



Department of
Mechanical
Engineering

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BAYBURT UNIVERSITY FACULTY OF ENGINEERING

Guide for International Students



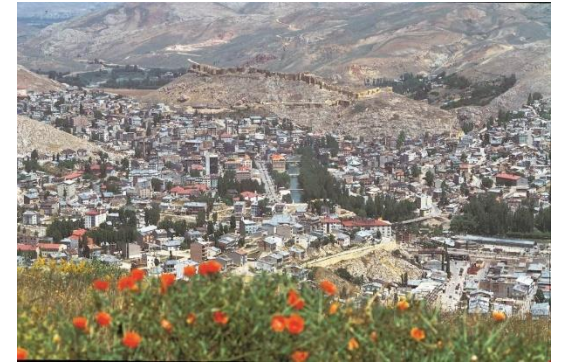
BAYBURT
UNIVERSITY

Safe City
Peaceful University  www.bayburt.edu.tr

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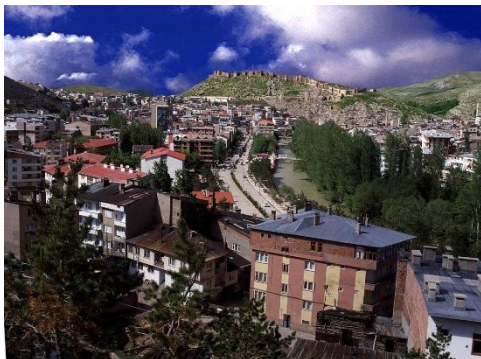


City of Bayburt



Bayburt

Bayburt is located on the historic Silk Road connecting the Eastern Anatolia to the Black Sea. Located on the banks of the river Coruh, the city's history dates back to 3000 B.C. Evliya Celebi, who visited Bayburt in 1647, describes its name with the words "bay" and "yurt" which mean "rich" and "town", respectively. Occupied by Russian in 1916, Bayburt was destroyed to a great extent. Having been a part of Erzurum until then, Bayburt was attached to Gumushane in 1927 and it gained a province status in according to the law number 3578 in 1989. According to the addressed-based 2017 data of TUIK, Bayburt province has a population of 80,417.





City of Bayburt



Historical, Cultural and Touristic Destinations

A province rich in historical and cultural values, Bayburt also draws attention of local and foreign tourists with its touristic destinations and natural beauties. The historical and cultural structures, many of which are Turkish, shed light on the history of the city. The most important of these is undoubtedly the Bayburt Castle which is located on a hill in the capitol city and attracts attention by its location, structure and architectural features.

Aydintepe Undergorund City in Aydintepe district is the second most important value of the city.

Baksi Museum, one of the world's first village museums and spreading over 30 acres of area with its exhibition halls, was founded on a hill overlooking the Coruh.

Cimagil cave, the tomb of Dede Korkut, Korgan Bridge, Sirakayalar Waterfall, Saruhan Citadel, Yenisehir and Aslandagi Recreational Facilities are other destinations attracting many visitors each year.





**BAYBURT
UNIVERSITY**
Peaceful University of Safe City



Bayburt University

Bayburt University, one of the youngest higher education institutions of Turkey, was founded on May 31, 2008. Bayburt University aims at being one of the universities and/or institutes well known in the world in education, research and service, supplying unique choices for training and individual development of the students, being an academic structure responsible for promoting life quality of the regional and national population and being an address of student-focused research.

