

**ENERGY ENGINEERING 2023-2024 FALL COURSE SCHEDULE**  
Undergraduate Courses

**1<sup>st</sup> SEMESTER**

Energy Engineering				
Course name	Lecturer	Credits/ECTS	L.Hs.	
MTH 0101	Calculus I	Mehmet Ünver	4/7	4 + 0
PHY 0103	Physics I	Eyüp Duman	4/7	4 + 0
CHM 121	General Chemistry I	Serap Durgut	3/4	3 + 0
CHM 125	General Chemistry Lab.	Reşit Cemaloğlu	2/3	0 + 4
ENE 101	Introduction to Energy Engineering	Yasemin Saygılı	1/2	1 + 0
ENE 103	Technical Drawing	Savaş Yağlıkçı	2/3	1 + 2
TUR 101	Turkish I	Meltem Ayabakan	2/1	2 + 0
HIS 101	Atatürk Principles and History of Revolution I	Hatice Miray Vurmay Güzel	2/1	2 + 0
ENG 101	Development of Reading and Writing Skills in English I	Sevda Erdoğan	4/2	4 + 0
OUL 101	Adaptation to University Life	-	0/0	0 + 0

Energy Systems Engineering				
Course name	Lecturer	Credits/ECTS	L.Hs.	
MTH 0101	Calculus I	Mehmet Ünver	4/7	4 + 0
PHY 0103	Physics I	Eyüp Duman	4/7	4 + 0
CHM 121	General Chemistry I	Serap Durgut	3/4	3 + 0
CHM 125	General Chemistry Lab.	Reşit Cemaloğlu	2/3	0 + 4
ENE 105	Introduction to Energy Engineering	Yasemin Saygılı	1/1	1 + 0
ENE 113	Technical Drawing	Savaş Yağlıkçı	2/2	1 + 2
TUR 101	Turkish I	Meltem Ayabakan	2/1	2 + 0
HIS 101	Atatürk Principles and History of Revolution I	Hatice Miray Vurmay Güzel	2/1	2 + 0
ENG 101	Development of Reading and Writing Skills in English I	Sevda Erdoğan	4/2	4 + 0
OUL 101	Adaptation to University Life	-	0/0	0 + 0
GENELSSOSSEC 1.YY	General Social Elective Courses		0/2	0 + 2

**1<sup>st</sup> YEAR SPRING SCHEDULE**

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
08:30 - 09:15		CHM 125 (Tandoğan Campus, CHM Dept. Organic Chm. Lab.)			
09:30 - 10:15		CHM 125 (Tandoğan Campus, CHM Dept. Organic Chm. Lab.)	PHY 0103 (ENE2)		
10:30 - 11:15		CHM 125 (Tandoğan Campus, CHM Dept. Organic Chm. Lab.)	PHY 0103 (ENE2)		
11:30 - 12:15	TUR 101 (online) (begins at 12:00)	CHM 125 (Tandoğan Campus, CHM Dept. Organic Chm. Lab.)			
12:30 - 13:15				ENE 103-113 Section A (Computer Lab.)	ENE 101-105 (ENE2)
13:30 - 14:15	ENG 101 (Seminar Room)	MTH 0101 (FDE Lecture Theater)	CHM 121 (ENE2)	ENE 103-113 Section A (Computer Lab.)	PHY 0103 (ENE2)
14:30 - 15:15	ENG 101 (Seminar Room)	MTH 0101 (FDE Lecture Theater)	CHM 121 (ENE2)	ENE 103-113 Section A (Computer Lab.)	PHY 0103 (ENE2)
15:30 - 16:15	ENG 101 (Seminar Room)	MTH 0101 (FDE Lecture Theater)	CHM 121 (ENE2)	ENE 103-113 Section B (Computer Lab.)	
16:30 - 17:15	ENG 101 (Seminar Room)	MTH 0101 (FDE Lecture Theater)		ENE 103-113 Section B (Computer Lab.)	
17:30 - 18:15				ENE 103-113 Section B (Computer Lab.)	
18:30 - 19:15					

