

## Course Structure Diagram with Course Credits

1 <sup>st</sup> Year Fall Semester						
Course Code	Pre.	Course Name	Theory	Application/Laboratory	Local Credits	ECTS
CHM101		General Chemistry	3	2	4	5
ENG 101		English I	3	0	3	3
MTH101		Mathematics I	4	0	4	5
PHY101		General Physics I	3	2	4	5
ECC103		Engineering Drawing I	2	2	3	8
CAM100		Campus Orientation	2	0	0	2
CHC100		Cyprus History and Culture	2	0	2	2
<b>Total</b>						<b>30</b>

1 <sup>st</sup> Year Spring Semester						
Course Code	Pre.	Course Name	Theory	Application/Laboratory	Local Credits	ECTS
MEE104		Int. to Mechanical Engineering	2	0	2	7
ENG102	ENG101	English II	3	0	3	3
MTH102	MTH101	Mathematics II	4	0	4	6
PHY102	PHY101	General Physics II	3	2	4	6
ECC101		Int. to Computers and Prog.	2	2	3	4
YIT101		Turkish for Foreign Students I	2	0	2	2
CAR100		Career Planning	2	0	0	2
<b>Total</b>						<b>30</b>

2 <sup>nd</sup> Year Fall Semester						
Course Code	Pre.	Course Name	Theory	Application/Laboratory	Local Credits	ECTS
MTH201	MTH102	Differential Equations	4	0	4	6
ECC206	PHY101	Statics	3	2	4	7
ECC207		Thermodynamics I	3	2	4	7
ECC211		Engineering Materials	3	2	4	7
ENG201	ENG102	English III	3	0	3	3

<b>Total</b>	<b>30</b>
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2 <sup>nd</sup> Year Spring Semester						
Course Code	Pre.	Course Name	Theory	Application/Laboratory	Local Credits	ECTS
MTH232	MTH101	Mathematics for Engineers	3	0	3	5
ECC222	ECC211	Manufacturing Technology	3	2	4	6
ECC208	ECC207	Thermodynamics II	2	2	3	6
ECC 212	PHY101	Dynamics	2	2	3	5
ECC224	ECC206	Strength of Materials	3	2	4	6
MEE200		Workshop Training	0	0	0	3
YİT102	YİT101	Turkish for Foreign Students II	2	0	2	2
<b>Total</b>						<b>33</b>

3 <sup>rd</sup> Year Fall Semester						
Course Code	Pre.	Course Name	Theory	Application/Laboratory	Local Credits	ECTS
ECC304	MTH201	Fluid Mechanics I	3	2	4	7
ECC307	ECC224	Machine Design I	3	2	4	7
ECC317		Principles of CAE	2	2	3	6
FNTE		Free Non-Technical Elective	3	0	3	5
MTH323	MTH102	Numerical Analysis	3	0	3	5
<b>Total</b>						<b>30</b>

3 <sup>rd</sup> Year Spring Semester						
Course Code	Pre.	Course Name	Theory	Application/Laboratory	Local Credits	ECTS
ECC214	PHY102	Electrical Machinery	3	0	3	5
ECC 308	ECC307	Machine Design II	3	2	4	7
ECC 310	MTH201	Control Systems	2	2	3	5
ECC 314	ECC212/MTH201	Dynamics of Machine Systems	3	2	4	6
ECC316	MTH201	Heat Transfer	3	2	4	7

MEE300	MEE200	Industrial Training	0	0	0	8
<b>Total</b>						<b>38</b>

#### 4<sup>th</sup> Year Fall Semester

Course Code	Pre.	Course Name	Theory	Application/ Laboratory	Local Credits	ECTS
ECC424		Experimental Analysis of Mechanical Engineering Systems	1	4	3	8
TE		Technical Elective	3	0	3	6
TE		Technical Elective	3	0	3	6
TE		Technical Elective	3	0	3	6
MEE427		Engineering Ethics	2	0	2	2
AIT103		Atatürk's Prin.and Reform I	2	0	2	2
<b>Total</b>						<b>30</b>

#### 4<sup>th</sup> Year Spring Semester

Course Code	Pre.	Course Name	Theory	Application/ Laboratory	Local Credits	ECTS
ME400		Graduation Project	0	8	4	10
TE		Technical Elective	3	0	3	6
TE		Technical Elective	3	0	3	6
RNTE		Restricted Non-Tech. Elective	3	0	3	6
MEE450	MEE300	Power Plant Training	0	0	0	4
AIT104	AIT103	Atatürk's Prin.and Reform II	2	0	2	2
<b>Total</b>						<b>34</b>

#### Elective Courses

Code	Pre.	Course Name	Theory	Application/ Laboratory	Local Credits	ECTS
ME 401	ECC304	Hydraulic Machinery	3	0	3	6
ME 411	ECC316	Heating, Ventilating, Air Conditioning and Cooling Systems	3	0	3	6
ME 416	ECC316	Solar Engineering	3	0	3	6
ME 418	ECC208	Refrigeration Techniques	3	0	3	6

ME 423	ECC316	Heat Exchanger Design	3	0	3	6
ME 425	ECC308	Machine Tools and Tool Design	3	0	3	6
ME 426	ECC316	Introduction to Finite Elements Method	3	0	3	6
ME 431		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
ME 475	ECC211	Material Failure Analysis	3	0	3	6
ECC425	ECC208	Internal Combustion Engines	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 Mould Design	3	0	3	6
ECC483	ECC307	Reverse Engineering Methods	3	0	3	6

#### Non-Technical(Non Field-Related) 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