

## VOCATIONAL SCHOOL OF TRANSPORTATION

Education and training activities in nine associate degree programs started in 2012-2013 academic year at Eskişehir Technical University VOCATIONAL SCHOOL OF TRANSPORTATION by incorporating programs about Railroad Electrical and Electronics Technologies, Railroad Transportation Management, Railroad Machine Technology, Rail Transport Mechanic Training, Railroad Construction, Transportation and Traffic Services, Aircraft Technology Programs at Anadolu University Porsuk Vocational School and Civil Aviation and Cabin Services, Logistic Programs at Anadolu University Eskişehir Vocational School. The education in associate degree programs related to transportation previously situated at Eskişehir Technical University Porsuk Vocational School, "Railroad Electrical and Electronics Technologies", "Railroad Machine Technology", "Railroad Transportation Management", "Railroad Construction" and "Transportation and Traffic Services" started in 2001-2002 academic year, "Rail Transport Mechanic Training" and "Logistic Programs" started in 2009-2010 academic year and "Civil Aviation and Cabin Services" and "Aircraft Technology Programs" started in 2010-2011 academic year. The all associate degree programs at Eskişehir Technical University Vocational School of Transportation are situated within Transportation Services Essential Areas within the scope of Bologna Process National Qualifications Framework for Higher Education in Turkey (NQF-HETR).

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Deputy Director	: Lecturer Zafer Hüseyin ERGAN
Deputy Director	: Assoc. Prof.Dr.Mehmet Mete ÖZTÜRK
Secretary to the school	: Ercan ARMUTLU

### STAFF

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Gülşen Serap ÇEKEROL

#### Associate Professors:

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## DEPARTMENT OF MOTOR VEHICLES AND TRANSPORTATION TECHNOLOGY

### PROGRAM IN RAILROAD ELECTRIC AND ELECTRONICS

Transportation both in local and countrywide scale is important and got complex relationships with various factors. The recent changes in daily life generated a demand for time, comfort, safety and economy. The role of railway transportation in industrial and economic growth is well understood. The new concepts in signalling and traffic administration made it easier to manage complex networks of railways. Railway has a greater role in transportation. The need of skilled labour in electrics and electronics is a growing demand. The construction of subways also generated a demand in skilled technicians. The purpose of the program is graduate the technicians highly skilled and equipped with technical information and appliances in the industry. TCDD and Anadolu University signed a protocol, which TCDD equipment is supplied and professionals are holding lectures.

## PROGRAM

<b>I. Semester</b>			<b>II. Semester</b>		
EMAT 101	Calculus I	3+0 4,0	EMAT 102	Calculus II	3+0 4,0
İNG 187 (Eng.)	English I	3+0 3,0	İNG 188 (Eng.)	English II	3+0 3,0
RAY 101	Introduction to Railway Transportation	3+0 5,0	RAY 102	Railway System Traffic	3+0 4,0
RAY 103	Work Safety	2+0 3,5	RAY 110	Measurement Technique	2+2 5,0
RAY 115	Scientific Principles of Technology I	2+0 2,0	RAY 116	Scientific Principles of Technology II	2+0 2,0
TAR 165	Atatürk's Principles and History of Turkish Revolution I	2+0 2,0	RAY 126	Circuit Analysis	4+2 6,0
TRS 102	Technical Drawing	2+2 4,5	TAR 166	Atatürk's Principles and History of Turkish Revolution II	2+0 2,0
TÜR 125	Turkish Language I	2+0 2,0	TÜR 126	Turkish Language II	2+0 2,0
	Area Elective Courses	4,0		Elective Courses	2,0
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		30,0			30,0

<b>III. Semester</b>			<b>IV. Semester</b>		
RAY 201	Urban Railway Transportation Systems I	3+0 4,0	RAY 202	Urban Railway Transportation Systems II	3+0 4,0
RAY 209	Energy Plants	2+2 4,0	RAY 212	Electrical Management Plants II	2+2 3,0
RAY 211	Electrical Management Plants I	2+2 3,0	RAY 214	Communication Technology II	2+2 3,0
RAY 213	Communication Technology	2+2 3,0	RAY 218	Telephone Station Technology	2+0 2,0
RAY 235	Electronics	3+2 4,0	RAY 234 (Eng.)	Technical English	3+0 3,0
	Area Elective Courses	12,0	RAY 236	Signal Technique	2+2 3,0
			UMYO 297	Internship	0+2 5,0
				Area Elective Courses	3,0
				Elective Courses	4,0

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### Area Elective Courses

İŞL 220	Labor Legislation	2+2	4,0	RAY 255	Maintenance of Railway Vehicle and Certification	2+2	4,0
RAY 107	Transportation of Dangerous Substances	3+1	4,0	RAY 257	New Technologies in Rail Systems	2+2	4,0
RAY 228	Introduction to Human Resources	2+2	4,0	RAY 261	Railway System Vehicle Mechatronics I	3+1	4,0
RAY 230	Introduction to Railway Networks	2+2	4,0	RAY 262	Railway System Vehicle Mechatronics II	3+1	4,0
RAY 231	Introduction to Railway System Administration	2+2	4,0	RAY 264	Cultural Values in Railway Transportation	2+2	4,0
RAY 233	Introduction to Machinery	2+2	4,0	RAY 266	New Approaches in Railroad Traffic Management	2+2	4,0
RAY 237	Historical Development of Railways	2+2	4,0	RAY 268	Scientific Principles in Railway Engineering	2+2	4,0
RAY 242	Computer Aid Circuit Analysis	2+2	4,0	TOP 102	Surveying	2+2	4,5
RAY 244	Digital Electronic	2+2	4,0	UMYO 105	Basic Computer Skills	3+1	5,0

### Elective Courses

BEÖ 155	Physical Education	2+0	2,0	ESTÜ 123	Gender Equality in Work Life	2+0	3,0
ESTÜ 101	Introduction to University Life	0+1	2,0	ESTÜ 125	Philosophy of Science	3+0	3,0
ESTÜ 102	Negotiation Techniques Class	2+0	3,0	ESTÜ 127	Diction	1+2	3,0
ESTÜ 103	Ceramic Design Processes	2+1	3,0	ESTÜ 129	Turkish as a Foreign Language I	2+0	2,0
ESTÜ 104	Academic and Life Skills	2+1	3,0	ESTÜ 130	Turkish as a Foreign Language II	2+0	2,0
ESTÜ 105	Big Data Analysis with SQL	2+2	4,5	ESTÜ 201	Turkish Sign Language	3+0	3,0
ESTÜ 106	Project Management	2+1	3,0	ESTÜ 203	Introduction to Sociology	3+0	3,0

ESTÜ 111	Volunteering Works	1+2	4,0	ESTÜ 204	Effective Reading and Writing Skills	3+0	4,0
ESTÜ 112	Cyber Security for Everyone	2+0	2,0	ESTÜ 206	Financial Literacy	3+0	3,0
ESTÜ 113	Design Thinking	3+0	3,0	ESTÜ 301	Science Communication	2+0	3,0
ESTÜ 114	Visual Thinking	3+0	3,0	ESTÜ 307	Children Rights and Family Education	2+0	2,0
ESTÜ 115	Photographic Viewpoint	2+1	3,0	ESTÜ 401	Introduction to Professional Life	1+1	2,0
ESTÜ 116	Computer Aided Design I	3+0	3,0	ESTÜ 402	Coaching and Leadership	3+0	3,0
ESTÜ 117	Computer Aided Design II	3+0	3,0	ESTÜ 403	Basic Computer Utilization	3+0	4,0
ESTÜ 118	Visual Thinking with Concepts	3+0	3,0	ESTÜ 405	Computer Programming	3+0	5,0
ESTÜ 119	Flute	3+1	3,0	SAN 155	Hall Dances	0+2	2,0
ESTÜ 120	Solfege	3+1	3,0	THU 203	Community Services	0+2	3,0
ESTÜ 121	Piano	3+1	3,0	UMYO 296	Elective Internship	0+2	5,0
ESTÜ 122	Guitar	3+1	3,0				

