Degree Plan

Degree : Bachelor **Faculty :** College of Engineering **Plan hrs :** 166

Semester : 391 **Dept :** Industrial Engineering **Plan Type :** Main

Edition : 4 **Major :** 080201 Industrial Engineering **Gender :** All

Council Session: **Deanship Session:** **Faculty Session:** **Dept Session:**

Council Date: **Deanship Date:** **Faculty Date:** **Dept Date:**

Group : Compulsory (150)

First

code	Course Name	Hr.	requisite	Year.
011ENG-6	Intensive English Program 1	6	-	-
107CHEM-4	General Chemistry	4	-	-
111IC1-2	The Entrance to the Islamic Culture	2	-	-
119MATH-3	Differentiation And Integration -1	3	-	-
201ARAB-2	Arabic Language Skills	2	-	-
Total				17

Second

code	Course Name	Hr.	requisite	Year.
012ENG-6	Intensive English Program 2	6	011ENG-6 - S	-
104-CS-2	Computer Science	2	-	-
112IC1-2	Islamic Culture -2	2	-	-
129PHYS-4	Physics -1	4	-	-
219MATH-3	Differentiation And Integration -2	3	119MATH-3 - S	-
Total				17

Third

code	Course Name	Hr.	requisite	Year.
111-GE-3	Engineering Drawing	3	-	-
113IC1-2	Islamic Culture -3	2	-	-
219PHYS-4	Physics -2	4	129PHYS-4 - S	-
229MATH-3	Differentiation And Integration -3	3	219MATH-3 - S	-
231-IE-3	Probability with Applications	3	-	-
261-IE-2	Introduction to Industrial Engineering	2	-	-
Total				17

Fourth

code	Course Name	Hr.	requisite	Year.
200-IE-2	Data Input and Manipulation	2	-	-
211-GE-2	Learning Skills	2	-	-
212-ME-2	Engineering Mechanics (Statics)	2	-	-
218EE-3	Electric Engineering -1	3	129PHYS-4 - S 219MATH-3 - S	-
221-ME-3	Production Technology and Workshop	3	111-GE-3 - S	-
232-IE-3	Basics of Statistical Methods	3	231-IE-3 - S	-
Total				15

S : Pre-requisits
M : Co-requisits

Degree Plan

Degree : Bachelor **Faculty :** College of Engineering **Plan hrs :** 166

Semester : 391 **Dept :** Industrial Engineering **Plan Type :** Main

Edition : 4 **Major :** 080201 Industrial Engineering **Gender :** All

Council Session: **Deanship Session:** **Faculty Session:** **Dept Session:**

Council Date: **Deanship Date:** **Faculty Date:** **Dept Date:**

Fifth

code	Course Name	Hr.	requisite	Year.
211-ME-3	Material Science	3	129PHYS-4 - S 107CHEM-4 - S	-
221-GE-2	Creativity and Innovation	2	-	-
301NGL-2	Technical Reports Writing	2	012ENG-6 - S	-
311-IE-2	Enginering Economy	2	-	-
313-ME-2	Engineering Mechanics (Dynamics)	2	-	-
329-MATH-3	Linear Algebra	3	-	-
361-IE-2	Applied Statistics in Industrial Engineering	2	232-IE-3 - S	-
Total				16

Sixth

code	Course Name	Hr.	requisite	Year.
114IC1-2	Islamic Culture -4	2	-	-
319MATH-3	Differential Equations	3	219MATH-3 - S	-
321-IE-3	Operations Research I	3	232-IE-3 - S	-
331-IE-3	Simulation Analysis & Design	3	232-IE-3 - S	-
IE400-0	Summer Training	0	-	-
Total				11

Seventh

code	Course Name	Hr.	requisite	Year.
202ARAB-2	Arabic Editing	2	-	-
411-GE-2	Professional Ethics and Practice	2	-	-
420-IE-2	Management Information Systems	2	-	-
431-IE-2	Work Design and Measurement	2	-	-
451-IE-2	Reliability and Maintenance Planning	2	-	-
451-IE-3	Production Planning and Control	3	231-IE-3 - S	-
461-IE-3	Human Factors Engineering	3	-	-
Total				16

Eighth

code	Course Name	Hr.	requisite	Year.
411-IE-2	Engineering Management	2	-	-
419MATH-3	Numerical Methods	3	319MATH-3 - S	-
432-IE-3	Quality Control	3	231-IE-3 - S	-
437-IE-3	Regression and Forecasting	3	232-IE-3 - S	-
452-IE-3	Supply Chain Planning, Design, and Engineering	3	321-IE-3 - S	-
453-IE-2	Product Design and Development	2	-	-
Total				16

S : Pre-requisits
M : Co-requisits

Degree Plan

Degree : Bachelor **Faculty :** College of Engineering **Plan hrs :** 166

Semester : 391 **Dept :** Industrial Engineering **Plan Type :** Main

Edition : 4 **Major :** 080201 Industrial Engineering **Gender :** All

Council Session: **Deanship Session:** **Faculty Session:** **Dept Session:**

Council Date: **Deanship Date:** **Faculty Date:** **Dept Date:**

Ninth

code	Course Name	Hr.	requisite	Year.
511-GE-2	Entrepreneurship and Venture Engineering	2	-	-
521-IE-3	Advanced Operation Research	3	321-IE-3 - S	-
541-IE-3	Supply Chain Modeling and Management	3	-	-
554-IE-2	Senior Design Project-1	2	-	-
566-IE-3	Facilities Planning and Design	3	321-IE-3 - S	-
Total				13

Tenth

code	Course Name	Hr.	requisite	Year.
531-IE-2	Design and Analysis of Experiments	2	232-IE-3 - S	-
544-IE-3	Queuing Systems	3	-	-
551-IE-3	Computer Aided Design and Manufacturing	3	-	-
555-IE-2	Senior Design Project-2	2	554-IE-2 - S	-
564-IE-2	Safety and Environment Engineering	2	-	-
Total				12

S : Pre-requisits
M : Co-requisits

Degree Plan

Degree : Bachelor **Faculty :** College of Engineering **Plan hrs :** 166

Semester : 391 **Dept :** Industrial Engineering **Plan Type :** Main

Edition : 4 **Major :** 080201 Industrial Engineering **Gender :** All

Council Session: **Deanship Session:** **Faculty Session:** **Dept Session:**

Council Date: **Deanship Date:** **Faculty Date:** **Dept Date:**

Group : Elective (2)

code	Course Name	Hr.	requisite	Year.
321-GE-2	Knowledge Management	2	-	-
322-GE-2	Design Thinking	2	-	-
323-GE-2	System Dynamics	2	-	-
Total		6		

S : Pre-requisits
M : Co-requisits

Degree Plan

Degree : Bachelor **Faculty :** College of Engineering **Plan hrs :** 166

Semester : 391 **Dept :** Industrial Engineering **Plan Type :** Main

Edition : 4 **Major :** 080201 Industrial Engineering **Gender :** All

Council Session: **Deanship Session:** **Faculty Session:** **Dept Session:**

Council Date: **Deanship Date:** **Faculty Date:** **Dept Date:**

Group : Elective (3)

code	Course Name	Hr.	requisite	Year.
520-IE-3	Manufacturing Systems Management	3	-	-
542-IE-3	Supply Chains Economics	3	-	-
562-IE-3	Professional and Health Law	3	-	-
565-IE-3	Safety Systems	3	-	-
Total		12		

S : Pre-requisits
M : Co-requisits

Degree Plan

Degree : Bachelor **Faculty :** College of Engineering **Plan hrs :** 166

Semester : 391 **Dept :** Industrial Engineering **Plan Type :** Main

Edition : 4 **Major :** 080201 Industrial Engineering **Gender :** All

Council Session: **Deanship Session:** **Faculty Session:** **Dept Session:**

Council Date: **Deanship Date:** **Faculty Date:** **Dept Date:**

Group : Elective (6)

code	Course Name	Hr.	requisite	Year.
525-IE-3	Fire and Explosion Prevention	3	-	-
526-IE-3	Crisis and Disaster Management	3	-	-
527-IE-3	Occupational Health	3	-	-
534-IE-3	Designing and Improving Energy Systems	3	-	-
539-IE-3	Advanced Stochastic	3	232-IE-3 - S	-
552-IE-3	Advanced Logistics	3	-	-
563-IE-3	Advanced Ergonomics	3	-	-
Total				21

Free Hrs. : 5

S : Pre-requisits
M : Co-requisits

Degree Plan

Degree : Bachelor **Faculty :** College of Engineering **Plan hrs :** 34

Semester : 391 **Dept :** Industrial Engineering **Plan Type :** Prep.

