

ENGINEERING

MECHANICAL ENGINEERING

(72 units engineering; 128 units total)

FIRST SEMESTER		Units	SECOND SEMESTER		Units
Engr 26	Engineering Graphics.....	3	Engr 70	FORTAN IV Programming	2
Math 75	Mathematical Analysis I	4	Math 76	Mathematical Analysis II.....	4
Chem 1A	General Chem & Qualitative Analysis.....	5	*Chem 8	Elementary Organic Chemistry	3
Engl 1	Composition	3	Phys 5A	Principles of Physics I.....	5
		15	Humanities	See ²	3
					17
THIRD SEMESTER			FOURTH SEMESTER		
Engr 31	Engineering Materials.....	3	M E 11, L	Manufacturing Processes	3
Hist 11/12	American History.....	3	Engr 20	Engineering Mechanics: Statics	3
Math 77	Mathematical Analysis III	4	Math 81	Applied Analysis.....	4
Phys 5B	Principles of Physics II	5	Soc Sci	See ³	3
Soc Sci	See ³	3	PI Si 2	American Govt and Institutions	3
		18			16
FIFTH SEMESTER			SIXTH SEMESTER		
Engr 112	Engineering Mechanics: Dynamics	3	M E 131	Advanced Engineering Materials	3
Engr 116	Fluid Mechanics.....	3	M E 134	Dynamics in Machine Design	3
M E 117	Instrumentation & Fluid Laboratory.....	2	Engr 136, L	Thermodynamics	4
Engr 121	Mechanics of Materials.....	3	Engr 90, L	Principles of Electrical Circuits.....	4
Humanities	See ²	3	Engr 122	Advanced Mechanics of Materials	3
		14			17
SEVENTH SEMESTER			EIGHTH SEMESTER		
M E 154	Design of Machine Elements	3	M E 180	Senior Project.....	1
M E 156, L	Adv Thermodynamics-Fluid Mechanics	4	Engr 160	Engineering Economy	2
E E 121, L	Electromechanical Systems & Energy Conversion	4	Engr 182W	Engineering Writing	2
App Elect	See ¹	6	App Elect	See ¹	8
		17	Gen Ed	Area 2, 3 or 4.....	1
					14

¹ Approved Electives: Select at least 6 units from each of the following groups: Group A: E E 155; IE 110; M E 137, 142, 166; Group B: Engr 161, 173; M E 143, 146, 146L, 151, 164.

² Humanities: Select from Art 1, Art H 10, 20; Drama 1, 62; Engl 30; Hist 1, 2; Phil 1.

³ Social Sciences: Select from Anth 2, 3; Econ 1A, 1B; Geog 3, 4; Hist 4; PI Si 1; Psych 134.

* or Chem 1B.