

## BA Computer Science

### Winter Semester 2022/ 23

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
511.034	3.	<a href="#">Introduction to Operating Systems</a>	2	L	2	Kirsch	English
511.047	5.	<a href="#">Systems Engineering</a>	2	UV	4	Kirsch	Englisch
511.065	3.	<a href="#">Software Engineering</a>	2	P	4	Naderlinger, Resmerita	English
511.075	3.	<a href="#">Databases II</a>	1	P	2	Schäler	German English
511.107	5.	<a href="#">Project Management for Computer Science</a>	2	UV	3	Pree, Resmerita	English German
511.114	5.	<a href="#">Software Lab</a>	2	PR	5	Pree, Resmerita, Hörbinger	English

### Summer Semester 2023

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
511.046	4.	<a href="#">Introduction to Compiler Systems</a>	3	UV	6	Kirsch	English German
511.073	2.	<a href="#">Databases I</a>	1	P	2	Kwitt, Resmerita, Schäler	German English

**BA Artificial Intelligence (AI)**

**Winter Semester 2022 / 23**

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
511.034	-	<a href="#">Introduction to Operating Systems</a>	2	L	2	Kirsch	English
511.047	-	<a href="#">Systems Engineering</a>	2	UV	4	Kirsch	English
511.075	-	<a href="#">Databases II</a>	1	P	2	Schäler	German English

**Summer Semester 2023**

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
511.046	-	<a href="#">Introduction to Compiler Systems</a>	3	UV	6	Kirsch	English German
511.073	4.	<a href="#">Databases I</a>	1	P	2	Kwitt, Resmerita, Schäler	German English
511.203	-	<a href="#">Algorithms for Distributed Systems</a>	1	P	2	De Vos	German English

**BSc Digitalisation – Innovation - Society (DIG)**

**Winter Semester 2022 / 23**

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
511.065	-	<a href="#">Software Engineering</a>	2	P	4	Naderlinger, Resmerita	English
512.023	1.	<a href="#">Introduction to Computer Science and Systems</a>	2	VU	3	Kirsch	English German
512.025	1.	<a href="#">Problem Solving and Algorithmic Thinking</a>	2	UE	3	Forster, Sokolova	German English

**Summer Semester 2023**

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
511.073	-	<a href="#">Databases I</a>	1	P	2	Kwitt, Resmerita, Schäler	German English

**Master Computer Science**

**Winter Semester 2022 / 23**

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
911.001	1.	<a href="#">Advanced Databases</a>	2	L	2	Augsten	English German
911.002	1.	<a href="#">Advanced Databases</a>	1	P	2	Schäler	English
911.030	1.	<a href="#">Advanced Mathematics for Computer Science</a>	3	L	3	Amstler	English
911.031	1.	<a href="#">Advanced Mathematics for Computer Science</a>	2	P	4	Amstler	English
911.062	-	<a href="#">Computational Geometry</a>	2	L	2,5	Held	English German
911.063	-	<a href="#">Computational Geometry</a>	1	P	2,5	Held	English German
911.318	-	<a href="#">WFM: Parallel Programming</a>	2	L	2,5	Resmerita	English German
911.319	-	<a href="#">WFM: Parallel Programming</a>	1	P	2,5	Resmerita	English German
911.347	-	<a href="#">WFM: Combinatorial Optimization</a>	2	L	3	Nazari	English
911.348	-	<a href="#">WFM: Combinatorial Optimization</a>	1	P	3	Skarlatos	English
911.403	2.	<a href="#">Advanced Algorithms and Data Structures</a>	3	L	3	Elsässer, Forster	German English

911.404	2.	<a href="#">Advanced Algorithms and Data Structures</a>	2	P	4	Elsässer, Forster	German English
911.414	1.	<a href="#">Software Systems</a>	3	UV	4	Kirsch	English German
911.425	-	<a href="#">Similarity Search in Large Databases</a>	2	L	2,5	Augsten	English
911.426	-	<a href="#">Similarity Search in Large Databases</a>	1	P	2,5	Augsten	German English

### Summer Semester 2023

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
911.006	2.	<a href="#">Distributed Systems</a>	2	L	2	Pree	English German
911.007	2.	<a href="#">Distributed Systems</a>	1	P	2	Resmerita	English German
911.016	2.	<a href="#">Software Techniques</a>	2	L	2	Pree	English German
911.017	2.	<a href="#">Software Techniques</a>	1	P	2	Pree	English German
911.024	1.	<a href="#">Theoretical Computer Science</a>	3	L	3	Sokolova	English
911.054	-	<a href="#">Geometric Modeling</a>	2	L	2,5	Held	English
911.055	-	<a href="#">Geometric Modeling</a>	1	P	2,5	Held	English
911.429	-	<a href="#">Model-based Software Design</a>	3	UV	5	Resmerita	English German
911.430	-	<a href="#">Selected Topics in Software Engineering</a>	3	UV	5	Naderlinger	German English
911.437	-	<a href="#">Computer Aided Verification</a>	2	L	2,5	Sokolova	English German
911.438	-	<a href="#">Computer Aided Verification</a>	1	P	2,5	Sokolova	English German

**MA JDM Applied Image and Signal Processing**

Winter Semester 2022 / 23

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
911.030	2.	<a href="#">Advanced Mathematics for Computer Science</a>	3	L	3	Amstler	English
911.031	2.	<a href="#">Advanced Mathematics for Computer Science</a>	2	P	4	Amstler	English
911.062	-	<a href="#">Computational Geometry</a>	2	L	3	Held	English German
911.063	-	<a href="#">Computational Geometry</a>	1	P	2	Held	English German
911.910	3.	<a href="#">Master Seminar 1</a>	2	SE	3	Held	English German
911.922	2.	<a href="#">Forier Analysis, Filter Banks &amp; Wavelets</a>	3	L	3	Amstler	English
911.923	2.	<a href="#">Forier Analysis, Filter Banks &amp; Wavelets</a>	2	P	4	Amstler	English

**Summer Semester 2023**

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
911.054	3.	<a href="#">Geometric Modeling</a>	2	L	2,5	Held	English
911.055	3.	<a href="#">Geometric Modeling</a>	1	P	2,5	Held	English

**MA Data Science**

Winter Semester 2022 / 23

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
511.034	1.	<a href="#">Introduction to Operating Systems</a>	2	L	3	Kirsch	English

511.075	1.	<a href="#">Databases II</a>	1	P	2	Schäler	German English
911.001	1.	<a href="#">Advanced Databases</a>	2	L	2	Augsten	English German
911.002	1.	<a href="#">Advanced Databases</a>	1	P	2	Schäler	English
911.403	2.	<a href="#">Advanced Algorithms and Data Structures</a>	3	L	3	Elsässer, Forster	German English
911.404	3.	<a href="#">Advanced Algorithms and Data Structures</a>	2	P	4	Elsässer, Forster	German English
911.425	3.	<a href="#">Similarity Search in Large Databases</a>	2	L	2,5	Augsten	English
911.426	3.	<a href="#">Similarity Search in Large Databases</a>	1	P	2,5	Augsten	German English
911.922	4.	<a href="#">Fourier Analysis, Filter Banks &amp; Wavelets</a>	3	L	2,5	Amstler	English
911.923	4.	<a href="#">Fourier Analysis, Filter Banks &amp; Wavelets</a>	2	P	2,5	Amstler	English

### Summer Semester 2023

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
511.073	2.	<a href="#">Databases I</a>	1	P	2	Kwitt, Resmerita, Schäler	German English
911.006	2.	<a href="#">Distributed Systems</a>	2	L	2	Pree	English German
911.007	2.	<a href="#">Distributed Systems</a>	1	P	2	Resmerita	English German

**Digitale und Analytische Wissenschaften (Doctorate / PhD)**

**Winter Semester 2022 / 23**

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
796.800	-	<a href="#">Doctoral Seminar</a>	1	BS	2	Elsässer et al.	English
911.318	-	<a href="#">WFM: Parallel Programming</a>	2	L	2,5	Resmerita	English German
911.319	-	<a href="#">WFM: Parallel Programming</a>	1	P	2,5	Resmerita	English German
911.403	2.	<a href="#">Advanced Algorithms and Data Structures</a>	3	L	3	Elsässer, Forster	German English

**Summer Semester 2023**

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
796.800	-	<a href="#">Doctoral Seminar</a>	1	BS	2	Augsten et al.	English
911.054	-	<a href="#">Geometric Modeling</a>	2	L	2,5	Held	English
911.437	-	<a href="#">Computer Aided Verification</a>	2	L	2,5	Sokolova	English German