

Courses for Non-Degree Exchange Students
 taught in English in the School of Engineering
 Offered in the Fall Semester (March 2026 - July 2026)

Provisional course list – changes are still possible

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Undergraduate Courses (Bachelor Level)

| Industrial Engineering “International Project Engineering” Study Programme | | | | | | | | |
|--|----------------------------|---------------------------------------|-------------------------|------------------------------|-----------------|--------------------------|---------------------|----------|
| Code | Level (Bachelor/Master) | Course Title | Contact hours / week | Offered Winter/ Summer | ECTS Credits | Type of assessment | Graded/ ungraded | Lecturer |
| 610010 | Bachelor | WIP Project Leadership | 2 | Every Semester | 2 | Written exam | Graded | Brune |
| 610510 | Bachelor | WIP Project Planning | 2 | Every Semester | 3 | Written exam | Graded | Brune |
| 610030 | Bachelor | WIP Accounting | 2 | Every Semester | 3 | Oral exam 15 min | Graded | Brüsch |
| 610520 | Bachelor | WIP Project Budgeting and Controlling | 5 | Every Semester | 7 | Written exam 2h & Testat | Graded | Brüsch |
| Note: self-study using EduScrum is part of the course. | | | | | | | | |
| 610430 | Bachelor | WIP Finance and Investment | 2 | Every Semester | 3 | Oral exam 15 min | Graded | Brüsch |
| 610060 | Bachelor | WIP Supply Chain Management | 2 | Every Semester | 3 | Project Work | Graded | Brüsch |

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|--------|----------|---------------------------------------|---|----------------|---|-----------------------------------|--------|------------------|
| 610440 | Bachelor | WIP Plant Engineering | 3 | Every Semester | 5 | Written exam | Graded | Samland |
| 610080 | Bachelor | WIP Project Management Certification | 2 | Every Semester | 3 | Written exam 1h | Graded | Lehmann |
| 610100 | Bachelor | WIP Intercultural Communication | 4 | Every Semester | 5 | Written seminar paper, group film | Graded | Reich |
| 610450 | Bachelor | WIP Scientific Approaches and Methods | 2 | Every Semester | 3 | Continuous Assessment (CA) | Graded | Casellato |
| 610460 | Bachelor | WIP Smart Systems | 5 | Every Semester | 7 | Project Work (PA) | Graded | Notholt, Wachter |
| 610500 | Bachelor | WIP Business Transformation | 2 | Every Semester | 3 | Written exam, case studies | Graded | Sattler |
| | Bachelor | WIP Strategic Management | 4 | Every Semester | 5 | Written exam, project assignment | Graded | Reich |
| | Bachelor | WIP Human Resource Management | 2 | Every Semester | 2 | Written exam, project assignment | Graded | Churchill |
| 610180 | Bachelor | WIP Marketing Project | 4 | Every Semester | 5 | Project Work | Graded | Reich |
| 610190 | Bachelor | WIP Management Simulation | 2 | Every Semester | 3 | Online Test | Graded | Reich |

Note: IPE Management Simulation is designed as an intensive course which is held after the exams period.

Mechanical Engineering Study Programme

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|--------|----------|---------------------------|---|-----------------|---|---|--------|--------|
| 610210 | Bachelor | MBB Design Methodology | 2 | Every Semester | 3 | Assignments | Graded | Ritter |
| 610230 | Bachelor | MBB Applied Acoustics | 2 | Winter Semester | 3 | Written exam, Group project, Presentation | Graded | Pitsch |
| 610200 | Bachelor | MBB Finite Element Method | 3 | Every Semester | 3 | Group project, presentation | Graded | Peter |

Note: Finite Element Method will only be offered in English if the course is demanded by minimum 3 international students.

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| 610220 | Bachelor | MBB Data Science | 2 | Every Semester | 3 | Continuous Assessment | Graded | Priwitzer |
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Note: Data Science will only be offered in English if the course is demanded by minimum 3 international students.

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| 610240 | Bachelor | MBM Heat Transfer | 4 | Every Semester | 6 | Written exam | Graded | Thomas |
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Note: Heat Transfer is offered with reservation. Open for exchange students only after consultation with the International Coordinator (Nadja Lobensteiner).

