Course Structure Diagram with Course Credits

1st Year Fall Semester						
Course Code	Pre.	Course Name	Theory	Application/ Laboratory	Local Credits	ECTS
CHM101		GENERAL CHEMISTRY	3	2	4	6
ENG101		English I	3		3	5
MTH101		Mathematics I	4		4	5
PHY101		General Physics I	3	2	4	5
ECC103		Technical Drawing I	2	2	3	5
CAM100		Campus Orientation	2		0	2
CHC100		Cyprus History and Culture	0		2	2
Total						30

1st Year Spring Semester						
Course Code	Pre.	Course Name	Theory	Application/ Laboratory	Local Credits	ECTS
AUE101		Introduction . to Automotive Engineering	2		3	4
ENG102	ENG101	English II	3		3	5
MTH102	MTH101	Mathematics II	4		4	6
PHY102	PHY101	General Physics II	3	2	4	6
ECC106		Introduction to Computers and Programming	2	2	3	5
YİT-TUR101		Turkish for Foreign Students I	2		2	2
CAR 100		Career Planning	2		0	2
Total						30

2nd Year Fall Semester						
Course Code	Pre.	Course Name	Theory	Application/ Laboratory	Local Credits	ECTS

MTH201	MTH101	Ordinary Differential Equations	4		4	6
ECC206	PHY101	Statics	3	2	4	6
ECC207		Thermodynamics I	3	2	4	6
ECC211		Engineeering Materials	3	2	4	7
ENG201	ENG102	English III	3		3	5
Total						30
2nd Year Spring Semester						
Course Code	Pre.	Course Name	Theory	Application/ Laboratory	Local Credits	ECTS
MTH232	MTH101	Fluid Mechanics	3		3	5
ECC222	ECC211	Machine Design I	3	2	4	6
ECC208	ECC207	Principles of CAE	2	2	3	5
ECC212	PHY101	Basic Electricity & Electronics	2	2	3	5
ECC224	ECC206	Numerical Analaysis	3	2	4	6
YİT-T102	YİT-TUR101	Turkish for Foreign Students II	2		2	2
AUE200	ECC222	WorkShop Training			0	7,5
Total						36,5
3rd Year Fall Semester						
Course Code	Pre.	Course Name	Theory	Application/ Laboratory	Local Credits	ECTS
ECC304	MTH201	Fluid Mechanics	3	2	4	6
ECC307	ECC224	Machine Design I	3	2	4	6

ECC317		Principles of CAE	2	2	3	5
AUE315		Basic Electricity & Electronics	3		3	5
MTH323	MTH102	Numerical Analaysis	3		3	6
AİT101/103		Atatürk's Principles and Reforms I	2		2	2
Total						30

3rd Year Spring Semester

Course Code	Pre.	Course Name	Theory	Application/ Laboratory	Local Credits	ECTS
AUE316		Vehicle Components & Body Design	3		3	5
ECC308	ECC307	Machine Design II	3		4	6
ECC310	MTH201	Control Systems	2		3	5
ECC314	ECC212 MTH201	Dynamics of Machine Systems	3		4	6
ECC316	MTH201	Heat Transfer	3		4	6
AUE300		Indusrial Training			0	7,5
Total						35,5

4th Year Fall Semester

Course Code	Pre.	Course Name	Theory	Application/ Laboratory	Local Credits	ECTS
AUE401		Vehicle Dynamics	1	4	3	5
ECC424	MTH201 ECC212	Experimental Analysis of Mechanşcal Systems	1	4	3	6
ECC425		Internal Combustion Engines	1	4	3	6

ECC439		Occupational Health and Safety II	1	4	2	4
MEE427		Engineering Ethics	2		2	2
TE		Technical Elective			3	5
AIT102/104		Atatürk's Principles and Reform II	2		2	2
Total						30
4th Year Spring Semester						
Course Code	Pre.	Course Name	Theory	Application/ Laboratory	Local Credits	ECTS
Aue400		Graduation Project		8	4	10
TE		Technical Elective			3	5
TE		Technical Elective			3	5
TE		Technical Elective			3	5
TE		Technical Elective			3	5
Total						30
Field-Related / Technical Elective Courses						
Code	Pre.	Course Name	Theory	Application/ Laboratory	Local Credits	ECTS
AUE404		Vehicle Production Processes and Systems	3	0	3	6
AUE411		Transmission Systems	3	0	3	6
AUE421		Fuel Cells	3	0	3	6
AUE422		Internal Combustion Engine	3	0	3	6

		Design				
AUE431		Electronic Systems in Vehicles	3	0	3	6
AUE432		Automotive Sensors and Measurement Systems	3	0	3	6
AUE452		Electric and Hybrid Vehicle	3	0	3	6
AUE441		Intelligent Vehicle Technology	3	0	3	6
AUE442		Electronic Instrumentation	3	0	3	6
ME401	ECC304	Hydraulic Machinery	3	0	3	6
ME411	ECC316	Heating, Ventilating, Air Conditioning and Cooling Systems	3	0	3	6
ME416	ECC316	Solar Engineering	3	0	3	6
ME418	ECC208	Refrigeration Techniques	3	0	3	6
ME423	ECC316	Heat Exchanger Design	3	0	3	6
ME 425	ECC308	Machine Tools and Tool Design	3	0	3	6
ME426	ECC316	Introduction to Finite Elements Method	3	0	3	6
ME431		Energy Conversion Systems	3	0	3	6
ME 433	ECC316	Mass Transfer	3	0	3	6
ME 441	ECC304	Fluid Mechanics II	3	0	3	6
ME 442	ECC304	Gas Dynamics	3	0	3	6
ME 453	ECC211	Materials Engineering	3	0	3	6
ME 461	ECC211	Hoisting and Conveying Machines	3	0	3	6
ME475	ECC211	Material Failure Analysis	3	0	3	6

ECC433	ECC211	Heat Treatment	3	0	3	6
ECC434	ECC222	Quality Control	3	0	3	6
ECC481	ECC22	Sheet Metal Processes and Molding	3	0	3	6
ECC483	ECC307	Reverse Engineering Methods	3	0	3	6

Non Field-Related / Non-Technical Elective Courses						
Code	Pre.	Course Name	Theory	Application/Laboratory	Local Credits	ECTS
ECC 426	-	Economics for Engineers	3	0	3	6
ECC 427	-	Management for Engineers	3	0	3	6