**3<sup>rd</sup> SEMESTER**

<b>Energy Engineering</b>				
Course name	Lecturer	Credits/ECTS	L.Hs.	
ENE 211	Material Science	Özcan Köysüren	3/4	3 + 0
ENE 215	Material & Energy Balance	Özcan Köysüren	3/5	2 + 2
ENE 213	Circuit Analysis	Burak Özbey	3/4	3 + 0
STA 249	Probability & Statistics	Yeşim Güney	3/5	3 + 0
MTH 211	Differential Equations	Elif Demirci	3/5	2 + 2
ENG 201	Advanced Reading and Communication Techniques in English I	Sevda Erdoğan	4/2	4 + 0
GENELSSOSSEC1.YY	General Social Electives	-	0/2	0 + 2
SCIENGUNVELC	Science and Engineering (Module 2)	-	2/3	2 + 0

<b>Energy Systems Engineering</b>				
Course name	Lecturer	Credits/ECTS	L.Hs.	
ENE 211	Material Science	Özcan Köysüren	3/4	3 + 0
ENE 225	Mass & Energy Balance	Özcan Köysüren	3/5	3 + 0
ENE 223	Circuit Analysis	Burak Özbey	3/3	3 + 0
STA 249	Probability & Statistics	Yeşim Güney	3/5	3 + 0
MTH 211	Differential Equations	Elif Demirci	3/5	2 + 2
ENG 201	Advanced Reading and Communication Techniques in English I	Sevda Erdoğan	4/2	4 + 0
ENEALNSEC2	Energy Departmental Electives 2	-	3/3	3 + 0
UNVOUTELC	Group of University out of Field Elective Course	-	2/3	2 + 0

**ENEALNSEC2**

ENE 265	Engineering Economy	Jülide Zeynep Aydın	3/3	3 + 0
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**2<sup>nd</sup> YEAR SPRING SCHEDULE**

	<b>MONDAY</b>	<b>TUESDAY</b>	<b>WEDNESDAY</b>	<b>THURSDAY</b>	<b>FRIDAY</b>
<b>08:30 - 09:15</b>					
<b>09:30 - 10:15</b>	ENG 201 (Seminar Room)		MTH 211 (FDE Lecture Theater)		
<b>10:30 - 11:15</b>	ENG 201 (Seminar Room)		MTH 211 (FDE Lecture Theater)		
<b>11:30 - 12:15</b>	ENG 201 (Seminar Room)		MTH 211 (FDE Lecture Theater)	ENE 215-225 (ENE2)	
<b>12:30 - 13:15</b>	ENG 201 (Seminar Room)		MTH 211 (FDE Lecture Theater)	ENE 215-225 (ENE2)	
<b>13:30 - 14:15</b>		ENE 213-223 (ENE2)			
<b>14:30 - 15:15</b>	ENE 215-225 (ENE2)	ENE 213-223 (ENE2)	ENE 265 (FDE - Sait Tahsin Tekeli Classroom)	ENE 211 (ENE2)	STA 231-249 (Online)
<b>15:30 - 16:15</b>	ENE 215-225 (ENE2)	ENE 213-223 (ENE2)	ENE 265 (FDE - Sait Tahsin Tekeli Classroom)	ENE 211 (ENE2)	STA 231-249 (Online)
<b>16:30 - 17:15</b>			ENE 265 (FDE - Sait Tahsin Tekeli Classroom)	ENE 211 (ENE2)	STA 231-249 (Online)
<b>17:30 - 18:15</b>					
<b>18:30 - 19:15</b>					