Edition : 2 **Major :** 080201 Industrial Engineering **Gender :** All

Council Session: **Deanship Session:** **Faculty Session:** **Dept Session:**

Council Date: **Deanship Date:** **Faculty Date:** **Dept Date:**

Group : Compulsory (34)

First

code	Course Name	Hr.	requisite	Year.
011ENG-6	Intensive English Program 1	6	-	-
107CHEM-4	General Chemistry	4	-	-
111IC1-2	The Entrance to the Islamic Culture	2	-	-
119MATH-3	Differentiation And Integration -1	3	-	-
201ARAB-2	Arabic Language Skills	2	-	-
Total				17

Second

code	Course Name	Hr.	requisite	Year.
012ENG-6	Intensive English Program 2	6	011ENG-6 - S	-
104-CS-2	Computer Science	2	-	-
112IC1-2	Islamic Culture -2	2	-	-
129PHYS-4	Physics -1	4	-	-
219MATH-3	Differentiation And Integration -2	3	119MATH-3 - S	-
Total				17

S : Pre-requisits
M : Co-requisits

Degree Plan

Degree : Bachelor **Faculty :** College of Engineering **Plan hrs :** 232

Semester : 441 **Dept :** Industrial Engineering **Plan Type :** Main

Edition : 5 **Major :** 080201 Industrial Engineering **Gender :** All

Council Session: **Deanship Session:** **Faculty Session:** **Dept Session:**

Council Date: **Deanship Date:** **Faculty Date:** **Dept Date:**

Group : Compulsory (232)

First

code	Course Name	Hr.	requisite	Year.
011ENG-6	Intensive English Program 1	6	-	-
107CHEM-6	General Chemistry	6	-	-
111GE-4	Engineering Drawing -1	4	-	-
Total				16

Second

code	Course Name	Hr.	requisite	Year.
012ENG-6	Intensive English Program 2	6	011ENG-6 - S	-
111IC1-2	The Entrance to the Islamic Culture	2	-	-
119MATH-5	Differentiation And Integration -1	5	-	-
Total				13

Third

code	Course Name	Hr.	requisite	Year.
101CS-2	Introduction to Computer Science	2	-	-
129MATH-5	Algebra and Geometry	5	-	-
129PHYS-6	Physics -1	6	-	-
Total				13

Fourth

code	Course Name	Hr.	requisite	Year.
201ARAB-2	Arabic Language Skills	2	-	-
212ME-4	Material Science -1	4	-	-
219MATH-5	Differentiation And Integration -2	5	-	-
225ME-5	Strength of Materials & Testing	5	-	-
Total				16

Fifth

code	Course Name	Hr.	requisite	Year.
112IC1-2	Islamic Culture -2	2	-	-
121ME-4	Production Technology And Workshop	4	-	-
223IE-3	Introduction to Industrial Engineering	3	-	-
229MATH-5	Differentiation And Integration -3	5	219MATH-5 - S	-
Total				14

Sixth

code	Course Name	Hr.	requisite	Year.
113IC1-2	Islamic Culture -3	2	-	-
211ME-6	Engineering Mechanics	6	-	-
224ME-4	Engineering Drawing -2	4	121ME-4 - S	-
323IE-5	Industrial Quality Control	5	-	-
Total				17

Seventh

code	Course Name	Hr.	requisite	Year.
202ARAB-2	Arabic Editing	2	-	-
321-IE-5	Operations Research I	5	-	-
324IE-5	Manufacturing Eng. 1	5	121ME-4 - S	-
328ME-5	Fluids And Thermodynamics	5	-	-
Total				17

Eighth

code	Course Name	Hr.	requisite	Year.
114IC1-2	Islamic Culture -4	2	-	-
218EE-4	Electric Engineering -1	4	-	-
301NGL-3	Technical Reports Writing	3	-	-
319MATH-5	Differential Equations	5	219MATH-5 - S	-
Total				14

S : Pre-requisits
M : Co-requisits

Degree Plan

Degree : Bachelor **Faculty :** College of Engineering **Plan hrs :** 232

Semester : 441 **Dept :** Industrial Engineering **Plan Type :** Main

Edition : 5 **Major :** 080201 Industrial Engineering **Gender :** All

Council Session: **Deanship Session:** **Faculty Session:** **Dept Session:**

Council Date: **Deanship Date:** **Faculty Date:** **Dept Date:**

Ninth

code	Course Name	Hr.	requisite	Year.
012CCS-4	Computer Programming 1	4	-	-
312IE-5	Measurement and Instruments	5	121ME-4 - S	-
329STAT-3	Principles of Statistics And Probability	3	-	-
IE400-0	Summer Training	0	-	-
411ME-5	Machine Elements Design -1	5	225ME-5 - S	-
Total				17

Tenth

code	Course Name	Hr.	requisite	Year.
328EE-4	Electric Engineering -2	4	218EE-4 - S	-
413IE-5	Production Planning and Control	5	-	-
423IE-4	Inventory Control & Materials Handling	4	-	-
424IE-3	Engineering Economy	3	-	-
Total				16

Eleventh

code	Course Name	Hr.	requisite	Year.
411IE-5	Modeling and Simulation	5	329STAT-3 - S	-
412IE-5	Manufacturing Eng. 2	5	324IE-5 - S	-
421IE-5	Human Factors Eng.	5	-	-
Total				15

Twelfth

code	Course Name	Hr.	requisite	Year.
414IE-5	Operations Research-2	5	321-IE-5 - S	-
415IE-5	Computer Aided Manufacturing (Cam)	5	324IE-5 - S	-
419MATH-5	Numerical Methods	5	319MATH-5 - S	-
422IE-3	Environment Engineering	3	-	-
Total				18

Thirteenth

code	Course Name	Hr.	requisite	Year.
512IE-3	Industrial Safety	3	422IE-3 - S	-
515IE-4	Automatic Control	4	319MATH-5 - S	-
525IE-3	Design of Experiments	3	329STAT-3 - S	-
591IE-4	Graduation Project*	4	-	-
Total				14

Fourteenth

code	Course Name	Hr.	requisite	Year.
511IE-3	Engineering Reliability & Maintenance	3	-	-
513IE-3	Industrial Operations Analysis	3	412IE-5 - S	-
514IE-3	Industrial Project Management	3	515IE-4 - S	-
521IE-4	Industrial Robots	4	515IE-4 - S	-
Total				13

S : Pre-requisits
M : Co-requisits

Degree Plan

Degree : Bachelor **Faculty :** College of Engineering **Plan hrs :** 232

Semester : 441 **Dept :** Industrial Engineering **Plan Type :** Main

Edition : 5 **Major :** 080201 Industrial Engineering **Gender :** All

Council Session: **Deanship Session:** **Faculty Session:** **Dept Session:**

Council Date: **Deanship Date:** **Faculty Date:** **Dept Date:**

Fifteenth				
code	Course Name	Hr.	requisite	Year.
425IE-5	Facilities Planning	5	321-IE-5 - S	-
516IE-3	Cost Analysis And Value Eng.	3	424IE-3 - S	-
522IE-3	Computer Applications in Industrial Eng.	3	012CCS-4 - S	-
523IE-4	Work Study	4	-	-
524IE-4	Design And Analysis of Industrial System	4	513IE-3 - S	-
Total		19		

S : Pre-requisits
M : Co-requisits

Degree Plan

Degree : Bachelor **Faculty :** College of Engineering **Plan hrs :** 239

Semester : 441 **Dept :** Industrial Engineering **Plan Type :** Main

Edition : 6 **Major :** 080201 Industrial Engineering **Gender :** All

Council Session: **Deanship Session:** **Faculty Session:** **Dept Session:**

Council Date: **Deanship Date:** **Faculty Date:** **Dept Date:**

Group : Compulsory (219)

First

code	Course Name	Hr.	requisite	Year.
011ENG-6	Intensive English Program 1	6	-	-
107CHEM-6	General Chemistry	6	-	-
201ARAB-2	Arabic Language Skills	2	-	-
Total				14

Second

code	Course Name	Hr.	requisite	Year.
012ENG-6	Intensive English Program 2	6	011ENG-6 - S	-
111IC1-2	The Entrance to the Islamic Culture	2	-	-
119MATH-5	Differentiation And Integration -1	5	-	-
Total				13

Third

code	Course Name	Hr.	requisite	Year.
CS102-3	Computer Applications	3	-	-
112IC1-2	Islamic Culture -2	2	-	-
129PHYS-6	Physics -1	6	-	-
219MATH-5	Differentiation And Integration -2	5	119MATH-5 - S	-
Total				16

Fourth

code	Course Name	Hr.	requisite	Year.
219PHYS-6	Physics -2	6	129PHYS-6 - S	-
229MATH-5	Differentiation And Integration -3	5	219MATH-5 - S	-
231IE-4	Probability with Applications	4	-	-
Total				15

Fifth

code	Course Name	Hr.	requisite	Year.
111-GE-4	Engineering Drawing	4	-	-
218EE-4	Electric Engineering -1	4	129PHYS-6 - S 119MATH-5 - S	-
232IE-5	Basics of Statistical Methods	5	231IE-4 - S	-
261-IE-3	Introduction to Industrial Engineering	3	-	-
Total				16

Sixth

code	Course Name	Hr.	requisite	Year.
113IC1-2	Islamic Culture -3	2	-	-
200IE-3	Data Input and Manipulation	3	-	-
211GE-3	Learning Skills	3	-	-
212-ME-3	Engineering Mechanics (Statics)	3	-	-
221ME-4	Production Technology and Workshop	4	111-GE-4 - S	-
Total				15

Seventh

code	Course Name	Hr.	requisite	Year.
221-GE-3	Creativity and Innovation	3	-	-
311-IE-3	Enginering Economy	3	-	-
313ME-3	Engineering Mechanics (Dynamics)	3	-	-
329MATH-4	Linear Algebra	4	-	-
361IE-3	Applied Statistics in Industrial Engineering	3	232IE-5 - S	-
Total				16

Eighth

code	Course Name	Hr.	requisite	Year.
114IC1-2	Islamic Culture -4	2	-	-
301NGL-3	Technical Reports Writing	3	012ENG-6 - S	-
319MATH-5	Differential Equations	5	219MATH-5 - S	-
321-IE-5	Operations Research I	5	232IE-5 - S	-
Total				15

S : Pre-requisits
M : Co-requisits

Degree Plan

Degree : Bachelor **Faculty :** College of Engineering **Plan hrs :** 239

Semester : 441 **Dept :** Industrial Engineering **Plan Type :** Main

Edition : 6 **Major :** 080201 Industrial Engineering **Gender :** All

Council Session: **Deanship Session:** **Faculty Session:** **Dept Session:**

Council Date: **Deanship Date:** **Faculty Date:** **Dept Date:**

Ninth

code	Course Name	Hr.	requisite	Year.
211ME-5	Material Science	5	129PHYS-6 - S 107CHEM-6 - S	-
331IE-5	Simulation Analysis & Design	5	232IE-5 - S	-
IE400-0	Summer Training	0	-	-
Total				10

