

Studienplan Bachelor Informatik-Ingenieurwesen (IIWBS)

| Empf. Sem. | Modulname (deutsch) | Modulname (englisch) | Institut | P/WP (1) | GM/OM (2) | Note | Prüfungsform (3) | LP (4) | Name der Lehrveranstaltung(LV) deutsch | Name der Lehrveranstaltung(LV) englisch | Form LV(5) | Sprache (6) | SWS (7) | Sem. LV |
|--|---|--|----------|----------|-----------|------|------------------|--------|---|--|------------|-------------|---------|---------|
| Kernqualifikation Pflichtbereich: 138 LP Wahlpflichtbereich: 0 LP | | | | | | | | | | | | | | |
| 1 | Diskrete Algebraische Strukturen | Discrete Algebraic Structures | E-13 | P | GM | Ja | KI | 6 | | | | | | |
| | | | | | | | | | Diskrete Algebraische Strukturen | Discrete Algebraic Structures | VL | DE | 2 | 1 |
| | | | | | | | | | Diskrete Algebraische Strukturen | Discrete Algebraic Structures | UE | DE | 2 | 1 |
| 1 | Elektrotechnik I: Gleichstromnetzwerke und elektromagnetische Felder | Electrical Engineering I: Direct Current Networks and Electromagnetic Fields | E-7 | P | GM | Ja | KI | 6 | | | | | | |
| | | | | | | | | | Elektrotechnik I: Gleichstromnetzwerke und elektromagnetische Felder | Electrical Engineering I: Direct Current Networks and Electromagnetic Fields | VL | DE | 3 | 1 |
| | | | | | | | | | Elektrotechnik I: Gleichstromnetzwerke und elektromagnetische Felder | Electrical Engineering I: Direct Current Networks and Electromagnetic Fields | UE | DE | 2 | 1 |
| 1 | Mathematik I | Mathematics I | E-10 | P | GM | Ja | KI | 8 | | | | | | |
| | | | | | | | | | Analysis I | Analysis I | VL | DE | 2 | 1 |
| | | | | | | | | | Analysis I | Analysis I | UE | DE | 1 | 1 |
| | | | | | | | | | Analysis I | Analysis I | HÜ | DE | 1 | 1 |
| | | | | | | | | | Lineare Algebra I | Linear Algebra I | VL | DE | 2 | 1 |
| | | | | | | | | | Lineare Algebra I | Linear Algebra I | UE | DE | 1 | 1 |
| | | | | | | | | | Lineare Algebra I | Linear Algebra I | HÜ | DE | 1 | 1 |
| 1 | Prozedurale Programmierung | Procedural Programming | E-19 | P | GM | Ja | KI | 6 | | | | | | |
| | | | | | | | | | Prozedurale Programmierung | Procedural Programming | VL | DE | 1 | 1 |
| | | | | | | | | | Prozedurale Programmierung | Procedural Programming | UE | DE | 1 | 1 |
| | | | | | | | | | Prozedurale Programmierung | Procedural Programming | PR | DE | 2 | 1 |
| 2 | Elektrotechnik II: Wechselstromnetzwerke und grundlegende Bauelemente | Electrical Engineering II: Alternating Current Networks and Basic Devices | E-6 | P | GM | Ja | KI | 6 | | | | | | |
| | | | | | | | | | Elektrotechnik II: Wechselstromnetzwerke und grundlegende Bauelemente | Electrical Engineering II: Alternating Current Networks and Basic Devices | VL | DE | 3 | 2 |