**5<sup>th</sup> SEMESTER**

<b>Energy Engineering</b>				
Course name	Lecturer	Credits/ECTS	L.Hs.	
ENE 335	Heat & Mass Transfer	Yasemin Saygılı	3/6	2 + 2
ENE 307	Electrical Power Systems	Tolga Altınöz	3/5	3 + 0
ENE 303	Engineering Thermodynamics II	Savaş Yağlıkçı	3/5	2 + 2
ENEALNSEC	Energy Departmental Electives	-	3/4	3 + 0
ENEALNSEC	Energy Departmental Electives	-	3/4	3 + 0
SSCIHUUNVELC	Social Sciences and Humanities (Module 3)	-	2/3	2 + 0
SCS 301	Scientific, Cultural and Social Activities Course	-	0/3	0 + 0

<b>Energy Systems Engineering</b>				
Course name	Lecturer	Credits/ECTS	L.Hs.	
ENE 345	Heat & Mass Transfer	Yasemin Saygılı	3/5	3 + 2
ENE 329	Electrical Power Systems	Tolga Altınöz	3/3	3 + 0
ENE 319	Engineering Thermodynamics II	Savaş Yağlıkçı	3/4	2 + 2
ENE 337	Fluid Mechanics II	Mustafa Tutar	3/4	3 + 0
ENEALNSEC	Energy Departmental Electives	-	3/4	3 + 0
ENEALNSEC	Energy Departmental Electives	-	3/4	3 + 0
UNVOUTELC	Group of University out of Field Elective Course	-	2/3	2 + 0
SCS 301	Scientific, Cultural and Social Activities Course	-	0/3	0 + 0

ENEALNSEC

ENE 357	Pumps and Compressors	Mustafa Tutar	3/4	3 + 0
ENE 355	Measurement & Instrumentation	Eyüp Duman	3/4	3 + 0
ENE 359	Engineering Economy	Jülide Zeynep Aydın	3/4	3 + 0

ENEALNSEC

ENE 357	Pumps and Compressors	Mustafa Tutar	3/4	3 + 0
ENE 355	Measurement & Instrumentation	Eyüp Duman	3/4	3 + 0

**3<sup>rd</sup> YEAR SPRING SCHEDULE**

	<b>MONDAY</b>	<b>TUESDAY</b>	<b>WEDNESDAY</b>	<b>THURSDAY</b>	<b>FRIDAY</b>
<b>08:30 - 09:15</b>					
<b>09:30 - 10:15</b>	ENE 307-329 (EEE L102)	ENE 303-319 (ENE2)		ENE 303-319 (ENE2)	ENE 335-345 (ENE2)
<b>10:30 - 11:15</b>	ENE 307-329 (EEE L102)	ENE 303-319 (ENE2)		ENE 303-319 (ENE2)	ENE 335-345 (ENE2)
<b>11:30 - 12:15</b>	ENE 307-329 (EEE L102)	ENE 335-345 (ENE2)	ENE 355 (ENE4)		
<b>12:30 - 13:15</b>		ENE 335-345 (ENE2)	ENE 355 (ENE4)		
<b>13:30 - 14:15</b>			ENE 355 (ENE4)	ENE 357 (ENE4)	
<b>14:30 - 15:15</b>			ENE 359 (FDE - Sait Tahsin Tekeli Classroom)	ENE 357 (ENE4)	
<b>15:30 - 16:15</b>			ENE 359 (FDE - Sait Tahsin Tekeli Classroom)	ENE 357 (ENE4)	
<b>16:30 - 17:15</b>			ENE 359 (FDE - Sait Tahsin Tekeli Classroom)		
<b>17:30 - 18:15</b>					
<b>18:30 - 19:15</b>					

**7<sup>th</sup> SEMESTER**

<b>Energy Engineering</b>				
Course name	Lecturer	Credits/ECTS	L.Hs.	
ENE 409	Energy Design Project I	-	4/5	3 + 2
ENE 411	Engineering Lab II	-	2/4	0 + 4
ENE 497	Summer Practice	-	0/5	0 + 0
ENE 413	Occupational Hazard and Safety I	Jülide Zeynep Aydın	1/1	1 + 0
LNGLRNUNVELC	Language Learning (Module 6)	-	2/3	2 + 0
ENEALNSEC	Energy Departmental Electives	-	3/4	3 + 0
ENEALNSEC	Energy Departmental Electives	-	3/4	3 + 0
ENEALNSEC	Energy Departmental Electives	-	3/4	3 + 0