Tenth

code	Course Name	Hr.	requisite	Year.
202ARAB-2	Arabic Editing	2	-	-
411-IE-3	Engineering Management	3	-	-
411GE-3	Professional Ethics and Practice	3	-	-
420IE-3	Management Information Systems	3	-	-
431-IE-3	Work Design and Measurement	3	-	-
453-IE-3	Product Design and Development	3	-	-
Total				17

Eleventh

code	Course Name	Hr.	requisite	Year.
432IE-5	Quality Control	5	231IE-4 - S	-
451IE-3	Reliability and Maintenance Planning	3	-	-
451IE-5	Production planning and control	5	231IE-4 - S	-
461IE-4	Human Factors Engineering	4	-	-
Total				17

Twelfth

code	Course Name	Hr.	requisite	Year.
419MATH-5	Numerical Methods	5	319MATH-5 - S	-
437IE-5	Regression and Forecasting	5	232IE-5 - S	-
452IE-5	Supply Chain Planning, Design, and Engineering	5	321-IE-5 - S	-
511GE-3	Entrepreneurship and Venture Engineering	3	-	-
Total				18

Thirteenth

code	Course Name	Hr.	requisite	Year.
521IE-5	Advanced Operation Research	5	321-IE-5 - S 232IE-5 - S 229MATH-5 - S	-
531IE-3	Design and Analysis of Experiments	3	232IE-5 - S	-
554IE-3	Senior Design Project-1	3	-	-
564IE-3	Safety and Environmental Engineering	3	232IE-5 - S	-
Total				14

Fourteenth

code	Course Name	Hr.	requisite	Year.
541IE-5	Supply Chain Modeling and Management	5	-	-
555IE-3	Senior Design Project-2	3	554IE-3 - S	-
566IE-5	Facilities Planning and Design	5	321-IE-5 - S	-
Total				13

S : Pre-requisits
M : Co-requisits

Degree Plan

Degree : Bachelor **Faculty :** College of Engineering **Plan hrs :** 239

Semester : 441 **Dept :** Industrial Engineering **Plan Type :** Main

Edition : 6 **Major :** 080201 Industrial Engineering **Gender :** All

Council Session: **Deanship Session:** **Faculty Session:** **Dept Session:**

Council Date: **Deanship Date:** **Faculty Date:** **Dept Date:**

Fifteenth				
code	Course Name	Hr.	requisite	Year.
544IE-5	Queuing Systems	5	-	-
551IE-5	Computer Aided Design and Manufacturing	5	-	-
Total				10

S : Pre-requisits
M : Co-requisits

Degree Plan

Degree : Bachelor **Faculty :** College of Engineering **Plan hrs :** 239

Semester : 441 **Dept :** Industrial Engineering **Plan Type :** Main

Edition : 6 **Major :** 080201 Industrial Engineering **Gender :** All

Council Session: **Deanship Session:** **Faculty Session:** **Dept Session:**

Council Date: **Deanship Date:** **Faculty Date:** **Dept Date:**

Group : Elective (15)

code	Course Name	Hr.	requisite	Year.
321-GE-3	Knowledge Management	3	-	-
322-GE-3	Design Thinking	3	-	-
323-GE-3	System Dynamics	3	-	-
Total		9		

code	Course Name	Hr.	requisite	Year.
542IE-4	Supply Chains Economics	4	-	-
552IE-4	Advanced Logistics	4	-	-
562IE-4	Professional and Health Law	4	-	-
565-IE-4	Safety Systems	4	-	-
Total		16		

code	Course Name	Hr.	requisite	Year.
525IE-4	Fire and Explosion Prevention	4	-	-
526IE-4	Crisis and Disaster Management	4	-	-
534IE-4	Designing and Improving Energy Systems	4	-	-
539IE-4	Advanced Stochastic	4	232IE-5 - S	-
Total		16		

code	Course Name	Hr.	requisite	Year.
520IE-4	Manufacturing Systems Management	4	-	-
527IE-4	Occupational Health	4	-	-
543IE-4	Supply Chain Analysis	4	-	-
563IE-4	Advanced Ergonomics	4	-	-
Total		16		

Free Hrs. : 5

S : Pre-requisits
M : Co-requisits

Degree Plan

Degree : Bachelor **Faculty :** College of Engineering **Plan hrs :** 162

Semester : 441 **Dept :** Industrial Engineering **Plan Type :** Main

Edition : 7 **Major :** 080201 Industrial Engineering **Gender :** All

Council Session: **Deanship Session:** **Faculty Session:** **Dept Session:**

Council Date: **Deanship Date:** **Faculty Date:** **Dept Date:**

Group : Compulsory (162)

First

code	Course Name	Hr.	requisite	Year.
011ENG-6	Intensive English Program 1	6	-	-
107CHEM-4	General Chemistry	4	-	-
111GE-3	Engineering Drawing -1	3	-	-
119MATH-3	Differentiation And Integration -1	3	-	-
Total				16

Second

code	Course Name	Hr.	requisite	Year.
012ENG-6	Intensive English Program 2	6	011ENG-6 - S	-
101CS-2	Introduction to Computer Science	2	-	-
111IC1-2	The Entrance to the Islamic Culture	2	-	-
129MATH-3	Algebra and Geometry	3	-	-
129PHYS-4	Physics -1	4	-	-
Total				17

Third

code	Course Name	Hr.	requisite	Year.
112IC1-2	Islamic Culture -2	2	-	-
121ME-3	Production Technology And Workshop	3	-	-
201ARAB-2	Arabic Language Skills	2	-	-
211ME-4	Engineering Mechanics	4	-	-
212ME-3	Material Science -1	3	-	-
219MATH-3	Differentiation And Integration -2	3	-	-
Total				17

Fourth

code	Course Name	Hr.	requisite	Year.
113IC1-2	Islamic Culture -3	2	-	-
202ARAB-2	Arabic Editing	2	-	-
223IE-3	Introduction to Industrial Engineering	3	-	-
224ME-3	Engineering Drawing -2	3	121ME-3 - S	-
225ME-3	Strength of Materials & Testing	3	-	-
229MATH-3	Differentiation And Integration -3	3	219MATH-3 - S	-
Total				16

Fifth

code	Course Name	Hr.	requisite	Year.
114IC1-2	Islamic Culture -4	2	-	-
218EE-3	Electric Engineering -1	3	-	-
301NGL-2	Technical Reports Writing	2	-	-
312IE-3	Measurement and Instruments	3	121ME-3 - S	-
319MATH-3	Differential Equations	3	219MATH-3 - S	-
411ME-3	Machine Elements Design -1	3	225ME-3 - S	-
Total				16

Sixth

code	Course Name	Hr.	requisite	Year.
012CSM-3	Computer Programming 1	3	-	-
321-IE-3	Operations Research I	3	-	-
323IE-3	Industrial Quality Control	3	-	-
324IE-3	Manufacturing Eng. 1	3	121ME-3 - S	-
328ME-3	Fluids And Thermodynamics	3	-	-
329STAT-2	Principles of Statistics And Probability	2	-	-
IE400-0	Summer Training	0	-	-
Total				17

S : Pre-requisits
M : Co-requisits

Degree Plan

Degree : Bachelor **Faculty :** College of Engineering **Plan hrs :** 162

Semester : 441 **Dept :** Industrial Engineering **Plan Type :** Main

Edition : 7 **Major :** 080201 Industrial Engineering **Gender :** All

Council Session: **Deanship Session:** **Faculty Session:** **Dept Session:**

Council Date: **Deanship Date:** **Faculty Date:** **Dept Date:**

Seventh

code	Course Name	Hr.	requisite	Year.
411IE-3	Modeling and Simulation	3	329STAT-2 - S	-
412IE-3	Manufacturing Eng. 2	3	324IE-3 - S	-
413IE-3	Production Planning and Control	3	-	-
414IE-3	Operations Research-2	3	321-IE-3 - S	-
415IE-3	Computer Aided Manufacturing (Cam)	3	324IE-3 - S	-
419MATH-3	Numerical Methods	3	319MATH-3 - S	-
Total		18		

Eighth

code	Course Name	Hr.	requisite	Year.
328EE-3	Electric Engineering -2	3	218EE-3 - S	-
421IE-3	Human Factors Eng.	3	-	-
422IE-2	Environment Engineering	2	-	-
423IE-3	Inventory Control & Materials Handling	3	-	-
424IE-2	Engineering Economy	2	-	-
425IE-3	Facilities Planning	3	-	-
Total		16		

Ninth

code	Course Name	Hr.	requisite	Year.
511IE-2	Engineering Reliability & Maintenance	2	-	-
512IE-2	Industrial Safety	2	422IE-2 - S	-
513IE-2	Industrial Operations Analysis	2	412IE-3 - S	-
514IE-2	Industrial Project Management	2	-	-
515IE-3	Automatic Control	3	319MATH-3 - S	-
516IE-2	Cost Analysis And Value Eng.	2	424IE-2 - S	-
591IE-3	Graduation Project*	3	-	-
Total		16		

Tenth

code	Course Name	Hr.	requisite	Year.
521IE-3	Industrial Robots	3	515IE-3 - S	-
522IE-2	Computer Applications in Industrial Eng.	2	012CSM-3 - S	-
523IE-3	Work Study	3	-	-
524IE-3	Design And Analysis of Industrial System	3	513IE-2 - S	-
525IE-2	Design of Experiments	2	329STAT-2 - S	-
Total		13		

S : Pre-requisits
M : Co-requisits

Degree Plan

Degree : Bachelor **Faculty :** College of Engineering **Plan hrs :** 34

Semester : 302 **Dept :** Industrial Engineering **Plan Type :** Prep.