## PROGRAM IN RAILROAD MACHINE TECHNOLOGY

Transportation both in local and countrywide scale is important and got complex relationships with various factors. The recent changes in daily life generated a demand for time, comfort, safety and economy. The role of railway transportation in industrial and economic growth is well understood. The new concepts in signalling and traffic administration made it easier to manage complex networks of railways. Railway has a greater role in transportation. The need of skilled labour in mechanics is a growing demand. The construction of subways also generated a demand in skilled technicians. The purpose of the program is graduate the technicians highly skilled and equipped with technical information and appliances in the industry. TCDD and Anadolu University signed a protocol, which TCDD equipment is supplied and professionals are holding lectures.

### PROGRAM

I. Semester				II. Semester			
EMAT 101	Calculus I	3+0	4,0	ELE 102	Basics of Electricity	2+2	3,0
İNG 187	(Eng.) English I	3+0	3,0	EMAT 102	Calculus II	3+0	4,0
RAY 101	Introduction to Railway Transportation	3+0	5,0	İNG 188	(Eng.) English II	3+0	3,0
RAY 103	Work Safety	2+0	3,5	MEK 104	Statics Strength of Materials	3+0	4,5

RAY 115	Scientific Principles of Technology I	2+0	2,0	RAY 102	Railway System Traffic	3+0	4,0
TAR 165	Atatürk's Principles and History of Turkish Revolution I	2+0	2,0	RAY 116	Scientific Principles of Technology II	2+0	2,0
TRS 102	Technical Drawing	2+2	4,5	RAY 130	Introduction to Machines	2+2	3,5
TÜR 125	Turkish Language I	2+0	2,0	TAR 166	Atatürk's Principles and History of Turkish Revolution II	2+0	2,0
	Area Elective Courses		4,0	TÜR 126	Turkish Language II	2+0	2,0
					Elective Courses		2,0
			<hr/>				<hr/>
			30,0				30,0

### III. Semester

MLZ 104	Handling	2+2	3,0	RAY 202
RAY 120	Train Mechanics	2+2	3,0	RAY 204
RAY 201	Urban Railway Transportation Systems I	3+0	4,0	RAY 206
RAY 203	Basics of Engine	2+2	4,0	RAY 208
RAY 207	Electric Engines	2+2	4,0	RAY 234 (Eng.)
RAY 239	Towing Vehicles I	2+2	4,0	RAY 240
	Area Elective Courses		8,0	UMYO 297
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			30,0	

### IV. Semester

RAY 202	Urban Railway Transportation Systems II	3+0	4,0
RAY 204	Railway Cars	2+2	4,0
RAY 206	Trains and Roundhouses	2+2	4,0
RAY 208	Basics of Brake	2+2	4,0
RAY 234 (Eng.)	Technical English	3+0	3,0
RAY 240	Towing Vehicles II	2+2	3,0
UMYO 297	Internship	0+2	5,0
	Elective Courses		3,0
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			30,0

### Area Elective Courses

İŞL 220	Labor Legislation	2+2	4,0	RAY 255	Maintenance of Railway Vehicle and Certification	2+2	4,0
MAK 252	Energy Management	1+1	2,0	RAY 257	New Technologies in Rail Systems	2+2	4,0

RAY 105	Introduction to Locomotive Electrical Systems	3+1	4,0	RAY 261	Railway System Vehicle Mechatronics I	3+1	4,0
RAY 107	Transportation of Dangerous Substances	3+1	4,0	RAY 262	Railway System Vehicle Mechatronics II	3+1	4,0
RAY 228	Introduction to Human Resources	2+2	4,0	RAY 264	Cultural Values in Railway Transportation	2+2	4,0
RAY 229	Introduction to Electric-Electronics	2+2	4,0	RAY 266	New Approaches in Railroad Traffic Management	2+2	4,0
RAY 230	Introduction to Railway Networks	2+2	4,0	RAY 268	Scientific Principles in Railway Engineering	2+2	4,0
RAY 231	Introduction to Railway System Administration	2+2	4,0	TOP 102	Surveying	2+2	4,5
RAY 237	Historical Development of Railways	2+2	4,0	UMYO 105	Basic Computer Skills	3+1	5,0
RAY 244	Digital Electronic	2+2	4,0				

### Elective Courses

BEÖ 155	Physical Education	2+0	2,0	ESTÜ 123	Gender Equality in Work Life	2+0	3,0
ESTÜ 101	Introduction to University Life	0+1	2,0	ESTÜ 125	Philosophy of Science	3+0	3,0
ESTÜ 102	Negotiation Techniques Class	2+0	3,0	ESTÜ 127	Diction	1+2	3,0
ESTÜ 103	Ceramic Design Processes	2+1	3,0	ESTÜ 129	Turkish as a Foreign Language I	2+0	2,0
ESTÜ 104	Academic and Life Skills	2+1	3,0	ESTÜ 130	Turkish as a Foreign Language II	2+0	2,0
ESTÜ 105	Big Data Analysis with SQL	2+2	4,5	ESTÜ 201	Turkish Sign Language	3+0	3,0
ESTÜ 106	Project Management	2+1	3,0	ESTÜ 203	Introduction to Sociology	3+0	3,0
ESTÜ 111	Volunteering Works	1+2	4,0	ESTÜ 204	Effective Reading and Writing Skills	3+0	4,0
ESTÜ 112	Cyber Security for Everyone	2+0	2,0	ESTÜ 206	Financial Literacy	3+0	3,0
ESTÜ 113	Design Thinking	3+0	3,0	ESTÜ 301	Science Communication	2+0	3,0
ESTÜ 114	Visual Thinking	3+0	3,0	ESTÜ 307	Children Rights and Family Education	2+0	2,0
ESTÜ 115	Photographic Viewpoint	2+1	3,0	ESTÜ 401	Introduction to Professional Life	1+1	2,0
ESTÜ 116	Computer Aided Design I	3+0	3,0	ESTÜ 402	Coaching and Leadership	3+0	3,0

ESTÜ 117	Computer Aided Design II	3+0	3,0	ESTÜ 403	Basic Computer Utilization	3+0	4,0
ESTÜ 118	Visual Thinking with Concepts	3+0	3,0	ESTÜ 405	Computer Programming	3+0	5,0
ESTÜ 119	Flute	3+1	3,0	SAN 155	Hall Dances	0+2	2,0
ESTÜ 120	Solfege	3+1	3,0	THU 203	Community Services	0+2	3,0
ESTÜ 121	Piano	3+1	3,0	UMYO 296	Elective Internship	0+2	5,0
ESTÜ 122	Guitar	3+1	3,0				

## PROGRAM IN RAIL TRANSPORT MECHANIC TRAINING

As one of the most essential elements of economic and social life, transportation both in local and countrywide has relationships with various factors. The recent changes in daily life around the world generated a demand to live more comfortably, safely and use time more efficiently. The role of safe and fast railway transportation in industrial and economic growth is well understood in our country as well. The need to educate train drivers ,who take up significant missions in railroad transport, with the latest practices is regarded as one of the important national issues. The purpose of the program opened in Vocational School of Transportation is to train drivers who are highly skilled and equipped with technical information and appliances in the industry, and have a high sense of responsibility and mission. TCDD and Anadolu University signed a protocol, by which TCDD is expected to support this training in every aspect.

