# COURSE LIST

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|---|---|
| **HOST UNIVERSITY** | **Hochschule Darmstadt, University of Applied Sciences** |
| **SEMESTER IN THE DEGREE PROGRAMME** | **All** |
| **CLUSTER PROGRAMME** | **All** |
| **SEASON** | **All** |
| **TEACHING LANGUAGE** | **All** |
| **DOCUMENT CREATED ON** | **19/11/2026** |

546 course(s) · 2 846.8 ECTS in total

| CODE | COURSE (LINK TO ITS DESCRIPTION) | TEACHING LANGUAGES | SEASONS | ECTS |
|---|---|---|---|---|
| 30.2508 | .Net Framework and C# [ELECTIVE] | English | Spring | 5.0 |
| 185236 | Advanced Concrete Technology | English, Deutsch | Spring | 5.0 |
| MC01 | Advanced digital signal processing | English | Fall | 5.0 |
| MK.4170 | Advanced Elastostatics | — | Fall, Spring | 5.0 |
| MK.2080 | Advanced Engineering Design | Deutsch | Fall, Spring | 5.0 |
| MM03 | Advanced Microcontroller Systems and Embedded Operating Systems | English | Fall | 5.0 |
| MC02 | Advanced modulation | English | Spring | 5.0 |
| MM01 | Advanced Progamming Techniques | English | Fall | 5.0 |
| 30.2678 | Advanced Programming in Python [ELECTIVE] | Deutsch | Spring | 5.0 |
| MK.2000 | Advanced Research Project(s) | English | Fall, Spring | 5.0 |
| 184310 | Advanced seminar research project traffic and transport | Deutsch | Fall, Spring | 7.5 |
| — | Advanced sensors for the IoT | English | Fall | ? |
| MC04 | Advanced software design and development | English | Fall | 5.0 |
| MMwp04 | Advanced Software Design Techniques | English | Fall | 5.0 |
| 30.2650 | Advanced Systems Programming [ELECTIVE] | English | Spring | 5.0 |
| 30.2476 | Advanced Testing [ELECTIVE] | Deutsch | Spring | 5.0 |
| MK.2130 | Advanced Thermodynamics and Renewable Energies | Deutsch | Fall, Spring | 5.0 |

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|---|---|---|---|---|
| 30.2566 | Advanced Web Development [ELECTIVE] | Deutsch | Spring | 5.0 |
| 185303 | Air transport | Deutsch | Fall, Spring | 5.0 |
| 30.7118 | Algorithms and Data Structures | Deutsch | Fall, Spring | 5.0 |
| EENG H1018 | Analogue Electronics | English | — | 5.0 |
| FBW14433 | Application Systems | Deutsch | Fall, Spring | 5.0 |
| 203180 | Applied Geology: Hydrogeology and Engineering Geology | Deutsch | Fall | 5.0 |
| FBW14423 | Applied International Economic Research Methods | English | Fall, Spring | 5.0 |
| FBW133 | Applied Macro Economics | Deutsch | Fall | 5.0 |
| FBW12500 | Applied Macro-economics | Deutsch | Fall, Spring | 5.0 |
| FBW124 | Applied Micro Economics | Deutsch | Spring | 5.0 |
| FBW11500 | Applied Micro-economics | Deutsch | Fall, Spring | 5.0 |
| FBW14473 | Auditing | Deutsch | Fall, Spring | 5.0 |
| 184305 | Audits in traffic and transport | Deutsch | Spring | 7.5 |
| — | Autonomous mobile robots | English | Fall | ? |
| 205100 | Bachelor Thesis | English, Deutsch | Fall, Spring | 15.0 |
| FBW16300 | Bachelor Thesis | English, Deutsch | Fall, Spring | 15.0 |
| M0323 | Bachelor Thesis Module | — | Fall, Spring | 15.0 |
| 181110 | Basics in Building Operations | Deutsch | Fall | 5.0 |
| FBW13300 | Basics in Controlling | Deutsch | Fall, Spring | 5.0 |
| FBW13500 | Basics in Logistics | Deutsch | Fall, Spring | 5.0 |
| 203440 | Basics of Road Safety | Deutsch | Fall | 5.0 |
| 181105 | Basics of Building Economics | Deutsch | Fall, Spring | 5.0 |
| 183330 | Basics of road safety | Deutsch | Fall, Spring | 5.0 |
| 1812320 | Basics of structural engineering | Deutsch | Fall | 5.0 |
| 183299 | BIM (Building Information Modeling) 1 | Deutsch | Fall, Spring | 5.0 |
| 185199 | BIM 2 | Deutsch | Spring | 5.0 |
| 201200 | Biology and Chemistry | Deutsch | Fall | 5.0 |
| 181215 | Building Construction 1 | Deutsch | Fall | 5.0 |
| 185218 | Building Construction 2 | Deutsch | Spring | 5.0 |

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|---|---|---|---|---|
| 185230 | Building Construction Project | Deutsch | Fall | 5.0 |
| 183120 | Building Economics | Deutsch | Fall | 5.0 |
| 183510 | Building history of Rome 1 | Deutsch | Fall | 2.5 |
| 183515 | Building history of Rome 2 | Deutsch | Spring | 2.5 |
| 185299 | Building Information Modeling (BIM) 2 | Deutsch | Spring | 5.0 |
| 183199 | Building Information Modeling 1 (BIM 1) | Deutsch | — | 5.0 |
| 185242 | Building maintenance in existing buildings | Deutsch | Fall, Spring | 5.0 |
| 181225 | Building Materials 1 | Deutsch | Fall | 5.0 |
| 1812310 | Building Materials 2 | Deutsch | Spring | 5.0 |
| 183280 | Building materials testing | Deutsch | Fall, Spring | 5.0 |
| 183293 | Building Physics | Deutsch | Spring | 5.0 |
| P 5021 | Building theory II | Deutsch | Fall | 2.5 |
| 183505 | Buildings of New York | Deutsch | Spring | 2.5 |
| FBW12600 | Business Statistics | Deutsch | Fall, Spring | 5.0 |
| FBW14100 | Business English (b2/C1) | Deutsch | Fall, Spring | 5.0 |
| FBW141 | Business English 1 | English | Spring | 5.0 |
| FBW151 | Business English 2 | English | Fall | 5.0 |
| FBW12200 | Business Informatics | Deutsch | Fall, Spring | 5.0 |
| FBW13200 | Business Informatics II | Deutsch | Fall, Spring | 5.0 |
| FBW126 | Business Informatics I | Deutsch | Spring | 5.0 |
| FBW136 | Business Informatics II | Deutsch | Fall | 5.0 |
| FBW14300 | Business Law | Deutsch | Fall, Spring | 5.0 |
| FBW116 | Business Mathematics | Deutsch | Fall | 5.0 |
| FBW11600 | Business Mathematics (Math for Economics) | Deutsch | Fall, Spring | 5.0 |
| FBW132 | Business Simulation & Scientific Writing | Deutsch | Fall | 5.0 |
| FBW146 | Business Simulation Seminar | Deutsch | Spring | 5.0 |
| FBW125 | Business Statistics | Deutsch | Spring | 5.0 |
| P 5031 | CAAD III: 3D architectural visualisation | Deutsch | Fall | 2.5 |
| 201850 | CAD / GIS - Computer Aided Design / Geoinformation Systems | English, Deutsch | Fall | 5.0 |
| 183227 | CAD and FEM | Deutsch | Spring | 5.0 |

