



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

**YEAR: 2000-2001**

MAJOR **AEROSPACE ENGINEERING (5050)**

NAME \_\_\_\_\_ FIRST \_\_\_\_\_ MI \_\_\_\_\_  
LAST \_\_\_\_\_

UNITS REQUIRED **202**

STUDENT I.D. # \_\_\_\_\_

**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.

CORE COURSES	Units	Course Taken	Grade	SUPPORT COURSES	Units	Course Taken	Grade	IGE	Units	Course Taken	Grade	GENERAL EDUCATION COURSES	Units	Course Taken	Grade	
<i>Students in this major are expected to achieve and maintain a GPA of at least 2.00 in all core courses.</i>				General Chemistry	CHM 121/L	4		IGE 120	4			<b>Area 1 Comm in Eng Lang – 12 units</b>				
				Elem of Elec. Engg/Lab	ECE 231/L	4		IGE 121	4			1a ENG 104	4			
				An Geom/Calculus II	MAT 115	4		IGE 122	4			1b COM 204	4			
				An Geom/Calculus III	MAT 116	4		IGE 220	4			1c ENG 105	4			
Intro Aero Engr I	ARO 101/L	1		Calc of Sev Var I	MAT 214	3		IGE 221	4			<b>Area 2 Science/Math – 17 units</b>				
Intro Aero Engr II	ARO 102/L	1		Calc of Sev Var II	MAT 215	3		IGE 222	4			2a <u>MAT 114</u>	4			
Intro Aero Engr III	ARO 103/L	1		Diff Equations	MAT 216	4		IGE 223	4			2b <u>PHY 131/L</u>	4			
Aero Engr Comp Graphics	ARO 127/L	2		Matls Science	MTE 207	3		IGE 224	4			2c Elective	3			
Fund Sys Engr	ARO 201/L	1		Gen Physics	PHY 132/L	4		COM 204	4			2d <u>MAT 317, 318</u>	3,3			
Fund Aeronautics	ARO 202/L	1		Gen Physics	PHY 133/L	4		EC 202	4			<b>Area 3 Humanities/Social Sciences – 24 units</b>				
Fund Astronautics	ARO 203/L	1						ENG 105	4			3a Elective	4			
Fluid Mechanics	ARO 301	4						Area 2	17			3b PHL 201	4			
Subsonic Aerodyn	ARO 305	4						Area 5	8			3c Elective	4			
Astronautics	ARO 309	3										3d EC 202	4			
Gas Dynamics	ARO 311	3										3e,f PLS 390/SOC 390*	4			
Aero Propulsn Sys	ARO 312	4										3g PSY 201	4			
Aero Fdbk Ctrl Sys	ARO 322/L	4										<b>Area 4 US Hst/Const/Ideals – 8 units</b>				
Intro Struct Mech	ARO 326	4										4a PLS 201	4			
Aero Struct Mech	ARO 327	3										4b HST 202	4			
Aero Struct Analysis & Design	ARO 329	3										<b>Area 5 Upper Division GE – 8 units</b>				
Gas Dynamics Lab	ARO 351/L	1										<u>EGR 402</u>	4			
Aerodyn & Propulsion Lab	ARO 352/L	1										<u>MHR 324 or PSY 334 or URP 475</u>	4			
Aero Struc Lab	ARO 357/L	1														
Heat, Mass & Moment Transfer	ARO 401	4														
High-Speed Aerodyn	ARO 404	3														
Aero Veh Stab & Cont	ARO 405	4														
Dynam Aero Sys	ARO 406	4														
Senior Project	ARO 461	2														
Senior Project	ARO 462	2														
Intro to Vehicle Design	ARO 491	3														
Vehicle Design Lab I	ARO 492/L	2														
Vehicle Design Lab II	ARO 493/L	2														
Vector Statics	ME 214	3														
Vector Dynamics	ME 215	4														
Thermodynamics	ME 301	4														
Approved Technical Elec		16														
<b>UNITS REQUIRED:</b>	<b>96</b>			<b>UNITS REQUIRED:</b>	<b>37</b>			<b>UNITS REQUIRED:</b>	<b>69</b>							

**SUMMARY OF ADVANCED STANDING CREDIT:**

Earned Hours \_\_\_\_\_  
 G.P.A. Hours \_\_\_\_\_  
 Quality Points \_\_\_\_\_  
 G.P.A. \_\_\_\_\_  
 ELM Satisfied \_\_\_ Yes \_\_\_ No  
 EPT Satisfied \_\_\_ Yes \_\_\_ No  
 GWT Satisfied \_\_\_ Yes \_\_\_ No  
 EVALUATOR \_\_\_\_\_  
 DATE \_\_\_\_\_  
 UPDATES \_\_\_\_\_

**CALIFORNIA STATE POLYTECHNIC UNIVERSITY, POMONA  
AEROSPACE ENGINEERING**

NAME: \_\_\_\_\_

CPID: \_\_\_\_\_

**CURRICULUM FLOWSHEET, 2000-01**

	FRESHMAN			SOPHOMORE			JUNIOR			SENIOR			
	FALL	WINTER	SPRING	FALL	WINTER	SPRING	FALL	WINTER	SPRING	FALL	WINTER	SPRING	
	ARO 101L 1	ARO 102L 1	ARO 103L 1	ARO 201L 1	ARO 202L 1	ARO 203L 1	ARO 301 4	ARO 305 4	ARO 312 4	ARO 491 3	ARO 492L 2	ARO 493L 2	
		PHY 131/ PHY 131L 4	PHY 132/ PHY 132L 4	PHY 133/ PHY 133L 4		ARO 326 4	ARO 327 3	ARO 311 3	ARO 401 4			ARO ELECTIVE 4	
					ECE 231/ ECE 251L 4			ARO 357 1	ARO 404 3	ARO 405 4	ARO ELECTIVE 4	ARO ELECTIVE 4	
				ME 214 3	ME 215 4		ME 301 4		ARO 322/ ARO 322L 4	ARO 461 2	ARO 462 2		
	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 351 1	ARO 352 1			
	COM 204 4		PSY 201 4	ARO 127/ ARO 127L 2				ARO 329 3		ARO ELECTIVE 4	AREA 2c 3		
	CHM 121/ CHM 121L 4	ENG 105 4				AREA 3a 4			ARO 309 3	ARO 406 4	MTE 207 3		
<b>IGE</b>	IGE 120 4	IGE 121 4	IGE 122 4	IGE 220 4	IGE 221 4	IGE 222 4	IGE 223 4	IGE 224 4					
<b>GE</b>	ENG 104 4	PHL 201 4	AREA 3c 4	PLS/ SOC 390 4	EC 202 4	HST 202 4	PLS 201 4	AREA 5 (LISTED) 4				EGR 402 4	
<b>UNITS</b>	17	17	17	17	16	17	18	18	19	18	14	14	<b>TOTAL</b> 202