

**Master in Computer Science****Major: Computational Engineering**

326295	KV	Parallel Computing	4,5	Schreiner Wolfgang, Zoitl Alois	[EN]
366008	KV	Hardware Design	4,5	Große Daniel, Klemmer Lucas, Ruep Katharina	[EN]
326046	VL	Computer Algebra for Concrete Mathematics	3,0	Schneider Carsten	[EN]
336050	PR	Project in Computational Engineering	2,0	Roche-Newton Oliver, Pretl Harald	[EN]
338046	PR	Project in Computational Engineering	2,0	Seidl Martina	[EN]
510202	PR	Project in Computational Engineering	2,0	Ehling Georg, Zoitl Alois	[EN]
338007	SE	Seminar in Computational Engineering	3,0	Hofstadler Clemens, Plank Andreas	[EN]

**Major: Intelligent Information Systems**

351023	KV	Integrated Information Systems	3,0	Wößl Wolfram	[EN]
344086	VL	Learning from User-generated Data	3,0	Schedl Markus	[EN]
344087	UE	Learning from User-generated Data	1,5	Rebola Pardo Adrian, Tommasel Antonela	[EN]
344088	UE	Learning from User-generated Data	1,5	Pfeiffer Peter, Tommasel Antonela	[EN]
344089	UE	Learning from User-generated Data	1,5	Froleyks Nils, Tommasel Antonela	[EN]
344186	UE	Learning from User-generated Data	1,5	Tommasel Antonela	[EN]
344187	UE	Learning from User-generated Data	1,5	Masoudian Shahed	[EN]
344188	UE	Learning from User-generated Data	1,5	Masoudian Shahed	[EN]
344189	UE	Learning from User-generated Data	1,5	Masoudian Shahed	[EN]
344190	UE	Learning from User-generated Data	1,5	Lesota Oleg	[EN]
344191	UE	Learning from User-generated Data	1,5	Lesota Oleg	[EN]
367107	KV	Web Information Systems	4,5	Forstner Thomas, Kapsammer Elisabeth	[EN]
573004	KV	Accessible Software and Web Design	1,5	Forstner Thomas, Koutny Reinhard	[EN]
351033	PR	Project in Intelligent Information Systems	2,0	Pröll Birgit	[EN]
367200	PR	Project in Intelligent Information Systems	2,0	Retschitzegger Werner	[EN]
573036	PR	Project in Intelligent Information Systems	2,0	Miesenberger Klaus	[EN]
351031	SE	Seminar in Intelligent Information Systems	3,0	Wößl Wolfram	[EN]
351032	SE	Seminar in Intelligent Information Systems	3,0	Pröll Birgit	[EN]
367112	SE	Seminar in Intelligent Information Systems	3,0	Kapsammer Elisabeth, Retschitzegger Werner	[EN]
573026	SE	Seminar in Intelligent Information Systems	3,0	Miesenberger Klaus, Koutny Reinhard	[EN]

**Major: Networks and Security**

353077	KV	Systems Security	3,0	Lins Mario	[EN]
353064	KV	Secure Code	1,5	Dorfmeister Daniel	[EN]
353084	KV	Network Management	3,0	Roland Michael	[EN]
353088	KV	Network Security	1,5	Horacek Jan	[EN]
344016	KV	Cryptography	3,0	Scharinger Josef	[EN]
351027	KV	Security Models in Information Systems	3,0	Küng Josef	[EN]

	344051	PR	Project in Networks and Security	2,0	Scharinger Josef	[EN]
	353093	PR	Project in Networks and Security	2,0	Mayrhofer Rene, Sonntag Michael, Roland Michael	[EN]
	367033	PR	Project in Networks and Security	2,0	Kotsis Gabriele	[EN]
	510503	SE	Seminar in Networks and Security	3,0	Rass Stefan, Ahmad Shahzad	[EN]
<b>Major: Pervasive Computing</b>						
	367077	KV	Principles of Interaction	4,5	Kotsis Gabriele, Grill Thomas	[EN]
	344090	VL	Machine Learning and Pattern Classification	3,0	Widmer Gerhard	[EN]
	344091	UE	Machine Learning and Pattern Classification	1,5	Jadidi Tara	[EN]
	344092	UE	Machine Learning and Pattern Classification	1,5	Schmid Florian	[EN]
	344093	UE	Machine Learning and Pattern Classification	1,5	Primus Paul	[EN]
	344094	UE	Machine Learning and Pattern Classification	1,5	Schmid Florian	[EN]
	344097	UE	Machine Learning and Pattern Classification	1,5	Primus Paul	[EN]
	344098	UE	Machine Learning and Pattern Classification	1,5	, Jadidi Tara	[EN]
	344099	UE	Machine Learning and Pattern Classification	1,5	Schmid Florian	[EN]
	344291	UE	Machine Learning and Pattern Classification	1,5	Primus Paul	[EN]
	344292	UE	Machine Learning and Pattern Classification	1,5	Jadidi Tara	[EN]
	340030	PR	Project in Pervasive Computing	2,0	Ferscha Alois	[EN]
	364058	PR	Project in Pervasive Computing	2,0	Bimber Oliver, Streit Marc, Wallner Günter	[EN]
	367032	PR	Project in Pervasive Computing	2,0	Hummel Karin Anna, Khalil Ismail, Kotsis Gabriele	[EN]
	340040	SE	Seminar in Pervasive Computing	3,0	Ferscha Alois	[EN]
	364053	SE	Seminar in Pervasive Computing	3,0	Bimber Oliver, Streit Marc, Wallner Günter	[EN]
	367006	SE	Seminar in Pervasive Computing	3,0	Hummel Karin Anna, Kotsis Gabriele	[EN]
<b>Major: Software Engineering</b>						
	259022	KV	Software Architectures	4,5	Weinreich Rainer, Wimmer Manuel	[EN]
	343008	KV	Model-driven Engineering	3,0	Egyed Alexander, Marchezan de Paula Luciano	[EN]
	259019	KV	Software Testing	3,0	Plösch Reinhold, Ramler Rudolf	[EN]
	343007	KV	Software Processes and Tools	3,0	Grünbacher Paul	[EN]
	339018	PR	Project in Software Engineering	2,0	Weninger Markus, Mössenböck Hanspeter	[EN]
	343005	PR	Project in Software Engineering	2,0	Egyed Alexander, Grünbacher Paul	[EN]
	367035	PR	Project in Software Engineering	2,0	Kotsis Gabriele	[EN]
	367202	PR	Project in Software Engineering	2,0	Retschitzegger Werner	[EN]
	510209	PR	Project in Software Engineering	2,0	Rabiser Rick, Zoitl Alois	[EN]
	339380	SE	Seminar in Software Engineering	3,0	Weninger Markus	[EN]
	343006	SE	Seminar in Software Engineering	3,0	Marchezan de Paula Luciano, Ratiu Cosmina-Cristina	[EN]
<b>Major: Data Science</b>						
	238341	KV	Statistical Principles of Data Science	4,5	Hinterleitner Harald	[EN]
	351050	KV	Big Data Management and Processing	3,0	Pröll Birgit, Küng Josef, Retschitzegger Werner	[EN]