Contact Us

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Faculty of Engineering



Departments of Faculty of Engineering

Department of Mechanical Engineering

Department of Civil Engineering

Department of Food Engineering

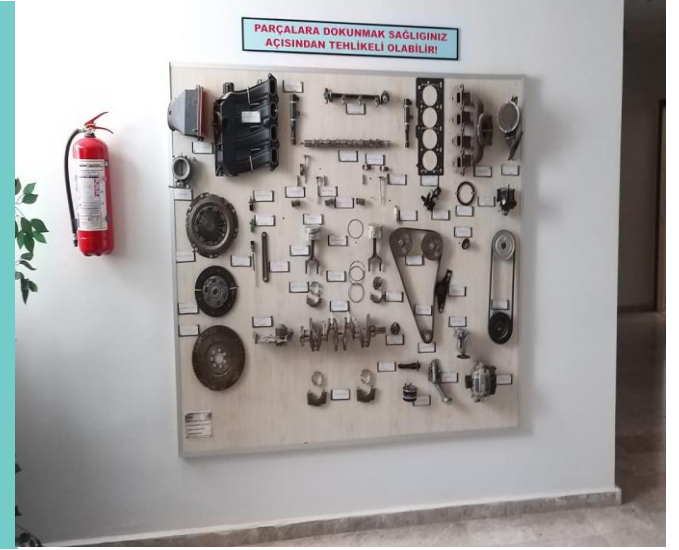
Department of Industrial Engineering

Department of Electrical-Electronics Engineering





Department of Mechanical Engineering



About Department of Mechanical Engineering

The Department of Mechanical Engineering at the University of Bayburt is one of the largest academic program on Engineering Faculty, by student enrollment. The department has been active since 2008. The department started education in 2009. Our department remains a diverse program offered for the undergraduate level for prospective students. Currently, all undergraduate levels are active. In overall, the Department of Mechanical Engineering, has 5 academic members and 10 assistant personnel.

The department offers a wide variety of mandatory and elective courses for prospective students. The aim of the department is to train new Mechanical Engineers, which focuses on turning students into well-educated and qualified staff members.

Contact Us

**Bayburt Üniversitesi Mühendislik Fakültesi
Makina Mühendisliği Bölümü**

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Department of Mechanical Engineering Laboratories