Edition : 1 **Major :** 080201 Industrial Engineering **Gender :** All

Council Session: **Deanship Session:** **Faculty Session:** **Dept Session:**

Council Date: **Deanship Date:** **Faculty Date:** **Dept Date:**

Group : Compulsory (34)

First

code	Course Name	Hr.	requisite	Year.
011ENG-6	Intensive English Program 1	6	-	-
107CHEM-4	General Chemistry	4	-	-
111GE-3	Engineering Drawing -1	3	-	-
119MATH-3	Differentiation And Integration -1	3	-	-
Total		16		

Second

code	Course Name	Hr.	requisite	Year.
012ENG-6	Intensive English Program 2	6	011ENG-6 - S	-
101CMS-3	Computer Science	3	-	-
111IC1-2	The Entrance to the Islamic Culture	2	-	-
129MATH-3	Algebra and Geometry	3	-	-
129PHYS-4	Physics -1	4	-	-
Total		18		

S : Pre-requisits
M : Co-requisits

Degree Plan

Degree : Bachelor **Faculty :** College of Engineering **Plan hrs :** 166

Semester : 391 **Dept :** Industrial Engineering **Plan Type :** Main

Edition : 4 **Major :** 080201 Industrial Engineering **Gender :** All

Council Session: **Deanship Session:** **Faculty Session:** **Dept Session:**

Council Date: **Deanship Date:** **Faculty Date:** **Dept Date:**

Group : Compulsory (150)

First

code	Course Name	Hr.	requisite	Year.
011ENG-6	Intensive English Program 1	6	-	-
107CHEM-4	General Chemistry	4	-	-
111IC1-2	The Entrance to the Islamic Culture	2	-	-
119MATH-3	Differentiation And Integration -1	3	-	-
201ARAB-2	Arabic Language Skills	2	-	-
Total				17

Second

code	Course Name	Hr.	requisite	Year.
012ENG-6	Intensive English Program 2	6	011ENG-6 - S	-
104-CS-2	Computer Science	2	-	-
112IC1-2	Islamic Culture -2	2	-	-
129PHYS-4	Physics -1	4	-	-
219MATH-3	Differentiation And Integration -2	3	119MATH-3 - S	-
Total				17

Third

code	Course Name	Hr.	requisite	Year.
111-GE-3	Engineering Drawing	3	-	-
113IC1-2	Islamic Culture -3	2	-	-
219PHYS-4	Physics -2	4	129PHYS-4 - S	-
229MATH-3	Differentiation And Integration -3	3	219MATH-3 - S	-
231-IE-3	Probability with Applications	3	-	-
261-IE-2	Introduction to Industrial Engineering	2	-	-
Total				17

Fourth

code	Course Name	Hr.	requisite	Year.
200-IE-2	Data Input and Manipulation	2	-	-
211-GE-2	Learning Skills	2	-	-
212-ME-2	Engineering Mechanics (Statics)	2	-	-
218EE-3	Electric Engineering -1	3	129PHYS-4 - S 219MATH-3 - S	-
221-ME-3	Production Technology and Workshop	3	111-GE-3 - S	-
232-IE-3	Basics of Statistical Methods	3	231-IE-3 - S	-
Total				15

S : Pre-requisits
M : Co-requisits

Degree Plan

Degree : Bachelor **Faculty :** College of Engineering **Plan hrs :** 166

Semester : 391 **Dept :** Industrial Engineering **Plan Type :** Main

Edition : 4 **Major :** 080201 Industrial Engineering **Gender :** All

Council Session: **Deanship Session:** **Faculty Session:** **Dept Session:**

Council Date: **Deanship Date:** **Faculty Date:** **Dept Date:**

Fifth

code	Course Name	Hr.	requisite	Year.
211-ME-3	Material Science	3	129PHYS-4 - S 107CHEM-4 - S	-
221-GE-2	Creativity and Innovation	2	-	-
301NGL-2	Technical Reports Writing	2	012ENG-6 - S	-
311-IE-2	Enginering Economy	2	-	-
313-ME-2	Engineering Mechanics (Dynamics)	2	-	-
329-MATH-3	Linear Algebra	3	-	-
361-IE-2	Applied Statistics in Industrial Engineering	2	232-IE-3 - S	-
Total				16

Sixth

code	Course Name	Hr.	requisite	Year.
114IC1-2	Islamic Culture -4	2	-	-
319MATH-3	Differential Equations	3	219MATH-3 - S	-
321-IE-3	Operations Research I	3	232-IE-3 - S	-
331-IE-3	Simulation Analysis & Design	3	232-IE-3 - S	-
IE400-0	Summer Training	0	-	-
Total				11

Seventh

code	Course Name	Hr.	requisite	Year.
202ARAB-2	Arabic Editing	2	-	-
411-GE-2	Professional Ethics and Practice	2	-	-
420-IE-2	Management Information Systems	2	-	-
431-IE-2	Work Design and Measurement	2	-	-
451-IE-2	Reliability and Maintenance Planning	2	-	-
451-IE-3	Production Planning and Control	3	231-IE-3 - S	-
461-IE-3	Human Factors Engineering	3	-	-
Total				16

Eighth

code	Course Name	Hr.	requisite	Year.
411-IE-2	Engineering Management	2	-	-
419MATH-3	Numerical Methods	3	319MATH-3 - S	-
432-IE-3	Quality Control	3	231-IE-3 - S	-
437-IE-3	Regression and Forecasting	3	232-IE-3 - S	-
452-IE-3	Supply Chain Planning, Design, and Engineering	3	321-IE-3 - S	-
453-IE-2	Product Design and Development	2	-	-
Total				16

S : Pre-requisits
M : Co-requisits

Degree Plan

Degree : Bachelor **Faculty :** College of Engineering **Plan hrs :** 166

Semester : 391 **Dept :** Industrial Engineering **Plan Type :** Main

Edition : 4 **Major :** 080201 Industrial Engineering **Gender :** All

Council Session: **Deanship Session:** **Faculty Session:** **Dept Session:**

Council Date: **Deanship Date:** **Faculty Date:** **Dept Date:**

Ninth

code	Course Name	Hr.	requisite	Year.
511-GE-2	Entrepreneurship and Venture Engineering	2	-	-
521-IE-3	Advanced Operation Research	3	321-IE-3 - S	-
541-IE-3	Supply Chain Modeling and Management	3	-	-
554-IE-2	Senior Design Project-1	2	-	-
566-IE-3	Facilities Planning and Design	3	321-IE-3 - S	-
Total				13

Tenth

code	Course Name	Hr.	requisite	Year.
531-IE-2	Design and Analysis of Experiments	2	232-IE-3 - S	-
544-IE-3	Queuing Systems	3	-	-
551-IE-3	Computer Aided Design and Manufacturing	3	-	-
555-IE-2	Senior Design Project-2	2	554-IE-2 - S	-
564-IE-2	Safety and Environment Engineering	2	-	-
Total				12

S : Pre-requisits
M : Co-requisits

Degree Plan

Degree : Bachelor **Faculty :** College of Engineering **Plan hrs :** 166

Semester : 391 **Dept :** Industrial Engineering **Plan Type :** Main

Edition : 4 **Major :** 080201 Industrial Engineering **Gender :** All

Council Session: **Deanship Session:** **Faculty Session:** **Dept Session:**

Council Date: **Deanship Date:** **Faculty Date:** **Dept Date:**

Group : Elective (2)

code	Course Name	Hr.	requisite	Year.
321-GE-2	Knowledge Management	2	-	-
322-GE-2	Design Thinking	2	-	-
323-GE-2	System Dynamics	2	-	-
Total		6		

S : Pre-requisits
M : Co-requisits

Degree Plan

Degree : Bachelor **Faculty :** College of Engineering **Plan hrs :** 166

Semester : 391 **Dept :** Industrial Engineering **Plan Type :** Main

Edition : 4 **Major :** 080201 Industrial Engineering **Gender :** All

Council Session: **Deanship Session:** **Faculty Session:** **Dept Session:**

Council Date: **Deanship Date:** **Faculty Date:** **Dept Date:**

Group : Elective (3)

code	Course Name	Hr.	requisite	Year.
520-IE-3	Manufacturing Systems Management	3	-	-
542-IE-3	Supply Chains Economics	3	-	-
562-IE-3	Professional and Health Law	3	-	-
565-IE-3	Safety Systems	3	-	-
Total		12		

S : Pre-requisits
M : Co-requisits

Degree Plan

Degree : Bachelor **Faculty :** College of Engineering **Plan hrs :** 166

Semester : 391 **Dept :** Industrial Engineering **Plan Type :** Main

Edition : 4 **Major :** 080201 Industrial Engineering **Gender :** All

Council Session: **Deanship Session:** **Faculty Session:** **Dept Session:**

Council Date: **Deanship Date:** **Faculty Date:** **Dept Date:**

Group : Elective (6)

code	Course Name	Hr.	requisite	Year.
525-IE-3	Fire and Explosion Prevention	3	-	-
526-IE-3	Crisis and Disaster Management	3	-	-
527-IE-3	Occupational Health	3	-	-
534-IE-3	Designing and Improving Energy Systems	3	-	-
539-IE-3	Advanced Stochastic	3	232-IE-3 - S	-
552-IE-3	Advanced Logistics	3	-	-
563-IE-3	Advanced Ergonomics	3	-	-
Total		21		

Free Hrs. : 5

S : Pre-requisits
M : Co-requisits

Degree Plan

Degree : Bachelor **Faculty :** College of Engineering **Plan hrs :** 34

Semester : 391 **Dept :** Industrial Engineering **Plan Type :** Prep.

