

FALL:
CEA Madrid, Spain
CEA Paris, France

SUMMER:
TECNUN, Spain
Cal Poly Affiliated Program

SUMMER:
TECNUN, Spain
Munich, Germany
Cal Poly Affiliated Program

Updated 6/14/2017

FRESHMAN				SOPHOMORE				JUNIOR				SENIOR		
Fall	Winter	Spring		Fall	Winter	Spring		Fall	Winter	Spring		Fall	Winter	Spring
Aerospace Fundamentals AERO 121 (2)	General Physics PHYS 131 (4)* or 141 (4)* [Add'l Area B]	General Physics II PHYS 132 (4) (PHYS 131, HNRS 131, or PHYS 141)	Introduction to Aerospace Design AERO 215 (2) (AERO 121, MATH 143, IME 144, Recom: CSC 111)	Mechanics of Materials I CE 204 (3) (ME 211)	Mechanics of Materials II CE 207 (2) (CE 204)	Aerospace Fluid Mechanics AERO 302 (4) (ME 212: AERO 3001; Rec: AERO 215: 299 or 301)	Aerospace Structural Analysis I AERO 331 (4) (AERO 300, CE 207, ME 212)	Aerospace Structural Analysis II AERO 431 (4) (AERO 331)	Experimental Stress Analysis AERO 433 (1) (AERO 331, 431)	Aerospace Systems Senior Laboratory AERO 465 (1) (AERO 303, 320, 431, Sr standing)				
Calculus I MATH 141 (4) * [B1]	Calculus II MATH 142 (4) (MATH 141 w/min C-) [B1]	Calculus III MATH 143 (4) (MATH 142 w/min C-) [Add'l Area B]	Calculus IV MATH 241 (4) (MATH 143)	Aerospace Systems Engineering & Integration AERO 220 (1) (AERO 121)	Aerospace Engineering Analysis AERO 300 (5) (AERO 215, MATH 244, ME 211, PHYS 133)	Fundamentals of Dynamics and Control AERO 320 (4) (AERO 300, ME 212)	Aerospace Gas Dynamics and Heat Transfer AERO 303 (4) (AERO 299 or 301: 302)	Concentration (2)	Aerospace Engineering Professional Preparation AERO 460 (1) (Sr standing)	Concentration (4)	Concentration (3)	Concentration (4)	Concentration (3)	Concentration (3)
Introduction to Design & Manufacturing IME 144 (4) (Recom: IME 140 or ME 129)			General Physics III PHYS 133 (4) (PHYS 131 or 141, or HNRS 131; MATH 142; Recom: MATH 241)	Materials Engineering MATE 210 (3) (CHEM 111, 124, or 127; Recom: concur MATE 215)	Aerospace Thermodynamics AERO 299 (4) (ME 212: AERO 3001; Recom: AERO 215)	Experimental Sensors, Actuators & Control AERO 321 (1) (AERO 3201)	Concentration (4)	Concentration (4)	Concentration (5)	Concentration (3)	Concentration (4)			
	General Chemistry for Physical Science & Engineering I CHEM 124 (4) * [B3/B4]		Engineering Statics ME 211 (3) (MATH 241; PHYS 131 or 141)	Engineering Dynamics ME 212 (3) (MATH 241; ME 211 or ARCE 211)	Electric Circuit Theory & Lab EE 201 (3) (MATH 244, PHYS 133) AND EE 251 (1) (EE 201)	Statistical Methods for Engineers STAT 312 (4) (MATH 142) [B6]		Concentration (4)	Concentration (4)					
	Expository Writing ENGL 133/134 (4)** [A1]		Take concurrently: BIO 213 (2)* AND BMED/BRAE 213 (2)* [B2]	Linear Analysis I MATH 244 (4) (MATH 143)		Concentration (4)	GE (4) **	GE (4) **	GE (4) **	GE (4) **	GE (4) **			GE (4) **
	Oral Communication COMS 101/102 (4)** [A2]													
GE (4) **		GE (4) **												
	Technical Writing for Engineers ENGL 149 (4) (Completion of GE A1 w/min C-) Can be taken anytime between Winter of Freshman and Winter of Sophomore Years													
18	16	16	17	14	15	17	16	18	15			12	15	
												TOTAL: 189		

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SUMMER 1st Yr: Cal Poly Affiliated Program

FALL 2nd Yr: CEA Madrid Engineering: PHYS 133, MATH 244, ME 211, ME 212, MATE 210; GE C1 or C2

CEA Paris, France: Math 241, ME 211; GE C1 or C2, C4

SUMMER 2nd Yr: TECNUN, Spain: GE C1 or C2 and CE Tech Electives (2 units)

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SUMMER 3rd Yr: TECNUN, Spain: GE C1 or C2 and CE Tech Electives (2 units)

Munich, Germany: GE C1 or C2 and Tech Electives (6 units)

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*Please visit the International Center to learn about Cal Poly affiliated programs and the types of courses that can be taken abroad.

Because AERO course are offered once a year, summer programs tend to work the best to stay on track. If you are extending your graduation, meet with an IEP advisor to discuss your options.