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|------------|---|--|----------|----------|-----------|------|------------------|--------|---|---|------------|-------------|---------|---------|
| | | | | | | | | | Elektrotechnik II: Wechselstromnetzwerke und grundlegende Bauelemente | Electrical Engineering II: Alternating Current Networks and Basic Devices | UE | DE | 2 | 2 |
| 2 | Grundlagen der Betriebswirtschaftslehre | Foundations of Management | W-11 | P | GM | Ja | KI | 6 | Grundlagen der Betriebswirtschaftslehre | Introduction to Management | VL | DE | 4 | 2 |
| | | | | | | | | | Projekt Entrepreneurship | Project Entrepreneurship | POL | DE | 2 | 2 |
| 2 | Logik, Automaten und Formale Sprachen | Logic, Automata and Formal Languages | E-5 | P | GM | Ja | KI | 6 | | | | | | |
| | | | | | | | | | Logik, Automatentheorie und Formale Sprachen | Logic, Automata Theory and Formal Languages | VL | EN | 2 | 2 |
| | | | | | | | | | Logik, Automatentheorie und Formale Sprachen | Logic, Automata Theory and Formal Languages | UE | EN | 2 | 2 |
| 2 | Mathematik II | Mathematics II | E-10 | P | GM | Ja | KI | 8 | | | | | | |
| | | | | | | | | | Analysis II | Analysis II | VL | DE | 2 | 2 |
| | | | | | | | | | Analysis II | Analysis II | UE | DE | 1 | 2 |
| | | | | | | | | | Analysis II | Analysis II | HÜ | DE | 1 | 2 |
| | | | | | | | | | Lineare Algebra II | Linear Algebra II | VL | DE | 2 | 2 |
| | | | | | | | | | Lineare Algebra II | Linear Algebra II | UE | DE | 1 | 2 |
| | | | | | | | | | Lineare Algebra II | Linear Algebra II | HÜ | DE | 1 | 2 |
| 2 | Objektorientierte Programmierung, Algorithmen und Datenstrukturen | Objectoriented Programming, Algorithms and Data Structures | E-2 | P | GM | Ja | KI | 6 | | | | | | |
| | | | | | | | | | Objektorientierte Programmierung, Algorithmen und Datenstrukturen | Objectoriented Programming, Algorithms and Data Structures | VL | DE | 4 | 2 |
| | | | | | | | | | Objektorientierte Programmierung, Algorithmen und Datenstrukturen | Objectoriented Programming, Algorithms and Data Structures | UE | DE | 1 | 2 |
| 3 | Mathematik III | Mathematics III | 0-UNIH | P | GM | Ja | KI | 8 | | | | | | |
| | | | | | | | | | Analysis III | Analysis III | VL | DE | 2 | 3 |
| | | | | | | | | | Analysis III | Analysis III | UE | DE | 1 | 3 |
| | | | | | | | | | Analysis III | Analysis III | HÜ | DE | 1 | 3 |
| | | | | | | | | | Differentialgleichungen 1 (Gewöhnliche Differentialgleichungen) | Differential Equations 1 (Ordinary Differential Equations) | VL | DE | 2 | 3 |
| | | | | | | | | | Differentialgleichungen 1 (Gewöhnliche Differentialgleichungen) | Differential Equations 1 (Ordinary Differential Equations) | UE | DE | 1 | 3 |
| | | | | | | | | | Differentialgleichungen 1 (Gewöhnliche Differentialgleichungen) | Differential Equations 1 (Ordinary Differential Equations) | HÜ | DE | 1 | 3 |
| 3 | Numerische Mathematik I | Numerical Mathematics I | E-10 | P | GM | Ja | KI | 6 | | | | | | |
| | | | | | | | | | Numerische Mathematik I | Numerical Mathematics I | VL | DE | 2 | 3 |