### PROGRAM

I. Semester				II. Semester			
EMAT 101	Calculus I	3+0	4,0	ELE 102	Basics of Electricity	2+2	3,0
İNG 187	(Eng.) English I	3+0	3,0	EMAT 102	Calculus II	3+0	4,0
RAY 101	Introduction to Railway Transportation	3+0	5,0	İNG 188	(Eng.) English II	3+0	3,0
RAY 103	Work Safety	2+0	3,5	MEK 104	Statics Strength of Materials	3+0	4,5
RAY 115	Scientific Principles of Technology I	2+0	2,0	RAY 116	Scientific Principles of Technology II	2+0	2,0
TAR 165	Atatürk's Principles and History of Turkish Revolution I	2+0	2,0	RAY 130	Introduction to Machines	2+2	3,5
TRS 102	Technical Drawing	2+2	4,5	RAY 148	Railway System Traffic I	3+0	4,0
TÜR 125	Turkish Language I	2+0	2,0	TAR 166	Atatürk's Principles and History of Turkish Revolution II	2+0	2,0
	Area Elective Courses		4,0	TÜR 126	Turkish Language II	2+0	2,0
					Elective Courses		2,0

							30,0		30,0
<b>III. Semester</b>				<b>IV. Semester</b>					
MLZ 104	Handling	2+2	3,0	RAY 202	Urban Railway Transportation Systems II	3+0	4,0		
RAY 201	Urban Railway Transportation Systems I	3+0	4,0	RAY 234	(Eng.) Technical English	3+0	3,0		
RAY 203	Basics of Engine	2+2	4,0	RAY 245	Telecommunication Technique	2+0	2,0		
RAY 207	Electric Engines	2+2	4,0	RAY 246	Train Driving Signal Technique	2+0	2,0		
RAY 249	Railway System Traffic II	3+0	4,0	RAY 248	Train Drive Techniques	2+2	3,0		
RAY 251	Train Mechanics I	3+0	3,0	RAY 252	Train Mechanics II	3+0	3,0		
RAY 253	Towing Vehicles	2+2	4,0	RAY 256	Railway Cars	2+0	3,0		
	Area Elective Courses		4,0	RAY 258	Railway Networks	2+0	2,0		
				UMYO 297	Internship	0+2	5,0		
					Elective Courses		3,0		
			30,0				30,0		

#### Area Elective Courses

İŞL 220	Labor Legislation	2+2	4,0	RAY 254	European Union Transportation Legislation	2+2	4,0		
RAY 107	Transportation of Dangerous Substances	3+1	4,0	RAY 255	Maintenance of Railway Vehicle and Certification	2+2	4,0		
RAY 206	Trains and Roundhouses	2+2	4,0	RAY 257	New Technologies in Rail Systems	2+2	4,0		
RAY 228	Introduction to Human Resources	2+2	4,0	RAY 261	Railway System Vehicle Mechatronics I	3+1	4,0		
RAY 229	Introduction to Electric-Electronics	2+2	4,0	RAY 262	Railway System Vehicle Mechatronics II	3+1	4,0		



RAY 231	Introduction to Railway System Administration	2+2	4,0	RAY 264	Cultural Values in Railway Transportation	2+2	4,0
RAY 237	Historical Development of Railways	2+2	4,0	RAY 266	New Approaches in Railroad Traffic Management	2+2	4,0
RAY 241	Locomotive Failure and Maintenance Techniques	3+0	2,0	RAY 268	Scientific Principles in Railway Engineering	2+2	4,0
RAY 243	Electrical Management Plants	3+0	2,0	TOP 102	Surveying	2+2	4,5
RAY 247	Train Air Conditioning	2+2	4,0	UMYO 105	Basic Computer Skills	3+1	5,0

### Elective Courses

BEÖ 155	Physical Education	2+0	2,0	ESTÜ 123	Gender Equality in Work Life	2+0	3,0
ESTÜ 101	Introduction to University Life	0+1	2,0	ESTÜ 125	Philosophy of Science	3+0	3,0
ESTÜ 102	Negotiation Techniques Class	2+0	3,0	ESTÜ 127	Diction	1+2	3,0
ESTÜ 103	Ceramic Design Processes	2+1	3,0	ESTÜ 129	Turkish as a Foreign Language I	2+0	2,0
ESTÜ 104	Academic and Life Skills	2+1	3,0	ESTÜ 130	Turkish as a Foreign Language II	2+0	2,0
ESTÜ 105	Big Data Analysis with SQL	2+2	4,5	ESTÜ 201	Turkish Sign Language	3+0	3,0
ESTÜ 106	Project Management	2+1	3,0	ESTÜ 203	Introduction to Sociology	3+0	3,0
ESTÜ 111	Volunteering Works	1+2	4,0	ESTÜ 204	Effective Reading and Writing Skills	3+0	4,0
ESTÜ 112	Cyber Security for Everyone	2+0	2,0	ESTÜ 206	Financial Literacy	3+0	3,0
ESTÜ 113	Design Thinking	3+0	3,0	ESTÜ 301	Science Communication	2+0	3,0
ESTÜ 114	Visual Thinking	3+0	3,0	ESTÜ 307	Children Rights and Family Education	2+0	2,0
ESTÜ 115	Photographic Viewpoint	2+1	3,0	ESTÜ 401	Introduction to Professional Life	1+1	2,0
ESTÜ 116	Computer Aided Design I	3+0	3,0	ESTÜ 402	Coaching and Leadership	3+0	3,0
ESTÜ 117	Computer Aided Design II	3+0	3,0	ESTÜ 403	Basic Computer Utilization	3+0	4,0
ESTÜ 118	Visual Thinking with Concepts	3+0	3,0	ESTÜ 405	Computer Programming	3+0	5,0

ESTÜ 119	Flute	3+1	3,0	SAN 155	Hall Dances	0+2	2,0
ESTÜ 120	Solfege	3+1	3,0	THU 203	Community Services	0+2	3,0
ESTÜ 121	Piano	3+1	3,0	UMYO 296	Elective Internship	0+2	5,0
ESTÜ 122	Guitar	3+1	3,0				

## PROGRAM IN RAILROAD CONSTRUCTION

Transportation both in local and countrywide scale is important and got complex relationships with various factors. The recent changes in daily life generated a demand for time, comfort, safety and economy. The role of railway transportation in industrial and economic growth is well understood. The new concepts in signalling and traffic administration made it easier to manage complex networks of railways. Railway has a greater role in transportation. The need of skilled labour in construction and maintenance is a growing demand. The construction of subways also generated a demand in skilled technicians. The purpose of the program is graduate the technicians highly skilled and equipped with technical information and appliances in the industry. TCDD and Anadolu University signed a protocol, which TCDD equipment is supplied and professionals are holding lectures.

