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| **Course catalogue** **State University of Applied Sciences in Krosno**  **Field of study (ENG/PL):Automatics and Robotics/ Automatyka i robotyka**  **Academic year 2023/2024,**  **Semester: spring** | | | | | | |
| **Name of course** | **Semester** | **ECTS** | **Form of class** | **Language** | **Exam** |
| **YEAR I** | | | | | | |
| Foreign language | Spring (1st Year) | 2 | Lectorate (30h) | PL/Eng | No |
| Physical education | Spring  (1st Year) | NONE | Workshops (30h) | PL/Eng | No |
| Differential equations and integral transformations | Spring  (1st Year) | 2 | Lecture (15h),  Exercise classes (15h) | PL/Eng | No |
| Probability Theory and Statistics | Spring  (1st Year) | 3 | Lecture (15h),  Exercise classes (30h) | PL/Eng | Yes |
| Physics 2 | Spring  (1st Year) | 4 | Lecture (15h),  Exercise classes (15h),  Laboratory (15h) | PL/Eng | Yes |
| Mechanics and strength of materials | Spring  (1st Year) | 4 | Lecture (30h),  Exercise classes (15h),  Laboratory (15h) | PL/Eng | Yes |
| Electrotechnics | Spring  (1st Year) | 4 | Lecture (30h),  Exercise classes (15h),  Laboratory (15h) | PL/Eng | Yes |
| Informatic | Spring  (1st Year) | 3 | Lecture (15h),  Laboratory (30h) | PL/Eng | No |
| Fundamentals of metrology | Spring  (1st Year) | 3 | Lecture (15h),  Laboratory (30h) | PL/Eng | No |
| **YEAR II** | | | | | | |
| Foreign language | Spring  (2nd Year) | 2 | Lectorate (30h) | PL/Eng | Yes |
| Enterpreneurship | Spring  (2nd Year) | 1 | Lecture (5h),  Project classes (10h) | PL/Eng | No |
| Measurement methods and techniques | Spring  (2nd Year) | 3 | Lecture (15h),  Laboratory (30h) | PL/Eng | No |
| Electronics | Spring  (2nd Year) | 4 | Lecture (15h),  Exercise classes and  laboratory (30h),  Project classes (15h) | PL/Eng | Yes |
| Signal processing and analysis | Spring  (2nd Year) | 4 | Lecture (15h),  Exercise classes (15h),  Laboratory (15h) | PL/Eng | No |
| Structural and object-oriented programming | Spring  (2nd Year) | 3 | Lecture (15h),  Laboratory (30h) | PL/Eng | No |
| Circuit theory | Spring  (2nd Year) | 3 | Lecture (15h),  Laboratory (30h) | PL/Eng | Yes |
| Computer-aided design | Spring  (2nd Year) | 3 | Lecture (15h),  Project classes (30h) | PL/Eng | No |
| **YEAR III** | | | | | | |
| Automated manufacturing systems | Spring  (3rd Year) | 3 | Lecture (15h),  Project classes (30h) | PL/Eng | No |
| Modeling of dynamic systems | Spring  (3rd Year) | 4 | Lecture (15h),  Project classes (30h) | PL/Eng | Yes |
| Exploitation and Diagnostics of technical systems and devices | Spring  (3rd Year) | 5 | Lecture (15h),  Laboratory (30h) | PL/Eng | Yes |
| Production management systems | Spring  (3rd Year) | 4 | Lecture (15h),  Project classes (30h) | PL/Eng | No |
| Engineering project in automation | Spring  (3rd Year) | 5 | Project classes (30h) | PL/Eng | No |

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| Optional coursesAcademic year 2023/2024Semester: spring | | | | | | | |
| **No** | **Name of course (ENG)** | **Name of course (PL)** | **Semester** | **Number of ECTS credits** | **Form of class** | **Language** | **Exam**  **(yes/no)** |
|  | Polish for Foreigners | Język polski dla obcokrajowców | spring | 4 | auditorium exercises | English | no |
|  | Introduction to Poland | Wprowadzenie do nauki o Polsce | spring | 4 | auditorium exercises | English | no |