



# Lomza State University of Applied Sciences

Faculty of Computer Science and Food Science

Automation and Robotics (first degree) - Stationary Studies: Courses in the **summer** semester of academic year 2018/2019

Specialty: Process Automation

| Lp.        | Course name                             | Exam /<br>Credit | Numbers of hours per semester |    |   |     |    |   |     | ECTS |
|------------|---|------------------|-------------------------------|----|---|-----|----|---|-----|------|
|            |   |                  | L                             | D  | W | Lab | P  | S | SW  |      |
| Semester 2 |   |                  |                               |    |   |     |    |   |     |      |
| 1          | Object-Oriented Programming             | E                | 30                            |    |   | 30  |    |   | 90  | 6    |
| 2          | Digital Technology / Digital Electronic | E                | 30                            |    |   | 30  |    |   | 65  | 5    |
| 3          | Foreign language 2                      | C                |                               | 30 |   |     |    |   | 20  | 2    |
| Semester 4 |   |                  |                               |    |   |     |    |   |     |      |
| 1          | Computer Aided Design                   | C                | 15                            |    |   | 30  |    |   | 80  | 5    |
| 2          | Computer Graphics                       | E                | 30                            |    |   | 30  |    |   | 40  | 4    |
| 3          | Introduction to Computer Networks       | C                | 30                            |    |   | 30  |    |   | 40  | 4    |
| 4          | Microcontrollers programing             | C                | 15                            |    |   | 30  |    |   | 5   | 2    |
| 5          | Foreign language 4                      | C                |                               | 30 |   |     |    |   | 20  | 2    |
| Semester 6 |   |                  |                               |    |   |     |    |   |     |      |
| 1          | Process Robotization                    | Z                | 30                            |    |   | 30  |    |   | 40  | 4    |
| 2          | Process Visualization                   | Z                | 15                            |    |   |     | 30 |   | 30  | 3    |
| 3          | Team Project                            | Z                |                               |    |   |     | 30 |   | 20  | 2    |
| Total 465h |   |                  | 195                           | 60 |   | 210 |    |   | 450 | 39   |