Edition : 2 **Major :** 080201 Industrial Engineering **Gender :** All

Council Session: **Deanship Session:** **Faculty Session:** **Dept Session:**

Council Date: **Deanship Date:** **Faculty Date:** **Dept Date:**

Group : Compulsory (34)

First

code	Course Name	Hr.	requisite	Year.
011ENG-6	Intensive English Program 1	6	-	-
107CHEM-4	General Chemistry	4	-	-
111IC1-2	The Entrance to the Islamic Culture	2	-	-
119MATH-3	Differentiation And Integration -1	3	-	-
201ARAB-2	Arabic Language Skills	2	-	-
Total		17		

Second

code	Course Name	Hr.	requisite	Year.
012ENG-6	Intensive English Program 2	6	011ENG-6 - S	-
104-CS-2	Computer Science	2	-	-
112IC1-2	Islamic Culture -2	2	-	-
129PHYS-4	Physics -1	4	-	-
219MATH-3	Differentiation And Integration -2	3	119MATH-3 - S	-
Total		17		

S : Pre-requisits
M : Co-requisits

Degree Plan

Degree : Bachelor **Faculty :** College of Engineering **Plan hrs :** 232

Semester : 441 **Dept :** Industrial Engineering **Plan Type :** Main

Edition : 5 **Major :** 080201 Industrial Engineering **Gender :** All

Council Session: **Deanship Session:** **Faculty Session:** **Dept Session:**

Council Date: **Deanship Date:** **Faculty Date:** **Dept Date:**

Group : Compulsory (232)

First

code	Course Name	Hr.	requisite	Year.
011ENG-6	Intensive English Program 1	6	-	-
107CHEM-6	General Chemistry	6	-	-
111GE-4	Engineering Drawing -1	4	-	-
Total				16

Second

code	Course Name	Hr.	requisite	Year.
012ENG-6	Intensive English Program 2	6	011ENG-6 - S	-
111IC1-2	The Entrance to the Islamic Culture	2	-	-
119MATH-5	Differentiation And Integration -1	5	-	-
Total				13

Third

code	Course Name	Hr.	requisite	Year.
101CS-2	Introduction to Computer Science	2	-	-
129MATH-5	Algebra and Geometry	5	-	-
129PHYS-6	Physics -1	6	-	-
Total				13

Fourth

code	Course Name	Hr.	requisite	Year.
201ARAB-2	Arabic Language Skills	2	-	-
212ME-4	Material Science -1	4	-	-
219MATH-5	Differentiation And Integration -2	5	-	-
225ME-5	Strength of Materials & Testing	5	-	-
Total				16

Fifth

code	Course Name	Hr.	requisite	Year.
112IC1-2	Islamic Culture -2	2	-	-
121ME-4	Production Technology And Workshop	4	-	-
223IE-3	Introduction to Industrial Engineering	3	-	-
229MATH-5	Differentiation And Integration -3	5	219MATH-5 - S	-
Total				14

Sixth

code	Course Name	Hr.	requisite	Year.
113IC1-2	Islamic Culture -3	2	-	-
211ME-6	Engineering Mechanics	6	-	-
224ME-4	Engineering Drawing -2	4	121ME-4 - S	-
323IE-5	Industrial Quality Control	5	-	-
Total				17

Seventh

code	Course Name	Hr.	requisite	Year.
202ARAB-2	Arabic Editing	2	-	-
321-IE-5	Operations Research I	5	-	-
324IE-5	Manufacturing Eng. 1	5	121ME-4 - S	-
328ME-5	Fluids And Thermodynamics	5	-	-
Total				17

Eighth

code	Course Name	Hr.	requisite	Year.
114IC1-2	Islamic Culture -4	2	-	-
218EE-4	Electric Engineering -1	4	-	-
301NGL-3	Technical Reports Writing	3	-	-
319MATH-5	Differential Equations	5	219MATH-5 - S	-
Total				14

S : Pre-requisits
M : Co-requisits

Degree Plan

Degree : Bachelor **Faculty :** College of Engineering **Plan hrs :** 232

Semester : 441 **Dept :** Industrial Engineering **Plan Type :** Main

Edition : 5 **Major :** 080201 Industrial Engineering **Gender :** All

Council Session: **Deanship Session:** **Faculty Session:** **Dept Session:**

Council Date: **Deanship Date:** **Faculty Date:** **Dept Date:**

Ninth

code	Course Name	Hr.	requisite	Year.
012CCS-4	Computer Programming 1	4	-	-
312IE-5	Measurement and Instruments	5	121ME-4 - S	-
329STAT-3	Principles of Statistics And Probability	3	-	-
IE400-0	Summer Training	0	-	-
411ME-5	Machine Elements Design -1	5	225ME-5 - S	-
Total				17

Tenth

code	Course Name	Hr.	requisite	Year.
328EE-4	Electric Engineering -2	4	218EE-4 - S	-
413IE-5	Production Planning and Control	5	-	-
423IE-4	Inventory Control & Materials Handling	4	-	-
424IE-3	Engineering Economy	3	-	-
Total				16

Eleventh

code	Course Name	Hr.	requisite	Year.
411IE-5	Modeling and Simulation	5	329STAT-3 - S	-
412IE-5	Manufacturing Eng. 2	5	324IE-5 - S	-
421IE-5	Human Factors Eng.	5	-	-
Total				15

Twelfth

code	Course Name	Hr.	requisite	Year.
414IE-5	Operations Research-2	5	321-IE-5 - S	-
415IE-5	Computer Aided Manufacturing (Cam)	5	324IE-5 - S	-
419MATH-5	Numerical Methods	5	319MATH-5 - S	-
422IE-3	Environment Engineering	3	-	-
Total				18

Thirteenth

code	Course Name	Hr.	requisite	Year.
512IE-3	Industrial Safety	3	422IE-3 - S	-
515IE-4	Automatic Control	4	319MATH-5 - S	-
525IE-3	Design of Experiments	3	329STAT-3 - S	-
591IE-4	Graduation Project*	4	-	-
Total				14

Fourteenth

code	Course Name	Hr.	requisite	Year.
511IE-3	Engineering Reliability & Maintenance	3	-	-
513IE-3	Industrial Operations Analysis	3	412IE-5 - S	-
514IE-3	Industrial Project Management	3	515IE-4 - S	-
521IE-4	Industrial Robots	4	515IE-4 - S	-
Total				13

S : Pre-requisits
M : Co-requisits

Degree Plan

Degree : Bachelor **Faculty :** College of Engineering **Plan hrs :** 232

Semester : 441 **Dept :** Industrial Engineering **Plan Type :** Main

Edition : 5 **Major :** 080201 Industrial Engineering **Gender :** All

Council Session: **Deanship Session:** **Faculty Session:** **Dept Session:**

Council Date: **Deanship Date:** **Faculty Date:** **Dept Date:**

Fifteenth				
code	Course Name	Hr.	requisite	Year.
425IE-5	Facilities Planning	5	321-IE-5 - S	-
516IE-3	Cost Analysis And Value Eng.	3	424IE-3 - S	-
522IE-3	Computer Applications in Industrial Eng.	3	012CCS-4 - S	-
523IE-4	Work Study	4	-	-
524IE-4	Design And Analysis of Industrial System	4	513IE-3 - S	-
Total		19		

S : Pre-requisits
M : Co-requisits

Degree Plan

Degree : Bachelor **Faculty :** College of Engineering **Plan hrs :** 239

Semester : 441 **Dept :** Industrial Engineering **Plan Type :** Main

Edition : 6 **Major :** 080201 Industrial Engineering **Gender :** All

Council Session: **Deanship Session:** **Faculty Session:** **Dept Session:**

Council Date: **Deanship Date:** **Faculty Date:** **Dept Date:**

Group : Compulsory (219)

First

code	Course Name	Hr.	requisite	Year.
011ENG-6	Intensive English Program 1	6	-	-
107CHEM-6	General Chemistry	6	-	-
201ARAB-2	Arabic Language Skills	2	-	-
Total				14

Second

code	Course Name	Hr.	requisite	Year.
012ENG-6	Intensive English Program 2	6	011ENG-6 - S	-
111IC1-2	The Entrance to the Islamic Culture	2	-	-
119MATH-5	Differentiation And Integration -1	5	-	-
Total				13

Third

code	Course Name	Hr.	requisite	Year.
CS102-3	Computer Applications	3	-	-
112IC1-2	Islamic Culture -2	2	-	-
129PHYS-6	Physics -1	6	-	-
219MATH-5	Differentiation And Integration -2	5	119MATH-5 - S	-
Total				16

Fourth

code	Course Name	Hr.	requisite	Year.
219PHYS-6	Physics -2	6	129PHYS-6 - S	-
229MATH-5	Differentiation And Integration -3	5	219MATH-5 - S	-
231IE-4	Probability with Applications	4	-	-
Total				15

Fifth

code	Course Name	Hr.	requisite	Year.
111-GE-4	Engineering Drawing	4	-	-
218EE-4	Electric Engineering -1	4	129PHYS-6 - S 119MATH-5 - S	-
232IE-5	Basics of Statistical Methods	5	231IE-4 - S	-
261-IE-3	Introduction to Industrial Engineering	3	-	-
Total				16

Sixth

code	Course Name	Hr.	requisite	Year.
113IC1-2	Islamic Culture -3	2	-	-
200IE-3	Data Input and Manipulation	3	-	-
211GE-3	Learning Skills	3	-	-
212-ME-3	Engineering Mechanics (Statics)	3	-	-
221ME-4	Production Technology and Workshop	4	111-GE-4 - S	-
Total				15

Seventh

code	Course Name	Hr.	requisite	Year.
221-GE-3	Creativity and Innovation	3	-	-
311-IE-3	Enginering Economy	3	-	-
313ME-3	Engineering Mechanics (Dynamics)	3	-	-
329MATH-4	Linear Algebra	4	-	-
361IE-3	Applied Statistics in Industrial Engineering	3	232IE-5 - S	-
Total				16

