Study Schedule Information Technology (B.Sc.)
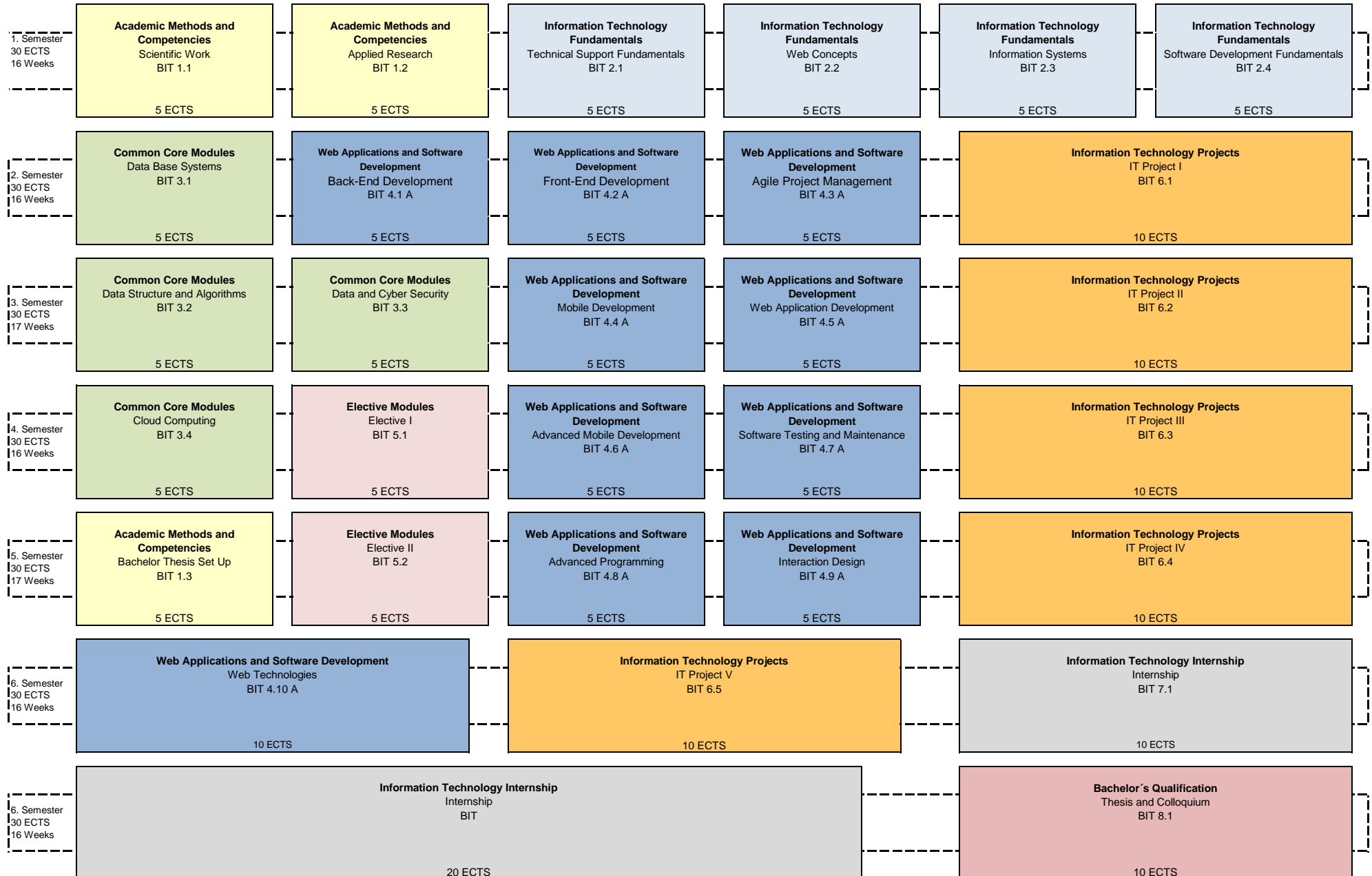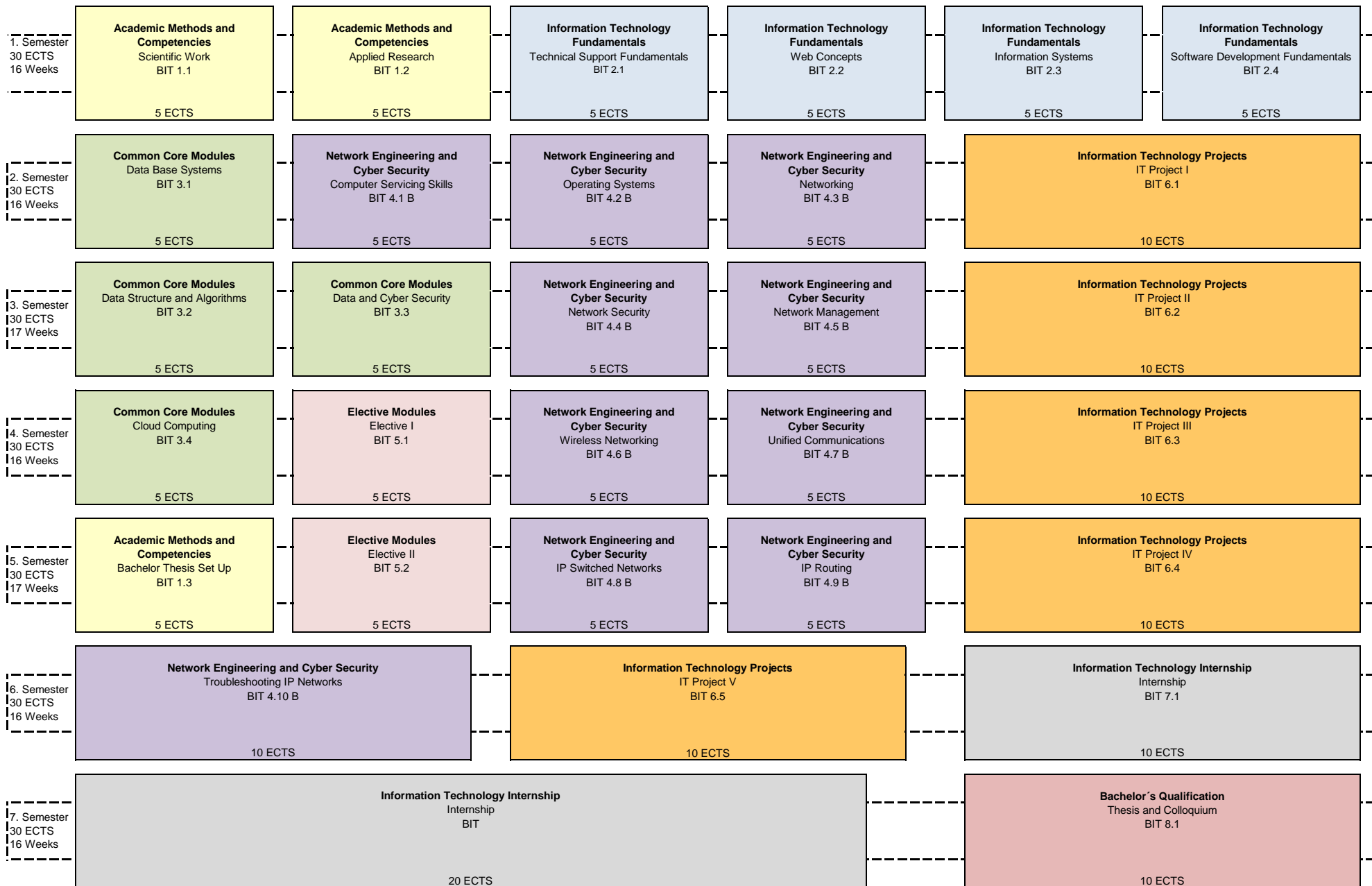Start: 1. April | 1. October
Duration: 7 Semester
Spezialisation: Web Applications and Software Development