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|---|---|---|---|---|
| — | Catalogue Social & Culture | Deutsch | Fall | 2.5 |
| 203485 | Circular Economy Strategies for Engineering Materials and Energy Technologies | English | Spring | 5.0 |
| 202300 | Circular Economy | Deutsch | Fall | 5.0 |
| 710 | Circular Economy and Waste Treatment 2 | Deutsch | Spring | 5.0 |
| 183475 | Circular Economy Strategies for Engineering Materials and Energy Technologies | English | Spring | 5.0 |
| 183425 | Circular Economy/Waste Technology 1 | Deutsch | Fall | 5.0 |
| 183427 | Circular Economy: Engineering Laboratory | Deutsch | Spring | 5.0 |
| — | Coded data communications | Deutsch | Fall | 5.0 |
| 775 | Commercial Transport | Deutsch | — | 5.0 |
| 185330 | Commercial Transport | Deutsch | Fall | 5.0 |
| 183545 | Communication and Public Relationship in Civil Engineering Projects | Deutsch | Fall | 5.0 |
| — | Communication systems | Deutsch | Spring | 5.0 |
| 30.2548 | Compiler Construction [ELECTIVE] | English | Fall | 5.0 |
| FBW16200 | Complementary seminar to internship | Deutsch | Fall, Spring | 3.0 |
| MK.5000 | Complementary Studies in Social Sciences | — | Fall, Spring | 2.5 |
| MK.4000 | Complementary Studies in Social Sciences | — | Fall, Spring | 2.5 |
| MK.1900 | Component Modelling and Optimization | Deutsch | Fall, Spring | 5.0 |
| 185212 | Composite Construction | Deutsch | Spring | 5.0 |
| 901050 | Compulsory elective module - Impromptu design | English, Deutsch | Fall, Spring | 1.3 |
| 903050 | Compulsory elective module architecture | Deutsch | Fall, Spring | 2.5 |
| 182310 | Computer Aided Traffic Engineering | Deutsch | Spring | 5.0 |
| 182210 | Computer Application in Structural Engineering | Deutsch | Spring | 5.0 |
| 30.7106 | Computer Architecture | Deutsch | Fall, Spring | 5.0 |
| 30.7330 | Computer Networks | Deutsch | Fall, Spring | 5.0 |
| MK.2190 | Computer science | — | Fall, Spring | 5.0 |
| 706.3531 | Computer-Aided Methods, CAx | English, Deutsch | Fall, Spring | 5.0 |
| 183565 | Concrete Canoe | English, Deutsch | Fall, Spring | 5.0 |
| 183285 | Concrete Structures Project | Deutsch | Spring | 5.0 |

| CODE | COURSE (LINK TO ITS DESCRIPTION) | TEACHING LANGUAGES | SEASONS | ECTS |
|---|---|---|---|---|
| P 5042 | Construction | Deutsch | Spring | 2.5 |
| 183605 | Construction and Society | Deutsch | Fall | 2.5 |
| P 901043 | Construction I | Deutsch | Fall | 2.0 |
| P 902042 | Construction II | Deutsch | Spring | 2.0 |
| 185127 | Construction in existing buildings | Deutsch | Spring | 5.0 |
| P 901042 | Construction Management | Deutsch | Fall | 2.0 |
| 201500 | Construction Materials | Deutsch | Spring | 5.0 |
| 183105 | Construction Methods 2 | Deutsch | Spring | 5.0 |
| 183110 | Construction Methods 3 | Deutsch | Fall | 5.0 |
| 30.2652 | Construction of Multi-Touch and Multi-User Interfaces [ELECTIVE] | English | Spring | 5.0 |
| 183115 | Construction Project | Deutsch | Spring | 5.0 |
| 202050 | Contaminated Land Remediation | Deutsch | Spring | 5.0 |
| 184115 | Contract Management and Project | Deutsch | Fall | 7.5 |
| MK.3540a | Control engineering | Deutsch | Fall, Spring | 7.5 |
| FBW134 | Controlling | Deutsch | Fall | 5.0 |
| MK.2865 | Conveyor technology, material flow technology and logistics | Deutsch | — | 5.0 |
| 184105 | Corporate Accounting in Construction | Deutsch | Spring | 10.0 |
| FBW13600 | Corporate Taxation | Deutsch | Fall, Spring | 5.0 |
| FBW12300 | Cost Accounting (internal) | Deutsch | Fall, Spring | 5.0 |
| 730 | Cost and Financial Controlling for Environmental Engineers | Deutsch | Fall | 5.0 |
| 84.7412 | Cryptology [ELECTIVE] | Deutsch | Spring | 5.0 |
| 185130 | Current Topics in Real Estate | Deutsch | — | 2.5 |
| 755 | Dams and Dikes | Deutsch | — | 5.0 |
| 185403 | Dams and Dikes | Deutsch | — | 5.0 |
| 30.2512 | Data Warehouse Technologies [ELECTIVE] | Deutsch | — | 5.0 |
| 30.7326 | Databases | Deutsch | Fall, Spring | 5.0 |
| 30.2612 | Decision theory [ELECTIVE] | Deutsch | Fall | 5.0 |
| 770 | Design of urban arterial roads | Deutsch | Spring | 5.0 |