Eighth

code	Course Name	Hr.	requisite	Year.
114IC1-2	Islamic Culture -4	2	-	-
301NGL-3	Technical Reports Writing	3	012ENG-6 - S	-
319MATH-5	Differential Equations	5	219MATH-5 - S	-
321-IE-5	Operations Research I	5	232IE-5 - S	-
Total				15

S : Pre-requisits
M : Co-requisits

Degree Plan

Degree : Bachelor **Faculty :** College of Engineering **Plan hrs :** 239

Semester : 441 **Dept :** Industrial Engineering **Plan Type :** Main

Edition : 6 **Major :** 080201 Industrial Engineering **Gender :** All

Council Session: **Deanship Session:** **Faculty Session:** **Dept Session:**

Council Date: **Deanship Date:** **Faculty Date:** **Dept Date:**

Ninth

code	Course Name	Hr.	requisite	Year.
211ME-5	Material Science	5	129PHYS-6 - S 107CHEM-6 - S	-
331IE-5	Simulation Analysis & Design	5	232IE-5 - S	-
IE400-0	Summer Training	0	-	-
Total				10

Tenth

code	Course Name	Hr.	requisite	Year.
202ARAB-2	Arabic Editing	2	-	-
411-IE-3	Engineering Management	3	-	-
411GE-3	Professional Ethics and Practice	3	-	-
420IE-3	Management Information Systems	3	-	-
431-IE-3	Work Design and Measurement	3	-	-
453-IE-3	Product Design and Development	3	-	-
Total				17

Eleventh

code	Course Name	Hr.	requisite	Year.
432IE-5	Quality Control	5	231IE-4 - S	-
451IE-3	Reliability and Maintenance Planning	3	-	-
451IE-5	Production planning and control	5	231IE-4 - S	-
461IE-4	Human Factors Engineering	4	-	-
Total				17

Twelfth

code	Course Name	Hr.	requisite	Year.
419MATH-5	Numerical Methods	5	319MATH-5 - S	-
437IE-5	Regression and Forecasting	5	232IE-5 - S	-
452IE-5	Supply Chain Planning, Design, and Engineering	5	321-IE-5 - S	-
511GE-3	Entrepreneurship and Venture Engineering	3	-	-
Total				18

Thirteenth

code	Course Name	Hr.	requisite	Year.
521IE-5	Advanced Operation Research	5	321-IE-5 - S 232IE-5 - S 229MATH-5 - S	-
531IE-3	Design and Analysis of Experiments	3	232IE-5 - S	-
554IE-3	Senior Design Project-1	3	-	-
564IE-3	Safety and Environmental Engineering	3	232IE-5 - S	-
Total				14

Fourteenth

code	Course Name	Hr.	requisite	Year.
541IE-5	Supply Chain Modeling and Management	5	-	-
555IE-3	Senior Design Project-2	3	554IE-3 - S	-
566IE-5	Facilities Planning and Design	5	321-IE-5 - S	-
Total				13

S : Pre-requisits
M : Co-requisits

Degree Plan

Degree : Bachelor **Faculty :** College of Engineering **Plan hrs :** 239

Semester : 441 **Dept :** Industrial Engineering **Plan Type :** Main

Edition : 6 **Major :** 080201 Industrial Engineering **Gender :** All

Council Session: **Deanship Session:** **Faculty Session:** **Dept Session:**

Council Date: **Deanship Date:** **Faculty Date:** **Dept Date:**

Fifteenth				
code	Course Name	Hr.	requisite	Year.
544IE-5	Queuing Systems	5	-	-
551IE-5	Computer Aided Design and Manufacturing	5	-	-
Total				10

S : Pre-requisits
M : Co-requisits

Degree Plan

Degree : Bachelor **Faculty :** College of Engineering **Plan hrs :** 239

Semester : 441 **Dept :** Industrial Engineering **Plan Type :** Main

Edition : 6 **Major :** 080201 Industrial Engineering **Gender :** All

Council Session: **Deanship Session:** **Faculty Session:** **Dept Session:**

Council Date: **Deanship Date:** **Faculty Date:** **Dept Date:**

Group : Elective (15)

code	Course Name	Hr.	requisite	Year.
321-GE-3	Knowledge Management	3	-	-
322-GE-3	Design Thinking	3	-	-
323-GE-3	System Dynamics	3	-	-
Total		9		

code	Course Name	Hr.	requisite	Year.
542IE-4	Supply Chains Economics	4	-	-
552IE-4	Advanced Logistics	4	-	-
562IE-4	Professional and Health Law	4	-	-
565-IE-4	Safety Systems	4	-	-
Total		16		

code	Course Name	Hr.	requisite	Year.
525IE-4	Fire and Explosion Prevention	4	-	-
526IE-4	Crisis and Disaster Management	4	-	-
534IE-4	Designing and Improving Energy Systems	4	-	-
539IE-4	Advanced Stochastic	4	232IE-5 - S	-
Total		16		

code	Course Name	Hr.	requisite	Year.
520IE-4	Manufacturing Systems Management	4	-	-
527IE-4	Occupational Health	4	-	-
543IE-4	Supply Chain Analysis	4	-	-
563IE-4	Advanced Ergonomics	4	-	-
Total		16		

Free Hrs. : 5

S : Pre-requisits
M : Co-requisits

Degree Plan

Degree : Bachelor **Faculty :** College of Engineering **Plan hrs :** 162

Semester : 441 **Dept :** Industrial Engineering **Plan Type :** Main

Edition : 7 **Major :** 080201 Industrial Engineering **Gender :** All

Council Session: **Deanship Session:** **Faculty Session:** **Dept Session:**

Council Date: **Deanship Date:** **Faculty Date:** **Dept Date:**

Group : Compulsory (162)

First

code	Course Name	Hr.	requisite	Year.
011ENG-6	Intensive English Program 1	6	-	-
107CHEM-4	General Chemistry	4	-	-
111GE-3	Engineering Drawing -1	3	-	-
119MATH-3	Differentiation And Integration -1	3	-	-
Total				16

Second

code	Course Name	Hr.	requisite	Year.
012ENG-6	Intensive English Program 2	6	011ENG-6 - S	-
101CS-2	Introduction to Computer Science	2	-	-
111IC1-2	The Entrance to the Islamic Culture	2	-	-
129MATH-3	Algebra and Geometry	3	-	-
129PHYS-4	Physics -1	4	-	-
Total				17

Third

code	Course Name	Hr.	requisite	Year.
112IC1-2	Islamic Culture -2	2	-	-
121ME-3	Production Technology And Workshop	3	-	-
201ARAB-2	Arabic Language Skills	2	-	-
211ME-4	Engineering Mechanics	4	-	-
212ME-3	Material Science -1	3	-	-
219MATH-3	Differentiation And Integration -2	3	-	-
Total				17

Fourth

code	Course Name	Hr.	requisite	Year.
113IC1-2	Islamic Culture -3	2	-	-
202ARAB-2	Arabic Editing	2	-	-
223IE-3	Introduction to Industrial Engineering	3	-	-
224ME-3	Engineering Drawing -2	3	121ME-3 - S	-
225ME-3	Strength of Materials & Testing	3	-	-
229MATH-3	Differentiation And Integration -3	3	219MATH-3 - S	-
Total				16

Fifth

code	Course Name	Hr.	requisite	Year.
114IC1-2	Islamic Culture -4	2	-	-
218EE-3	Electric Engineering -1	3	-	-
301NGL-2	Technical Reports Writing	2	-	-
312IE-3	Measurement and Instruments	3	121ME-3 - S	-
319MATH-3	Differential Equations	3	219MATH-3 - S	-
411ME-3	Machine Elements Design -1	3	225ME-3 - S	-
Total				16

Sixth

code	Course Name	Hr.	requisite	Year.
012CSM-3	Computer Programming 1	3	-	-
321-IE-3	Operations Research I	3	-	-
323IE-3	Industrial Quality Control	3	-	-
324IE-3	Manufacturing Eng. 1	3	121ME-3 - S	-
328ME-3	Fluids And Thermodynamics	3	-	-
329STAT-2	Principles of Statistics And Probability	2	-	-
IE400-0	Summer Training	0	-	-
Total				17

S : Pre-requisits
M : Co-requisits

Degree Plan

Degree : Bachelor **Faculty :** College of Engineering **Plan hrs :** 162

Semester : 441 **Dept :** Industrial Engineering **Plan Type :** Main

Edition : 7 **Major :** 080201 Industrial Engineering **Gender :** All

Council Session: **Deanship Session:** **Faculty Session:** **Dept Session:**

Council Date: **Deanship Date:** **Faculty Date:** **Dept Date:**

Seventh

code	Course Name	Hr.	requisite	Year.
411IE-3	Modeling and Simulation	3	329STAT-2 - S	-
412IE-3	Manufacturing Eng. 2	3	324IE-3 - S	-
413IE-3	Production Planning and Control	3	-	-
414IE-3	Operations Research-2	3	321-IE-3 - S	-
415IE-3	Computer Aided Manufacturing (Cam)	3	324IE-3 - S	-
419MATH-3	Numerical Methods	3	319MATH-3 - S	-
Total		18		

Eighth

code	Course Name	Hr.	requisite	Year.
328EE-3	Electric Engineering -2	3	218EE-3 - S	-
421IE-3	Human Factors Eng.	3	-	-
422IE-2	Environment Engineering	2	-	-
423IE-3	Inventory Control & Materials Handling	3	-	-
424IE-2	Engineering Economy	2	-	-
425IE-3	Facilities Planning	3	-	-
Total		16		

Ninth

code	Course Name	Hr.	requisite	Year.
511IE-2	Engineering Reliability & Maintenance	2	-	-
512IE-2	Industrial Safety	2	422IE-2 - S	-
513IE-2	Industrial Operations Analysis	2	412IE-3 - S	-
514IE-2	Industrial Project Management	2	-	-
515IE-3	Automatic Control	3	319MATH-3 - S	-
516IE-2	Cost Analysis And Value Eng.	2	424IE-2 - S	-
591IE-3	Graduation Project*	3	-	-
Total		16		

Tenth

code	Course Name	Hr.	requisite	Year.
521IE-3	Industrial Robots	3	515IE-3 - S	-
522IE-2	Computer Applications in Industrial Eng.	2	012CSM-3 - S	-
523IE-3	Work Study	3	-	-
524IE-3	Design And Analysis of Industrial System	3	513IE-2 - S	-
525IE-2	Design of Experiments	2	329STAT-2 - S	-
Total		13		

S : Pre-requisits
M : Co-requisits

Degree Plan

Degree : Bachelor **Faculty :** College of Engineering **Plan hrs :** 43

Semester : 441 **Dept :** Industrial Engineering **Plan Type :** Prep.