<b>Energy Systems Engineering</b>				
Course name	Lecturer	Credits/ECTS	L.Hs.	
ENE 409	Energy Design Project I	-	4/5	3 + 2
ENE 411	Engineering Lab II	-	2/4	0 + 4
ENE 497	Summer Practice	-	0/5	0 + 0
ENE 413	Occupational Hazard and Safety I	-	1/1	1 + 0
ENEALNSEC2	Energy Departmental Electives 2	-	3/3	3 + 0
ENEALNSEC	Energy Departmental Electives	-	3/4	3 + 0
ENEALNSEC	Energy Departmental Electives	-	3/4	3 + 0
ENEALNSEC	Energy Departmental Electives	-	3/4	3 + 0

**ENEALNSEC**

ENE 467	Polymer Technology	Özcan Köysüren	3/4	3 + 0
ENE 473	Fuels and Combustion	Savaş Yağlıkçı	3/4	3 + 0
ENE 465	Energy Storage Devices	Savaş Yağlıkçı	3/4	3 + 0
ENE 423	Control System Analysis	Tolga Altınöz	3/4	3 + 0
MTA 4013	Biomass Conversion Technologies	Ersin Üresin	2/5	2 + 0
MTA 4021	Hydrogen and Fuel Cell Technology	Çiğdem Karadağ	2/5	2 + 0
MTA 4015	Introduction to Electrical Power and Energy Metrology	Şeyma Ata	2/5	2 + 0

**ENEALNSEC**

ENE 467	Polymer Technology	-	3/4	3 + 0
ENE 473	Fuels and Combustion	-	3/4	3 + 0
ENE 465	Energy Storage Devices	-	3/4	3 + 0
ENE 423	Control System Analysis	-	3/4	3 + 0

**ENEALNSEC2**

ENE 483	The Fundamentals of Energy in Buildings	-	3/3	3 + 0
ENE 485	Process Control	-	3/3	3 + 0
ENE 469	Ionic Liquids in the Biorefinery Concept	-	3/3	3 + 0

**4<sup>th</sup> YEAR SPRING SCHEDULE**

	<b>MONDAY</b>	<b>TUESDAY</b>	<b>WEDNESDAY</b>	<b>THURSDAY</b>	<b>FRIDAY</b>
<b>08:30 - 09:15</b>					
<b>09:30 - 10:15</b>	ENE 467 (ENE4)		ENE 409	ENE 423 (EEE L102)	ENE 411 (Engineering Laboratory)
<b>10:30 - 11:15</b>	ENE 467 (ENE4)		ENE 409	ENE 423 (EEE L102)	ENE 411 (Engineering Laboratory)
<b>11:30 - 12:15</b>	ENE 467 (ENE4)	ENE 473 (ENE4)	ENE 409	ENE 423 (EEE L102)	ENE 411 (Engineering Laboratory)
<b>12:30 - 13:15</b>		ENE 473 (ENE4)	ENE 409		ENE 411 (Engineering Laboratory)
<b>13:30 - 14:15</b>		ENE 473 (ENE4)	ENE 409		
<b>14:30 - 15:15</b>		ENE 465 (ENE4)	MTA 4015 (online)		
<b>15:30 - 16:15</b>		ENE 465 (ENE4)	MTA 4015 (online)		
<b>16:30 - 17:15</b>		ENE 465 (ENE4)			
<b>17:30 - 18:15</b>	ENE 413 (online)			MTA 4021 (online)	
<b>18:30 - 19:15</b>	MTA 4013 (online)			MTA 4021 (online)	
<b>19:30 - 20:15</b>	MTA 4013 (online)				

EEE : Electrical and Electronics Engineering Department

FDE : Food Engineering Department

CHM : Chemistry Department

Note: The students who are registered before 2018 and added ENE 301 Energy Conversion Processes I, should contact Dr. Özgür Selimođlu for lecture hours.