Mechanics Laboratory

Machine Dynamics Laboratory

Energy Laboratory

Thermodynamics Laboratory

Manufacturing and Construction Laboratory

Engine Laboratory





Department of Mechanical Engineering

Laboratories

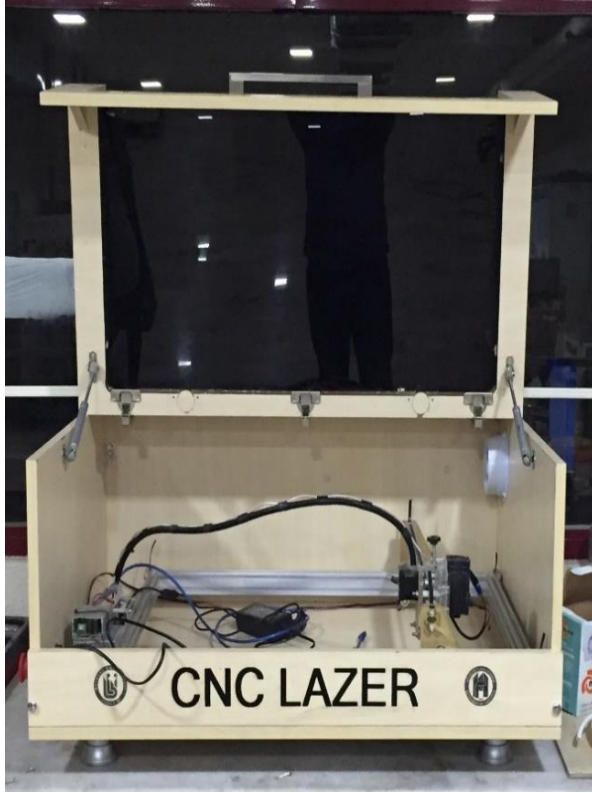




Department of Mechanical Engineering

Technical Visits





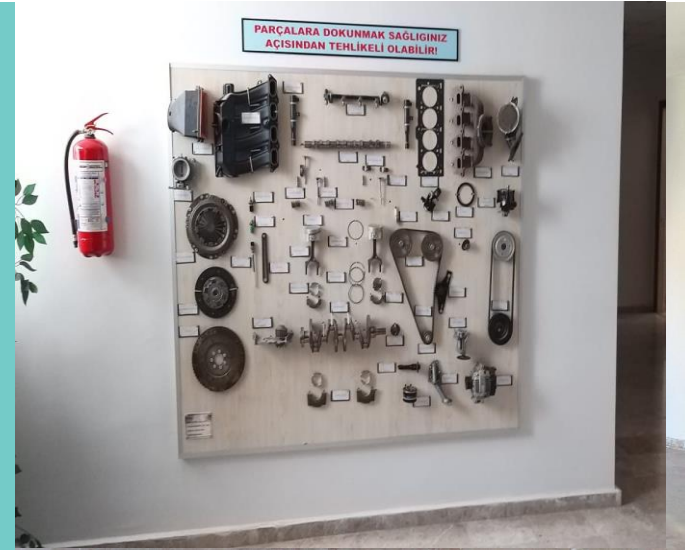
Department of Mechanical Engineering

Projects & Awards





Department of Mechanical Engineering Erasmus+ Programme



Erasmus+ will support transnational partnerships among Education, Training, and Youth institutions and organizations to foster cooperation and bridge the worlds of Education and work in order to tackle the skills gaps we are facing in Europe.

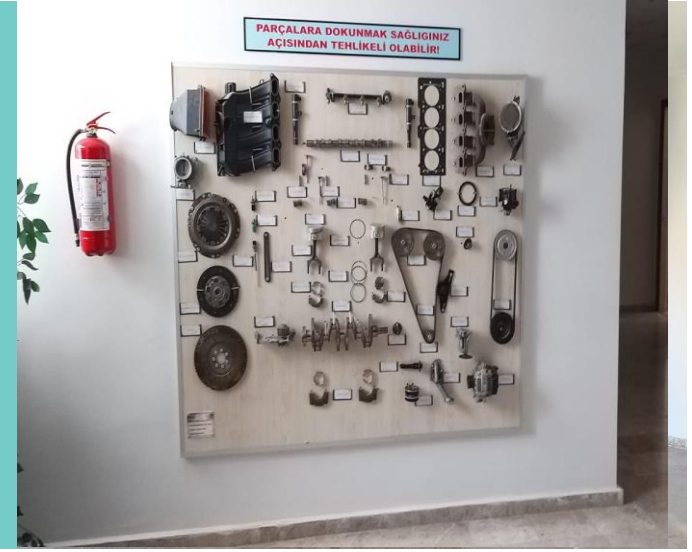
We are interesting to cooperate with European universities in the framework of ERASMUS+ program, especially in students mobile directions. We have ERASMUS+ agreements with the following universities:

Politehnica University Timisoara

Timis, ROMANIA



Department of Mechanical Engineering Farabi Exchange Programme



Within the scope of the Farabi Exchange Program which enables student exchange among higher education institutions in Turkey, students can continue their education in another higher education institution for one or two semesters.

We have Farabi agreements with the following universities:

