

MECHANICAL ENGINEERING – I YEAR

No.	Course Title	I Semester	II Semester	ECTS
1	Mathematics 1	2+2		6
2	Physics	2+2		6
3	Mechanics	2+2		6
4	Technical Drawing with Descriptive Geometry	2+3		6
5	Materials	2+2		6
		10+11		30
6	Quality Measurement and Control		2+2	6
7	Mathematics 2		2+2	6
8	Informatics Fundamentals		2+2	6
9	Strength of Materials		2+3	6
10	Elective Course 1		2+0	6
			10+9	30

Elective course 1: students choose one of the following courses:

- English Language 1
- Russian Language 1

MECHANICAL ENGINEERING – II YEAR

No.	Course Title	III Semester	IV Semester	ECTS
1	Electrical Engineering with Electronics	2+2		6
2	Machine Elements	3+2		6
3	Application Software	2+2		6
4	Quality Management	3+2		6
5	Elective Course 2	2+1		6
		12+9		30
6	Cutting Process		2+2	6
7	Deformation Processing		2+2	6
8	Thermodynamics and Thermal Devices		2+2	6
9	Computer-Aided Design CAD		2+2	6
10	Elective Course 3		2+2	6
			10+10	30

Elective course 2: in the third semester, students choose one of the following courses:

- English Language 2
- Russian Language 2

Elective course 3: in the fourth semester, students choose one of the following courses:

- Tools and Accessories
- Pumps Compressors and Vents

MECHANICAL ENGINEERING – III YEAR
Module: Production Engineering

No.	Course Title	V Semester	VI Semester	ECTS
1	Machine Tools	2+2		6
2	Computer Management	2+2		6
3	Work Organisation	2+2		6
4	Elective Course 4	2+2		6
5	Elective Course 5	2+2		6
		10+10		30
6	Energy Efficiency		2+2	6
7	New Technology and Materials		3+3	6
8	Numerically Controlled Machines		3+3	6
9	Elective Course 6		2+2	6
10	Practical Training			6
11	Undergraduate Thesis			6
			10+10	30

Elective course 4: students choose one of the following courses:

- Mathematical Modeling
- Occupational Safety

Elective course 5: students choose one of the following courses:

- Databases
- WEB Design
- Wood Processing Machines, Tools and Technology

Elective course 6: students choose one of the following courses:

- Human Resource Management
- Introduction to Object-Oriented Programming

Module: Thermo-Technics

No.	Course Title	V Semester	VI Semester	ECTS
1	Thermal Power Plants	2+2		6
2	Computer Management	2+2		6
3	Work Organisation	2+2		6
4	Elective Course 4	2+2		6
5	Elective Course 5	2+2		6
		10+10		30
6	Energy Efficiency		2+2	6
7	Gas and Gas Installations		3+3	6
8	Heating and Air Conditioning		3+3	6
9	Elective Course 6		2+2	6
10	Practical Training			6
11	Undergraduate Thesis			6
			10+10	30

Elective course 4: students choose one of the following courses:

- Mathematical Modeling
- Occupational Safety

Elective course 5: students choose one of the following courses:

- Databases
- WEB Design
- Wood Processing Machines, Tools and Technology

Elective course 6: students choose one of the following courses:

- Human Resource Management
- Introduction to Object-Oriented Programming