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|---|---|---|---|---|
| 185245 | Design and Construction of Bridges | Deutsch | Spring | 5.0 |
| P 901011 | Design and planning I | English, Deutsch | Fall | 10.0 |
| P 902011 | Design and planning II | English, Deutsch | Spring | 10.0 |
| 185318 | Design of urban arterial roads | Deutsch | Spring | 5.0 |
| P 903034 | Design Theory - Colour and Environment | Deutsch | Spring | 2.5 |
| P 5033 | Design Theory – Colour and architecture | Deutsch | Fall | 2.5 |
| P 5034 | Design Theory – Colour and space | Deutsch | Spring | 2.5 |
| 183250 | Detailing of Reinforcement in Concrete Structures | Deutsch | Fall, Spring | 5.0 |
| 30.7400 | Development of Web-Based Applications | Deutsch | Fall, Spring | 5.0 |
| 30.2656 | DevOps Engineering with Kubernetes [ELECTIVE] | Deutsch | Fall | 5.0 |
| 185139 | Digital approach in design, construction and operating phase of buildings | Deutsch | Spring | 5.0 |
| MCwp01 | Digital signal processing applications | — | — | 2.5 |
| MMwp06 | Digital Signal Processing Chain | English | Spring | 2.5 |
| MMwp03 | Digital System Design | English | Spring | 5.0 |
| 30.2618 | Digital Transformation [ELECTIVE] | Deutsch | Spring | 5.0 |
| — | Diploma project (start) | — | — | ? |
| 30.7404 | Distributed Systems | Deutsch | Fall, Spring | 5.0 |
| FBW14442 | Distribution & reverse logistics | Deutsch | Fall, Spring | 5.0 |
| FBW121 | Distribution and Reverse Logistics | Deutsch | Spring | 5.0 |
| MK.1051 | Drive Technology | Deutsch | Fall, Spring | 5.0 |
| MK.4364 | Eco-Design | English | Spring | 5.0 |
| MK.4425 | Economics and Systainability in Enterprises | Deutsch | Fall, Spring | 5.0 |
| 201450 | Economy and law for construction and operation phases | Deutsch | Spring | 5.0 |
| MK.1250 | Economy for Engineers | Deutsch | Fall, Spring | 5.0 |
| 30.2668 | Effective Agile Software Projects in Industrial Practice [ELECTIVE] | Deutsch | Spring | 5.0 |
| FBW-142 | Elective 1: International logistics project | — | Spring | 5.0 |
| FBW142 | Elective 1: Operations Research Lab | Deutsch | Spring | 5.0 |

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|---|---|---|---|---|
| FBW-152 | Elective 2: Logistics solutions in the courier and parcel industry | Deutsch | Fall | 5.0 |
| FBW152 | Elective 2: material flow technique | Deutsch | Fall | 5.0 |
| 204050 | Elective non-technical complementary studies | English, Deutsch | Fall, Spring | 5.0 |
| 30.XXXX | Electives | English, Deutsch | Fall, Spring | 5.0 |
| MK. 1630 | Electrical Engineering | Deutsch | Fall, Spring | 5.0 |
| MK.1610a | Electrical Engineering Laboratory | — | Fall, Spring | 0.0 |
| MM05 | Embedded Architectures and Applications | English | Spring | 5.0 |
| MM07 | Embedded Signal Processing Systems | English | Spring | 5.0 |
| 30.2682 | Embedded Systems | Deutsch | Fall, Spring | 5.0 |
| 185233 | Energy reduction in building constructions | Deutsch | Spring | 5.0 |
| 202100 | Energy-efficient and sustainable construction | Deutsch | Spring | 5.0 |
| P 901044 | Energy-Efficient Building I | Deutsch | Fall | 2.0 |
| 183292 | Energy-efficient buildings verification methodology | Deutsch | Fall | 5.0 |
| 186505 | Engineering approaches for sustainable developments | English, Deutsch | Fall | 5.0 |
| 805 | Engineering approaches for sustainable developments | English, Deutsch | Fall | 5.0 |
| PRFD 2111 | Engineering Economics and Management | — | — | ? |
| 183212 | Engineering Geology and Rock Mechanics | English, Deutsch | Fall | 5.0 |
| 181210 | Engineering Mechanics 2 | Deutsch | Spring | 5.0 |
| 203270 | Engineering Practical Course Circular Economy | Deutsch | — | 5.0 |
| — | Engineering project | Deutsch | Spring | 5.0 |
| — | Engineering sciences 1 | Deutsch | Fall | 5.0 |
| — | Engineering sciences 2 | Deutsch | Spring | 5.0 |
| 183535 | English for Civil Engineers | English | Fall, Spring | 2.5 |
| 202200 | English for Environmental Engineering | English | Spring | 2.5 |
| 30.2658 | Enterprise Information Systems [ELECTIVE] | English | Spring | 5.0 |
| 201600 | Environmental Law | Deutsch | Spring | 2.5 |
| 185421 | Environmental Analytics | English, Deutsch | Fall | 5.0 |