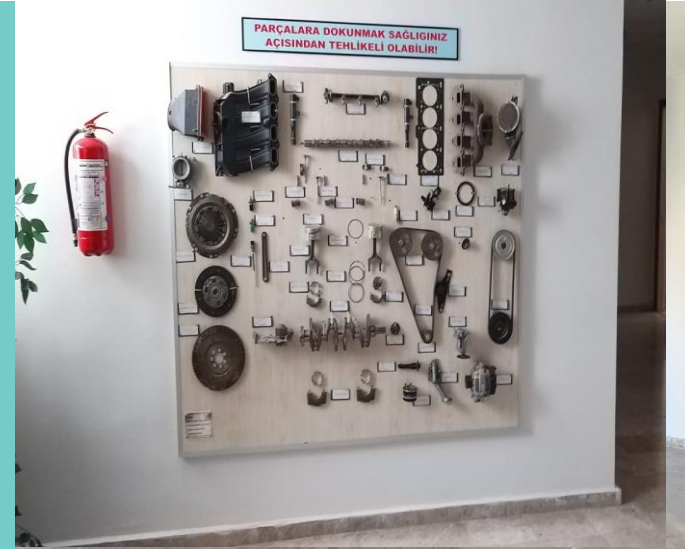
Ataturk University, Erzurum, Turkey

Firat University, Elazig, Turkey





Department of Mechanical Engineering Mevlana Exchange Programme



Within the scope of Mevlana Exchange Programme, the students registered in formal education programmes at Associate Degree, B.A, M.A and PhD levels of the higher education institutions in Turkey (on condition that the higher education institutions signed a bilateral Mevlana Exchange Protocol) may benefit from Mevlana Exchange Programme. Students can benefit from Mevlana Exchange Programme for at least one semester and at most two semesters. As the semester duration may differ according to the education system of universities, the total duration of mobility can not exceed one academic year.

We have Mevlana agreements with the following universities:

Kish International Campus University of Tehran, Iran

University of Science and Technology, Yemen

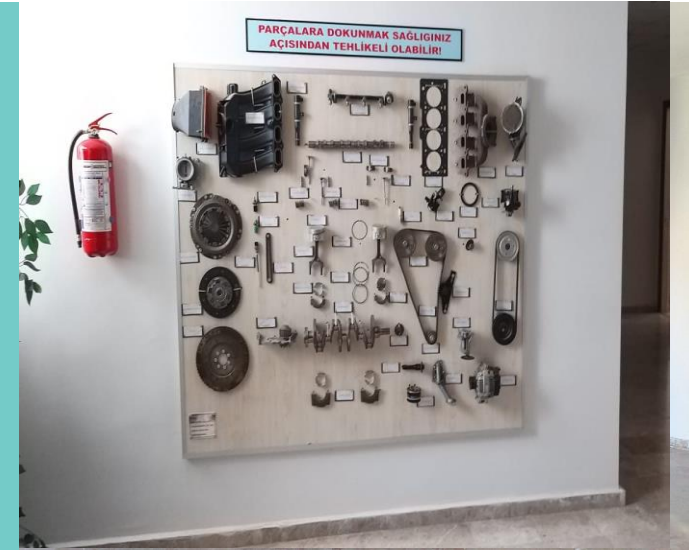
International Black Sea University, Georgia





Department of Mechanical Engineering

Courses



First Semester

Course Unit Code	Course Unit Title	Type of Course	T	P	L	ECTS
M117B2	Drawings	Compulsory	1	2	0	5
M103B2	Foreign Language I	Compulsory	2	0	0	2
M109B2	General Chemistry	Compulsory	3	0	0	5
M115B2	Information and Computer Technologies	Compulsory	2	1	0	4
M113B2	Introduction to Mechanical Engineering	Compulsory	2	0	0	2
M111B2	Mathematics I	Compulsory	4	0	0	5
M107B2	Physics I	Compulsory	4	0	0	5
M101B2	Turkish Language I	Compulsory	2	0	0	2
Total			20	3	0	30

