

Year of study 1

Semester 1

COURSE	ECTS
Computer and Engineering Graphics	4
Digital Society	2
Materials I	6
Mathematics I	8
Mechanics I	7
Physical Education	1
Programming Fundamentals	2

Semester 2

COURSE	ECTS
Computer Aided Design	4
Materials II	3
Mathematics II	6
Mechanics II	6
Mechanics of Deformable Bodies	6
Object Programming	4
Physical Education	1

Year of study 2

Semester 3

COURSE	ECTS
Design Elements I	7
Dynamics of Mechanical Systems	5
Electrical Engineering	5
Linear Algebra and Numerical Mathematics	4
Physical Education	1
Technical English I	2
Welding and Assembly	3
Elective course	3

Semester 4

COURSE	ECTS
Computational Tools	4
Design Elements II	7
Electronics	4
Metal Forming and Cutting	4
Metrology and Dynamic Measurements	3
Physical Education	1
Student Training	-
Technical English II	2
Thermodynamics	5

Year of study 3

Semester 5

COURSE	ECTS
Feedforward and Feedback Control	5
Microprocessor Control	6
Pneumatics and Hydraulics	5
Product Development	3
Robotics	6
Technical English III	2
Study programme elective course	3

Semester 6

COURSE	ECTS
Autonomous Systems	3
Electric Machines and Drives	4
Fluid Mechanics	5
Modeling and Simulation of Mechatronic Systems	4
Sensors	4
Technical English IV	3
Study programme elective course	3
Undergraduate Thesis	4