Instructions for filling out your Major Form

1. If you did not take any of the courses listed, cross it out and type underneath the course number and title of the replacement course you took elsewhere. Place an asterisk next to this course on your Major Form and indicate in the appropriate area the school that this asterisk represents (e.g. *DeAnza College)
2. If you took courses at more than one institution other than SJSU, indicate with one, two, three, or more asterisks as necessary, each school where you took courses. (e.g. *DeAnza College, **Foothill College, ***MIT, ****SJCC, etc.)
3. You cannot list the same course twice on your Major Form.
4. When substituting courses from other schools, the minimum number of units in each category must be met, i.e.
    a. 33 units minimum in the ***Preparation for the Major***
        i. For example, if you took 3 physics courses with the same content as Phys50, 51, and 52 but were only 3 units each, you are short 3 units in physics as well as in the Preparation for the Major category.
    b. 58 units minimum in ***Required Courses for Major***
    c. 8 units of ***Capstone Courses***
    d. 3 units of (upper division) ***Technical Elective***
5. Engr. 10 satisfies 3 units of lower division engineering coursework + 3 units of GE Area E. If you replace Engr10 w. an upper division elective (e.g. AE166), make sure you satisfy GE Area E with a different (separate) course from the list provided on the SJSU Catalogue.
6. Do NOT put “I” (incomplete), “IP” (in-progress), or “F21” (Fall 2021) in the space provided for a course grade. Leave this space blank if you have not yet taken this course.
7. Your **SJSU Catalog Year** must correspond to one of 3 choices: (a) the year you are submitting your Major Form (graduating year) or (b) the year you transfer to SJSU or (c) the year you started your coursework in preparation for your major at a community college, if and only if your enrollment has been continuous.
8. Type your coursework on the Major Form – no handwritten copies will be accepted.

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: 2018

Minimum No. of units for the Degree: 120

Focus Area (***check*** Aircraft Design

Space Transportation & Exploration

Required Courses For Major (58 Units)					Required Courses (Continued)				
Dept.	No.	Title	Units	Grade	Dept.	No.	Title	Units	Grade
1. English	1B	Argument & Analysis	3	A	12. AE	160	Aerodynamics I	3	A
2. Engr.	10	Intro. to Engineering	2	A	13. AE	162	Aerodynamics II	3	
3. AE	20	CAD for Aero. Engineers	2	A	14. AE	164	Aerothermodynamics	5	
4. AE	30	Comp. Prog. for Aero. Eng	3	B	15. AE	165	Aero. Flight Mechanics	3	
5. Mat E	~~25~~	~~Intro. to Materials~~	~~3~~		~~16. AE~~	~~167~~	~~Aerospace Propulsion~~	~~3~~	
**Engr.	66	Properties of Materials	5	C	**ME	188	Propulsion Systems	3	A-
6. EE	~~98~~	~~Intro. to Circuit Analysis~~	~~3~~		17. AE	168	Aero. Vehicle Dyn. & Contr	3	
*EE	77	Get Plugged	4Q	B+					
7. Engr	100W	Engineering Reports	3	A	18. AE	169	Comp. Fluid Dynamics	3	
8. AE	~~112~~	~~Aero. Structural Anal. I~~	~~4~~		Capstone Courses (8 Units)				
CE	95	Statics	3	A+	19. AE	171A	Aircraft Design I	3	
CE	112	Strength of Materials	3	B-					
					20. Engr	195 A	Glo. & Soc. Issues in Engr.	1	
9. AE	114	Aero. Structural Anal. II	3	A	21. AE	171B	Aircraft Design II	3	
10. AE	138	Vector-Based Dynamics	3	B-	22. Engr	195 B	Glo. & Soc. Issues in Engr.	1	
11. AE	140	Rigid Body Dynamics			Technical Elective (3 Units)				
12. AE	157	Aero. Auto.Cont. Sys. Des	3	C	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
25. Chem	1A	Chemistry for Engineers	5	A	30. Math	~~133A~~	~~Ordinary Differential Eqs.~~	~~3~~	
					*Math	1A	Extraordinary Differential Eqs.	5Q	C-
~~26. Math~~	~~30~~	~~Calculus I~~	~~3~~		31. Phys	50	Univ. Physics: Mechanics	4	A-
		AP Calc BC		CR					
27. Math	31	Calculus II	4	C	32. Phys	51	Univ. Physics: Elect. & Ma	4	B-
28. Math	32	Calculus III	3	A-	33. Phys	52	UPhys.: Waves, Light & He	4	C-
29. 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 Major (all courses showing on this Form) AND earn a cumulative grade point average of at least "C" (2.0) in each one of the following 4 categories:

1. All college work (Overall GPA)

2. All units attempted at SJSU (SJSU GPA)

3. All units in the major (Major GPA)

4. All units in a minor, if any (Minor GPA).

_____

AE Department Chair *Date*