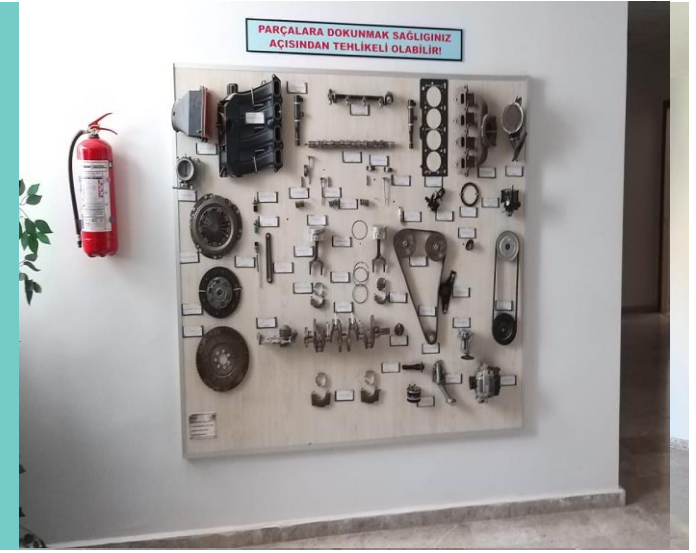
Second Semester

Course Unit Code	Course Unit Title	Type of Course	T	P	L	ECTS
M104B2	Foreign Language II	Compulsory	2	0	0	2
M112B2	Mathematics II	Compulsory	4	0	0	5
M118B2	Measurement Techniques and Rating	Compulsory	2	0	0	4
M114B2	Computer Aided Technical Drawing	Compulsory	1	2	0	4
M116B2	Computer Programming	Compulsory	2	2	0	5
M108B2	Physics II	Compulsory	3	0	0	4
M110B2	Static	Compulsory	3	0	0	4
M102B2	Turkish Language II	Compulsory	2	0	0	2
Total			19	4	0	30



Department of Mechanical Engineering

Courses



Third Semester

Course Unit Code	Course Unit Title	Type of Course	T	P	L	ECTS
M105B2	Ataturk's Principles and History of Turkish Revolution I	Compulsory	2	0	0	2
M205B2	Differential Equations	Compulsory	3	0	0	4
M207B2	Dynamic	Compulsory	3	0	0	4
M213B2	Electrical and Electronics	Compulsory	3	0	0	4
M209B2	Materials Science	Compulsory	3	0	0	4
M211B2	Project Design Principles	Compulsory	3	0	0	4
M203B2	Resistance I	Compulsory	3	0	0	4
M201B2	Thermodynamics I	Compulsory	3	0	0	4
Total			23	0	0	30

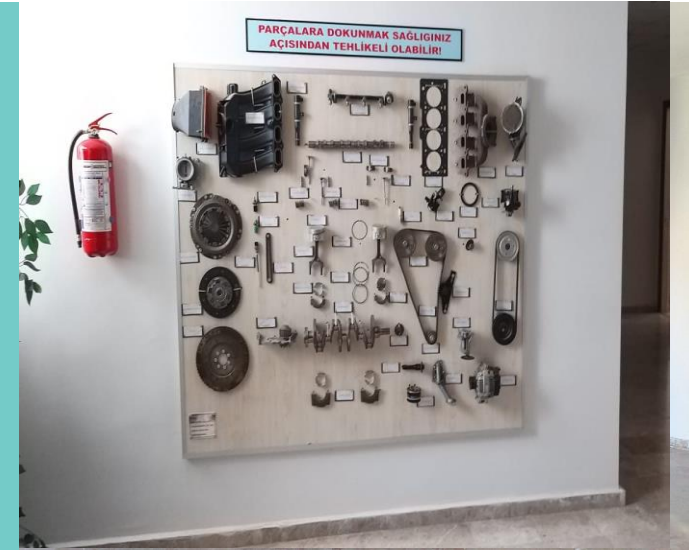
Fourth Semester

Course Unit Code	Course Unit Title	Type of Course	T	P	L	ECTS
M106B2	Ataturk's Principles and History of Turkish Revolution II	Compulsory	2	0	0	2
M208B2	Fluid Mechanics II	Compulsory	3	0	0	4
M210B2	Linear Algebra	Compulsory	3	0	0	4
M206B2	Manufacturing Processes I	Compulsory	3	0	0	4
M212B2	Numerical Methods	Compulsory	3	0	0	4
M204B2	Resistance II	Compulsory	3	0	0	4
M214B2	Technical Elective	Elective	-	-	-	4
M202B2	Thermodynamics II	Compulsory	3	0	0	4
Total			23	0	0	30