1. Semester 30 ECTS 16 Weeks	**Academic Methods and Competencies** Scientific Work BIT 1.1 — 5 ECTS	**Academic Methods and Competencies** Applied Research BIT 1.2 — 5 ECTS	**Information Technology Fundamentals** Technical Support Fundamentals BIT 2.1 — 5 ECTS	**Information Technology Fundamentals** Web Concepts BIT 2.2 — 5 ECTS	**Information Technology Fundamentals** Information Systems BIT 2.3 — 5 ECTS	**Information Technology Fundamentals** Software Development Fundamentals BIT 2.4 — 5 ECTS
2. Semester 30 ECTS 16 Weeks	**Common Core Modules** Data Base Systems BIT 3.1 — 5 ECTS	**Web Applications and Software Development** Back-End Development BIT 4.1 A — 5 ECTS	**Web Applications and Software Development** Front-End Development BIT 4.2 A — 5 ECTS	**Web Applications and Software Development** Agile Project Management BIT 4.3 A — 5 ECTS	**Information Technology Projects** IT Project I BIT 6.1 — 10 ECTS	
3. Semester 30 ECTS 17 Weeks	**Common Core Modules** Data Structure and Algorithms BIT 3.2 — 5 ECTS	**Common Core Modules** Data and Cyber Security BIT 3.3 — 5 ECTS	**Web Applications and Software Development** Mobile Development BIT 4.4 A — 5 ECTS	**Web Applications and Software Development** Web Application Development BIT 4.5 A — 5 ECTS	**Information Technology Projects** IT Project II BIT 6.2 — 10 ECTS	
4. Semester 30 ECTS 16 Weeks	**Common Core Modules** Cloud Computing BIT 3.4 — 5 ECTS	**Elective Modules** Elective I BIT 5.1 — 5 ECTS	**Web Applications and Software Development** Advanced Mobile Development BIT 4.6 A — 5 ECTS	**Web Applications and Software Development** Software Testing and Maintenance BIT 4.7 A — 5 ECTS	**Information Technology Projects** IT Project III BIT 6.3 — 10 ECTS	
5. Semester 30 ECTS 17 Weeks	**Academic Methods and Competencies** Bachelor Thesis Set Up BIT 1.3 — 5 ECTS	**Elective Modules** Elective II BIT 5.2 — 5 ECTS	**Web Applications and Software Development** Advanced Programming BIT 4.8 A — 5 ECTS	**Web Applications and Software Development** Interaction Design BIT 4.9 A — 5 ECTS	**Information Technology Projects** IT Project IV BIT 6.4 — 10 ECTS	
6. Semester 30 ECTS 16 Weeks	**Web Applications and Software Development** Web Technologies BIT 4.10 A — 10 ECTS		**Information Technology Projects** IT Project V BIT 6.5 — 10 ECTS		**Information Technology Internship** Internship BIT 7.1 — 10 ECTS	
6. Semester 30 ECTS 16 Weeks	**Information Technology Internship** Internship BIT — 20 ECTS				**Bachelor´s Qualification** Thesis and Colloquium BIT 8.1 — 10 ECTS	