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|------------|--------------------------------------|---|----------|----------|-----------|------|------------------|--------|---|--|------------|-------------|---------|---------|
| | | | | | | | | | Numerische Mathematik I | Numerical Mathematics I | UE | DE | 2 | 3 |
| 3 | Rechnernetze und Internet-Sicherheit | Computernetworks and Internet Security | E-4 | P | GM | Ja | KI | 6 | Rechnernetze und Internet-Sicherheit | Computer Networks and Internet Security | VL | EN | 3 | 3 |
| | | | | | | | | | Rechnernetze und Internet-Sicherheit | Computer Networks and Internet Security | UE | EN | 1 | 3 |
| 3 | Technische Informatik | Computer Engineering | E-13 | P | GM | Ja | KI | 6 | Technische Informatik | Computer Engineering | VL | DE | 3 | 3 |
| | | | | | | | | | Technische Informatik | Computer Engineering | UE | DE | 1 | 3 |
| 3 | Technische Mechanik I | Engineering Mechanics I | M-24 | P | GM | Ja | KI | 6 | Technische Mechanik I | Engineering Mechanics I | VL | DE | 3 | 3 |
| | | | | | | | | | Technische Mechanik I | Engineering Mechanics I | UE | DE | 2 | 3 |
| 4 | Eingebettete Systeme | Embedded Systems | E-13 | P | GM | Ja | KI | 6 | Eingebettete Systeme | Embedded Systems | VL | DE/EN | 3 | 4 |
| | | | | | | | | | Eingebettete Systeme | Embedded Systems | UE | DE/EN | 1 | 4 |
| 4 | Graphentheorie und Optimierung | Graph Theory and Optimization | E-10 | P | GM | Ja | KI | 6 | Graphentheorie und Optimierung | Graph Theory and Optimization | VL | DE | 2 | 4 |
| | | | | | | | | | Graphentheorie und Optimierung | Graph Theory and Optimization | UE | DE | 2 | 4 |
| 4 | Signale und Systeme | Signals and Systems | E-8 | P | GM | Ja | KI | 6 | Signale und Systeme | Signals and Systems | VL | DE/EN | 3 | 4 |
| | | | | | | | | | Signale und Systeme | Signals and Systems | HÜ | DE/EN | 1 | 4 |
| 4 | Technische Mechanik II | Engineering Mechanics II | M-24 | P | GM | Ja | KI | 6 | Technische Mechanik II | Engineering Mechanics II | VL | DE | 3 | 4 |
| | | | | | | | | | Technische Mechanik II | Engineering Mechanics II | UE | DE | 2 | 4 |
| 5 | Grundlagen der Regelungstechnik | Introduction to Control Systems | E-14 | P | GM | Ja | KI | 6 | Grundlagen der Regelungstechnik | Introduction to Control Systems | VL | DE | 2 | 5 |
| | | | | | | | | | Grundlagen der Regelungstechnik | Introduction to Control Systems | UE | DE | 2 | 5 |
| 5 | Seminare Informatik und Mathematik | Seminars Computer Science and Mathematics | SD-E | P | GM | Nein | Re | 6 | Seminar Computergestützte Mathematik/Informatik | Seminar Computational Mathematics/Computer Science | SE | DE/EN | 2 | 5 |
| | | | | | | | | | Seminar Informatik/Ingenieurwesen | Seminar Computational Engineering Science | SE | DE/EN | 2 | 5 |
| | | | | | | | | | Seminar Ingenieurmathematik/Informatik | Seminar Engineering Mathematics/Computer Science | SE | DE/EN | 2 | 5 |
| 6 | Stochastik | Stochastics | E-10 | P | GM | Ja | KI | 6 | Stochastik | Stochastics | VL | EN | 2 | 6 |