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|---|---|---|---|---|
| 201650 | Environmental and Spatial Planning | Deutsch | Fall | 5.0 |
| 203060 | Environmental Chemistry | Deutsch | Spring | 5.0 |
| 185415 | Environmental Engineering | Deutsch | Fall | 5.0 |
| 725 | Environmental Geotechnical Engineering | Deutsch | Spring | 5.0 |
| 183625 | Environmental Law | Deutsch | Spring | 2.5 |
| 720 | Environmental Law 2 | Deutsch | Spring | 5.0 |
| 203240 | Environmental Management | Deutsch | Fall | 5.0 |
| 203120 | Environmental Planning in Practice | Deutsch | Spring | 5.0 |
| 201400 | Environmental Process Technologies | Deutsch | Spring | 5.0 |
| 183525 | Environmental Seminar | Deutsch | Fall | 2.5 |
| 185315 | Equipment of Traffic Tunnels | Deutsch | Fall | 2.5 |
| FBW156 | ERP/SAP Seminar | Deutsch | Fall | 5.0 |
| MGwp03 | Ethics, Engineering, and Ecology | English | Spring | 2.5 |
| FBW14421 | European Economics and Politics | English | Fall, Spring | 5.0 |
| MEM_460 | F | — | — | ? |
| MK.1780 | Failure Analysis | English | Spring | 5.0 |
| MC06 | Fields, waves and antennas | English | Spring | 5.0 |
| FBW113 | Financial Accounting | Deutsch | Fall | 5.0 |
| FBW11300 | Financial Accounting (external) | Deutsch | Fall, Spring | 5.0 |
| FBW14471 | Financial accounting II | Deutsch | Fall, Spring | 5.0 |
| FBW14412 | Financial Management | English, Deutsch | Fall, Spring | 5.0 |
| 185251 | Finite Element Method | Deutsch | Spring | 5.0 |
| MK.3820 | Fluid mechanics (lecture and laboratory/tutorial) | Deutsch | Fall, Spring | 5.0 |
| 183135 | Formwork and Shuttering | Deutsch | Spring | 5.0 |
| 183217 | Foundations and deep excavations | Deutsch | Spring | 5.0 |
| 184210 | Foundations for high rise buildings | Deutsch | Fall | 7.5 |
| MM04 | FPGA-based System on Chip Design | English | Fall | 5.0 |
| MK.1790 | Fracture Mechanics | English | Spring | 5.0 |
| P 902021 | Freely selectable lectures and seminars | Deutsch | Spring | 5.0 |
| MK.4030 | Fundamentals of Acoustics | Deutsch | — | 5.0 |

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|---|---|---|---|---|
| MK.4130a | Fundamentals of Elastostatics | — | Fall, Spring | 5.0 |
| 201800 | Fundamentals of Electrical Engineering | Deutsch | Fall | 5.0 |
| 30.2536 | Genetic Algorithms [ELECTIVE] | English | Spring | 5.0 |
| 183343 | Geodesy 1 | Deutsch | Spring | 5.0 |
| 183345 | Geodesy 2 | Deutsch | Fall | 5.0 |
| 182410 | Geoinformationsystems in Water Resources Management | English, Deutsch | Fall, Spring | 5.0 |
| 201900 | Geotechnical Engineering | Deutsch | Fall | 5.0 |
| 183507 | Geotechnical Field Trip | Deutsch | — | 2.5 |
| 183211 | Geotechnical Laboratory and Field Techniques | Deutsch | Spring | 5.0 |
| 181245 | Geotechniques 1 | Deutsch | Fall | 5.0 |
| 183205 | Geotechniques 2 | Deutsch | Spring | 5.0 |
| 902212011 | German as a foreign language A1.1: Intensive course for international students | English, Deutsch | Fall, Spring | 4.0 |
| 90212012 | German as a foreign language A1.2: Extensive course for international students | English, Deutsch | Fall, Spring | 4.0 |
| 183335 | GIS at traffic system | Deutsch | Fall, Spring | 5.0 |
| 185215 | Glass Construction | Deutsch | Spring | 5.0 |
| P 901031 | Graphical representation - Interior Space and Atmosphere | Deutsch | Fall | 2.0 |
| 185418 | Groundwater Hydraulics and Geothermal Engineering | Deutsch | Spring | 5.0 |
| FBW14472 | Group accounting | Deutsch | Fall, Spring | 5.0 |
| — | High frequency and microwave engineering | Deutsch | Spring | 5.0 |
| 30.2664 | High Performance I/O [ELECTIVE] | English | Fall | 5.0 |
| P 5023 | History of urban planning | Deutsch | Spring | 2.5 |
| 30.7328 | Human Computer Interaction | Deutsch | Fall, Spring | 5.0 |
| FBW15300 | Human Resource Management | Deutsch | Fall, Spring | 5.0 |
| FBW143 | Human Resource Management | Deutsch | Spring | 5.0 |
| MK.2150 | Hybrid construction | Deutsch | Fall, Spring | 5.0 |
| 203300 | Hydraulic Engineering Laboratory | English, Deutsch | Fall | 5.0 |
| 203260 | Hydraulic Engineering 1 | Deutsch | Spring | 5.0 |

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|---|---|---|---|---|
| 203280 | Hydraulic Engineering 2 | English, Deutsch | Spring | 5.0 |
| 183405 | Hydraulic Engineering 1 | Deutsch | Spring | 5.0 |
| 183410 | Hydraulic Engineering 2 | English, Deutsch | Fall | 5.0 |
| 183435 | Hydraulic Engineering Laboratory | English, Deutsch | Fall | 5.0 |
| 203340 | Hydraulical Calculation of Treatment Plants, Sewer Overflows and Retention Basins | Deutsch | Spring | 5.0 |
| 201150 | Hydraulics | Deutsch | Fall | 5.0 |
| 181405 | Hydraulics 1 | Deutsch | Spring | 5.0 |
| 183430 | Hydraulics of Sewerage Structures and Wastewater Treatment Plants | Deutsch | Spring | 5.0 |
| 750 | Hydrological Modelling | Deutsch | — | 5.0 |
| 184425 | Hydrological and Hydraulic Catchment Modelling Project | Deutsch | Fall | 7.5 |
| 185436 | Hydrological Modelling | Deutsch | Fall | 5.0 |
| 183560 | Ideas and Concepts for realising the Sustainable Development Goals | Deutsch | Spring | 5.0 |
| MCwp08 | Image and video processing | English | — | 2.5 |
| 201750 | Immission Control | Deutsch | Fall | 5.0 |
| MC07 | Information networks | English | Spring | 5.0 |
| 30.7514 | Information Technology and Society | English, Deutsch | Fall, Spring | 2.5 |
| IPMI_47 | Integrated management of wastes | — | — | ? |
| 185142 | Integrated Project Delivery (IPD) | Deutsch | Fall, Spring | 5.0 |
| FBWXX | intensive German language course | — | Fall, Spring | 4.0 |
| FBWX | intercultural seminar | — | Fall, Spring | 2.5 |
| MK.3000 | Interdisciplinary Challenges of Social Developments | English | Fall, Spring | 2.5 |
| 902050 | Interdisciplinary compulsory elective module I + II | Deutsch | Fall, Spring | 2.5 |
| 185188 | International Construction | Deutsch | Spring | 5.0 |
| 635 | International Environmental Engineering Project (Course not offered any more) | English | — | 7.5 |
| 183506 | International Geotechnical Project | Deutsch | Fall, Spring | 2.5 |

