



323

INDUSTRIAL ENGINEERING

(65 units engineering; 132 units total)

FIRST SEMESTER

		Units
Engr 26	Engineering Graphics.....	3
IE 75	Introduction to Industrial Engrng.....	1
Math 75	Mathematical Analysis I.....	4
Chem 1A	General Chem & Qualitative Analysis.....	5
Hist 11/12	American History.....	3
		<hr/> 16

SECOND SEMESTER

		Units
Engr 70	FORTRAN IV Programming.....	2
M E 11, L	Manufacturing Processes.....	3
Math 76	Mathematical Analysis II.....	4
*Chem 8	Elementary Organic Chemistry.....	3
Phys 5A	Principles of Physics I.....	5
		<hr/> 17

THIRD SEMESTER

		Units
Engr 20	Engineering Mechanics: Statics.....	3
Engr 31	Engineering Materials.....	3
Math 77	Mathematical Analysis III.....	4
Phys 5B	Principles of Physics II.....	5
Econ 1A	Principles of Economics.....	3
		<hr/> 18

FOURTH SEMESTER

		Units
Pl St 2	American Govt and Institutions.....	3
Mgt 110A	Adm and Org Behavior.....	3
Math 81	Applied Analysis.....	4
Acct 4A	Financial and Managerial Accounting Principles and Systems.....	3
Engl 1	Composition.....	3
		<hr/> 16

FIFTH SEMESTER

		Units
I E 110	Statistical Anal & Control.....	3
I E 111	Work Measurement.....	2
Engr 112	Engineering Mechanics: Dynamics.....	3
Engr 116, L	Fluid Mechanics.....	4
Approved Elective See ¹		3
Engr 160	Engineering Econ.....	2
		<hr/> 17

SIXTH SEMESTER

		Units
I E 114	Facilities Engineering.....	2
Engr 121, L	Mechanics of Materials.....	4
Engr 110, L	Principles of Electrical Circuits.....	4
Engr 136	Thermodynamics.....	3
Approved Elect See ¹		3
		<hr/> 16

SEVENTH SEMESTER

		Units
I E 112	Statistical Design of Experiments.....	3
I E 113	Operations Analysis.....	3
I E 120	Systems Safety Engineering.....	3
E E 121, L or, E E 128	Electromechanical Systems & Energy Electronic Devices & Circuits.....	4/3
App Elect	See ¹	1/2
Humanities	See ²	3
		<hr/> 17

EIGHTH SEMESTER

		Units
I E 125	Hum Fact in Engr & Design.....	2
I E 180	Senior Project.....	1
Engr 182W	Engineering Writing.....	2
App Elect	See ¹	3
Humanities	See ²	3
Nat/Soc Sci	See ³	4
		<hr/> 15

¹ Approved Electives: Select from I E 116, 118, 120, 190, 191T, 193; Engr 122, 161, 173; M E 134.

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

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

* or Chem 1B.