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|---|---|--|----------|----------|-----------|------|------------------|--------|---|---|------------|-------------|---------|---------|
| | | | | | | | | | Stochastik | Stochastics | UE | EN | 2 | 6 |
| 1-6 | Nichttechnische Ergänzungskurse im Bachelor | Nontechnical Complementary Courses for Bachelors | 0-TUHH | P | OM | | | 6 | Auswahl aus Katalog | | | | | |
| Vertiefung Informatik Pflichtbereich: 0 LP Wahlpflichtbereich: 30 LP | | | | | | | | | | | | | | |
| 1 | Grundlagen der Informatik | Foundations of Computer Science | E-13 | WP | GM | Ja | KI | 6 | | | | | | |
| | | | | | | | | | Grundlagen der Informatik | Foundations of Computer Science | VL | DE/EN | 2 | 1 |
| | | | | | | | | | Grundlagen der Informatik | Foundations of Computer Science | UE | DE/EN | 2 | 1 |
| 4 | Betriebssysteme | Operating Systems | E-17 | WP | GM | Ja | KI | 6 | | | | | | |
| | | | | | | | | | Betriebssysteme | Operating Systems | VL | DE | 2 | 4 |
| | | | | | | | | | Betriebssysteme | Operating Systems | UE | DE | 2 | 4 |
| 4 | Mathematik IV | Mathematics IV | 0-UNIHH | WP | GM | Ja | KI | 6 | | | | | | |
| | | | | | | | | | Differentialgleichungen 2 (Partielle Differentialgleichungen) | Differential Equations 2 (Partial Differential Equations) | VL | DE | 2 | 4 |
| | | | | | | | | | Differentialgleichungen 2 (Partielle Differentialgleichungen) | Differential Equations 2 (Partial Differential Equations) | UE | DE | 1 | 4 |
| | | | | | | | | | Differentialgleichungen 2 (Partielle Differentialgleichungen) | Differential Equations 2 (Partial Differential Equations) | HÜ | DE | 1 | 4 |
| | | | | | | | | | Komplexe Funktionen | Complex Functions | VL | DE | 2 | 4 |
| | | | | | | | | | Komplexe Funktionen | Complex Functions | UE | DE | 1 | 4 |
| | | | | | | | | | Komplexe Funktionen | Complex Functions | HÜ | DE | 1 | 4 |
| 4 | Software-Engineering | Software Engineering | E-16 | WP | GM | Ja | KI | 6 | | | | | | |
| | | | | | | | | | Software-Engineering | Software Engineering | VL | EN | 2 | 4 |
| | | | | | | | | | Software-Engineering | Software Engineering | UE | EN | 2 | 4 |
| 5 | Datenbanken | Databases | E-16 | WP | GM | Ja | KI | 6 | | | | | | |
| | | | | | | | | | Datenbanken | Databases | VL | EN | 4 | 5 |
| | | | | | | | | | Datenbanken | Databases | POL | EN | 1 | 5 |
| 5 | Einführung in die Informationssicherheit | Introduction to Information Security | E-15 | WP | GM | Ja | KI | 6 | | | | | | |
| | | | | | | | | | Einführung in die Informationssicherheit | Introduction to Information Security | VL | EN | 3 | 5 |
| | | | | | | | | | Einführung in die Informationssicherheit | Introduction to Information Security | UE | EN | 2 | 5 |
| 5 | Funktionales Programmieren | Functional Programming | E-16 | WP | GM | Ja | KI | 6 | | | | | | |
| | | | | | | | | | Funktionales Programmieren | Functional Programming | VL | EN | 2 | 5 |
| | | | | | | | | | Funktionales Programmieren | Functional Programming | UE | EN | 2 | 5 |
| | | | | | | | | | Funktionales Programmieren | Functional Programming | HÜ | EN | 2 | 5 |
| 5 | Kombinatorische Strukturen und Algorithmen | Combinatorial Structures and Algorithms | E-10 | WP | GM | Ja | MdIP | 6 | | | | | | |

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|------------|---|--|----------|----------|-----------|------|------------------|--------|---|--|------------|-------------|---------|---------|
| | | | | | | | | | Kombinatorische Strukturen und Algorithmen | Combinatorial Structures and Algorithms | VL | DE/EN | 3 | 5 |
| | | | | | | | | | Kombinatorische Strukturen und Algorithmen | Combinatorial Structures and Algorithms | UE | DE/EN | 1 | 5 |
| 5 | Messtechnik und Messdatenverarbeitung | Measurements: Methods and Data Processing | E-1 | WP | GM | Ja | KI | 6 | | | | | | |
| | | | | | | | | | Elektrotechnisches Versuchspraktikum | EE Experimental Lab | PR | DE | 2 | 5 |
| | | | | | | | | | Messtechnik und Messdatenverarbeitung | Measurements: Methods and Data Processing | VL | DE | 2 | 5 |
| | | | | | | | | | Messtechnik und Messdatenverarbeitung | Measurements: Methods and Data Processing | UE | DE | 1 | 5 |
| 5 | Numerik und Computer Algebra | Numerics and Computer Algebra | E-19 | WP | GM | Ja | MdIP | 6 | | | | | | |
| | | | | | | | | | Numerik und Computer Algebra | Numerical Mathematics and Computer Algebra | VL | DE | 2 | 5 |
| | | | | | | | | | Numerik und Computer Algebra | Numerical Mathematics and Computer Algebra | UE | DE | 1 | 5 |
| | | | | | | | | | Numerik und Computer Algebra | Numerics and Computer Algebra | SE | DE | 2 | 5 |
| 5 | Quantenmechanik für Studierende der Ingenieurwissenschaften | Quantum Mechanics for Engineers | 0-UNIH | WP | GM | Ja | KI | 6 | | | | | | |
| | | | | | | | | | Quantenmechanik für Studierende der Ingenieurwissenschaften | Quantum Mechanics for Engineers | VL | DE | 2 | 5 |
| | | | | | | | | | Quantenmechanik für Studierende der Ingenieurwissenschaften | Quantum Mechanics for Engineers | UE | DE | 2 | 5 |
| 5 | Rechnerarchitektur | Computer Architecture | E-13 | WP | GM | Ja | KI | 6 | | | | | | |
| | | | | | | | | | Rechnerarchitektur | Computer Architecture | VL | DE/EN | 2 | 5 |
| | | | | | | | | | Rechnerarchitektur | Computer Architecture | UE | DE/EN | 1 | 5 |
| | | | | | | | | | Rechnerarchitektur | Computer Architecture | POL | DE/EN | 2 | 5 |
| 5 | Rechnergestützte Geometrie | Computational Geometry | E-19 | WP | GM | Ja | MdIP | 6 | | | | | | |
| | | | | | | | | | Rechnergestützte Geometrie | Computational Geometry | VL | DE | 2 | 5 |
| | | | | | | | | | Rechnergestützte Geometrie | Computational Geometry | UE | DE | 2 | 5 |
| 5 | Verteilte Systeme | Distributed Systems | E-17 | WP | GM | Ja | KI | 6 | | | | | | |
| | | | | | | | | | Verteilte Systeme | Distributed Systems | VL | DE | 2 | 5 |
| | | | | | | | | | Verteilte Systeme | Distributed Systems | UE | DE | 2 | 5 |
| 6 | Compilerbau | Compiler Construction | E-16 | WP | GM | Ja | PA | 6 | | | | | | |
| | | | | | | | | | Compilerbau | Compiler Construction | VL | EN | 2 | 6 |
| | | | | | | | | | Compilerbau | Compiler Construction | UE | EN | 2 | 6 |
| 6 | Einführung in Medizintechnische Systeme | Introduction into Medical Technology and Systems | E-1 | WP | GM | Ja | KI | 6 | | | | | | |

