

INDUSTRIAL AND MANUFACTURING ENGINEERING STUDY PLAN.

First Semester					
Ser. No.	Course Code	Title	Lecture Hrs.	Units	Corequisite(s)
1	GES101	Math I	4	12	-
2	GES111	English I	3	9	-
3	GES121	Arabic Language	2	6	-
4	GES131	Probability and Engineering Statistics	3	9	-
5	GES141	Engineering Drawing	3	6	-
6	GES151	Engineering Physics	4	12	-
7	GES161	Engineering Physics Lab	3	3	GES151
Total			22	57	-

Second Semester					
Ser. No.	Course Code	Title	Lecture Hrs.	Units	Prerequisite(s)
1	GES102	Math II	4	12	GES101
2	GES112	English II	3	9	GES111
3	GES122	General Chemistry	3	9	-
4	GES132	Computer Languages (C++)	3	9	-
5	GES142	AutoCad	3	6	GES141
6	GES152	Engineering Statics	4	12	GES101, GES151
7	GES162	Communication Skills	2	6	-
Total			22	63	-

Third Semester						
S.No	Course No.	Course Title	Lecture Hrs.	Units	Prerequisite (s)	Corequisite (s)
1	GES201	Differential Equations	4	12	GES102	-
2	GES251	Engineering Dynamics	4	1 2	GES152	-
3	IME201	Applied Statistics	3	9	GES131	-
4	IME211	Workshop Technology	3	6	GES102 , GES142	-
5	MTE231	Materials Engineering	4	1 2	GES122, GES151	-
6	MTE271	Materials Science Lab	3	5	GES122, GES151	MTE2 31
Total			21	56	-	-

Forth Semester						
S. No.	Course No.	Course Title	Lecture Hrs.	Units	Prerequisite (s)	Corequisite (s)
1	GES202	Linear Algebra	4	12	GES102	-
2	IME212	Manufacturing Processes I	3	9	IME211, MTE231	-
3	IME222	Applied Economics for Engineers	4	1 2	GES102	-
4	IME232	Electrical Engineering Fundamentals	3	1 2	GES151	-
5	MTE212	Strength of Materials	3	9	GES152, MTE201	-
6	MTE262	Strength of Materials Lab	3	5	GES152, MTE231	MTE2 12
Total			20	59		

Fifth Semester

S. No.	Course No.	Course Title	Lecture Hrs.	Units	Prerequisite(s)	Corequisite(s)
	GES302	Critical Thinking	2	6		
1	IME311	Manufacturing Processes II	4	12	IME212	-
2	IME321	Quality Control	3	9	GES131, IME222	-
3	IME331	Operations Research	3	9	GES202	-
4	IME341	Product Design and Development	3	9	-	-
5	MTE321	Machine Design	3	9	MTE212	
6	MTE341	Applied Thermo Fluids	3	9	GES151	-
Total			19	57		

Sixth Semester

S.No.	Course No.	Course Title	Lecture Hrs.	Units	Prerequisite(s)	Corequisite(s)
1	GES332	Research Methodology	2	6	GES131	-
2	IME312	Production Management	3	1 2	IME222, IME341	-
3	IME322	Computer Aided Engineering Design	3	9	IME311, IME321 IME341	-
4	IME332	Tools Design	3	9	IME311	-
5	IME342	Automation and Robotics	3	9	IME311	-
6	IME352	Design and Analysis of Experiments	3	9	IME201	
7	IME362	Work Design and Measurement	4	12	IME201	
Total			21	63		

Seventh Semester						
S.No.	Course No.	Course Title	Lecture Hrs	Unit	Prerequisite(s)	Corequisite(s)
1	GES401	Ethics	2	6	-	IME491
2	IME411	Modeling and Simulation	3	9	GES132, IME232, IME372	-
3	IME421	Human Factors Engineering	4	12	IME312, IME362	-
4	IME431	Computer Aided Manufacturing	3	9	IME311, IME322	-
5	IME441	Finite Elements	3	9	IME311, MTE321, MTE341	-
6	IME491	Graduation Project Part I	2	6	GES332	IME411, IME421, IME441
7	IMExxx	Elective I	3	9	-	-
Total			20	60		

Eight Semester						
S.No.	Course No.	Course Title	Lecture Hrs	Unit	Prerequisite(s)	Corequisite(s)
1	IME412	Engineering Management	3	9	IME312, IME352, IME411, IME421	-
2	IME422	Engineering Reliability and Maintenances	3	9	IME312, IME321	-
3	IMEyyy	Elective II	3	9	-	-
4	IMEzzz	Elective III	3	9	-	-
5	IME492	Graduation Project Part II	6	18	IME491	IME412, IME422
Total			18	54		

