



# MUŞ ALPARSLAN ÜNİVERSİTESİ

Vocational School of Technical Sciences

Department of Motor Vehicles and Transportation Technologies

Otomotiv Teknolojisi

1.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
ATİ165	Principles of Atatürk and History of Turkish Revolution I	2+0+0	Compulsory	2
BLG165	Information And Communacion Technology	2+2+0	Compulsory	4
İSG101	Occupational Safety And Health	2+0+0	Compulsory	2
MAT111	Mathematics I	2+0+0	Compulsory	3
OTO101	Engine Technology	2+1+0	Compulsory	5
OTO103	Technical Drawing	2+2+0	Compulsory	6
OTO105	Scientific Principles of Technology	3+0+0	Compulsory	4
TDİ165	Turkish Language I	2+0+0	Compulsory	2
YDÖ165	English I	2+0+0	Compulsory	2
Total ECTS				30

2.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
ATİ166	Principles of Atatürk and History of Turkish Revolution II	2+0+0	Compulsory	2
MAT112	Mathematics II	2+0+0	Compulsory	3
OTO102	Spark Ignition of Engines Fuel and Ignition Systems	2+1+0	Compulsory	5
OTO104	Diesel Engines and Fuel Injection Systems	2+1+0	Compulsory	5
OTO106	Automotive Electricity	1+1+0	Compulsory	2
TDİ166	Turkish Language II	2+0+0	Compulsory	2
YDÖ166	English II	2+0+0	Compulsory	2
SEÇ II	Elective Courses 1st Year Spring (3 Courses Must Be Selected)	2+0+0	Elective	9
Total ECTS				30

Course Groups				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
KPD102	Career Planning	2+0+0	Elective	3
MSS102	Quality Assurance And Standarts	2+0+0	Elective	3
MSS104	Renewable Energy sources	2+0+0	Elective	3
MSS106	University Culture	2+0+0	Elective	3
MSS108	professional English	2+0+0	Elective	3
OTO108	Thermodynamics	2+0+0	Elective	3
OTO110	Hydraulic and Pneumatic Systems	2+0+0	Elective	3
OTO112	Damage Identification and Assessment	2+0+0	Elective	3

3.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
OTO201	Computer Aided Drawing	2+1+0	Compulsory	3
OTO203	Vehicle Powertrain	2+1+0	Compulsory	3
OTO205	Motion Control Systems	2+1+0	Compulsory	3
OTO207	Machine Elements	2+0+0	Compulsory	2
OTO209	Automotive Electronics	1+1+0	Compulsory	2
STJ201	Internship	0+2+0	Compulsory	8
SEÇ III	Elective Courses 2nd Year Fall (3 Courses Must Be Selected)	2+0+0	Elective	9
Total ECTS				30

Course Groups				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
AFE201	Elective: Disaster Management	2+0+0	Elective	3
MSS201	Communication Techniques	2+0+0	Elective	3
MSS203	Life and Exam Coaching	2+0+0	Elective	3
OTO211	Emission Control Systems	2+0+0	Elective	3
OTO213	Hybrid and Electric Vehicles	2+0+0	Elective	3
OTO215	Measurement and Control	2+0+0	Elective	3

4.Semester Course Plan				
Course Code	Course Name	T+A+L	Compulsory/Elective	ECTS
OTO202	Alternative Engines and Fuels	2+2+0	Compulsory	4
OTO204	Engine Testing and Tuning	2+2+0	Compulsory	5
OTO206	Engined Vehicle Mechanics	2+0+0	Compulsory	3
OTO208	System Analysis and Design	0+2+0	Compulsory	3
OTO210	Heating and Cooling Systems	2+0+0	Compulsory	3
SEÇ IV	Elective Courses 2nd Year Spring (4 Courses Must Be Selected)	2+0+0	Elective	12
Total ECTS				30

### Course Groups

GÖÇ202	Volunteering Studies	1+2+0	Elective	4
İAY202	Elektive: First and Immediate Aid	2+2+0	Elective	3
MSS202	Vehicle and Driving Safety	2+0+0	Elective	3
MSS204	Professional Ethics	2+0+0	Elective	3
OTO212	Comfort Systems	2+0+0	Elective	3
OTO214	Material Technology	2+0+0	Elective	3
OTO216	New Technologies in Automotive	2+0+0	Elective	3