Department of Mechanical Engineering

Courses



Fifth Semester

Course Unit Code	Course Unit Title	Type of Course	T	P	L	ECTS
M305B2	Manufacturing Processes II	Compulsory	3	0	0	5
M309B2	Elective Course 1	Elective	-	-	-	5
M311B2	Elective Course 2	Elective	-	-	-	5
M307B2	Fluid Mechanics II	Compulsory	3	0	0	5
M301B2	Heat Transfer I	Compulsory	3	0	0	4
MMS1B2	Internship 1	Compulsory	0	2	0	2
M303B2	Machine Elements I	Compulsory	3	0	0	4
Total			18	2	0	30

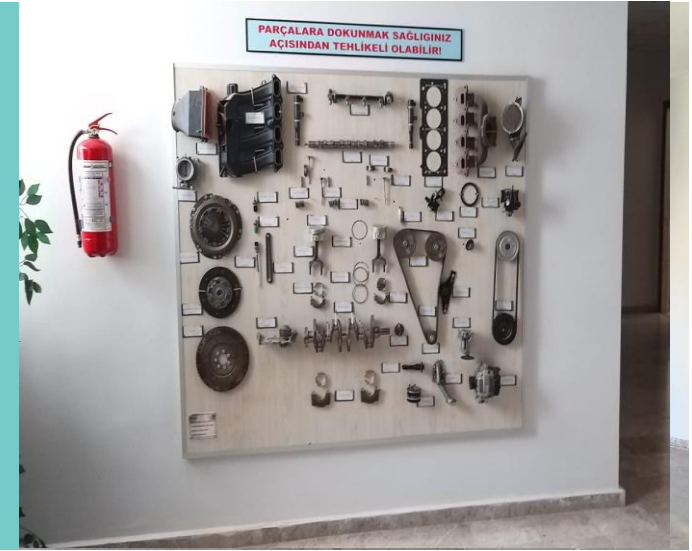
Sixth Semester

Course Unit Code	Course Unit Title	Type of Course	T	P	L	ECTS
M304B2	Machine Elements II	Compulsory	3	0	0	5
M306B2	Dynamics of Machinery	Compulsory	3	0	0	5
M310B2	Elective Course 3	Elective	-	-	-	5
M312B2	Elective Course 4	Elective	-	-	-	5
M302B2	Heat Transfer II	Compulsory	3	0	0	5
M308B2	Mechanical Vibrations	Compulsory	3	0	0	5
Total			18	0	0	30



Department of Mechanical Engineering

Courses



Seventh Semester

Course Unit Code	Course Unit Title	Type of Course	T	P	L	ECTS
M407B2	Elective Course 5	Elective	-	-	-	5
M409B2	Elective Course 6	Elective	-	-	-	5
M411B2	Elective Course 7	Elective	-	-	-	5
M405B2	Graduation Work	Compulsory	0	4	0	5
MMS2B2	Internship 2	Compulsory	0	2	0	2
M401B2	Machinery Laboratory I	Compulsory	0	2	0	2
M403B2	Occupational health and Safety	Compulsory	3	0	0	4
ÜSD	University Elective Courses Group	Elective	-	-	-	2
Total			14	8	0	30

Eighth Semester

Course Unit Code	Course Unit Title	Type of Course	T	P	L	ECTS
M408B2	Elective Course 8	Elective	-	-	-	5
M410B2	Elective Course 9	Elective	-	-	-	5
M404B2	Engineering Economics	Compulsory	3	0	0	4
FS01	Faculty Elective Courses Group	Elective	-	-	-	3
M406B2	Graduation Work II	Compulsory	0	4	0	5
M402B2	Machinery Laboratory II	Compulsory	0	2	0	3
M412B2	Social Elective	Elective	-	-	-	5
Total			14	6	0	30



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