

## Five-Year Plan for a ME Undergraduate Degree

<b>Year One</b>			
<b>Fall</b>	<b>Units</b>	<b>Spring</b>	<b>Units</b>
MATH 30 Calculus I	3	MATH 31 Calculus II	4
ENGR 10 Into to Engineering	3	PHYS 50 Gen. Phys/Mech.	4
ENGL 1A Composition I	3	ME 20 Design & Graphics	2
CHEM 1A General Chemistry	5	ENGL 1B Composition II*	3
	14		13

<b>Year Two</b>			
<b>Fall</b>	<b>Units</b>	<b>Spring</b>	<b>Units</b>
MATH 32 Calculus III	3	MATH 133A Diff. Equations	3
PHYS 51 Gen. Phys/Elec. Mag.	4	PHYS 52 Gen. Phys/Heat & Light	4
ME 30 Computer Applications	2	CE 95 Statics	3
General Education (A1)	3	EE 98 Intro. to Circuit Analysis	3
	12		13

<b>Year Three</b>			
<b>Fall</b>	<b>Units</b>	<b>Spring</b>	<b>Units</b>
MATE 25 Intro. to Materials	3		
CE 112 Mechanics of Materials	3	ME 113 Thermodynamics	4
AMS 1a or General Education C1,D2**	6	ME 101 Dynamics	3
ME/Tech 41 Shop Safety	1	AMS 1b or General Ed. C2,D3	6
	13		13

<b>Year Four</b>			
<b>Fall</b>	<b>Units</b>	<b>Spring</b>	<b>Units</b>
ME 130 Applied Engr. Analysis	3	ME 154 Mechanical Engr. Design	4
ME 114 Heat Transfer	3	ME 120 Experimental Methods	2
ME 115 Thermal Engr. Lab	1	ME 106 Fund. of Mechatronics	3
ME 111 Fluid Mechanics	3	ME 147 Dyn. Sys. Vibs. & Cont.	3
ENGR 100W Engr. Reports	3		12
	13		

<b>Year Five</b>			
<b>Fall</b>	<b>Units</b>	<b>Spring</b>	<b>Units</b>
ME 195A Senior Design Proj. I	3	ME 195B Senior Design Proj. II	3
Capstone (ME 157, 182, or 190)	3	Technical Elective #2	3
Technical Elective #1	3	Engr 195B (SJSU Studies S/V)	1
Engr 195A (SJSU Studies S/V)	1		7
	10		

\* Take WST upon completion of ENGL 1B

\*\* American Studies 1A and 1B satisfy C1, C2, D1, D2, and D3; or choose D2/D3 courses to double count for F1, 2, and 3 areas. Add D1 if you do not take AMS 1a, 1b.