### PROGRAM

I. Semester				II. Semester			
EMAT 101	Calculus I	3+0	4,0	EMAT 102	Calculus II	3+0	4,0
İNG 187	(Eng.) English I	3+0	3,0	İNG 188	(İng.) English II	3+0	3,0
RAY 101	Introduction to Railway Transportation	3+0	5,0	MEK 104	Statics Strength of Materials	3+0	4,5
RAY 103	Work Safety	2+0	3,5	RAY 102	Railway System Traffic	3+0	4,0
RAY 115	Scientific Principles of Technology I	2+0	2,0	RAY 116	Scientific Principles of Technology II	2+0	2,0
TAR 165	Atatürk's Principles and History of Turkish Revolution I	2+0	2,0	RAY 132	Construction Materials	2+0	2,0
TRS 102	Technical Drawing	2+2	4,5	TAR 166	Atatürk's Principles and History of Turkish Revolution II	2+0	2,0
TÜR 125	Turkish Language I	2+0	2,0	TOP 102	Surveying	2+2	4,5
	Area Elective Courses		4,0	TÜR 126	Turkish Language II	2+0	2,0
					Elective Courses		2,0
			30,0				30,0

### III. Semester

### IV. Semester

MEK 211	Soil Mechanics	3+0	4,0	RAY 202	Urban Railway Transportation Systems II	3+0	4,0
RAY 201	Urban Railway Transportation Systems I	3+0	4,0	RAY 220	Superstructure Technique and Maintenance	3+2	4,0
RAY 217	Infrastructure and Maintenance	2+2	4,0	RAY 222	Rail Welding	2+2	3,0
RAY 221	Road Machines	2+0	2,0	RAY 224	Railroad Project and Railroad Technique	2+2	4,0
TRA 203	Bridges and Tunnels	3+0	4,0	RAY 234 (Eng.)	Technical English	3+0	3,0
	Area Elective Courses		12,0	UMYO 297	Internship	0+2	5,0
					Area Elective Courses		3,0
					Elective Courses		4,0
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			30,0				30,0

#### Area Elective Courses

İŞL 220	Labor Legislation	2+2	4,0	RAY 257	New Technologies in Rail Systems	2+2	4,0
RAY 107	Transportation of Dangerous Substances	3+1	4,0	RAY 261	Railway System Vehicle Mechatronics I	3+1	4,0
RAY 228	Introduction to Human Resources	2+2	4,0	RAY 262	Railway System Vehicle Mechatronics II	3+1	4,0
RAY 229	Introduction to Electric-Electronics	2+2	4,0	RAY 264	Cultural Values in Railway Transportation	2+2	4,0
RAY 231	Introduction to Railway System Administration	2+2	4,0	RAY 266	New Approaches in Railroad Traffic Management	2+2	4,0
RAY 233	Introduction to Machinery	2+2	4,0	RAY 268	Scientific Principles in Railway Engineering	2+2	4,0
RAY 237	Historical Development of Railways	2+2	4,0	TRA 223	Geotechnics for Roads	2+2	4,0
RAY 255	Maintenance of Railway Vehicle and Certification	2+2	4,0	UMYO 105	Basic Computer Skills	3+1	5,0

## Elective Courses

BEÖ 155	Physical Education	2+0	2,0	ESTÜ 123	Gender Equality in Work Life	2+0	3,0
ESTÜ 101	Introduction to University Life	0+1	2,0	ESTÜ 125	Philosophy of Science	3+0	3,0
ESTÜ 102	Negotiation Techniques Class	2+0	3,0	ESTÜ 127	Diction	1+2	3,0
ESTÜ 103	Ceramic Design Processes	2+1	3,0	ESTÜ 129	Turkish as a Foreign Language I	2+0	2,0
ESTÜ 104	Academic and Life Skills	2+1	3,0	ESTÜ 130	Turkish as a Foreign Language II	2+0	2,0
ESTÜ 105	Big Data Analysis with SQL	2+2	4,5	ESTÜ 201	Turkish Sign Language	3+0	3,0
ESTÜ 106	Project Management	2+1	3,0	ESTÜ 203	Introduction to Sociology	3+0	3,0
ESTÜ 111	Volunteering Works	1+2	4,0	ESTÜ 204	Effective Reading and Writing Skills	3+0	4,0
ESTÜ 112	Cyber Security for Everyone	2+0	2,0	ESTÜ 206	Financial Literacy	3+0	3,0
ESTÜ 113	Design Thinking	3+0	3,0	ESTÜ 301	Science Communication	2+0	3,0
ESTÜ 114	Visual Thinking	3+0	3,0	ESTÜ 307	Children Rights and Family Education	2+0	2,0
ESTÜ 115	Photographic Viewpoint	2+1	3,0	ESTÜ 401	Introduction to Professional Life	1+1	2,0
ESTÜ 116	Computer Aided Design I	3+0	3,0	ESTÜ 402	Coaching and Leadership	3+0	3,0
ESTÜ 117	Computer Aided Design II	3+0	3,0	ESTÜ 403	Basic Computer Utilization	3+0	4,0
ESTÜ 118	Visual Thinking with Concepts	3+0	3,0	ESTÜ 405	Computer Programming	3+0	5,0
ESTÜ 119	Flute	3+1	3,0	SAN 155	Hall Dances	0+2	2,0
ESTÜ 120	Solfege	3+1	3,0	THU 203	Community Services	0+2	3,0
ESTÜ 121	Piano	3+1	3,0	UMYO 296	Elective Internship	0+2	5,0
ESTÜ 122	Guitar	3+1	3,0				

# AIRCRAFT TECHNOLOGY PROGRAM

## PROGRAM

<b>I. Semester</b>				<b>II. Semester</b>			
EMAT 101	Calculus I	3+0	4,0	ELO 108	Basic Electricity and Electronics	2+2	5,0
İLT 105	General and Technical Communication	2+0	2,0	EMAT 102	Calculus II	3+0	4,0
İNG 187	(Eng.) English I	3+0	3,0	İNG 188	(Eng.) English II	3+0	3,0
TAR 165	Atatürk's Principles and History of Turkish Revolution I	2+0	2,0	TAR 166	Atatürk's Principles and History of Turkish Revolution II	2+0	2,0
TEK 107	Scientific Principles of Technology	3+1	4,0	TÜR 126	Turkish Language II	2+0	2,0
TRS 123	Technical Drawing	2+2	4,0	UÇT 102	Airplane Knowledge II	2+1	4,0
TÜR 125	Turkish Language I	2+0	2,0	UÇT 104	Aircraft Materials	2+1	4,0
UÇT 101	Airplane Knowledge I	2+0	2,0	UÇT 106	Aircraft Hardware	3+2	6,0
	Elective Courses		2,0				
	Area Elective Courses		5,0				
			30,0				30,0

<b>III. Semester</b>				<b>IV. Semester</b>			
UÇT 201	Aircraft Maintenance, Repair and Manufacturing I	3+3	7,0	HYO 306	Computer Aided Design	3+0	4,5
UÇT 203	Aircraft Structures	2+3	6,0	UÇT 202	Aircraft Maintenance, Repair and Manufacturing II	3+4	8,5
UÇT 205	Aviation Legislation and Regulations	2+0	3,0	UÇT 204	Aircraft Propellers	2+1	4,0
UÇT 207	Human Factors	2+0	3,0	UÇT 212	Aircraft Systems II	3+3	8,0
UÇT 209	Aircraft Engines I	2+1	4,0	UMYO 297	Internship	0+2	5,0
UÇT 211	Aircraft Systems I	2+3	5,0				
	Elective Courses		2,0				