Mechatronics Study Programme

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| 610250 | Bachelor | MEB Electrical Drives Lecture & Lab | 3 | Every Semester | 4 | Written exam | Graded | Schuller us |
| 610260 | Bachelor | MEB Interactive Robots in Motion | 2 | Every Semester | 3 | Presentation, documentation | Graded | Rätsch |
| 610270 | Bachelor | MEB Power Electronics Laboratory | 2 | Every Semester | 3 | Lab report | Ungraded | Ulrich |
| 610280 | Bachelor | MEB Semiconductor Devices | 6 | Every Semester | 5 | Oral exam 20min | Graded | Sönmez |
| | Bachelor | MEB Control Engineering lecture + Laboratory | 4 | Every Semester | 6 | Written exam, 2h, Lab report | Graded | Notholt |
| | Bachelor | Power Electronics 2 | 2 | Every Semester | 3 | Oral exam 20min | Graded | Ulrich |

Postgraduate Courses (Master Level)

| Mechanical Engineering Study Programme | | | | | | | | |
|---|-------------------------|--|----------------------|------------------------|--------------|--|------------------|------------------|
| Code | Level (Bachelor/Master) | Course Title | Contact hours / week | Offered Winter/ Summer | ECTS Credits | Type of assessment | Graded/ ungraded | Lecturer |
| 650140 | Master | MBM Applied Mathematics | 4 | Every Semester | 6 | problem sheets + Written exam | Graded | Priwitzer, Peter |
| 650040 | Master | MBM Numerical Structural Mechanics | 6 | Every Semester | 7 | Written exam, assignment, presentations | Graded | Lauxman |
| Note: Numerical Structural Mechanics will only be offered in English if the course is demanded by minimum 3 international students. | | | | | | | | |
| Mechatronics Study Programme | | | | | | | | |
| 650050 | Master | MEM Renewable Energies | 2 | Every Semester | 3 | Exam, Presentation, seminar paper | Graded | Notholt |
| 650070 | Master | MEM Human Robot Collaboration Introduction | 2 | Every Semester | 3 | Report, final presentation, documentation | Graded | Rätsch |
| 650080 | Master | MEM Human Robot Collaboration– Applications | 2 | Every Semester | 3 | Report, final presentation, documentation | Graded | Rätsch |
| 650090 | Master | MEM Machine Vision and Artificial Intelligence | 5 | Every Semester | 6 | Report, final presentation, documentation, oral exam | Graded | Rätsch |
| Note: MEM Machine Vision and Artificial Intelligence is offered only for students with advanced knowledge in this field of study. | | | | | | | | |
| 650110 | Master | MEM EMC and Signal Integrity Lecture | 2 | Every Semester | 3 | Written exam | Graded | Pouhè |
| Note: EMC and Signal Integrity will be only offered in English if demanded by minimum 5 international students | | | | | | | | |
| 650120 | Master | MEM EMC and Signal Integrity Laboratory | 2 | Every Semester | 3 | Lab report | Ungraded | Pouhè |
| Note: EMC and Signal Integrity Laboratory cannot be chosen separately from EMC and Signal Integrity Lecture. | | | | | | | | |

Interdisciplinary Courses

| Code | Level (Bachelor/Master) | Course Title | Contact hours / week | Offered Winter/ Summer | ECTS Credits | Type of assessment | Graded/ ungraded | Lecturer |
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| 610330 | Bachelor/ Master | Career Management | 2 | On demand/ Every semester | 2 | Presentation | Ungraded | Nebeling |
| Note: Career Management takes place if demanded by a minimum of 10 students. The course is designed as an intensive course which is held after the exams period. | | | | | | | | |

Project Opportunities for Undergraduate, Postgraduate and PhD Students

Please note: Project positions will be offered on demand for a limited number of students if a professor agrees to act as project supervisor.

| Code | Level (Bachelor/ Master) | Course Title | Hours per week / total hours of study | Offered Winter/ Summer | ECTS Credits | Type of assessment | Graded/ ungrade d | Lecturer |
|--------|--------------------------------|------------------------------------|---|------------------------------|-----------------|----------------------------------|-------------------------|----------|
| 610340 | Bachelor/ Master | Semester Engineering Project | 10/ 180 | Every Semester | 6 | Documentation of work, report | Graded | Various |
| 610350 | Bachelor/ Master | Semester Engineering Project | 12/ 240 | Every Semester | 8 | Documentation of work, report | Graded | Various |
| 610360 | Bachelor/ Master | Semester Engineering Project | 15/ 300 | Every Semester | 10 | Documentation of work, report | Graded | Various |
| 610370 | Bachelor/ Master | Semester Engineering Project | 20/ 450 | Every Semester | 15 | Documentation of work, report | Graded | Various |
| 610380 | Bachelor/ Master | Semester Engineering Project | 40/ 900 | Every Semester | 30 | Documentation of work, report | Graded | Various |