| No. | Module groups / modules | 1st Semester (Winter) contact time (SWS) | ECTS | 2nd Semester (Summer) contact time (SWS) | ECTS | 3rd Semester (Winter) contact time (SWS) | ECTS | 4th Semester (Summer) contact time (SWS) | ECTS | 5th Semester (Winter) contact time (SWS) | ECTS | 6th Semester (Summer) contact time (SWS) | ECTS | 7th Semester (Winter) contact time (SWS) | ECTS | Total contact time (SWS) | ECTS | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DTM - Study Plan - Winter Semester Start | Study Section 1 | | | | Study Section 2 | | | | Study Section 3 | | | | | | | | |
| 1 | Fundamentals of Mathematics, Informatics and Scientific Methods | 4 | 5 | 4 | 5 | 4 | 5 | 8 | 10 | 4 | 5 | 0 | 0 | 0 | 0 | 24 | 30 | 14% |
| 1.1 | Mathematics | 4 | 5 | | | | | | | | | | | | | | | |
| 1.2 | Algorithms and Data Structures | | | 4 | 5 | | | | | | | | | | | | | |
| 1.3 | Object-oriented Coding | | | | | 4 | 5 | | | | | | | | | | | |
| 1.4 | Statistics and Quantitative Methods | | | | | | | 4 | 5 | | | | | | | | | |
| 1.5 | Information Systems and Databases | | | | | | | 4 | 5 | | | | | | | | | |
| 1.6 | Research and Evaluation Methods | | | | | | | | | 4 | 5 | | | | | | | |
| 2 | Digital Technology | 4 | 5 | 4 | 5 | 8 | 10 | 4 | 5 | 0 | 0 | 0 | 0 | 4 | 5 | 24 | 30 | 14% |
| 2.1 | IoT Technology | 4 | 5 | | | | | | | | | | | | | | | |
| 2.2 | Product Management | | | 4 | 5 | | | | | | | | | | | | | |
| 2.3 | Sensors for Smart Systems | | | | | 4 | 5 | | | | | | | | | | | |
| 2.4 | Communication Technology | | | | | 4 | 5 | | | | | | | | | | | |
| 2.5 | Production Technology | | | | | | | 4 | 5 | | | | | | | | | |
| 2.6 | Innovation and Technology Lifecycle Management | | | | | | | | | | | | | 4 | 5 | | | |
| 3 | Management | 8 | 10 | 4 | 5 | 4 | 5 | 0 | 0 | 0 | 0 | 4 | 5 | 0 | 0 | 20 | 25 | 12% |
| 3.1 | Fundamentals of Business Administration | 4 | 5 | | | | | | | | | | | | | | | |
| 3.2 | Principles of Accounting and Finance | 4 | 5 | | | | | | | | | | | | | | | |
| 3.3 | Business Processes Management | | | 4 | 5 | | | | | | | | | | | | | |
| 3.4 | Digital Marketing and eCommerce | | | | | 4 | 5 | | | | | | | | | | | |
| 3.5 | Business Simulation | | | | | | | | | | | 4 | 5 | | | | | |
| 4 | Integrative Modules | 0 | 0 | 0 | 0 | 4 | 5 | 8 | 10 | 0 | 0 | 12 | 15 | 4 | 5 | 28 | 35 | 17% |
| 4.1 | Project Management and Agile Methods | | | | | 4 | 5 | | | | | | | | | | | |
| 4.2 | Logistics 1 | | | | | | | 4 | 5 | | | | | | | | | |
| 4.3 | Industrial Engineering | | | | | | | 4 | 5 | | | | | | | | | |
| 4.4 | Ethics in Business and Technology | | | | | | | | | | | 4 | 5 | | | | | |
| 4.5 | Entrepreneurial Project 1: Developing a Digital Solution | | | | | | | | | | | 4 | 5 | | | | | |
| 4.6 | Entrepreneurial Project 2: Business Plan for a Digital Product | | | | | | | | | | | | | 4 | 5 | | | |
| 4.7 | Research Project | | | | | | | | | | | 4 | 5 | | | | | |
| 5 | Language and Soft Skills | 8 | 10 | 12 | 15 | 4 | 5 | 4 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 28 | 35 | 17% |
| 5.1 | English for Academic Purposes | 4 | 5 | | | | | | | | | | | | | | | |
| 5.2 | Technical English | | | 4 | 5 | | | | | | | | | | | | | |
| 5.3 | Intercultural Communication | | | 4 | 5 | | | | | | | | | | | | | |
| 5.4 | Basic Elective 1 | 4 | 5 | | | | | | | | | | | | | | | |
| 5.5 | Basic Elective 2 | | | 4 | 5 | | | | | | | | | | | | | |
| 5.6 | Basic Elective 3 | | | | | 4 | 5 | | | | | | | | | | | |
| 5.7 | Basic Elective 4 | | | | | | | 4 | 5 | | | | | | | | | |
| 6 | Specialization Modules | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 10 | 8 | 10 | 16 | 20 | 10% |
| 6.1 | Specialization Elective 1 | | | | | | | | | | | 4 | 5 | | | | | |
| 6.2 | Specialization Elective 2 | | | | | | | | | | | 4 | 5 | | | | | |
| 6.3 | Specialization Elective 3 | | | | | | | | | | | | | 4 | 5 | | | |
| 6.4 | Specialization Elective 4 | | | | | | | | | | | | | 4 | 5 | | | |
| 7 | Practical Phase | | | | | | | | | | 25 | | | | | 0 | 25 | 12% |
| 7.1 | Internship | | | | | | | | | | 25 | | | | | | | |
| 8 | Bachelor's Degree | | | | | | | | | | | | | | 10 | 0 | 10 | 5% |
| 8.1 | Bachelor Thesis | | | | | | | | | | | | | | 10 | | | |
| | Summe: | 24 | 30 | 24 | 30 | 24 | 30 | 24 | 30 | 4 | 30 | 24 | 30 | 16 | 30 | 140 | 210 | 100% |