

FIFTH SEMESTER

I E 110	Statistical Anal & Control	3
I E 111	Methods Analysis	2
Engr 112	Engineering Mechanics: Dynamics	3
Engr 116,L	Thermodynamics-Fluid Mechanics A.....	4
Acct 4A	Fin & Managerial Acct Prin & Syst	3
		15

SEVENTH SEMESTER

I E 112, L	Statistical Design of Experiments	4
Engr 160	Engineering Economy	2
E E 121, L	Electromechanical Systems & Energy or, E E 128 Electronic Devices & Circuits	4/3
App Elect	See ¹	5/6
Humanities	See ²	3
		18

SIXTH SEMESTER

I E 114	Facilities Engineering	2
Engr 121, L	Mechanics of Materials	4
Engr 110, L	Principles of Electrical Circuits.....	4
Engr 136, L	Thermodynamics-Fluid Mechanics B.....	4
Acct 4B	Fin & Managerial Acct Prin & Systems	3
		17

EIGHTH SEMESTER

I E 113	Operations Analysis	3
I E 180	Senior Project	1
Engr 182	Engineering Writing	1
App Elect	See ¹	5
Humanities	See ²	3
Nat/Soc Sci	See ³	4
		17

¹ Approved Electives: Select from I E 116, 118, 120, 190, 191T, 193; Engr 161, 173, 122; M E 134; Mgt 110A-B; Math 107.

² Humanities: Select from Art 5, 6; Drama 62, 184; Engl 20, 50T; Hist 1, 2, 110, 111, 112, 121, 125, 126.

³ Natural or Social Science: Select from Psych 10, 134.

⁴ General Electives: May be approved electives.

MECHANICAL ENGINEERING

(70 units engineering; 128 units total)

FIRST SEMESTER

		<i>Units</i>
Engr 26	Engineering Graphics	4
Math 75	Mathematical Analysis I.....	4
Chem 1A	General Chem & Qualitative Analysis ..	5
Engl 1	Composition	3
		16

SECOND SEMESTER

		<i>Units</i>
Engr 70	FORTRAN IV Programming	2
Math 76	Mathematical Analysis II.....	4
Chem 8	Elementary Organic Chemistry	3
Phys 4A	Mechanics and Wave Motion.....	4
Humanities	See ²	3
		16

THIRD SEMESTER

Engr 20	Engineering Mechanics: Statics	3
Hist 11/12	American History	3
Math 77	Mathematical Analysis III	4
Phys 4B	Electricity, Magnetism, Heat	4
Soc Sci	See ²	3
		17

FOURTH SEMESTER

M E 11, L	Manufacturing Processes	3
Engr 31	Engineering Materials	2
Math 81	Applied Analysis	4
Phys 4C	Light and Modern Physics	4
Pl Si 2	American Govt and Institutions	3
		16

FIFTH SEMESTER

Engr 112	Engineering Mechanics: Dynamics	3
Engr 116	Thermodynamics-Fluid Mechanics A.....	3
M E 117	Instrumentation & Fluid Laboratory.....	2
Engr 121	Mechanics of Materials	3
Humanities	See ²	3
		14

SIXTH SEMESTER

M E 131	Advanced Engineering Materials	3
M E 134	Dynamics in Machine Design	3
Engr 136, L	Thermodynamics-Fluid Mechanics B.....	4
Engr 110, L	Principles of Electrical Circuits.....	4
App Elect	See ¹	3
		17

SEVENTH SEMESTER

M E 154	Design of Machine Elements.....	3
M E 156, L	Adv Thermodynamics-Fluid Mechanics	4
E E 121, L	Electromechanical Systems & Energy Conversion	4
App Elect	See ¹	6
		17

EIGHTH SEMESTER

M E 180	Senior Project.....	1
Engr 160	Engineering Economy	2
Engr 182	Engineering Writing	1
App Elect	See ¹	4
Soc Sci	See ³	3
Engr Elect	See ⁴	3
Gen Ed	(any area)	1
		15

¹ Approved Electives: Select at least one course from each of the following groups: **Group 1:** M E 137, 146, 146L; **Group 2:** Engr 122; M E 142, 164; **Group 3:** M E 143, 151; Engr 173.

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; Pl Si 1, 5, 6; Psych 134.

⁴ Upper division.