

Table 14: Courses distribution in the first academic years

1st Year of Study		Credits			
Semester #		Semester 1		Semester 2	
Course	Course Code	Theory	Lab	Theory	Lab
Mathematics for Engineers I	1810101	3			
Physics	1810102	3			
Fundamentals of Electrical Engineering I	1810103	3			
Fundamentals of Electrical Engineering I Lab	1810104		1		
Basics of Business Administration	1800001	2			
Low-Intermediate English	1800002	2			
Communications Skills	1800012	2			
Engineering Workshop and Safety	1810105	1	1		
Mathematics for Engineers II	1810106			3	
Fundamentals of Electrical Engineering II	1810107			3	
Fundamentals of Electrical Engineering II Lab	1810108				1
Physics Lab	1810114				1
Introduction to Industrial Engineering	1840101			2	
Chemistry	1840102			2	
Informatics	1810111			2	
Informatics I Lab	1810112				1
Intermediate English	1800003			2	
Principles of Marketing	1830251			2	
Total (Semester)		16	2	16	3
Total (Year)		37			

Table 15: Courses distribution in the second academic years

2nd Year of Study		Credits			
Semester #		Semester 3		Semester 4	
Course	Course Code	Theory	Lab	Theory	Lab
Mathematics for Engineers III	1810201	3			
Chemistry Lab	1840203		1		
Thermodynamics & Heat Transfer	1840204	3			
Maintenance Management	1840217	2			
Statics	1840205	2			
Upper-Intermediate English	1800004	2			
Electronics	1840206	2			
Informatics II	1810204	2			
Informatics II lab	1810205		1		
Engineering Materials (Metallurgy)	1840209			2	
Manufacturing Technology I	1840208			3	
Instrumentation and Measurement	1810208			3	
Instrumentation and Measurement Lab	1810209				1
Dynamics	1840232			2	
Electrical Workshop I	1810301			1	1
Engineering Drawing & Machine Elements Design	1840219			2	1
Advanced English	1800010			2	
Total (Semester)		16	2	15	3
Total (Year)		36			

Table 16: Courses distribution in the third academic years

3rd Year of Study		Credits			
Semester #		Semester 5		Semester 6	
Course	Course Code	Theory	Lab	Theory	Lab
Electrical Machines	1810323	3			
Electronics Lab	1840310		1		
Mechanics of Materials	1840311	2			
Sustainability (Environment, Recycling & Alternative Energy)	1840312	2			
Control Systems I	1810330	3			
Manufacturing Technology I Lab	1840313		1		
Fluid Mechanics	1840314	2			
Entrepreneurship	1800011	2			
Elective Course		2			
Factory Layout & Organization Planning	1840315			2	
Project Management	1830305			2	
Production & Operations Management	1830301			2	
Human Resource Management	1830302			2	
Electrical Machines Lab	1810324				1
Advanced Machine Design	1840333			3	
Quality Control	1840307			2	
Cost Accounting	1840353			2	
Total (Semester)		16	2	15	1
Total (Year)		34			

Table 17: Courses distribution in the fourth academic years

4th Year of Study		Credits			
Semester #		Semester 7		Semester 8	
Course	Course Code	Theory	Lab	Theory	Lab
Operations Research & Optimization	1840428	3			
Numerical Engineering Analysis	1810309	2			
Manufacturing Technology II	1840421	2			
University Requirement I	180007X	2			
University Requirement II	180007X	2			
Introduction to Graduation Project	1840402	3			
Engineering Economy	1840424	2			
Total Quality Management	1840425			3	
Management Information Systems	1840434			3	
Manufacturing Technology II Lab	1840422				1
Pneumatics & Hydraulics	1840416			3	
Special Topics in Industrial Engineering	1840426			3	
International Supply Chain Management	1831402			2	
University Requirement III	180007X			2	
Total (Semester)		16	0	16	1
Total (Year)		33			