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30,0

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30,0

### Area Elective Courses

UÇT 210	Aircraft Engines II	2+2	5,0
UMYO105	Basic Computer Skills	3+1	5,0

### Elective Courses

BEÖ 155	Physical Education	2+0	2,0	ESTÜ 123	Gender Equality in Work Life	2+0	3,0
ESTÜ 101	Introduction to University Life	0+1	2,0	ESTÜ 125	Philosophy of Science	3+0	3,0
ESTÜ 102	Negotiation Techniques Class	2+0	3,0	ESTÜ 127	Diction	1+2	3,0
ESTÜ 103	Ceramic Design Processes	2+1	3,0	ESTÜ 129	Turkish as a Foreign Language I	2+0	2,0
ESTÜ 104	Academic and Life Skills	2+1	3,0	ESTÜ 130	Turkish as a Foreign Language II	2+0	2,0
ESTÜ 105	Big Data Analysis with SQL	2+2	4,5	ESTÜ 201	Turkish Sign Language	3+0	3,0
ESTÜ 106	Project Management	2+1	3,0	ESTÜ 203	Introduction to Sociology	3+0	3,0
ESTÜ 111	Volunteering Works	1+2	4,0	ESTÜ 204	Effective Reading and Writing Skills	3+0	4,0
ESTÜ 112	Cyber Security for Everyone	2+0	2,0	ESTÜ 206	Financial Literacy	3+0	3,0
ESTÜ 113	Design Thinking	3+0	3,0	ESTÜ 301	Science Communication	2+0	3,0
ESTÜ 114	Visual Thinking	3+0	3,0	ESTÜ 307	Children Rights and Family Education	2+0	2,0
ESTÜ 115	Photographic Viewpoint	2+1	3,0	ESTÜ 401	Introduction to Professional Life	1+1	2,0
ESTÜ 116	Computer Aided Design I	3+0	3,0	ESTÜ 402	Coaching and Leadership	3+0	3,0
ESTÜ 117	Computer Aided Design II	3+0	3,0	ESTÜ 403	Basic Computer Utilization	3+0	4,0

ESTÜ 118	Visual Thinking with Concepts	3+0	3,0	ESTÜ 405	Computer Programming	3+0	5,0
ESTÜ 119	Flute	3+1	3,0	SAN 155	Hall Dances	0+2	2,0
ESTÜ 120	Solfege	3+1	3,0	THU 203	Community Services	0+2	3,0
ESTÜ 121	Piano	3+1	3,0	UMYO 296	Elective Internship	0+2	5,0
ESTÜ 122	Guitar	3+1	3,0				

## DEPARTMENT OF TRANSPORTATION SERVICES

### PROGRAM IN RAILROAD TRANSPORTATION MANAGEMENT

Transportation both in local and countrywide scale is important and got complex relationships with various factors. The recent changes in daily life generated a demand for time, comfort, safety and economy. The role of railway transportation in industrial and economic growth is well understood. The new concepts in signalling and traffic administration made it easier to manage complex networks of railways. Railway has a greater role in transportation. The need of skilled labour in management is a growing demand. The construction of subways also generated a demand in skilled technicians. The purpose of the program is graduate the technicians highly skilled and equipped with technical information and appliances in the industry. TCDD and Anadolu University signed a protocol, which TCDD equipment is supplied and professionals are holding lectures.

#### PROGRAM

I. Semester				II. Semester			
EMAT 101	Calculus I	3+0	4,0	EMAT 102	Calculus II	3+0	4,0
İNG 187	(Eng.) English I	3+0	3,0	İNG 188	(Eng.) English II	3+0	3,0
RAY 101	Introduction to Railway Transportation	3+0	5,0	MUH 151	Introduction to Accounting	3+0	4,5
RAY 103	Work Safety	2+0	3,5	RAY 102	Railway System Traffic	3+0	4,0
RAY 115	Scientific Principles of Technology I	2+0	2,0	RAY 116	Scientific Principles of Technology II	2+0	2,0
TAR 165	Atatürk's Principles and History of Turkish Revolution I	2+0	2,0	RAY 120	Train Mechanics	2+2	3,0
TRS 102	Technical Drawing	2+2	4,5	RAY 128	Introduction to Business	3+0	3,5
TÜR 125	Turkish Language I	2+0	2,0	TAR 166	Atatürk's Principles and History of Turkish Revolution II	2+0	2,0

Area Elective Courses	4,0	TÜR 126	Turkish Language II	2+0	2,0
			Elective Courses		2,0
	<hr/>				<hr/>
	30,0				30,0

### III. Semester

### IV. Semester

HUK 154	Commercial Law	2+0	3,0	EİST 102	Statistics	3+0	3,0
İKT 214	Transportational Economics	2+0	2,0	İSN 102	Public Relations	3+0	3,0
PZL 401	Marketing	2+0	3,0	RAY 202	Urban Railway Transportation Systems II	3+0	4,0
RAY 201	Urban Railway Transportation Systems I	3+0	4,0	RAY 226	International Railway Transportation	3+0	3,0
RAY 223	Railway System Management	2+2	3,0	RAY 234 (Eng.)	Technical English	3+0	3,0
RAY 225	Train and Wagon Planning	3+2	4,0	RAY 238	Railway Systems Cost Analysis	2+0	2,0
RAY 227	Railway Transportation I	3+0	3,0	UMYO 297	Internship	0+2	5,0
	Area Elective Courses		8,0		Area Elective Courses		3,0
					Elective Courses		4,0
			<hr/>				<hr/>
			30,0				30,0

### Area Elective Courses

İŞL 220	Labor Legislation	2+2	4,0	RAY 257	New Technologies in Rail Systems	2+2	4,0
LOJ 212	Logistics Management	2+2	4,0	RAY 259	Organizational Behavior	3+0	4,0
PZL 302	Marketing Management	3+0	4,5	RAY 260	Transportation Management	2+2	4,0
PZL 456	Services Marketing	3+0	4,5	RAY 261	Railway System Vehicle Mechatronics I	3+1	4,0
RAY 107	Transportation of Dangerous Substances	3+1	4,0	RAY 262	Railway System Vehicle Mechatronics II	3+1	4,0
RAY 228	Introduction to Human Resources	2+2	4,0	RAY 264	Cultural Values in Railway Transportation	2+2	4,0



RAY 229	Introduction to Electric-Electronics	2+2	4,0	RAY 266	New Approaches in Railroad Traffic Management	2+2	4,0
RAY 230	Introduction to Railway Networks	2+2	4,0	RAY 268	Scientific Principles in Railway Engineering	2+2	4,0
RAY 233	Introduction to Machinery	2+2	4,0	TOP 102	Surveying	2+2	4,5
RAY 237	Historical Development of Railways	2+2	4,0	UMYO 105	Basic Computer Skills	3+1	5,0
RAY 255	Maintenance of Railway Vehicle and Certification	2+2	4,0				

### Elective Courses

BEÖ 155	Physical Education	2+0	2,0	ESTÜ 123	Gender Equality in Work Life	2+0	3,0
ESTÜ 101	Introduction to University Life	0+1	2,0	ESTÜ 125	Philosophy of Science	3+0	3,0
ESTÜ 102	Negotiation Techniques Class	2+0	3,0	ESTÜ 127	Diction	1+2	3,0
ESTÜ 103	Ceramic Design Processes	2+1	3,0	ESTÜ 129	Turkish as a Foreign Language I	2+0	2,0
ESTÜ 104	Academic and Life Skills	2+1	3,0	ESTÜ 130	Turkish as a Foreign Language II	2+0	2,0
ESTÜ 105	Big Data Analysis with SQL	2+2	4,5	ESTÜ 201	Turkish Sign Language	3+0	3,0
ESTÜ 106	Project Management	2+1	3,0	ESTÜ 203	Introduction to Sociology	3+0	3,0
ESTÜ 111	Volunteering Works	1+2	4,0	ESTÜ 204	Effective Reading and Writing Skills	3+0	4,0
ESTÜ 112	Cyber Security for Everyone	2+0	2,0	ESTÜ 206	Financial Literacy	3+0	3,0
ESTÜ 113	Design Thinking	3+0	3,0	ESTÜ 301	Science Communication	2+0	3,0
ESTÜ 114	Visual Thinking	3+0	3,0	ESTÜ 307	Children Rights and Family Education	2+0	2,0
ESTÜ 115	Photographic Viewpoint	2+1	3,0	ESTÜ 401	Introduction to Professional Life	1+1	2,0
ESTÜ 116	Computer Aided Design I	3+0	3,0	ESTÜ 402	Coaching and Leadership	3+0	3,0
ESTÜ 117	Computer Aided Design II	3+0	3,0	ESTÜ 403	Basic Computer Utilization	3+0	4,0
ESTÜ 118	Visual Thinking with Concepts	3+0	3,0	ESTÜ 405	Computer Programming	3+0	5,0
ESTÜ 119	Flute	3+1	3,0	SAN 155	Hall Dances	0+2	2,0

