

# Mechanical Engineering Undergraduate Advising Form

San Jose State University

Name

SJSU ID

Email Address

Date

Currently Enrolled Semester \_\_\_\_\_ Year \_\_\_\_\_

Class	Description	Units
Total:		

Estimated current overall SJSU GPA: \_\_\_\_\_

Job or other fixed-obligation hours/week: \_\_\_\_\_

Recommended minimum hours dedicated to academics:  
 16 units: 54 hr/wk    12 units: 40 hr/wk    6 units: 20 hr/wk

Plan for Upcoming Semester \_\_\_\_\_ Year \_\_\_\_\_

Class	Description	Units
Total:		

Student Signature \_\_\_\_\_

Advisor Signature \_\_\_\_\_

Optional Look-Ahead Semester \_\_\_\_\_ Year \_\_\_\_\_

Class	Description	Units
Total:		

✓ BSME requirements by timing priority	Units	Prerequisites (see SJSU Catalog for most current and accurate details)	Is a prerequisite or corequisite for...
<a href="#">MATH 030</a> Calculus I	3	See <a href="http://info.sjsu.edu/web-dbgen/catalog/courses/MATH030.html">http://info.sjsu.edu/web-dbgen/catalog/courses/MATH030.html</a>	Math 31, Phys 50
<a href="#">MATH 031</a> Calculus II	4	MATH 030 or MATH 030P (with "C-" or better).	Math 32, Phys 51, CE 95, MatE 25
<a href="#">PHYS 050</a> Mechanics	4	3 or better on AP Calc Test or 'C' or better in Math 30 or Math 30P.	Phys 51, CE 95, MatE 25
<a href="#">MATH 032</a> Calculus III	3	MATH 31 (with "C-" or better).	Math 133A, ME 101, ME 111, ME 113
<a href="#">PHYS 051</a> Electricity and Magnetism	4	PHYS 050, MATH 031, both with grades of "C" or better.	Phys 52, EE 98
<a href="#">ENGR 010</a> Intro to Engineering	3	Eligible for MATH 019 or ENGL 001A. Math remediation completed.	ME 20, EE 98
<a href="#">CHEM 001A</a> General Chemistry	5	See <a href="http://info.sjsu.edu/web-dbgen/catalog/courses/CHEM001A.html">http://info.sjsu.edu/web-dbgen/catalog/courses/CHEM001A.html</a>	MatE 25 (also note 5-unit workload)
<a href="#">CE 095</a> Statics	3	MATH 031, PHYS 050.	CE 112, ME 101, ME 111
<a href="#">MATH 133A</a> Ord. Diff. Eqns.	3	MATH 32 (with "C-" or better).	EE 98, CE 112, ME 114, ME 130
<a href="#">PHYS 052</a> Heat and Light	4	PHYS 051 and Math 31 both with grade of "C" or better.	ME 113
<a href="#">ME 020</a> Design and Graphics	2	Coreq: ENGR 10.	ME 41, ME 154
<a href="#">MATE 025</a> Introduction to Materials	3	CHEM 001A; PHYS 050; MATH 031.	ME 154
<a href="#">ME 030</a> Computer Applications	2	(None)	ME 106
<a href="#">EE 098</a> Intro to Circuit Analysis	3	ENGR 10 and Phys 51 with a C or better. Coreq: MATH 133A or MATH 123.	ME 106
<a href="#">CE 112</a> Mechanics of Materials*	3	CE 95 or CE 99, Math 133A	ME 120, ME 154
<a href="#">ME 101</a> Dynamics*	3	CE 95 or CE 99 and MATH 032 (with "C-" or better in each).	ME 130, ME 154
<a href="#">ME 113</a> Thermodynamics*	4	PHYS 070 or PHYS 052, and MATH 032 (with 'C-' or better in each).	ME 114, ME 130
<a href="#">ME 041</a> Machine Shop Safety	1	ME 020, TECH 020, CE 020 or equivalent.	ME 154
<a href="#">ME 111</a> Fluid Mechanics**	3	CE 95 or CE 99 and MATH 032 (with "C-" or better in each).	ME 130, ME 120, ME 182
<a href="#">ME 130</a> Applied Engr. Analysis**	3	MATH 133A, ME 101 and ME 113 (with 'C-' or better in each). Coreq: ME 111.	ME 120, ME 147, ME 157
<a href="#">ME 154</a> Mech. Engr. Design**	4	ME101, ME20, CE112, MatE 25, all with a C- or better. Coreq: ME 41.	ME 195A, ME 157
<a href="#">ME 114</a> Heat Transfer**	3	MATH 133A or MATH 123, and ME 113 (with 'C-' or better in each).	ME 115, ME 195A, ME 182
<a href="#">ENGR 100W</a> Engineering Reports**	3	ENGL 1B (with C or better); Completion of Core GE, satisfaction of WST.	ME 120, ME 195A, Engr 195A
<a href="#">ME 106</a> Fund. of Mechatronics	3	EE 098 and ME 030 (with 'C-' or better in each).	ME 190 (but not ME 157 or ME 182)
<a href="#">ME 120</a> Experimental Methods	2	CE 112, ME 111, ENGR 100W (with a grade of 'C-' or better). Coreq: ME 130.	ME 195A
<a href="#">ME 115</a> Thermal Engr. Lab	1	Coreq: ME 114.	(none, but synergistic near ME 114)
<a href="#">ME 195A</a> Senior Design Project I	3	ME 114, ME 154 and ENGR 100W (with 'C-' or better in each). Coreq: ME 120.	ME 195B, Engr 195A
<a href="#">ME 147</a> Dyn. Syst. Vib. and Control	3	ME 130 (with 'C-' or better).	ME 190
<a href="#">ME 157</a> Mechanical System Design	3	ME 154, ME 130 with a grade of th 'C-' or better. Coreq: ME 110.	(none)
<a href="#">ME 190</a> Mechatronics Syst. Design	3	ME 106 (with 'C-' or better). Coreq: ME 147.	(none)
<a href="#">ME 182</a> Thermal Systems Design	3	ME 114, and either ME 111 or AE 160 (with 'C-' or better in each).	(none)
<a href="#">ENGR 195A</a> Global and Societal Issues	1	ENGR 100W with a C or better and co-enrollment in ME 195A.	Engr 195B
<a href="#">ME 195B</a> Senior Design Project II	3	ME 195A with a C- or better.	Engr 195B
<a href="#">ENGR 195B</a> Global and Societal Issues	1	ENGR 195A (with "C" or better) and co-enrollment in ME 195B.	(none)