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|---|---|---|---|---|
| FBW14422 | International Management | English | Fall, Spring | 5.0 |
| FBW14451 | International Marketing | Deutsch | Fall, Spring | 5.0 |
| 185324 | International practical studies in traffic and transport 1 | English, Deutsch | Fall, Spring | 2.5 |
| 185327 | International practical studies in traffic and transport 2 | English, Deutsch | Fall | 2.5 |
| 203230 | International Project Management | English | Fall, Spring | 5.0 |
| 183123 | International Project Management | English | Fall | 5.0 |
| 205050 | Internship | English, Deutsch | Fall, Spring | 15.0 |
| FBW16100 | Internship (practical modul) | Deutsch | Fall, Spring | 12.0 |
| M0363 | Internship Mechanical Engineering | — | — | 15.0 |
| M03 | Internship, including German class and preliminary seminar | — | Fall, Spring | 30.0 |
| FBW115 | Introduction Logistics | Deutsch | Fall | 5.0 |
| 30.2662 | Introduction to Artificial Intelligence | English, Deutsch | — | 5.0 |
| FBW11100 | Introduction to Business Administration | Deutsch | Fall, Spring | 5.0 |
| FBW111 | Introduction to Business Administration | Deutsch | Fall | 5.0 |
| 30.7114 | Introduction to Business Informatics | Deutsch | Fall, Spring | 5.0 |
| FBW11400 | Introduction to Business Law | Deutsch | Fall, Spring | 5.0 |
| MK.3832 | Introduction to CFD of incompressible media | English | Fall | 5.0 |
| 183555 | Introduction to engineering approaches for sustainable developments | Deutsch | Spring | 5.0 |
| FBW114 | Introduction to Law | Deutsch | Fall | 5.0 |
| 30.2588 | Introduction to Machine Learning [ELECTIVE] | English | Spring | 5.0 |
| 30.2542 | Introduction to mobile communication [ELECTIVE] | Deutsch | Fall | 5.0 |
| 201100 | Introduction to Structural Mechanics | Deutsch | Fall | 5.0 |
| FBW14432 | Introduction to System Development | Deutsch | Fall, Spring | 5.0 |
| 181250 | Introduction to Transport Planning and Traffic Engineering | Deutsch | Fall, Spring | 5.0 |
| FBW13400 | Investement and Finance | Deutsch | Fall, Spring | 5.0 |
| FBW122 | Investment and Finance | Deutsch | Spring | 5.0 |

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|---|---|---|---|---|
| FBW14413 | Investment and Group Controlling | Deutsch | Fall, Spring | 5.0 |
| MCwp06 | IoT and cloud networking | English | — | 2.5 |
| 182110 | IT applications in construction management | Deutsch | Fall, Spring | 5.0 |
| 1821110 | IT applications in construction management 1 | Deutsch | Fall, Spring | 2.5 |
| 1821120 | IT applications in construction management 2 | Deutsch | Fall, Spring | 2.5 |
| FBW14431 | IT Management | Deutsch | Fall, Spring | 5.0 |
| 30.7126 | IT Security | Deutsch | Fall, Spring | 5.0 |
| 84.7118 | IT-Compliance [ELECTIVE] | Deutsch | Spring | 5.0 |
| 30.2636 | Java Enterprise Database-Driven Application Development [ELECTIVE] | Deutsch | Fall | 5.0 |
| 201300 | Job Profile | Deutsch | Fall | 5.0 |
| P 5044 | Job Profile of an Architect | Deutsch | Fall | 2.5 |
| MK.4210 | Kinematics and Kinetics | — | Fall, Spring | 5.0 |
| 202450 | Life Cycle Assessment | Deutsch | Spring | 5.0 |
| FBW153 | Logistics Laboratory | Deutsch | Fall | 5.0 |
| MK.2680 | Machine Dynamics | Deutsch | Fall, Spring | 5.0 |
| MK.2710 | Machine Elements and Design 1 | Deutsch | Fall, Spring | 5.0 |
| MK.2770 | Machine Elements and Design 2 | Deutsch | Fall, Spring | 10.0 |
| FBME26 | Machine elements Part II | English | — | 5.0 |
| FBW123 | Management Accounting | Deutsch | Spring | 5.0 |
| FBW11200 | Management and Organisation | Deutsch | Fall, Spring | 5.0 |
| FBW112 | Management and Organisation | Deutsch | Fall | 5.0 |
| FBW144 | Management of Logistics Projects | Deutsch | Spring | 5.0 |
| MK. 1875 | Manufacturing Processes | English, Deutsch | Fall, Spring | 5.0 |
| FBW131 | Marketing | Deutsch | Fall | 5.0 |
| FBW12400 | Marketing (Basics) | Deutsch | Fall, Spring | 5.0 |
| FBW14452 | Marketing Management | Deutsch | Fall, Spring | 5.0 |
| 185601 | Master Thesis | English, Deutsch | — | 30.0 |
| 905 | Master Thesis (old course) | English, Deutsch | — | 30.0 |
| M04 | Master thesis and oral defense | — | Fall, Spring | 30.0 |
| M0004 | Master Thesis Module | — | — | 25.0 |