ESTÜ 120	Solfege	3+1	3,0	THU 203	Community Services	0+2	3,0
ESTÜ 121	Piano	3+1	3,0	UMYO 296	Elective Internship	0+2	5,0
ESTÜ 122	Guitar	3+1	3,0				

## PROGRAM IN CIVIL AVIATION CABIN SERVICES

Civil Aviation Cabin Services Programme offers a period of two years education after high school. Students are selected among graduates of related vocational high schools and also by National University Entrance Examination (Students Placement Exam, OSS). About 100 students are admitted each year. Students have to take and pass all compulsory courses and reach a minimum GPA (Grade Point Average) of 2.00 before graduation. Furthermore, students are required to participate in a 30 days of internship in appropriate organizations.

### PROGRAM

I. Semester				II. Semester			
ANT 310	Swimming	1+2	3,0	İNG 116	(Eng.) English Speaking Skills II	1+1	2,5
HYO 111	Introduction to Civil Aviation	1+1	2,0	SAĞ 116	Health Information and First Aid in the Cabin	1+2	3,0
İLT 201	Interpersonal Communication	3+0	4,5	SHK 102	Meteorology	2+0	3,0
İNG 115	(Eng.) English Speaking Skills I	1+1	2,5	SHK 106	Introduction to Cabin Attendant	1+2	3,0
SHK 101	Knowledge of Basic Flight and Aircraft	1+1	2,0	TAR 166	Atatürk's Principles and History of Turkish Revolution II	2+0	2,0
TAR 165	Atatürk's Principles and History of Turkish Revolution I	2+0	2,0	TÜR 126	Turkish Language II	2+0	2,0
TÜR 125	Turkish Language I	2+0	2,0		Foreign Language Courses		4,0
	Foreign Language Courses		4,0		Area Elective Courses		8,5
	Area Elective Courses		8,0		Elective Courses		2,0
			30,0				30,0
III. Semester				IV. Semester			
HYO 227	Airport and Flight Security	3+0	3,0	İNG 218	(Eng.) English Speaking Skills IV	2+3	5,5
İNG 217	(Eng.) English Speaking Skills III	3+4	7,0	SHK 202	Emergency Procedures	1+3	3,5

SHK 201	Normal Safety Procedures	1+3	3,5	SHK 210	In-Flight Resource Management	1+2	3,0
SHK 205	In-Flight Customer Services	1+2	3,0	UMYO 297	Internship	0+2	5,0
SHK 207	Passenger Service	1+1	2,0		Foreign Language Courses		4,0
	Foreign Language Courses		4,0		Area Elective Courses		9,0
	Area Elective Courses		7,5				
			30,0				30,0

#### Area Elective Courses

HTK 406	Aviation Psychology	3+0	4,5	SHK 107	(Eng.) English in Real Life I	3+0	4,0
HYO 303	Model Aircraft Constmetion	1+2	3,0	SHK 108	(Eng.) English in Real Life II	3+0	4,0
HYO 308	Organizational Behavior	3+0	3,0	SHK 203	Basic Service Knowledge	1+1	2,0
HYO 451	General Aviation	3+0	4,5	SHK 204	In-Flight Services	1+1	2,0
İLT 303	Communication and Persuasion	3+0	4,5	SHK 206	CRS Application	1+3	3,5
İLT 356	Non-Verbal Communication	3+0	3,5	SHK 208	Dangerous Goods	1+1	2,0
İLT 363	Verbal Communication	3+0	4,5	SHK 211	Airline Marketing	2+0	3,0
İŞL 102	Management and Organization	3+0	4,0	SHK 212	Ground Handling and Operation	1+1	2,0
İŞL 213	Human Sources Management	2+0	3,0	SHU 223	Safety Management System	2+0	3,0
İŞL 352	Organizational Communication	2+0	3,0	TÜR 215	Sign Language	1+1	3,0
SHK 103	(Eng.) Professional English I	2+1	3,0	UMYO 105	Basic Computer Skills	3+1	5,0
SHK 104	(Eng.) Professional English II	2+1	4,0				

## Foreign Language Courses

ÇİN 255	(Chi)	Chinese I	3+0	4,0	JAP 301	(Jap)	Japanese I	4+0	4,0
ÇİN 256	(Chi)	Chinese II	3+0	4,0	JAP 302	(Jap)	Japanese II	4+0	4,0
ÇİN 357	(Chi)	Chinese III	3+0	4,0	JAP 403	(Jap)	Japanese III	4+0	4,0
ÇİN 358	(Chi)	Chinese IV	3+0	4,0	JAP 404	(Jap)	Japanese IV	4+0	4,0
İSP 154	(Spa)	Spanish I	3+0	4,0	RUS 115	(Rus)	Russian I	3+0	4,0
İSP 255	(Spa)	Spanish II	3+0	4,0	RUS 116	(Rus)	Russian II	3+0	4,0
İSP 257	(Spa)	Spanish III	3+0	4,0	RUS 217	(Rus)	Russian III	3+0	4,0
İSP 358	(Spa)	Spanish IV	3+0	4,0	RUS 218	(Rus)	Russian IV	3+0	4,0
İTA 255	(İta)	Italian I	3+0	4,0	UFR 101	(Fra)	French I	3+0	4,0
İTA 256	(İta)	Italian II	3+0	4,0	UFR 102	(Fra)	French II	3+0	4,0
İTA 357	(İta)	Italian III	3+0	4,0	UFR 201	(Fra)	French III	3+0	4,0
İTA 358	(İta)	Italian IV	3+0	4,0	UFR 202	(Fra)	French IV	3+0	4,0

## Elective Courses

BEÖ 155		Physical Education	2+0	2,0	ESTÜ 127		Diction	1+2	3,0
ESTÜ 101		Introduction to University Life	0+1	2,0	ESTÜ 129		Turkish as a Foreign Language I	2+0	2,0
ESTÜ 102		Negotiation Techniques Class	2+0	3,0	ESTÜ 130		Turkish as a Foreign Language II	2+0	2,0
ESTÜ 103		Ceramic Design Processes	2+1	3,0	ESTÜ 201		Turkish Sign Language	3+0	3,0
ESTÜ 104		Academic and Life Skills	2+1	3,0	ESTÜ 203		Introduction to Sociology	3+0	3,0
ESTÜ 105		Big Data Analysis with SQL	2+2	4,5	ESTÜ 204		Effective Reading and Writing Skills	3+0	4,0
ESTÜ 106		Project Management	2+1	3,0	ESTÜ 206		Financial Literacy	3+0	3,0
ESTÜ 111		Volunteering Works	1+2	4,0	ESTÜ 301		Science Communication	2+0	3,0