Study Schedule Information Technology (B.Sc.)
Start: 1. April | 1. October
Duration: 7 Semester
Spezialisation: Network Engineering and Cyber Security

1. Semester — 30 ECTS — 16 Weeks

Academic Methods and Competencies	Academic Methods and Competencies	Information Technology Fundamentals	Information Technology Fundamentals	Information Technology Fundamentals	Information Technology Fundamentals
Scientific Work — BIT 1.1 — 5 ECTS	Applied Research — BIT 1.2 — 5 ECTS	Technical Support Fundamentals — BIT 2.1 — 5 ECTS	Web Concepts — BIT 2.2 — 5 ECTS	Information Systems — BIT 2.3 — 5 ECTS	Software Development Fundamentals — BIT 2.4 — 5 ECTS

2. Semester — 30 ECTS — 16 Weeks

Common Core Modules	Network Engineering and Cyber Security	Network Engineering and Cyber Security	Network Engineering and Cyber Security	Information Technology Projects
Data Base Systems — BIT 3.1 — 5 ECTS	Computer Servicing Skills — BIT 4.1 B — 5 ECTS	Operating Systems — BIT 4.2 B — 5 ECTS	Networking — BIT 4.3 B — 5 ECTS	IT Project I — BIT 6.1 — 10 ECTS

3. Semester — 30 ECTS — 17 Weeks

Common Core Modules	Common Core Modules	Network Engineering and Cyber Security	Network Engineering and Cyber Security	Information Technology Projects
Data Structure and Algorithms — BIT 3.2 — 5 ECTS	Data and Cyber Security — BIT 3.3 — 5 ECTS	Network Security — BIT 4.4 B — 5 ECTS	Network Management — BIT 4.5 B — 5 ECTS	IT Project II — BIT 6.2 — 10 ECTS

4. Semester — 30 ECTS — 16 Weeks

Common Core Modules	Elective Modules	Network Engineering and Cyber Security	Network Engineering and Cyber Security	Information Technology Projects
Cloud Computing — BIT 3.4 — 5 ECTS	Elective I — BIT 5.1 — 5 ECTS	Wireless Networking — BIT 4.6 B — 5 ECTS	Unified Communications — BIT 4.7 B — 5 ECTS	IT Project III — BIT 6.3 — 10 ECTS

