

Mechanical Engineering Technology

California State University College Of Engineering and Computer Science

Total Units: 131

Freshman Year		Sophomore Year		Junior Year		Senior Year	
1st Semester (Fall) 17 Units	2nd Semester (Spring) 18 Units	1st Semester (Fall) 19 Units	2nd Semester (Spring) 18 Units	1st Semester (Fall) 15 Units	2nd Semester (Spring) 14 Units	1st Semester (Fall) 16 Units	2nd Semester (Spring) 14 Units
Math ^{A1} <u>Elective</u>	Math 26A (3) ^{A2}	Math 26B (3) ^{A3} A2	Statistics 1 (3) ^{A4}	MET 173 (3) ^{A5} C3	MET 111 (3) ^{A6} A5, C3	Engr 194 (1) ^{A7} Sr. Status	Tech Elective ^{A8} (3)
Chem 6A (5) ^{B1}	Physics 5A (4) ^{B2}	Physics 5B (4) ^{B3} B2	ENGR 45 (3) ^{B4} B1, B2	MET 150 (3) ^{B5} B3, C3	MET 112 (3) ^{B6} A5, B4, C3	MET 166 (3) ^{B7} B6, C5	MET 165 (3) ^{B8} A6, C5
ENGR 6 (3) ^{C1}	Engr 7 (3) ^{C2} C1	MET 30 (3) ^{C3} A2,A3,B2, C1	ME 37 (3) ^{C4}	MET 164 (3) ^{C5} C1	MET 140 (3) ^{C6} A5, D5	MET 190 (3) ^{C7} B7, C4, D7, WPE	MET 191(2) ^{C8} C7
English 1A (3) ^{D1}	CSC 22 (3) ^{D2}	Biology (3) ^{D3}	English 20 (3) ^{D4}	MET 141 (3) ^{D5} B2, C3	MET 151(3) ^{D6} A5, D5, C6	MET 142 (3) ^{D7} D5, C6	MET 178 (3) ^{D8} C4
U.S. History (3) ^{E1}	COMS 4 Public Speaking (3) ^{E2}	Indiv/ Society (3) ^{E3}	U.S. Gov (3) ^{E4}	GE Elective (3) ^{E5}	ENGR 140 (3) ^{E6} C3	Tech Elective (3) ^{E7}	GE Elective (3) ^{E8}
	Arts/ Humanities (3) ^{F2}	Arts/ Humanities (3) ^{F3}	Arts/ Humanities (3) ^{F4}	WPE Test ^{F5}		Tech or Business Elective (3) ^{F7}	

***The course sequence shown insures all prerequisites are completed prior to taking each course.**

Courses may be interchanged among semesters to accommodate the students schedule as long as the prerequisite requirements are observed.

***Prerequisites are listed in blue.**

***Co-requisites are listed in green.**

MET Course Titles

Chem 6A	General Chemistry	MET 164	Prod. Des. & Eng. GR
ENGR 6	ENGR Graphics and CADD	MET 141	Fluid Mech
English 1A	Composition	GE Elective	
U.S.History		WPE Test	
Math 26A	Calculus 1	MET 111	Dynamics
Physics 5A	Mechanics Heat	MET 112	Strenght Materials
Engr 7	3D CADD & Solid Modeling	MET 140	Thermodynamics
CSC 22	Visual Basic Programming	MET 151	Measurement
COMS 4	Public Speaking	ENGR 140	Engr Econ
Arts/Humanities		Engr 194	Career Dev
Math 26B	Calculus II	MET 166	Machinery Design
Physics 5B	Elec & Magnet	MET 190	Senior Project 1
MET 30	Statics	MET 142	Adv Thermo
Biology	Science	Tech Elective	See chart below
Indiv/ Society		Tech Elective	See chart below
Arts/Humanities		Tech Elective	See chart below
Statistics 1	Statistics	MET 165	Kinematics
ENGR 45	Engineering Materials	MET 191	Senior Project II
ME 37	Manufacturing Processes	MET 178	Aided Mfg
English 20	Expository Writing	GE Elective	
U.S. Gov	Government		
Arts/Humanities			
MET 173	Computer Application		
MET 150	Elec. Circ/Equip		

Technical Electives	
MET 170	Parametric Solid Modeling (MET 164)
MET 172	Applied Computer Aided Design (MET 112, MET 170)
MET 199	Special Problem
ME 136	Numerical Control Programming (ME 37, ME 175 or MET 173)
ME 138	Concurrent Product-Process Design (ME 118 or MET 164)
ME 143	Vehicle Design
ME 153	Thermodynamics of Combustion Engines (ME 175, ENGR 124, ENGR 132; or MET 140, MET 141, MET 173)
ME 156	Heating and Air Conditioning Systems (ENGR 6, ME 115 or MET 116, ME 175 or MET 173)
ME 176	Product Design and Pro/Engineer ENGR 6, ME 115, or MET 166, ME 175 or MET 173

Business Elective	
OBE 118	Legal Environment of Business
OBE 130	Business Communications
OBE 150	The Management of Contemporary Organizations
OBE 153	Management of Human Resources
OBE 157	Industrial Relations
MGMT 120	Principles of Marketing
MGMT 133	Business Finance
MGMT 180	Production and Operations Management

** Select from these electives or other Business Administration courses approved by the MET advisor*

** Prerequisites are listed in parenthesis*