



Winter Semester - from October to February

| Lp. | Course name | Exam / Credit | Numbers of hours per semester | | | | | | | ECTS |
|-------------------|-----------------------------------|---------------|-------------------------------|-----------|---|------------|----|---|------------|-----------|
| | | | L | D | W | Lab | P | S | SW | |
| Semester 1 | | | | | | | | | | |
| 1 | Basics of Programming | C | 15 | | | 30 | | | 30 | 3 |
| 2 | Engineering graphics | E | 15 | | | 45 | | | 65 | 5 |
| 3 | Foreign language 1 | C | | 30 | | | | | 20 | 2 |
| Semester 3 | | | | | | | | | | |
| 1 | Microcontrolers programing | E | 15 | | | 30 | 15 | | 40 | 4 |
| 2 | Basics of Artificial Intelligence | C | 15 | | | 30 | | | 30 | 3 |
| 3 | Introduction to robotics | E | 15 | 15 | | 15 | | | 55 | 4 |
| 4 | Foreign language 3 | C | | 30 | | | | | 20 | 2 |
| Semester 5 | | | | | | | | | | |
| 1 | Process Robotization | Z | 15 | | | | 30 | | 30 | 3 |
| 2 | Process Visualization | Z | 15 | | | | 30 | | 55 | 4 |
| Total | | | 330h | | | | | | | |
| | | | 105 | 75 | | 150 | | | 345 | 30 |

Summer Semester - from March to June

| Lp. | Course name | Exam / Credit | Numbers of hours per semester | | | | | | | ECTS |
|-------------------|-----------------------------------|---------------|-------------------------------|-----------|---|-----------|----|---|------------|-----------|
| | | | L | D | W | Lab | P | S | SW | |
| Semester 2 | | | | | | | | | | |
| 1 | Object-Oriented Programming | E | 30 | | | 30 | | | 65 | 5 |
| 1 | Laboratory of 3D construction | C | 15 | | | 30 | | | 30 | 3 |
| 2 | Strength of materials | C | 15 | | | | 30 | | 55 | 4 |
| 3 | Foreign language 2 | C | | 30 | | | | | 20 | 2 |
| Semester 4 | | | | | | | | | | |
| 1 | Introduction to Computer Networks | C | 15 | | | 30 | | | 5 | 2 |
| 2 | Electric drives | C | 15 | | | | 30 | | 55 | 4 |
| 3 | Computer Aided Design | C | 15 | | | | 30 | | 30 | 3 |
| 4 | Fluids drives | Z | 15 | | | | 30 | | 55 | 4 |
| 5 | Foreign language 4 | C | | 30 | | | | | 45 | 3 |
| Total | | | 270h | | | | | | | |
| | | | 120 | 60 | | 90 | | | 360 | 30 |