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|--|---|---|----------|----------|-----------|------|------------------|--------|---|---|------------|-------------|---------|---------|
| | | | | | | | | | Einführung in Medizintechnische Systeme | Introduction into Medical Technology and Systems | VL | DE | 2 | 6 |
| | | | | | | | | | Einführung in Medizintechnische Systeme | Introduction into Medical Technology and Systems | HÜ | DE | 1 | 6 |
| | | | | | | | | | Einführung in Medizintechnische Systeme | Introduction into Medical Technology and Systems | PS | DE | 2 | 6 |
| 6 | Labor Cyber-Physical Systems | Lab Cyber-Physical Systems | E-13 | WP | GM | Ja | PA | 6 | | | | | | |
| | | | | | | | | | Labor Cyber-Physical Systems | Lab Cyber-Physical Systems | POL | DE/EN | 4 | 6 |
| 6 | Löser für schwachbesetzte lineare Gleichungssysteme | Solvers for Sparse Linear Systems | E-10 | WP | GM | Ja | MdIP | 6 | | | | | | |
| | | | | | | | | | Löser für schwachbesetzte lineare Gleichungssysteme | Solvers for Sparse Linear Systems | VL | DE/EN | 2 | 6 |
| | | | | | | | | | Löser für schwachbesetzte lineare Gleichungssysteme | Solvers for Sparse Linear Systems | UE | DE/EN | 2 | 6 |
| 6 | Mathematische Statistik | Mathematical Statistics | 0-UNIH | WP | GM | Ja | KI | 6 | | | | | | |
| | | | | | | | | | Mathematische Statistik | Mathematical Statistics | VL | DE/EN | 3 | 6 |
| | | | | | | | | | Mathematische Statistik | Mathematical Statistics | UE | DE/EN | 1 | 6 |
| 6 | Softwareentwicklung | Software Development | E-16 | WP | GM | Ja | PA | 6 | | | | | | |
| | | | | | | | | | Softwareentwicklung | Software Development | VL | EN | 1 | 6 |
| | | | | | | | | | Softwareentwicklung | Software Development | POL | EN | 2 | 6 |
| Vertiefung Ingenieurwissenschaften Pflichtbereich: 0 LP Wahlpflichtbereich: 30 LP | | | | | | | | | | | | | | |
| 4 | Mathematik IV | Mathematics IV | 0-UNIH | WP | GM | Ja | KI | 6 | | | | | | |
| | | | | | | | | | Differentialgleichungen 2 (Partielle Differentialgleichungen) | Differential Equations 2 (Partial Differential Equations) | VL | DE | 2 | 4 |
| | | | | | | | | | Differentialgleichungen 2 (Partielle Differentialgleichungen) | Differential Equations 2 (Partial Differential Equations) | UE | DE | 1 | 4 |
| | | | | | | | | | Differentialgleichungen 2 (Partielle Differentialgleichungen) | Differential Equations 2 (Partial Differential Equations) | HÜ | DE | 1 | 4 |
| | | | | | | | | | Komplexe Funktionen | Complex Functions | VL | DE | 2 | 4 |
| | | | | | | | | | Komplexe Funktionen | Complex Functions | UE | DE | 1 | 4 |
| | | | | | | | | | Komplexe Funktionen | Complex Functions | HÜ | DE | 1 | 4 |
| 4 | Technische Thermodynamik I | Technical Thermodynamics I | M-21 | WP | GM | Ja | KI | 6 | | | | | | |
| | | | | | | | | | Technische Thermodynamik I | Technical Thermodynamics I | VL | DE | 2 | 4 |
| | | | | | | | | | Technische Thermodynamik I | Technical Thermodynamics I | UE | DE | 1 | 4 |
| | | | | | | | | | Technische Thermodynamik I | Technical Thermodynamics I | HÜ | DE | 1 | 4 |
| 5 | Einführung in die Nachrichtentechnik und ihre stochastischen Methoden | Introduction to Communications and Random Processes | E-8 | WP | GM | Ja | KI | 6 | | | | | | |