5. Semester — 30 ECTS — 17 Weeks

Academic Methods and Competencies	Elective Modules	Network Engineering and Cyber Security	Network Engineering and Cyber Security	Information Technology Projects
Bachelor Thesis Set Up — BIT 1.3 — 5 ECTS	Elective II — BIT 5.2 — 5 ECTS	IP Switched Networks — BIT 4.8 B — 5 ECTS	IP Routing — BIT 4.9 B — 5 ECTS	IT Project IV — BIT 6.4 — 10 ECTS

6. Semester — 30 ECTS — 16 Weeks

Network Engineering and Cyber Security	Information Technology Projects	Information Technology Internship
Troubleshooting IP Networks — BIT 4.10 B — 10 ECTS	IT Project V — BIT 6.5 — 10 ECTS	Internship — BIT 7.1 — 10 ECTS

7. Semester — 30 ECTS — 16 Weeks

Information Technology Internship	Bachelor´s Qualification
Internship — BIT — 20 ECTS	Thesis and Colloquium — BIT 8.1 — 10 ECTS

Study Schedule Information Technology (B.Sc.)
Start: 1. April | 1. October
Duration: 7 Semester
Spezialisation: Artificial Intelligence and Data Analytics

Semester						
1. Semester 30 ECTS 16 Weeks	**Academic Methods and Competencies** Scientific Work BIT 1.1 5 ECTS	**Academic Methods and Competencies** Applied Research BIT 1.2 5 ECTS	**Information Technology Fundamentals** Technical Support Fundamentals BIT 2.1 5 ECTS	**Information Technology Fundamentals** Web Concepts BIT 2.2 5 ECTS	**Information Technology Fundamentals** Information Systems BIT 2.3 5 ECTS	**Information Technology Fundamentals** Software Development Fundamentals BIT 2.4 5 ECTS
2. Semester 30 ECTS 16 Weeks	**Common Core Modules** Data Base Systems BIT 3.1 5 ECTS	**Artificial Intelligence and Data Analytics** Fundamentals of AI and Data Analytics BIT 4.1 C 5 ECTS	**Artificial Intelligence and Data Analytics** Programming for Data Analytics BIT 4.2 C 5 ECTS	**Artificial Intelligence and Data Analytics** Data Mining BIT 4.3 C 5 ECTS	**Information Technology Projects** IT Project I BIT 6.1 10 ECTS	
3. Semester 30 ECTS 17 Weeks	**Common Core Modules** Data Structure and Algorithms BIT 3.2 5 ECTS	**Common Core Modules** Data and Cyber Security BIT 3.3 5 ECTS	**Artificial Intelligence and Data Analytics** Data Acquisition and Visualization BIT 4.4 C 5 ECTS	**Artificial Intelligence and Data Analytics** Machine Learning BIT 4.5 C 5 ECTS	**Information Technology Projects** IT Project II BIT 6.2 10 ECTS	
4. Semester 30 ECTS 16 Weeks	**Common Core Modules** Cloud Computing BIT 3.4 5 ECTS	**Elective Modules** Elective I BIT 5.1 5 ECTS	**Artificial Intelligence and Data Analytics** Data Ethics and Law BIT 4.6 C 5 ECTS	**Artificial Intelligence and Data Analytics** Big Data Analytics BIT 4.7 C 5 ECTS	**Information Technology Projects** IT Project III BIT 6.3 10 ECTS	
5. Semester 30 ECTS 17 Weeks	**Academic Methods and Competencies** Bachelor Thesis Set Up BIT 1.3 5 ECTS	**Elective Modules** Elective II BIT 5.2 5 ECTS	**Artificial Intelligence and Data Analytics** Data Warehousing BIT 4.8 C 5 ECTS	**Artificial Intelligence and Data Analytics** Computational Intelligence BIT 4.9 C 5 ECTS	**Information Technology Projects** IT Project IV BIT 6.4 10 ECTS	
6. Semester 30 ECTS 16 Weeks	**Artificial Intelligence and Data Analytics** Advanced AI and Data Analytics BIT 4.10 C 10 ECTS		**Information Technology Projects** IT Project V BIT 6.5 10 ECTS		**Information Technology Internship** Internship BIT 7.1 10 ECTS	
7. Semester 30 ECTS 16 Weeks	**Information Technology Internship** Internship BIT 20 ECTS				**Bachelor´s Qualification** Thesis and Colloquium BIT 8.1 10 ECTS	