Edition : 3 **Major :** 080201 Industrial Engineering **Gender :** All

Council Session: **Deanship Session:** **Faculty Session:** **Dept Session:**

Council Date: **Deanship Date:** **Faculty Date:** **Dept Date:**

Group : Compulsory (43)

First

code	Course Name	Hr.	requisite	Year.
011ENG-6	Intensive English Program 1	6	-	-
107CHEM-6	General Chemistry	6	-	-
201ARAB-2	Arabic Language Skills	2	-	-
Total		14		

Second

code	Course Name	Hr.	requisite	Year.
012ENG-6	Intensive English Program 2	6	011ENG-6 - S	-
111IC1-2	The Entrance to the Islamic Culture	2	-	-
119MATH-5	Differentiation And Integration -1	5	-	-
Total		13		

Third

code	Course Name	Hr.	requisite	Year.
CS102-3	Computer Applications	3	-	-
112IC1-2	Islamic Culture -2	2	-	-
129PHYS-6	Physics -1	6	-	-
219MATH-5	Differentiation And Integration -2	5	119MATH-5 - S	-
Total		16		

S : Pre-requisits
M : Co-requisits

Degree Plan

Degree : Bachelor **Faculty :** College of Engineering **Plan hrs :** 167

Semester : 451 **Dept :** Industrial Engineering **Plan Type :** Main

Edition : 8 **Major :** 080201 Industrial Engineering **Gender :** All

Council Session: **Deanship Session:** **Faculty Session:** **Dept Session:**

Council Date: **Deanship Date:** **Faculty Date:** **Dept Date:**

Group : Compulsory (151)

First

code	Course Name	Hr.	requisite	Year.
011ENG-6	Intensive English Program 1	6	-	-
107CHEM-4	General Chemistry	4	-	-
111IC1-2	The Entrance to the Islamic Culture	2	-	-
119MATH-3	Differentiation And Integration -1	3	-	-
201ARAB-2	Arabic Language Skills	2	-	-
Total				17

Second

code	Course Name	Hr.	requisite	Year.
012ENG-6	Intensive English Program 2	6	011ENG-6 - S	-
CS102-3	Computer Applications	3	-	-
112IC1-2	Islamic Culture -2	2	-	-
129PHYS-4	Physics -1	4	-	-
219MATH-3	Differentiation And Integration -2	3	119MATH-3 - S	-
Total				18

Third

code	Course Name	Hr.	requisite	Year.
111-GE-3	Engineering Drawing	3	-	-
113IC1-2	Islamic Culture -3	2	-	-
219PHYS-4	Physics -2	4	129PHYS-4 - S	-
229MATH-3	Differentiation And Integration -3	3	219MATH-3 - S	-
231-IE-3	Probability with Applications	3	-	-
261-IE-2	Introduction to Industrial Engineering	2	-	-
Total				17

Fourth

code	Course Name	Hr.	requisite	Year.
200-IE-2	Data Input and Manipulation	2	-	-
211-GE-2	Learning Skills	2	-	-
212-ME-2	Engineering Mechanics (Statics)	2	-	-
218EE-3	Electric Engineering -1	3	129PHYS-4 - S 219MATH-3 - S	-
221-ME-3	Production Technology and Workshop	3	111-GE-3 - S	-
232-IE-3	Basics of Statistical Methods	3	231-IE-3 - S	-
Total				15

S : Pre-requisits
M : Co-requisits

Degree Plan

Degree : Bachelor **Faculty :** College of Engineering **Plan hrs :** 167

Semester : 451 **Dept :** Industrial Engineering **Plan Type :** Main

Edition : 8 **Major :** 080201 Industrial Engineering **Gender :** All

Council Session: **Deanship Session:** **Faculty Session:** **Dept Session:**

Council Date: **Deanship Date:** **Faculty Date:** **Dept Date:**

Fifth

code	Course Name	Hr.	requisite	Year.
211-ME-3	Material Science	3	107CHEM-4 - S 129PHYS-4 - S	-
221-GE-2	Creativity and Innovation	2	-	-
301NGL-2	Technical Reports Writing	2	012ENG-6 - S	-
311-IE-2	Enginering Economy	2	-	-
313-ME-2	Engineering Mechanics (Dynamics)	2	-	-
329-MATH-3	Linear Algebra	3	-	-
361-IE-2	Applied Statistics in Industrial Engineering	2	232-IE-3 - S	-
Total				16

Sixth

code	Course Name	Hr.	requisite	Year.
114IC1-2	Islamic Culture -4	2	-	-
319MATH-3	Differential Equations	3	219MATH-3 - S	-
321-IE-3	Operations Research I	3	232-IE-3 - S	-
331-IE-3	Simulation Analysis & Design	3	232-IE-3 - S	-
IE400-0	Summer Training	0	-	-
Total				11

Seventh

code	Course Name	Hr.	requisite	Year.
202ARAB-2	Arabic Editing	2	-	-
411-GE-2	Professional Ethics and Practice	2	-	-
420-IE-2	Management Information Systems	2	-	-
431-IE-2	Work Design and Measurement	2	-	-
451-IE-2	Reliability and Maintenance Planning	2	-	-
451-IE-3	Production Planning and Control	3	231-IE-3 - S	-
461-IE-3	Human Factors Engineering	3	-	-
Total				16

Eighth

code	Course Name	Hr.	requisite	Year.
411-IE-2	Engineering Management	2	-	-
419MATH-3	Numerical Methods	3	319MATH-3 - S	-
432-IE-3	Quality Control	3	231-IE-3 - S	-
437-IE-3	Regression and Forecasting	3	232-IE-3 - S	-
452-IE-3	Supply Chain Planning, Design, and Engineering	3	321-IE-3 - S	-
453-IE-2	Product Design and Development	2	-	-
Total				16

S : Pre-requisits
M : Co-requisits

Degree Plan

Degree : Bachelor **Faculty :** College of Engineering **Plan hrs :** 167

Semester : 451 **Dept :** Industrial Engineering **Plan Type :** Main

Edition : 8 **Major :** 080201 Industrial Engineering **Gender :** All

Council Session: **Deanship Session:** **Faculty Session:** **Dept Session:**

Council Date: **Deanship Date:** **Faculty Date:** **Dept Date:**

Ninth

code	Course Name	Hr.	requisite	Year.
511-GE-2	Entrepreneurship and Venture Engineering	2	-	-
521-IE-3	Advanced Operation Research	3	321-IE-3 - S	-
541-IE-3	Supply Chain Modeling and Management	3	-	-
566-IE-3	Facilities Planning and Design	3	321-IE-3 - S	-
573IE-4	Senior Design Project	4	-	-
Total		15		

Tenth

code	Course Name	Hr.	requisite	Year.
531-IE-2	Design and Analysis of Experiments	2	232-IE-3 - S	-
544-IE-3	Queuing Systems	3	-	-
551-IE-3	Computer Aided Design and Manufacturing	3	-	-
564-IE-2	Safety and Environment Engineering	2	-	-
9999MHR-0	Professional Readiness & Graduation Test	0	-	-
Total		10		

S : Pre-requisits
M : Co-requisits

Degree Plan

Degree : Bachelor **Faculty :** College of Engineering **Plan hrs :** 167

Semester : 451 **Dept :** Industrial Engineering **Plan Type :** Main

Edition : 8 **Major :** 080201 Industrial Engineering **Gender :** All

Council Session: **Deanship Session:** **Faculty Session:** **Dept Session:**

Council Date: **Deanship Date:** **Faculty Date:** **Dept Date:**

Group : Elective (2)

code	Course Name	Hr.	requisite	Year.
321-GE-2	Knowledge Management	2	-	-
322-GE-2	Design Thinking	2	-	-
323-GE-2	System Dynamics	2	-	-
Total		6		

S : Pre-requisits
M : Co-requisits

Degree Plan

Degree : Bachelor **Faculty :** College of Engineering **Plan hrs :** 167

Semester : 451 **Dept :** Industrial Engineering **Plan Type :** Main

Edition : 8 **Major :** 080201 Industrial Engineering **Gender :** All

Council Session: **Deanship Session:** **Faculty Session:** **Dept Session:**

Council Date: **Deanship Date:** **Faculty Date:** **Dept Date:**

Group : Elective (9)

code	Course Name	Hr.	requisite	Year.
520-IE-3	Manufacturing Systems Management	3	-	-
542-IE-3	Supply Chains Economics	3	-	-
543-IE-3	Supply Chain Analysis	3	-	-
562-IE-3	Professional and Health Law	3	-	-
565-IE-3	Safety Systems	3	-	-
Total		15		

code	Course Name	Hr.	requisite	Year.
525-IE-3	Fire and Explosion Prevention	3	-	-
526-IE-3	Crisis and Disaster Management	3	-	-
527-IE-3	Occupational Health	3	-	-
534-IE-3	Designing and Improving Energy Systems	3	-	-
539-IE-3	Advanced Stochastic	3	232-IE-3 - S	-
552-IE-3	Advanced Logistics	3	-	-
563-IE-3	Advanced Ergonomics	3	-	-
Total		21		