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| | | | | | | | | | Einführung in die Nachrichtentechnik und ihre stochastischen Methoden | Introduction to Communications and Random Processes | VL | DE/EN | 3 | 5 |
| | | | | | | | | | Einführung in die Nachrichtentechnik und ihre stochastischen Methoden | Introduction to Communications and Random Processes | HÜ | DE/EN | 1 | 5 |
| 5 | Elektrische Energiesysteme I | Electrical Power Systems I | E-6 | WP | GM | Ja | KI | 6 | | | | | | |
| | | | | | | | | | Elektrische Energiesysteme I | Electrical Power Systems I | VL | DE | 3 | 5 |
| | | | | | | | | | Elektrische Energiesysteme I | Electrical Power Systems I | HÜ | DE | 2 | 5 |
| 5 | Elektrotechnik III: Netzwerktheorie und Transienten | Electrical Engineering III: Circuit Theory and Transients | E-3 | WP | GM | Ja | KI | 6 | | | | | | |
| | | | | | | | | | Netzwerktheorie | Circuit Theory | VL | DE | 3 | 5 |
| | | | | | | | | | Netzwerktheorie | Circuit Theory | UE | DE | 2 | 5 |
| 5 | Mechanik III (GES) | Mechanics III (GES) | M-13 | WP | GM | Ja | KI | 6 | | | | | | |
| | | | | | | | | | Mechanik III (GES) | Mechanics III (GES) | VL | EN | 3 | 5 |
| | | | | | | | | | Mechanik III (GES) | Mechanics III (GES) | UE | EN | 2 | 5 |
| | | | | | | | | | Mechanik III (GES) | Mechanics III (GES) | HÜ | EN | 1 | 5 |
| 5 | Messtechnik und Messdatenverarbeitung | Measurements: Methods and Data Processing | E-1 | WP | GM | Ja | KI | 6 | | | | | | |
| | | | | | | | | | Elektrotechnisches Versuchspraktikum | EE Experimental Lab | PR | DE | 2 | 5 |
| | | | | | | | | | Messtechnik und Messdatenverarbeitung | Measurements: Methods and Data Processing | VL | DE | 2 | 5 |
| | | | | | | | | | Messtechnik und Messdatenverarbeitung | Measurements: Methods and Data Processing | UE | DE | 1 | 5 |
| 5 | Technische Thermodynamik II | Technical Thermodynamics II | M-21 | WP | GM | Ja | KI | 6 | | | | | | |
| | | | | | | | | | Technische Thermodynamik II | Technical Thermodynamics II | VL | DE | 2 | 5 |
| | | | | | | | | | Technische Thermodynamik II | Technical Thermodynamics II | UE | DE | 1 | 5 |
| | | | | | | | | | Technische Thermodynamik II | Technical Thermodynamics II | HÜ | DE | 1 | 5 |
| 6 | Algebraische Methoden in der Regelungstechnik | Algebra and Control | E-19 | WP | GM | Ja | MdIP | 6 | | | | | | |
| | | | | | | | | | Algebraische Methoden in der Regelungstechnik | Algebra and Control | VL | DE/EN | 2 | 6 |
| | | | | | | | | | Algebraische Methoden in der Regelungstechnik | Algebra and Control | UE | DE/EN | 2 | 6 |
| 6 | Einführung in Medizintechnische Systeme | Introduction into Medical Technology and Systems | E-1 | WP | GM | Ja | KI | 6 | | | | | | |
| | | | | | | | | | Einführung in Medizintechnische Systeme | Introduction into Medical Technology and Systems | VL | DE | 2 | 6 |
| | | | | | | | | | Einführung in Medizintechnische Systeme | Introduction into Medical Technology and Systems | HÜ | DE | 1 | 6 |

