACHELOR'S DEGREE.
A 2.0 CUMULATIVE GPA IS REQUIRED IN CORE COURSES INCLUDING OPTION COURSES IN ORDER TO RECEIVE A DEGREE IN THIS MAJOR.

CALIFORNIA STATE POLYTECHNIC UNIVERSITY, POMONA
AEROSPACE ENGINEERING

NAME: _____

CPID: _____

CURRICULUM FLOWSHEET, 2003-04

	FRESHMAN			SOPHOMORE			JUNIOR			SENIOR			
	FALL	WINTER	SPRING	FALL	WINTER	SPRING	FALL	WINTER	SPRING	FALL	WINTER	SPRING	
	ARO 101A 1	ARO 102A 1	ARO 103A 1	ARO 201L 1	ARO 202L 1	ARO 203L 1	ARO 301 4	ARO 305 4	ARO 401 4	ARO 491L 2	ARO 492L 2	ARO 493L 2	
								ARO 311 3	ARO 312 4	ARO ELECTIVE 4	ARO ELECTIVE 4	ARO ELECTIVE 4	
						ARO 326 4	ARO 327 3	ARO 329 3	ARO 404 3	ARO 405 4			
					ARO 127L 2					ARO 461 2	ARO 462 2		
					ECE 231/ ECE 251L 4				ARO 357L 1	ARO 351L 1	ARO 352L 1		
		PHY 131/ PHY 131L 4	PHY 132/ PHY 132L 4	PHY 133/ PHY 133L 4						ARO 309 3	ARO 490L 1		
	MAT 114 4	MAT 115 4	MAT 116 4	MAT 214 3	MAT 215 3	MAT 216 4	MAT 318 3	MAT 317 3	ARO 322/ ARO 322L 4	ARO 406 4			
				ME 214 3	ME 215 4	CHM 121/ CHM 121L 4	CHE 302 4				MTE 207 3		
GE	COM 204 4	ENG 105 4	EC 202 4	AREA B3 3							AREA D4 (LISTED) 4	AREA B4 (LISTED) 4	
IGE	IGE 120 4	IGE 121 4	IGE 122 4	IGE 220 4	IGE 221 4	IGE 222 4	IGE 223 4	IGE 224 4					
GE	ENG 104 4	PHL 201 4	PSY 201 4	HST 202 4	PLS 201 4	SOC/ PLS 390 4	AREA C1 4	AREA C3 4				AREA C4 (LISTED) 4	
UNITS	13	17	17	18	18	17	18	18	19	18	15	14	TOTAL 202