

First Year						
First Semester				Second Semester		
Course No.	Course Title	Cr. Hrs		Course No.	Course Title	Cr. Hrs
0303101	General Physics (1)	3		0303102	General Physics (2)	3
0302101	Calculus (1)	3		0303103	General Physics Lab. (1)	1
0306101	General Chemistry (1)	3		0302102	Calculus (2)	3
0501100	Introduction to Engineering	1		0612114	C++	3
-	Compulsory University Requirement	3		-	Elective University Requirement	3
				-	Compulsory University Requirement	3
Total		13		Total		16
Second Year						
First Semester				Second Semester		
Course No.	Course Title	Cr. Hrs		Course No.	Course Title	Cr. Hrs
0502200	Numerical Analysis for Engineers	3		0509281	Engineering Measurements and Devices	3
0509202	Engineering Mathematics	3		0509211	Engineering Mechanics	3
0509271	Energy and the Environment	3		0502300	Communication Skills	1
0303104	General Physics Lab (2)	1		-	Elective University Requirement	3
0507231	Engineering Drawing	2		-	Compulsory University Requirement	3
-	Compulsory University Requirement	3		0501454	Engineering Economy	3
0507291	Workshop	1		0306103	General Chemistry Lab (1)	1
Total		16		Total		17

Third Year						
First Semester				Second Semester		
Course No.	Course Title	Cr. Hrs		Course No.	Course Title	Cr. Hrs
0509301	Computer Programming for Engineers	2		0509342	Heat and Mass Transfer	3
0507321	Fluid Mechanics	3		0509363	Fundamentals of Power Systems	3
0509361	Electrical & Electronic Principles	3		0509372	Renewable Energy Lab	1
0509341	Thermodynamics	3		0509362	Electrical & Electronic Lab	1
0509371	Renewable Energy Sources	3		0507322	Fluid Mechanics Lab	1
0509351	Mechanics of Material and Properties	3		-	Elective Department Requirement	3
0509282	Engineering Measurement and devices Lab	1		-	Elective University Requirement	3
Total		18		Total		15
Fourth Year						
First Semester				Second Semester		
Course No.	Course Title	Cr. Hrs		Course No.	Course Title	Cr. Hrs
-	Compulsory University Requirement	3		0509464	PV System technology	3
0509441	Solar Thermal Energy Systems	3		0509431	Computer-Aided Design	3
0509421	Turbo-Machinery	3		0509491	Energy Management	3
0509422	Computational Fluid Dynamics (CFD)	3		0509432	Introduction to Mechanical Design	3
0509462	Control Systems	3		0509481	Fuel Cell and Hydrogen Production	3
0509343	Thermodynamics and Heat Transfer Lab	1		0509463	Control Lab	1
				0509423	Computational Fluid Dynamics (CFD) Lab	1
Total		16		Total		17

Fourth Year		
Summer Semester		
Course No.	Course Title	Cr. Hrs
0509592	Practical Training	3

Fifth Year						
First Semester				Second Semester		
Course No.	Course Title	Cr. Hrs		Course No.	Course Title	Cr. Hrs
-	Elective Department Requirement	3		-	Elective Department Requirement	3
0509593	Graduation Project (1)	1		-	Elective University Requirement	3
0509571	Geothermal Energy	3		0509594	Graduation Project (2)	3
0509572	Wind Energy	3		0509574	Bioenergy and Biomass lab.	1
0509573	Bioenergy and Biomass	3		0509591	Energy Management in Building	3
0509575	Energy Storage Technology	3				
Total		16		Total		13