ESTÜ 112	Cyber Security for Everyone	2+0	2,0	ESTÜ 307	Children Rights and Family Education	2+0	2,0
ESTÜ 113	Design Thinking	3+0	3,0	ESTÜ 401	Introduction to Professional Life	1+1	2,0
ESTÜ 114	Visual Thinking	3+0	3,0	ESTÜ 402	Coaching and Leadership	3+0	3,0
ESTÜ 115	Photographic Viewpoint	2+1	3,0	ESTÜ 403	Basic Computer Utilization	3+0	4,0
ESTÜ 116	Computer Aided Design I	3+0	3,0	ESTÜ 405	Computer Programming	3+0	5,0
ESTÜ 117	Computer Aided Design II	3+0	3,0	MÜZ 151	Short History of Music	2+0	3,0
ESTÜ 118	Visual Thinking with Concepts	3+0	3,0	MÜZ 155	Turkish Folk Music	2+0	2,0
ESTÜ 119	Flute	3+1	3,0	MÜZ 157	Traditional Turkish Art Music	2+0	2,0
ESTÜ 120	Solfege	3+1	3,0	SAN 155	Hall Dances	0+2	2,0
ESTÜ 121	Piano	3+1	3,0	SNT 155	History of Art	2+0	2,0
ESTÜ 122	Guitar	3+1	3,0	SOS 155	Folkdance	2+0	2,0
ESTÜ 123	Gender Equality in Work Life	2+0	3,0	THU 203	Community Services	0+2	3,0
ESTÜ 125	Philosophy of Science	3+0	3,0	TİY 308	Republic Era Turkish Theatre	2+0	3,0
				UMYO 296	Elective Internship	0+2	5,0

## ROGRAM IN TRANSPORTATION AND TRAFFIC SERVICES

Scientific and technological improvements of our times have effected society and human life in many ways and increased life standards with new technology and equipments. Transportation vehicles; have positive effects in economic, social and cultural improvements. The fact that the number of vehicles and drivers has increased has created the concept of "Traffic Safety". Traffic safety concept includes deaths, injuries, physical disabilities, social-economical losses, relatives of dead and wounded, and psychological, social effects, environmental pollution. Traffic accidents occured without concern of time, person and location effect all people in society and therefore interest public opinion. In developed countries; there are many projects about traffic safety, and there are institutions educating people about traffic, and highway transportation,also educating experts and producing various research. Depending on the results of these researchs, new plans and social campaigns are being held. Besides the increase in number of motor vehicles and drivers, improvements in the country, the increase in population, unsystematic city planning increase the possibility of traffic accidents and causes difficulties for the solution of the traffic safety problem. Traffic safety; can be solved by the improvements in infrastructure and training of more people about traffic.Highway Transportation and Traffic Program held by Porsuk Vocational School aims at supplying the labor force necessary for highway transportation and traffic.

**PROGRAM**

<b>I. Semester</b>				<b>II. Semester</b>			
EİST 102	Statistics	3+0	3,0	EMAT 102	Calculus II	3+0	4,0
EMAT 101	Calculus I	3+0	4,0	İNG 188 (İng.)	English II	3+0	3,0
İNG 187 (İng.)	English I	3+0	3,0	MEK 104	Statics Strength of Materials	3+0	4,5
MEK 103	Vehicle Mechanics	3+2	5,0	RAY 116	Scientific Principles of Technology II	2+0	2,0
RAY 115	Scientific Principles of Technology I	2+0	2,0	TOP 102	Surveying	2+2	4,5
TRA 101	Introduction to Transportation and Traffic Technique	3+0	5,0	TRA 104	Traffic Regulations and Law	2+0	2,5
TÜR 125	Turkish Language I	2+0	2,0	TRA 118	Transportation Politics and Planning	3+0	3,0
	Elective Courses		2,0	TRS 102	Technical Drawing	2+2	4,5
	Area Elective Courses		4,0	TÜR 126	Turkish Language II	2+0	2,0
			30,0				30,0

<b>III. Semester</b>				<b>IV. Semester</b>			
HUK 153	Fundamentals Concepts of Law	2+0	3,0	İKT 214	Transportational Economics	2+0	2,0
MEK 211	Soil Mechanics	3+0	4,0	TAR 166	Atatürk's Principles and History of Turkish Revolution II	2+0	2,0
PSİ 203	Traffic Psychology	2+0	2,0	TRA 202	Traffic Planning and Application II	2+2	3,0
SAĞ 102	First Aid	2+0	2,5	TRA 203	Bridges and Tunnels	3+0	4,0
TAR 165	Atatürk's Principles and History of Turkish Revolution I	2+0	2,0	TRA 204	Road Superstructure	2+0	2,0
TRA 201	Traffic Planning and Application I	2+2	4,5	TRA 210	Accident Location, Investigation and Consultative Authority	2+2	3,0
TRA 217	Road Projects and Highway Techniques	2+2	4,0	TRA 212 (İng.)	Technical English	3+0	3,0
	Area Elective Courses		8,0	TRA 214	Computer Applications in Traffic Planning	2+2	3,0
				UMYO 297	Internship	0+2	5,0

					Elective Courses		3,0
			30,0				30,0

### Area Elective Courses

İSN 102	Public Relations	3+0	3,0	TRA 215	Motorized Vehicle Technology	3+0	4,0
PSİ 208	Conflict and Stress Management	3+0	5,0	TRA 216	Highway Traffic Safety Control	3+0	4,0
RAY 107	Transportation of Dangerous Substances	3+1	4,0	TRA 219	Traffic Audits and Regulations	3+0	4,0
TRA 206	International Traffic Law Enforcement	3+0	4,0	TRA 221	Geographic Information Systems and Road Modeling	3+0	4,0
TRA 209	Traffic Documentation Operations	3+0	4,0	TRA 223	Geotechnics for Roads	2+2	4,0
TRA 211	Traffic Education	3+0	4,0	TRA 225	Vehicle and Driving Safety	3+1	4,0
TRA 213	Highway Services and Maintenance	3+0	4,0	UMYO 105	Basic Computer Skills	3+1	5,0

### Elective Courses

BEÖ 155	Physical Education	2+0	2,0	ESTÜ 121	Piano	3+1	3,0
SAN 155	Hall Dances	0+2	2,0	ESTÜ 122	Guitar	3+1	3,0
THU 203	Community Services	0+2	3,0	ESTÜ 123	Gender Equality in Work Life	2+0	3,0
ESTÜ 101	Introduction to University Life	0+1	2,0	ESTÜ 125	Philosophy of Science	3+0	3,0
ESTÜ 102	Negotiation Techniques Class	2+0	3,0	ESTÜ 127	Diction	1+2	3,0
ESTÜ 103	Ceramic Design Processes	2+1	3,0	ESTÜ 129	Turkish as a Foreign Language I	2+0	2,0
ESTÜ 104	Academic and Life Skills	2+1	3,0	ESTÜ 130	Turkish as a Foreign Language II	2+0	2,0
ESTÜ 105	Big Data Analysis with SQL	2+2	4,5	ESTÜ 201	Turkish Sign Language	3+0	3,0
ESTÜ 106	Project Management	2+1	3,0	ESTÜ 203	Introduction to Sociology	3+0	3,0