\* At least 2 years remaining from the start of these classes. \*\* Must be completed prior to senior project year (ME 195 A/B). In addition, two technical electives (not shown) are required.

Core GE for all BSME students		Units	Notes
<a href="#">Engl 1A</a>	First Year Writing	3	Satisfies GE Area A2
<a href="#">Engl 1B</a>	Argument and Analysis	3	Satisfies GE Area C2
<a href="#">GE Area A1</a>	(Oral Communication)	3	e.g., COMM 20 or COMM 40

Core GE under AMS option		Units	Notes
<a href="#">AMS 1A</a>	American Civilization	6	AMS 1A/1B sequence satisfies C1, C2; D2, D3; US1,2,3
<a href="#">AMS 1B</a>	American Civilization	6	AMS 1A/1B sequence also exempts D1 for ME majors

Core GE under non-AMS option		Units	Notes
<a href="#">GE Area C1</a>	(Arts)	3	
<a href="#">GE Area C</a>	(Arts and Letters)	3	Another C1 or C2 course is required in addition to C1 and Engl 1B
<a href="#">GE Area D1</a>	(Human Behavior)	3	Not required if taking AMS 1A/1B
<a href="#">GE Area D2</a>	(Comparative Systems)	3	D2, D3 satisfied by HIST 15A/15B, AAS 33A/33B, AFAM 2A/2B, MAS 10A/10B
<a href="#">GE Area D3</a>	(Social Issues)	3	HIST 15A/15B, AAS 33A/33B, AFAM 2A/2B, MAS 10A/10B also cover US1,2,3

Comments: