Data Science - Profile 1 (MSc Data Science, Field of application: Medicine)					
	1. Semester (WiSe)	2. Semester (SoSe)	3. Semester (WiSe)	4. Semester (SoSe)	
Computer Science	**Elective Course Computer Science 5 ECTS** **Elective Course Computer Science 5 ECTS** **Elective Course Computer Science 5 ECTS**	**Elective Course Computer Science 5 ECTS**	**Seminar Computer Science 5 ECTS**	**Master Thesis 30 ECTS**	**55 ECTS**
Mathematics	**RampUp Mathematics 10 ECTS**	**Elective Course 1 Mathematics 10 ECTS**	**Elective Course 1 Mathematics 10 ECTS** **Practical Course Mathematics 5 ECTS**		**35 ETCS**
Field of application	**Medical-methodological specialisation module 1 5 ECTS**	**Accident Informatics 5 ECTS** **Medical-methodological Course 2 5 ECTS**	**Biomed. Image and Signal Analysis 5 ECTS**		**20 ETCS**
Ethics and Mandatory Courses		Scientific and Method-oriented working 5 ECTS	Ethics and Epistemology 5 ECTS		**10 ECTS**
Total	**30 ECTS**	**30 ECTS**	**30 ECTS**	**30 ECTS**	**120 ECTS**

Compulsory modules **Elective modules**

Data Science - Profile 2 (MSc Data Science, Field of application: Biology, Chemistry, Pharmacy)					
	1. Semester (WiSe)	2. Semester (SoSe)	3. Semester (WiSe)	4. Semester (SoSe)	
Computer Science	**Elective Course Computer Science 5 ECTS** **Elective Course Computer Science 5 ECTS**	**Elective Course Computer Science 5 ECTS**	**Seminar Computer Science 5 ECTS** **Elective Course Computer Science 5 ECTS**		**25 ECTS**
Mathematics	**RampUp Mathematics 10 ECTS**	**Elective Course 1 Mathematics 10 ECTS** **Elective Course 1 Mathematics 10 ECTS**	**Elective Course Mathematics 5 ECTS**		**35 ETCS**
Field of application	**Theoretical Biophysical Chemistry 5 ECTS**		**Project Work 15 ECTS**	**Master Thesis 30 ECTS**	**50 ETCS**
Ethics and Mandatory Courses	Ethics and Epistemology 5 ECTS	Scientific and Method-oriented Working 5 ECTS			**10 ECTS**
Total	**30 ECTS**	**30 ECTS**	**30 ECTS**	**30 ECTS**	**120 ECTS**

Compulsory modules **Elective modules**

Data Science - Profile 3 (MSc Data Science, Field of application: Image- and Signalanalysis)					
	1. Semester (SoSe)	2. Semester (WiSe)	3. Semester (SoSe)	4. Semester (WiSe)	
Computer Science	**RampUp Computer Science 10 ECTS**	**Elective Course Computer Science 5 ECTS** **Elective Course Computer Science 5 ECTS**	**Practical Course Computer Science 5 ECTS** **Elective Course Computer Science 5 ECTS** **Elective Course Computer Science 5 ECTS**		**25 ECTS**
Mathematics	**Elective Course 1 Mathematics 10 ECTS**	**Elective Course 1 Mathematics 10 ECTS** **Seminar Mathematics 5 ECTS**			**25 ETCS**
Field of application	**Computer Vision and Machine Learning 5 ECTS**		**Project Work 15 ECTS**	**Master Thesis 30 ECTS**	**50 ETCS**
Ethics and Mandatory Courses	Scientific and Method-oriented Working 5 ECTS	Ethics and Epistemology 5 ECTS			**10 ECTS**
Total	**30 ECTS**	**30 ECTS**	**30 ECTS**	**30 ECTS**	**120 ECTS**

Compulsory modules **Elective modules**

Data Science - Profile 4 (MSc Data Science, Field of application: Data Science in Engineering)					
	1. Semester (SoSe)	2. Semester (WiSe)	3. Semester (SoSe)	4. Semester (WiSe)	
Computer Science	**RampUp Computer Science 10 ECTS**	**Elective Course Computer Science 5 ECTS** **Elective Course Computer Science 5 ECTS**	**Seminar Computer Science 5 ECTS** **Elective Course Computer Science 5 ECTS** **Elective Course Computer Science 5 ECTS**		**35 ECTS**
Mathematics	**Elective Course 1 Mathematics 10 ECTS** **Elective Course 1 Mathematics 10 ECTS**	**Practical Course Mathematics 5 ECTS**		**Master Thesis 30 ECTS**	**55 ETCS**
Field of application		**Machine Learning 5 ECTS** **Introduction to Finite Elements 5 ECTS**	**Deep Learning in Remote Sensing 5 ECTS** **Fundamentals of Turbulence Modeling 5 ECTS**		**20 ETCS**
Ethics and Mandatory Courses		Ethics and Epistemology 5 ECTS	Scientific and Method-Oriented Working 5 ECTS		**10 ECTS**
Total	**30 ECTS**	**30 ECTS**	**30 ECTS**	**30 ECTS**	**120 ECTS**

Compulsory modules **Elective modules**