



San José State
UNIVERSITY

COLLEGE OF ENGINEERING
Major Form for
Bachelor of Science in **Aerospace Engineering**

Name: Xatzis Kostas Y.
(last) (first) (MI)

Proposed Graduation Date: Spring 2015
Semester Year

Catalog Year for Graduation: 2014 - 2016

Minimum No. of units for the Degree: **120**

Focus Area (*check*) Aircraft Design
Space Transportation & Exploration

Required Courses For Major (55 Units)					Required Courses (Continued)				
Dept.	No.	Title	Units	Grade	Dept.	No.	Title	Units	Grade
1. Engr	10	Intro. to Engineering	3	A	12. AE	160	Aerodynamics I	3	A
2. AE	20	CAD for Aero. Engineers	2	A	13. AE	162	Aerodynamics II	3	
3. AE	30	Comp. Prog. for Aero. Eng	2	A	14. AE	164	Aerothermodynamics	5	
4. Mat E	25	Intro. to Materials	3	B	15. AE	165	Aero. Flight Mechanics	3	
5. EE	98	Intro. to Circuit Analysis	3		16. AE	167	Aerospace Propulsion	3	
*EE	77	Get Plugged	5Q	C	17. AE	168	Aero. Vehicle Dyn. & Contr	3	
6. Engr	100W	Engineering Reports	3	C	18. AE	169	Comp. Fluid Dynamics	3	
7. ME	101	Dynamics	3	A	Capstone Courses (8 Units)				
8. AE	412	Aero. Structural Anal. I	4		19. AE	171A	Aircraft Design I	3	
CE	99	Statics	2	A+	20. Engr	195A	Glo. & Soc. Issues in Engr.	1	
CE	112	Mechanics of Materials	3	B-	21. AE	171B	Aircraft Design II	3	
9. AE	114	Aero. Structural Anal. II	3	A+	22. Engr	195B	Glo. & Soc. Issues in Engr.	1	
10. AE	140	Rigid Body Dyn.	3	A	Technical Elective (3 Units)				
11. AE	157	Aero. Auto.Cont. Sys. Des	3	B-	23. AE	110	Space Systems Engr.	3	

*Course taken at Heavenly Valley CC

**Course taken at MIT

Courses Required in Preparation for the Major (33 Units)									
Dept.	No.	Title	Units	Grade	Dept.	No.	Title	Units	Grade
24. Chem	1A	Chemistry for Engineers	5	A	29. Math	433A	Ordinary Differential Eqs.	3	
25. Math	30	Calculus I	3		*Math	1A	Extraordinary Differential Eqs.	5Q	C-
*Math	1A	Using worms 2 calc. areas	5Q	B	30. Phys	50	Univ. Physics: Mechanics	4	A-
26. Math	31	Calculus II	4	C	31. Phys	51	Univ. Physics: Elect. & Ma	4	B-
27. Math	32	Calculus III	3	A-	32. Phys	52	UPhys.: Waves, Light & He	4	C-
28. Math	129A	Linear Algebra I	3	B-					

To qualify for a baccalaureate degree in Aerospace Engineering, a student must receive a grade of 'C-' or better in all courses required for the program (Major and Technical Electives) and earn a cumulative grade point average of at least "C" (2.0) in each one of the following categories: all college work (the overall average), all units attempted at SJSU, all units in the major, and all units in a minor (if any).

AE Department Chair Date