ESTÜ 111	Volunteering Works	1+2	4,0	ESTÜ 204	Effective Reading and Writing Skills	3+0	4,0
ESTÜ 112	Cyber Security for Everyone	2+0	2,0	ESTÜ 206	Financial Literacy	3+0	3,0
ESTÜ 113	Design Thinking	3+0	3,0	ESTÜ 301	Science Communication	2+0	3,0
ESTÜ 114	Visual Thinking	3+0	3,0	ESTÜ 307	Children Rights and Family Education	2+0	2,0
ESTÜ 115	Photographic Viewpoint	2+1	3,0	ESTÜ 401	Introduction to Professional Life	1+1	2,0
ESTÜ 116	Computer Aided Design I	3+0	3,0	ESTÜ 402	Coaching and Leadership	3+0	3,0
ESTÜ 117	Computer Aided Design II	3+0	3,0	ESTÜ 403	Basic Computer Utilization	3+0	4,0
ESTÜ 118	Visual Thinking with Concepts	3+0	3,0	ESTÜ 405	Computer Programming	3+0	5,0
ESTÜ 119	Flute	3+1	3,0	UMYO 296	Elective Internship	0+2	5,0
ESTÜ 120	Solfege	3+1	3,0				

## DEPARTMENT OF MANAGEMENT AND ORGANIZATION

### PROGRAM IN LOGISTICS

Logistic Department offers a period of two years education after high school. Students are selected among graduates of related vocational high schools and also by National University Entrance Examination (Students Placement Exam, OSS). About 30 students are admitted each year. Student have to take and pass all compulsory courses and reach a minimum GPA (Grade Point Average) of 2.00 before graduation. Furthermore, students are required to participate in a 30 days of internship in appropriate organizations.

#### PROGRAM

I. Semester				II. Semester			
EMAT 101	Calculus I	3+0	4,0	EİST 102	Statistics	3+0	3,0
HUK 117	Fundamentals of Law	2+0	2,0	EMAT 102	Calculus II	3+0	4,0
İKT 120	Introduction to Economy	3+0	4,0	İNG 188 (İng.)	English II	3+0	3,0
İNG 187	(Eng.) English I	3+0	3,0	LOJ 104	Use of Computer in Logistic	3+0	4,5
İŞL 155	Introduction to Business	2+0	3,0	LOJ 108	Logistics Geography	2+0	4,0
LOJ 103	Principles of Logistic	3+2	5,0	LOJ 110	Transportation Systems	3+0	3,5



TAR 165	Atatürk's Principles and History of Turkish Revolution I	2+0	2,0	TAR 166	Atatürk's Principles and History of Turkish Revolution II	2+0	2,0
TÜR 125	Turkish Language I	2+0	2,0	TÜR 126	Turkish Language II	2+0	2,0
	Area Elective Courses		5,0		Area Elective Courses		2,0
					Elective Courses		2,0
			30,0				30,0

### III. Semester

LOJ 205	Management of Storage and Ware House	2+1	3,5	İST 226	Operations Research	2+0	3,0
LOJ 215	Supply Chain Management	3+0	4,5	LOJ 206	Practices of Logistic	0+6	6,0
LOJ 217	Transportation Management	3+0	4,0	LOJ 216	Transportation of Dangerous Substances	3+0	4,0
LOJ 219	Logistics Law and Documentations	3+0	4,0	LOJ 218	Custom and Transit Transactions	2+0	4,0
	Area Elective Courses		12,0	LOJ 220	Integrated Logistics Management	2+0	4,0
	Elective Courses		2,0	UMYO 297	Internship	0+2	5,0
			30,0				30,0

### IV. Semester

### Area Elective Courses

EMY 225	Urbanization and Environment Problems	2+0	2,0	LOJ 223	Combined Transport	3+0	3,0
HUK 154	Commercial Law	2+0	3,0	LOJ 225	Transportation Liability and Insurance	3+0	3,0
HUK 223	Labor and Social Security Law	2+0	3,0	LOJ 227	Terminal Planning	3+0	3,0
İKT 228	International Economy	2+0	2,0	LOJ 229	International Logistics and Trade Organizations	3+0	3,0
İŞL 212	Inventory Management	2+0	3,5	LOJ 231	Organizational Behavior	2+0	3,0

İŞL 213	Human Sources Management	2+0	3,0	MUH 151	Introduction to Accounting	3+0	4,5
İŞL 421	Entrepreneurship	2+0	3,0	PZL 241	Industrial Marketing	2+0	2,0
LOJ 201	Technology Use in Logistic	2+0	2,0	PZL 302	Marketing Management	3+0	4,5
LOJ 211	(Eng.) Vocational English	2+0	3,0	TKY 204	Total Quality Management	2+0	2,0
LOJ 214	Logistics Costs Analysis	2+0	3,0	UMYO 105	Basic Computer Skills	3+1	5,0
LOJ 221	Railway Transportation	3+0	3,0				

### Elective Courses

BEÖ 155	Physical Education	2+0	2,0	ESTÜ 129	Turkish as a Foreign Language I	2+0	2,0
ESTÜ 101	Introduction to University Life	0+1	2,0	ESTÜ 130	Turkish as a Foreign Language II	2+0	2,0
ESTÜ 102	Negotiation Techniques Class	2+0	3,0	ESTÜ 201	Turkish Sign Language	3+0	3,0
ESTÜ 103	Ceramic Design Processes	2+1	3,0	ESTÜ 203	Introduction to Sociology	3+0	3,0
ESTÜ 104	Academic and Life Skills	2+1	3,0	ESTÜ 204	Effective Reading and Writing Skills	3+0	4,0
ESTÜ 105	Big Data Analysis with SQL	2+2	4,5	ESTÜ 206	Financial Literacy	3+0	3,0
ESTÜ 106	Project Management	2+1	3,0	ESTÜ 301	Science Communication	2+0	3,0
ESTÜ 111	Volunteering Works	1+2	4,0	ESTÜ 307	Children Rights and Family Education	2+0	2,0
ESTÜ 112	Cyber Security for Everyone	2+0	2,0	ESTÜ 401	Introduction to Professional Life	1+1	2,0
ESTÜ 113	Design Thinking	3+0	3,0	ESTÜ 402	Coaching and Leadership	3+0	3,0
ESTÜ 114	Visual Thinking	3+0	3,0	ESTÜ 403	Basic Computer Utilization	3+0	4,0
ESTÜ 115	Photographic Viewpoint	2+1	3,0	ESTÜ 405	Computer Programming	3+0	5,0
ESTÜ 116	Computer Aided Design I	3+0	3,0	MÜZ 151	Short History of Music	2+0	3,0
ESTÜ 117	Computer Aided Design II	3+0	3,0	MÜZ 155	Turkish Folk Music	2+0	2,0
ESTÜ 118	Visual Thinking with Concepts	3+0	3,0	MÜZ 157	Traditional Turkish Art Music	2+0	2,0

ESTÜ 119	Flute	3+1	3,0	SAN 155	Hall Dances	0+2	2,0
ESTÜ 120	Solfege	3+1	3,0	SNT 155	History of Art	2+0	2,0
ESTÜ 121	Piano	3+1	3,0	SOS 155	Folkdance	2+0	2,0
ESTÜ 122	Guitar	3+1	3,0	THU 203	Community Services	0+2	3,0
ESTÜ 123	Gender Equality in Work Life	2+0	3,0	TİY 308	Republic Era Turkish Theatre	2+0	3,0
ESTÜ 125	Philosophy of Science	3+0	3,0	UMYO 296	Elective Internship	0+2	5,0
ESTÜ 127	Diction	1+2	3,0				

### COURSE CONTENTS

**"\*There are no new courses opened in the 2023-2024 Academic Year. You can access other course contents from the 2022-2023 Academic Year course contents section."**