




PARIS
LODRON
UNIVERSITY
SALZBURG



Matriculation number

D

Study ID/Study code (already filled in)

Computer Science Curriculum 2023

Last name, academic degree	First name
Address	
Date of birth:	Citizenship
Telephone	E-Mail

[illegible]

Date

Signature

Curriculum § 5 1) Compulsory modules according to §5	39 ECTS-Cr.	Grade	Date
(1) Module P1: Advanced Formal Techniques (Theory in Depth) courses in the range of 10 to 18 ECTS points must be chosen	10-18 cr.		
VO Advanced Mathematics for Computer Science	3		
PS Advanced Mathematics for Computer Science	4		
VO Theoretical Computer Science	3		
PS Theoretical Computer Science	4		
VO Advanced Algorithms and Data Structures	3		
PS Advanced Algorithms and Data Structures	4		
Last exam*:	Grade point average*:		
(2) Module P2: Software in Depth courses in the range of 8 to 13 ECTS points must be chosen	8-13 cr.		
VO Advanced Data Bases	2		
PS Advanced Data Bases	2		
VO Software Techniques	2		
PS Software Techniques	2		
SE Seminar in Computer Science	5		
Last exam*:	Grade point average*:		
(3) Software Systems courses in the range of 12 to 16 ECTS points must be chosen	12-16 cr.		
UV Enterprise Computing	4		
VO Distributed Systems	2		
PS Distributed Systems	2		
VO IT-Security	2		
PS IT-Security	2		
UV Advanced Systems Engineering	4		
Last exam*:	Grade point average*:		

2) Elective modules according to § 6 Selection of elective modules of 40 ECTS points according to § 6	40 ECTS-Cr.	Grade	Date
Module EM1: Advanced Software Engineering	10 cr.		
Model-based Software Design (UV)	5		
Selected Topics in Software Engineering	5		
Last exam*:	Grade point average*:		
Module EM 2: Bioinformatics Bioinformatics – compulsory	9 – 12 cr.		
Genetik (VO)	3		
Allgemeine Biologie (VO)	1,5		
Last exam*:	Grade point average*:		

Module EM 2: Bioinformatics Bioinformatics – compulsory	9 – 12 cr.		
Bionformatik (VO)	3		
Bioinformatik II (UE)	2		
Digitalisierung (VO)	1,5		
Biomedical Data – from molecules to diseases (VO)	1,5		
Hand-on biomedical data (UE)	4,5		
Big data management (VO)	1,5		
Last exam*:	Grade point average*:		
Module EM 3: Concurrency and Verification	10 cr.		
Concurrency Theory and Practice (VO)	2,5		
Concurrency Theory and Practice (PS)	2,5		
Computer Aided Verification (VO)	2,5		
Computer Aided Verification (PS)	2,5		
Coalgebra (VU)	5		
Last exam*:	Grade point average*:		
Module EM 4: Data Analysis	10 cr.		
Pattern Recognition 1 (UV)	2,5		
Pattern Recognition 2 (UV)	2,5		
Statistical Learning Theory (VO)	2,5		
Statistical Learning Theory (PS)	2,5		
Last exam*:	Grade point average*:		
Module EM 5: Data Management	10 cr.		
Similarity Search in Large Databases (UV)	5		
Parallel and Distributed Management (UV)	5		
Last exam*:	Grade point average*:		
Module EM 6: Geographic Information Systems and Sciences	10 cr.		
ESRI Academy	1		
Location Based Services and Systems	6		
Design of Geospatial Data Models	3		
Last exam*:	Grade point average*:		
Module EM 7: Gemetric Computing	10 cr.		
Computational Geometry (VO)	2,5		
Computational Geometry (PS)	2,5		
Geometric Modeling (VO)	2,5		
Geometric Modeling (PS)	2,5		
Last exam*:	Grade point average*:		

Module EM 8: Human-Computer Interaction	10 cr.		
HCI Theory & Paradigms	2		
Foundations of HCI Methodologies	4		
Human Factors & Design Principles	2		
Experience Engineering Methods	4		
Interaction Design	3		
Contextual Analysis & Context Capturing	3		
Contextual Interaction Design	3		
Additional options identified by CK			
Last exam*:	Grade point average*:		
Module EM 9: Image Processing	10 cr.		
Imaging beyond Consumer Cameras (VO)	2,5		
Imaging beyond Consumer Cameras (PS)	2,5		
Medical Imaging (VO)	2,5		
Medical Imaging (PS)	2,5		
Last exam*:	Grade point average*:		
Module EM 10: Information Law	10 cr.		
IT-Recht and Legal Tech (SE)	5		
Computer- und Online Strafrecht (UV)	2		
Privates Informatikrecht (VO)	3		
Datenschutz und E-Government (VU)	3		
Datenbankrechte (UV)	4		
Last exam*:	Grade point average*:		
Module EM 11: Multimedia and Security	10 cr.		
Multimedia Security (VO)	2,5		
Multimedia Security (PS)	2,5		
Biometric Systems (VO)	2,5		
Biometric Systems (PS)	2,5		
Last exam*:	Grade point average*:		
Module EM 12: Multimedia in Practice	10 cr.		
Webprogrammierung (UV)	3		
Web Projekt (UV)	3		
Studienergänzung "Digitale Medien"			
Last exam*:	Grade point average*:		
Module EM 13: Multimedia Technologies	10 cr.		
Audio Processing (VO)	2,5		
Audio Processing (PS)	2,5		
Computer Vision (VO)	2,5		
Computer Vision (PS)	2,5		

Last exam*:	Grade point average*:		
Module EM 14: Parallel and Distributed Algorithms and Programming	10 cr.		
Distributed Algorithms (UV)	5		
Parallel Algorithms (VO)	2,5		
Parallel Algorithms (PS)	2,5		
Parallel Programming (UV)	5		
Last exam*:	Grade point average*:		
Module EM 15: Remote Sensing	9 – 12 cr.		
Remote Sensing and Image Processing	3		
Advanced Remote Sensing	6		
Object-based Image Analysis	3		
Last exam*:	Grade point average*:		
Individual Elective Module A	6 – 15 cr.		
Last exam*:	Grade point average*:		
Individual Elective Module B	6 – 15 cr.		
Last exam*:	Grade point average*:		

<u>3) Free elective courses</u> Students are to complete free elective courses totalling 6 ECTS points	6 ECTS-Cr.	Grade	Date
Last exam*:	Grade point average*:		

* filled out by the examination office

**Commissioned Master's Exam
according to the curriculum of the master's
programme Computer Science**

Announcement of the examination date and examination committee

**This form must be submitted to the examination office at least 2 weeks before the
planned examination date!**

Name: _____

Matriculation number: _____

Address: _____

Telephone.: _____ E-Mail: _____

Date of examination: _____ Time of examination: _____

Place of examination: _____

Subject A: Presentation of master's thesis

Subject B: _____

Subject C: _____

Examination Committee:

Approved by dean after suggestion by examination candidate

Chairperson:

Signature

Examiner:
Subject A

Signature

Examiner:
Subject B

Examiner:
Subject C

Signature

Date

Signature examination candidate

**Appeals against the above-mentioned
date/against the examination committee:**

(Please mark with a cross)

☐ no

☐ yes – Reason:

Date

Dean
For the Vizerektor*in für Lehre und Studium