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|---|---|---|---|---|
| MK.4710 | Materials Engineering 1 | English, Deutsch | Fall, Spring | 2.5 |
| MK.4730 | Materials Engineering 2 | English, Deutsch | Fall, Spring | 2.5 |
| MK.4760 | Materials Engineering Laboratory | — | Fall, Spring | 2.5 |
| 201050 | Mathematics 1 | Deutsch | Fall | 5.0 |
| 201350 | Mathematics 2 | Deutsch | Spring | 5.0 |
| 30.7120 | Mathematics 1 | Deutsch | Fall, Spring | 7.5 |
| MK.2890a | Mathematics 1 for General mechanical engineering (AM) | Deutsch | Fall, Spring | 10.0 |
| 30.7124 | Mathematics 2 | Deutsch | Fall, Spring | 7.5 |
| MK.2910 | Mathematics 2 General Mechanical Engineering | Deutsch | Fall, Spring | 5.0 |
| — | Measurement techniques | Deutsch | Fall | 5.0 |
| — | Microprocessors | — | — | 5.0 |
| MC03 | Microwave components and systems | English | Fall | 5.0 |
| MCwp04 | Mobile communications | Deutsch | — | 5.0 |
| — | Modeling the Spread of Pollutants | — | — | ? |
| 185112 | Moderation Techniques in Construction Management | Deutsch | Fall | 2.5 |
| — | Modulation | Deutsch | Fall | 5.0 |
| MK.3030 | Multi-body Systems | Deutsch | Fall, Spring | 5.0 |
| — | Multimedia and user interfaces | Deutsch | Fall | 5.0 |
| — | Network communications | Deutsch | Fall | ? |
| MCwp03 | Network security | — | — | 2.5 |
| — | Network security and management | Deutsch | Spring | 5.0 |
| 84.7606 | Network Security [ELECTIVE] | Deutsch | Spring | 5.0 |
| FBW15100 | Network thinking in companies | Deutsch | Fall, Spring | 5.0 |
| P 901032 | New Media I | Deutsch | Fall | 2.0 |
| P 902032 | New Media II | Deutsch | Spring | 2.0 |
| 183503 | New York Excursion | Deutsch | Spring | 2.5 |
| 184250 | Nonlinear structural analysis | Deutsch | Spring | 7.5 |
| MK.3230 | Numerical Mathematics | Deutsch | — | 5.0 |
| MK.2100 | Numerical Methods in Engineering | Deutsch | — | 5.0 |

| CODE | COURSE (LINK TO ITS DESCRIPTION) | TEACHING LANGUAGES | SEASONS | ECTS |
|---|---|---|---|---|
| 183290 | Numerical Methods in Geotechnics | Deutsch | Fall, Spring | 5.0 |
| 30.7206 | Object-Oriented Analysis and Design | Deutsch | Fall, Spring | 5.0 |
| 30.2366 | Object-Oriented and Object-Relational Databases [ELECTIVE] | Deutsch | Spring | 5.0 |
| 30.7220 | Operating systems | Deutsch | Fall, Spring | 5.0 |
| FBW14411 | Operational controlling | Deutsch | Fall, Spring | 5.0 |
| MCwp05 | Optical communications | English | — | 2.5 |
| — | Optical networks | Deutsch | Fall | 5.0 |
| 185106 | OR and Construction Management | Deutsch | Fall, Spring | 5.0 |
| FBW14462 | Organization and management of non-profit organization | Deutsch | Fall, Spring | 5.0 |
| P 901021 | Orientation lecture series regarding scinetific work methods for selection | Deutsch | Fall | 5.0 |
| 183296 | Passive House Designer | Deutsch | Fall | 5.0 |
| 30.2608 | Penetration Testing [ELECTIVE] | Deutsch | Spring | 5.0 |
| 201250 | Physics and Fundamentals of Process Technology | Deutsch | Fall | 5.0 |
| MK.3270 | Physics and measurement technology | — | Fall, Spring | 5.0 |
| 202500 | Plant Engineering and Plant Operation | Deutsch | Spring | 5.0 |
| FBW161 | practical modul (internship) | — | Spring | 5.0 |
| 183270 | Prefabricated RC structures | Deutsch | Fall | 5.0 |
| 185254 | Prefabrication in Construction | Deutsch | Fall | 5.0 |
| ICS_20.00 | Presentation of Dissertation | — | — | 10.0 |
| 183245 | Prestressed Concrete 1 | Deutsch | Spring | 5.0 |
| 184215 | Prestressed Concrete 2 | Deutsch | Fall | 7.5 |
| 183260 | Preventive Fire Protection 1 | Deutsch | Fall | 5.0 |
| 183265 | Preventive Fire Protection 2 | Deutsch | Spring | 5.0 |
| FBW14441 | Production & procurement logistics | Deutsch | Fall, Spring | 5.0 |
| FBW145 | Production and Procurement Logistics | Deutsch | Spring | 5.0 |
| MK.3370 | Production Engineering | Deutsch | Fall, Spring | 5.0 |
| MK.1875 | Production process | Deutsch | Fall, Spring | 5.0 |
| MK.4362 | Production Systems | Deutsch | Fall, Spring | 5.0 |

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|---|---|---|---|---|
| FBW12100 | Professional presentation & communication & self-management | Deutsch | Fall, Spring | 5.0 |
| 30.7122 | Programming 1 | Deutsch | Fall, Spring | 7.5 |
| 30.7128 | Programming 2 | Deutsch | Fall, Spring | 7.5 |
| 203220 | Project Management | Deutsch | Fall, Spring | 5.0 |
| 640 | Project Hydraulic Structures | Deutsch | Fall | 7.5 |
| FBW13100 | Project Management | Deutsch | Fall, Spring | 5.0 |
| 645 | Project urban sewer systems | Deutsch | Fall | 7.5 |
| AVRD-P4 | Project 4: Expand Realities | — | Spring | 17.5 |
| 610 | Project Circular Economy and Waste Treatment | Deutsch | Spring | 7.5 |
| 184420 | Project Circular Economy/Waste Treatment | Deutsch | Spring | 7.5 |
| 184135 | Project Construction Time Delay Obstruction - Disruption Management | Deutsch | Spring | 7.5 |
| 183790 | Project Dual 1 | Deutsch | Fall, Spring | 5.0 |
| 183792 | Project Dual 2 | English, Deutsch | Fall, Spring | 5.0 |
| 202350 | Project Environmental and Spatial Planning | Deutsch | Fall | 5.0 |
| 625 | Project Environmental Geotechnical Engineering | Deutsch | Spring | 7.5 |
| 183522 | Project experimental structural engineering | Deutsch | Fall | 2.5 |
| 184415 | Project Hydraulic Structures | Deutsch | Fall | 7.5 |
| 650 | Project Hydrological and Hydraulic Catchment Modelling | Deutsch | Fall | 7.5 |
| 184140 | Project Lean Construction Management | Deutsch | Fall | 7.5 |
| 660 | Project Life Cycle Assessment | Deutsch | Fall | 7.5 |
| 30.7506 | Project Management | Deutsch | Fall, Spring | 2.5 |
| 183125 | Project Management and Project | Deutsch | Fall, Spring | 5.0 |
| P 903046 | Project Management Architecture | Deutsch | Spring | 2.5 |
| FBW14200 | Project Modul | English, Deutsch | Fall, Spring | 5.0 |
| 615 | Project Safety Compliant Plant Engineering and Operation | Deutsch | — | 7.5 |
| 30.7504 | Project System Development | English, Deutsch | Fall, Spring | 7.5 |
| 184325 | Project urban and regional planning | Deutsch | — | 7.5 |