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| | | | | | | | | | Einführung in Medizintechnische Systeme | Introduction into Medical Technology and Systems | PS | DE | 2 | 6 |
| 6 | Elektrische Maschinen | Electrical Machines | M-4 | WP | GM | Ja | KI | 6 | | | | | | |
| | | | | | | | | | Elektrische Maschinen | Electrical Machines | VL | DE | 3 | 6 |
| | | | | | | | | | Elektrische Maschinen | Electrical Machines | HÜ | DE | 2 | 6 |
| 6 | Elektrotechnik IV: Leitungen und Forschungsseminar | Electrical Engineering IV: Transmission Lines and Research Seminar | E-3 | WP | GM | Ja | KI | 6 | | | | | | |
| | | | | | | | | | Forschungsseminar Elektrotechnik, Informatik, Mathematik | Research Seminar Electrical Engineering, Computer Science, Mathematics | SE | DE/EN | 2 | 6 |
| | | | | | | | | | Leitungstheorie | Transmission Line Theory | VL | DE | 2 | 6 |
| | | | | | | | | | Leitungstheorie | Transmission Line Theory | HÜ | DE | 2 | 6 |
| 6 | Strömungsmechanik | Fluid Dynamics | M-8 | WP | GM | Ja | KI | 6 | | | | | | |
| | | | | | | | | | Strömungsmechanik | Fluid Mechanics | VL | DE | 3 | 6 |
| | | | | | | | | | Strömungsmechanik | Fluid Mechanics | HÜ | DE | 2 | 6 |
| 6 | Werkstoffe der Elektrotechnik | Materials in Electrical Engineering | E-12 | WP | GM | Ja | KI | 6 | | | | | | |
| | | | | | | | | | Demonstration elektrotechnischer Experimente | Electrotechnical Experiments | VL | DE | 1 | 6 |
| | | | | | | | | | Werkstoffe der Elektrotechnik | Materials in Electrical Engineering | VL | DE | 2 | 6 |
| | | | | | | | | | Werkstoffe der Elektrotechnik (Übung) | Materials in Electrical Engineering (Problem Solving Course) | UE | DE | 2 | 6 |
| Abschlussarbeit Pflichtbereich: 12 LP Wahlpflichtbereich: 0 LP | | | | | | | | | | | | | | |
| 6 | Bachelorarbeit | Bachelor Thesis | Nicht definiert | P | GM | Ja | lt. FSPO | 12 | | | | | | |

Legende:

¹P=Pflicht, WP=Wahlpflicht

²GM=Geschlossenes Modul, OM=Offenes Modul

³KI=Klausur, Re=Referat, Kl=Klausur, SA=Schriftliche Ausarbeitung, HA=Hausarbeit, Re=Referat, MdIP=Mündliche Prüfung, lt. FSPO=laut FSPO, PA=Projektarbeit

⁴LP=Leistungspunkte

⁵VL=Vorlesung, SE=Seminar, UE=Gruppenübung, POL=Problem orientierte Lehrveranstaltung, PR=Laborpraktikum, PS=Projektseminar, HÜ=Hörsaalübung

⁶DE=Deutsch, EN=Englisch, DE/EN=Deutsch und Englisch

⁷SWS=Semesterwochenstunden