Free Hrs. : 5

S : Pre-requisits
M : Co-requisits

Degree Plan

Degree : Bachelor **Faculty :** College of Engineering **Plan hrs :** 165

Semester : 461 **Dept :** Industrial Engineering **Plan Type :** Main

Edition : 9 **Major :** 080201 Industrial Engineering **Gender :** All

Council Session: 9 **Deanship Session:** **Faculty Session:** 7 **Dept Session:** 7

Council Date: 30/04/24 **Deanship Date:** **Faculty Date:** 24/01/24 **Dept Date:** 23/01/24

Group : Compulsory (15)

First

code	Course Name	Hr.	requisite	Year.
0212CTR-2	Moderation	2	-	-
0262DITE-2	Artificial Intelligence	2	-	-
0522ENG-5	Intensive English Program	5	-	-
1311MATH-3	Calculus 1	3	-	-
1413CHEM-4	General Chemistry	4	-	-
Total				16

Second

code	Course Name	Hr.	requisite	Year.
0221ARAB-2	Arabic Language Skills	2	-	-
1211STAT-2	Principles of Statistics & Probability	2	-	-
1311ENG-3	English Program 2	3	0522ENG-5 - S	-
1312MATH-3	Calculus 2	3	1311MATH-3 - S	-
1414PHYS-4	Physics 1	4	-	-
Total				14

Third

code	Course Name	Hr.	requisite	Year.
2213ME-2	Statics	2	-	-
2271IE-2	Data Input & Manipulation	2	-	-
2301MATH-3	Linear Algebra	3	-	-
2311ME-3	Engineering Drawing	3	-	-
2312ME-3	Materials Science	3	1413CHEM-4 - S 1414PHYS-4 - S	-
2411PHYS-4	Physics-2	4	1414PHYS-4 - S	-
Total				17

Fourth

code	Course Name	Hr.	requisite	Year.
0401MHR-4	Career Preparation Skills (Training 1)	4	-	-
2211IE-2	Intro to Industrial Engineering	2	-	-
2211GE-2	Technical Report Writing	2	-	-
2217ME-2	Dynamics	2	2213ME-2 - S	-
2301EE-3	Electrical Engineering 1	3	2301MATH-3 - S 1414PHYS-4 - S	-
2302MATH-3	Differentiation & Integration 3	3	1312MATH-3 - S	-
2315ME-3	Production Technology & Workshop	3	2311ME-3 - S	-
2331IE-3	Applied Statistics in Industrial Engineering	3	1211STAT-2 - S	-
Total				22

S : Pre-requisits
M : Co-requisits

Degree Plan

Degree : Bachelor **Faculty :** College of Engineering **Plan hrs :** 165

Semester : 461 **Dept :** Industrial Engineering **Plan Type :** Main

Edition : 9 **Major :** 080201 Industrial Engineering **Gender :** All

Council Session: 9 **Deanship Session:** **Faculty Session:** 7 **Dept Session:** 7

Council Date: 30/04/24 **Deanship Date:** **Faculty Date:** 24/01/24 **Dept Date:** 23/01/24

Fifth

code	Course Name	Hr.	requisite	Year.
3211GE-2	Professional Ethics	2	-	-
3240IE-2	Engineering Economy	2	-	-
3271IE-2	Regression & Forecasting	2	-	-
3301MATH-3	Differential Equations	3	1312MATH-3 - S	-
3311IE-3	Work Design & Measurement	3	2315ME-3 - S	-
3312IE-3	Manufacturing Processes	3	2315ME-3 - S	-
3331IE-3	Reliability & Maintenance Planning	3	1211STAT-2 - S	-
Total		18		

Sixth

code	Course Name	Hr.	requisite	Year.
3312MATH-3	Numerical Methods	3	3301MATH-3 - S	-
3313IE-3	Manufacturing Systems	3	3312IE-3 - S	-
3314IE-3	Design & Analysis of Experiments	3	3312IE-3 - S	-
3315IE-3	Production Planning & Control	3	3271IE-2 - S	-
3321IE-3	Operations Research 1	3	2301MATH-3 - S	-
3361INE-3	Human Factors Engineering	3	3311IE-3 - S	-
Total		18		

Seventh

code	Course Name	Hr.	requisite	Year.
4214IE-2	Engineering Management	2	-	-
4321IE-3	Operations Research 2	3	3321IE-3 - S	-
4331IE-3	Quality Control	3	3312IE-3 - S	-
4351IE-3	Supply Chain Planning, Design & Modelling	3	3321IE-3 - S	-
4361IE-3	Industrial Safety & Environmental Engineering	3	-	-
4371IE-3	Simulation Analysis & Design	3	2331IE-3 - S	-
Total		17		

Eighth

code	Course Name	Hr.	requisite	Year.
4800IE-8	Cooperative Training	8	-	-
Total		8		

Ninth

code	Course Name	Hr.	requisite	Year.
5212IE-2	Product Design & Development	2	3311IE-3 - S	-
5300IE-3	Capstone Design Project	3	-	-
5351IE-3	Facilities Planning	3	3315IE-3 - S	-
5371IE-3	Data Analytics & Decision Making	3	-	-
Total		11		

Tenth

code	Course Name	Hr.	requisite	Year.
5321IE-3	Queuing Systems	3	4371IE-3 - S	-
5372IE-3	Computer Aided Design & Manufacturing	3	2311ME-3 - S	-
5373IE-3	Intro to Artificial Intelligence	3	5371IE-3 - S	-
Total		9		

S : Pre-requisits
M : Co-requisits

Degree Plan

Degree : Bachelor **Faculty :** College of Engineering **Plan hrs :** 165

Semester : 461 **Dept :** Industrial Engineering **Plan Type :** Main

Edition : 9 **Major :** 080201 Industrial Engineering **Gender :** All

Council Session: 9 **Deanship Session:** **Faculty Session:** 7 **Dept Session:** 7

Council Date: 30/04/24 **Deanship Date:** **Faculty Date:** 24/01/24 **Dept Date:** 23/01/24

Group : Elective (2)

code	Course Name	Hr.	requisite	Year.
0211CTR-2	Ethics & Values	2	-	-
0213CTR-2	Rights	2	-	-
0214CTR-2	Building Awareness	2	-	-
0215CITI-2	Intro to National Culture	2	-	-
0231CTR-2	Thought & Philosophy	2	-	-
0241Art-2	Arts	2	-	-
0251BUS-2	Principles of Entrepreneurship	2	-	-
0261DITE-2	Intro to Computer Skills	2	-	-
0271CITI-2	Citizenship	2	-	-
0272CITI-2	National History	2	-	-
0281PUH-2	Health Awareness	2	-	-
0291VOLN-2	Volunteering Skills	2	-	-
Total		24		

S : Pre-requisits
M : Co-requisits

Degree Plan

Degree : Bachelor **Faculty :** College of Engineering **Plan hrs :** 165

Semester : 461 **Dept :** Industrial Engineering **Plan Type :** Main

Edition : 9 **Major :** 080201 Industrial Engineering **Gender :** All

Council Session: 9 **Deanship Session:** **Faculty Session:** 7 **Dept Session:** 7

Council Date: 30/04/24 **Deanship Date:** **Faculty Date:** 24/01/24 **Dept Date:** 23/01/24

Group : Elective (9)

code	Course Name	Hr.	requisite	Year.
5333IE-3	Advanced Stochastic Modeling	3	-	-
5352IE-3	Supply Chain Analysis	3	-	-
5353IE-3	Advance Logistics	3	-	-
5354IE-3	Global Sustainable Supply Chain Management	3	-	-
5355IE-3	Advanced Warehouse Management	3	-	-
5356IE-3	Supply Chain Economics	3	-	-
5361IE-3	Professional & Health Law	3	-	-
5362IE-3	Occupational Health	3	-	-
5363IE-3	Advanced Ergonomics	3	-	-
5364IE-3	Safety Systems	3	-	-
5365IE-3	Crisis & Disaster Management	3	-	-
5366IE-3	Fire & Explosion Prevention	3	-	-
Total		36		

Free Hrs. : 4

S : Pre-requisits
M : Co-requisits

Degree Plan

Degree : Bachelor **Faculty :** College of Engineering **Plan hrs :** 32

Semester : 461 **Dept :** Industrial Engineering **Plan Type :** Prep.

Edition : 4 **Major :** 080201 Industrial Engineering **Gender :** All

Council Session: **Deanship Session:** **Faculty Session:** **Dept Session:**

Council Date: **Deanship Date:** **Faculty Date:** **Dept Date:**

Group : Compulsory (13)

First

code	Course Name	Hr.	requisite	Year.
0212CTR-2	Moderation	2	-	-
0262DITE-2	Artificial Intelligence	2	-	-
0522ENG-5	Intensive English Program	5	-	-
1311MATH-3	Calculus 1	3	-	-
1413CHEM-4	General Chemistry	4	-	-
Total		16		

Second

code	Course Name	Hr.	requisite	Year.
0211CTR-2	Ethics & Values	2	-	-
0221ARAB-2	Arabic Language Skills	2	-	-
1211STAT-2	Principles of Statistics & Probability	2	-	-
1311ENG-3	English Program 2	3	0522ENG-5 - S	-
1312MATH-3	Calculus 2	3	1311MATH-3 - S	-
1414PHYS-4	Physics 1	4	-	-
Total		16		

S : Pre-requisits
M : Co-requisits