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|---|---|---|---|---|
| 630 | Project Urban and Spatial Planning | Deutsch | — | 7.5 |
| P 5011 | Project V: Building and city | English, Deutsch | Fall | 10.0 |
| 605 | Project Waste Water Treatment | Deutsch | Spring | 7.5 |
| 184405 | Project Wastewater Treatment | Deutsch | Spring | 7.5 |
| 780 | Public Mobility Services in Practice | Deutsch | Spring | 5.0 |
| 203400 | Public Transport 1 | Deutsch | Fall | 5.0 |
| 655 | Public Transport 2 | Deutsch | Fall | 7.5 |
| 183610 | Public Building Laws 1 | Deutsch | Fall | 2.5 |
| 184120 | Public Building Laws 2 | Deutsch | Spring | 7.5 |
| 185340 | Public mobility services in practice | Deutsch | Spring | 5.0 |
| 185136 | Public procurement law | Deutsch | Fall | 5.0 |
| 183315 | Public Transport 1 | Deutsch | Fall | 5.0 |
| 184315 | Public Transport 2 | Deutsch | Fall | 7.5 |
| FBW154 | QM & Lean Management | English | Fall | 5.0 |
| MK.3475 | Quality Assurance | Deutsch | — | 5.0 |
| FBW135 | Quantitative Methods in Logistics | Deutsch | Fall | 5.0 |
| FBW14443 | Quantitative methods of logistics | Deutsch | Fall, Spring | 5.0 |
| 185321 | Railway Engineering | Deutsch | Fall, Spring | 5.0 |
| 184130 | Real Estate Development | Deutsch | Fall | 7.5 |
| 183155 | Real Estate Economics 1 | Deutsch | Fall | 5.0 |
| 184125 | Real Estate Economics 2 | Deutsch | Spring | 7.5 |
| 185409 | Recycling Management / Waste Engineering 2 | Deutsch | Spring | 5.0 |
| 203160 | Renewable Energy Management | Deutsch | Fall | 5.0 |
| 183255 | Repair of Concrete Structures | Deutsch | Fall | 5.0 |
| 184005 | Research Project | English, Deutsch | Fall, Spring | 7.5 |
| MK.1000 | Research Project(s) | English | Fall, Spring | 5.0 |
| 185412 | River Ecology / Sediment Transport | Deutsch | Spring | 5.0 |
| 760 | River Ecology/Sediment Transport | Deutsch | Spring | 5.0 |
| 185306 | Road Construction | Deutsch | Spring | 5.0 |
| 183360 | Road design (CAD) | Deutsch | Fall, Spring | 5.0 |

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|---|---|---|---|---|
| 185312 | Road operation and maintenance | Deutsch | Fall, Spring | 2.5 |
| 715 | Safety Compliant Plant Engineering and Operation | Deutsch | — | 5.0 |
| MMwp02 | Safety in Embedded Control Systems | English | Spring | 2.5 |
| FBW14453 | Sales Management | Deutsch | Fall, Spring | 5.0 |
| 690 | Scientific Research Project | English, Deutsch | — | 7.5 |
| 30.7418 | Scientific work | Deutsch | Fall, Spring | 5.0 |
| 183540 | Scientific working techniques | Deutsch | Spring | 2.5 |
| FBW162 | scientific writing seminar | Deutsch | Spring | 5.0 |
| 185118 | Selected topics in Construction Economics | Deutsch | Spring | 2.5 |
| 30.2646 | Semantic Knowledge Management in Organisations [ELECTIVE] | Deutsch | Spring | 5.0 |
| 765 | Seminar in Traffic | Deutsch | Spring | 5.0 |
| 203140 | Seminar Environmental Technologies | English, Deutsch | Spring | 5.0 |
| 185309 | Seminar in traffic | Deutsch | Fall, Spring | 5.0 |
| 183465 | Seminar on Environmental Technology | English, Deutsch | Spring | 5.0 |
| FBW15200 | Seminar Scientific writing | English, Deutsch | Fall, Spring | 5.0 |
| 183460 | Sewage Rehabilitation | Deutsch | Fall | 5.0 |
| 203360 | Sewer System Rehabilitation | Deutsch | Fall | 5.0 |
| 30.2260 | Simulation of robotic systems [ELECTIVE] | English | Spring | 5.0 |
| MCwp07 | Smart home | English | — | 2.5 |
| 30.2622 | Social Engineering [ELECTIVE] | Deutsch | Spring | 5.0 |
| 83.7418 | Software Development for Embedded Systems [ELECTIVE] | Deutsch | Fall | 5.0 |
| 30.2600 | Software Development for HMI Systems [ELECTIVE] | Deutsch | Spring | 5.0 |
| 30.7318 | Software Engineering | Deutsch | Fall, Spring | 5.0 |
| 201550 | Soil Science / Geology | Deutsch | Spring | 5.0 |
| 181240 | Solid Constructions 1 | Deutsch | Fall | 5.0 |
| 183220 | Solid Constructions 2 | Deutsch | Spring | 5.0 |
| 183225 | Solid Constructions 3 | Deutsch | Fall | 5.0 |

