**Mechatronics**

List of courses – Summer semester

1. Design of mechatronic systems 4 ECTS
2. Digital technology in mechatronics 3 ECTS
3. Electrical engineering and electrical machines in mechatronics 3 ECTS
4. Electronic systems and components in mechatronics 4 ECTS
5. Laboratory of programmable controllers 3 ECTS
6. Mechatronics 3 ECTS
7. Simulation and virtual prototyping of mechatronic systems 3 ECTS
8. Technical mechanics 3 ECTS
9. Relational database management systems 3 ECTS
10. Non-metal materials and nano-materials 2 ECTS

**Sum: 31 ECTS**