



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
	<u>16</u>

THIRD SEMESTER

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
	<u>18</u>

FIFTH SEMESTER

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
	<u>17</u>

SEVENTH SEMESTER

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 Electromechanical Systems & Energy	
or, E E 128 Electronic Devices & Circuits	4/3
App Elect See ¹	1/2
Humanities See ²	3
	<u>17</u>

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
	<u>17</u>

FOURTH SEMESTER

PI Si 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
	<u>16</u>

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 Thermodynamics	3
Approved Elect See ¹	3
	<u>16</u>

EIGHTH SEMESTER

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
	<u>15</u>

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.