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|---|---|---|---|---|
| 184220 | Special Problems in massive constructions | Deutsch | Fall, Spring | 7.5 |
| 184225 | Special Problems in Steel Constructions | Deutsch | Fall | 7.5 |
| 184110 | Special Subjects in construction operations | Deutsch | Spring | 7.5 |
| 181235 | Statics 1 | Deutsch | Fall | 5.0 |
| 183240 | Statics 2 | Deutsch | Fall | 5.0 |
| 185209 | Statics 3 | Deutsch | Fall | 5.0 |
| 183230 | Steel Construction 1 | Deutsch | Fall | 5.0 |
| 185206 | Steel Construction 2 | Deutsch | Spring | 5.0 |
| 184245 | Steel Structures Project | Deutsch | Spring | 7.5 |
| 30.2654 | Stochastic models and simulation [ELECTIVE] | Deutsch | Spring | 5.0 |
| FBW14461 | Strategy and management of public value creation | Deutsch | Fall, Spring | 5.0 |
| MK.1200 | Structural Durability | Deutsch | Spring | 5.0 |
| 184205 | Structural Dynamics | Deutsch | Fall | 7.5 |
| 183365 | Structural Maintenance of Roads and Road Construction Laboratory | Deutsch | Spring | 5.0 |
| 183520 | Student Project | Deutsch | Fall | 2.5 |
| 203100 | Study Trip Ruhr | Deutsch | Spring | 5.0 |
| 9.02.00 | Studying in Germany... and liking it | English | Fall, Spring | 2.5 |
| FBWXXX | studying in Germany...and liking it | English | Fall, Spring | 2.5 |
| P 901041 | Sustainable Construction | Deutsch | Fall | 2.0 |
| P 5041 | Sustainable Construction II | Deutsch | Fall | 2.5 |
| FBW14463 | Sustainable development - local, regional and global challenges | Deutsch | Fall, Spring | 5.0 |
| 203080 | Sustainable Urban Planning | Deutsch | Spring | 5.0 |
| MM06 | System Driven Hardware Design | English | Spring | 5.0 |
| M02 | Team Project - Embedded and Microelectronics / Telecommunications | English | Spring | 5.0 |
| 90331209 | Technical English for Environmental Engineering | English | Spring | 2.5 |
| MK.3940 | Technical English for Mechanical Engineering | English | Fall, Spring | 2.5 |
| MK.4261 | Technical English for Mechatronics | English | — | 2.5 |

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|---|---|---|---|---|
| M01 | Technical Management | English | Fall | 5.0 |
| 30.7108 | Technical Principles of Computer Science | Deutsch | Fall, Spring | 5.0 |
| 90261031 | Technical Writing | Deutsch | — | 5.0 |
| P 5043 | Tendering, Contracting and Invoicing | Deutsch | Fall | 2.5 |
| 30.7332 | Theoretical Computer Science | Deutsch | Fall, Spring | 5.0 |
| MK.4310 | Thermodynamics 1 | — | Fall, Spring | 5.0 |
| MK.4330 | Thermodynamics 2 | Deutsch | Fall, Spring | 2.5 |
| FBW163 | Thesis modul | — | Spring | 30.0 |
| 183235 | Timber Construction 1 | Deutsch | Spring | 5.0 |
| 185224 | Timber Construction 2 | Deutsch | Spring | 5.0 |
| 203420 | Traffic Engineering 1 | Deutsch | Spring | 5.0 |
| 202150 | Traffic and Transport | Deutsch | Spring | 5.0 |
| 184320 | Traffic Engineering 2 | Deutsch | Fall | 7.5 |
| 183320 | Traffic Engineering 1 | Deutsch | Spring | 5.0 |
| 181310 | Traffic Facilities - Inner city | Deutsch | Fall | 5.0 |
| 183305 | Traffic Facilities - Outer City | Deutsch | Spring | 5.0 |
| 183615 | Traffic Law | Deutsch | Fall | 2.5 |
| 183310 | Traffic Route Engineering | Deutsch | Fall | 5.0 |
| 183340 | Transport and Environment | Deutsch | Spring | 5.0 |
| FBW155 | Transportation Law | Deutsch | Fall | 5.0 |
| 183216 | Tunneling | Deutsch | Spring | 5.0 |
| 184235 | Tunnelling Project | Deutsch | Fall, Spring | 7.5 |
| 183130 | Turn Key Projects 1 | Deutsch | Fall | 5.0 |
| 185103 | Turn Key Projects 2 | Deutsch | Spring | 5.0 |
| 183140 | Tutorials in Construction Management | Deutsch | Fall | 5.0 |
| 30.2554 | Unix for Software Developers [ELECTIVE] | English | Fall | 5.0 |
| 745 | Urban Water Systems Modelling | Deutsch | Spring | 5.0 |
| 183355 | Urban and regional planning | Deutsch | Spring | 5.0 |
| 184410 | Urban Drainage Project | Deutsch | Spring | 7.5 |
| P 5024 | Urban planning and design, public space design and landscape | Deutsch | Fall | 2.5 |

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|---|---|---|---|---|
| 185406 | Urban Water Systems Modelling | Deutsch | Spring | 5.0 |
| MK.4500 | Virtual Product Design | Deutsch | Fall, Spring | 5.0 |
| 30.7416 | Visual Computing | Deutsch | Fall, Spring | 5.0 |
| MM02 | VLSI Design and Testing | English | Fall | 5.0 |
| 202400 | Waste Water Treatment | Deutsch | Spring | 5.0 |
| 705 | Waste Water Treatment 2 | Deutsch | Spring | 5.0 |
| 203480 | Wastewater Reuse | English | Fall | 5.0 |
| 183470 | Wastewater Reuse | English | Fall | 5.0 |
| 183420 | Wastewater Treatment 1 | Deutsch | Spring | 5.0 |
| 185424 | Wastewater Treatment 2 | Deutsch | Spring | 5.0 |
| 203020 | Water Biology | English, Deutsch | Spring | 5.0 |
| 203040 | Water Chemistry | English, Deutsch | Fall | 5.0 |
| 203380 | Water Resources Management | Deutsch | Spring | 5.0 |
| 202250 | Water Treatment | Deutsch | Fall | 5.0 |
| 183445 | Water Chemistry and Biology | English, Deutsch | Spring | 5.0 |
| 183620 | Water Law | Deutsch | Spring | 2.5 |
| 203320 | Water Management in Urban Areas 2 | Deutsch | Fall | 5.0 |
| 201700 | Water Management in Urban Areas 1 | Deutsch | Fall | 5.0 |
| 181410 | Water Management in Urban Areas 1 | Deutsch | Fall | 5.0 |
| 183415 | Water Management in Urban Areas 2 | Deutsch | Fall | 5.0 |
| 183455 | Water Resources Management | Deutsch | Spring | 5.0 |
| 183450 | Water Treatment | Deutsch | Fall | 5.0 |
| MCwp02 | Wireless systems and technologies | Deutsch | — | 5.0 |
| 203200 | Work safety | Deutsch | Fall | 5.0 |
| | **Total** | | | **2 846.8** |