

Bachelor Study

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| Materials 1 | 2 ECTS |
| Mechanics (Statics) | 5 ECTS |
| Elasticity and strength of materials 1 | 5 ECTS |
| Image processing and Computer Vision Recognition | 4 ECTS |
| Introduction into signal processing | 4 ECTS |
| Linear algebra | 5 ECTS |
| Advanced project management | 5 ECTS |
| Diskrete structures and mathematics | 5 ECTS |
| Fundamentals of Structural Programming | 5 ECTS |
| Introduction into Computer Networks | 5 ECTS |
| Introduction into Database Systems | 4 ECTS |
| Software ingeneering | 5 ECTS |
| English language | 2 ECTS |

Master Study

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| Metrology | 2 ECST |
| Continuum mechanics | 5 ECTS |
| Numerical methods in mechanics and Matlab | 5 ECTS |
| Numerical Methods | 3 ECTS |
| Image processing and Computer Vision Recognition | 4 ECTS |
| Introduction into signal processing | 4 ECTS |
| Linear Continuous-Time Systems Dynamics Analysis and Control | 5 ECTS |
| Diskrete structures and mathematics | 5 ECTS |
| Smart materials | 4 ECTS |
| Computer Networks | 5 ECTS |
| Advanced project management | 5 ECTS |
| English language | 2 ECTS |

Summer Semester 2024/2025

Bachelor Study

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|--|--------|
| Materials | 5 ECTS |
| Mechanics 2 (Kinematics and Dynamics) | 5 ECTS |
| Elasticity and strength of materials 2 | 5 ECTS |
| Mechatronic systems and robotics | 5 ECTS |
| Fundamentals of design | 3 ECTS |
| Statistics for technics | 4 ECTS |
| Basics of Project management | 3 ECTS |
| Artificial Intelligence | 4 ECTS |
| Programming Languages and Compilers | 5 ECTS |
| Multimedia | 4 ECTS |
| English language | 2 ECTS |

Master Study

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|----------------------------------|--------|
| Industry 4.0 | 4 ECTS |
| Finite element method | 5 ECTS |
| Multibody mechanics | 5 ECTS |
| Mechatronic systems and robotics | 5 ECTS |
| Artificial Intelligence | 4 ECTS |
| Rheology and plastics processing | 5 ECTS |
| English language | 2 ECTS |