351008	KV	Computational Data Analytics	3,0	Fürnkranz Johannes	[EN]
344061	PR	Project in Data Science	2,0	, Primus Paul	[EN]
351071	PR	Project in Data Science	2,0	Fürnkranz Johannes, Küng Josef, Pröll Birgit, Wöß Wolfram	[EN]
367201	PR	Project in Data Science	2,0	Retschitzegger Werner, Kapsammer Elisabeth	[EN]
344059	SE	Seminar in Data Science	3,0	Cancino Chacon Carlos Eduardo	[EN]
351007	SE	Seminar in Data Science	3,0	Fürnkranz Johannes	[EN]

## Electives

## General Electives

364046	VO	Information Displays	3,0	Bimber Oliver	[EN]
364047	KV	Advanced Interactive Visualization	4,5	Hinterreiter Andreas, Steinparz Christian, Streit Marc	[EN]
344010	KV	Digitale Bildverarbeitung	3,0	Scharinger Josef	[DE]
351026	KV	Application Oriented Knowledge Processing	3,0	Küng Josef	[EN]
351044	PR	Computational Data Analytics	1,5	Huynh Van Quoc	[EN]
351024	KV	Conceptual Data Modeling	3,0	Wöß Wolfram	[EN]
351025	KV	Semantic Data Modeling and Applications	3,0	Wöß Wolfram	[EN]
351028	KV	Web Search and Mining	3,0	Pröll Birgit	[EN]
353018	KV	Advanced Operating Systems	3,0	Mayrhofer Rene, Sonntag Michael	[EN]
510519	KV	Cloud Security	3,0	Rass Stefan, Goman Maksim	[EN]
353061	KV	Introduction to Linux	1,5	Höller Tobias	[EN]
353070	KV	Web Security	3,0	Sonntag Michael	[EN]
343350	KV	Engineering of AI-intensive Systems	3,0	Marchezan de Paula Luciano, Egyed Alexander	[EN]
343354	KV	Product Line Engineering	3,0	, Stummer Alexander, Rabiser Rick	[EN]
365078	UE	Machine Learning: Unsupervised Techniques	1,5	Lin Wei	[EN]
365095	UE	Machine Learning: Unsupervised Techniques	1,5	Lin Wei	[EN]
365097	UE	Machine Learning: Unsupervised Techniques	1,5	Lin Wei	[EN]
365223	UE	Machine Learning: Unsupervised Techniques	1,5	Berzins Arturs	[EN]
365274	UE	Machine Learning: Unsupervised Techniques	1,5	Sestak Florian	[EN]
365275	UE	Machine Learning: Unsupervised Techniques	1,5	Abbass Mohammed	[EN]
365293	UE	Machine Learning: Unsupervised Techniques	1,5	Seidl Philipp	[EN]
365294	UE	Machine Learning: Unsupervised Techniques	1,5	Seidl Philipp	[EN]
365317	UE	Machine Learning: Unsupervised Techniques	1,5	Lin Wei	[EN]
365318	UE	Machine Learning: Unsupervised Techniques	1,5	Seidl Philipp	[EN]
365328	UE	Machine Learning: Unsupervised Techniques	1,5	Seidl Philipp	[EN]
365329	UE	Machine Learning: Unsupervised Techniques	1,5	Berzins Arturs	[EN]
365352	UE	Machine Learning: Unsupervised Techniques	1,5	Bertram Timo	[EN]
365353	UE	Machine Learning: Unsupervised Techniques	1,5	Bertram Timo	[EN]
365077	VL	Machine Learning: Unsupervised Techniques	3,0	Hochreiter Sepp	[EN]

365041	VO	Machine Learning: Advanced Techniques	3,0	Brandstetter Johannes	[EN]
365042	UE	Machine Learning: Advanced Techniques	1,5	Brandstetter Johannes	[EN]
365100	UE	Machine Learning: Advanced Techniques	1,5	Brandstetter Johannes	[EN]
365244	UE	Machine Learning: Advanced Techniques	1,5	Volkman Eric	[EN]
365245	UE	Machine Learning: Advanced Techniques	1,5	Volkman Eric	[EN]
365319	UE	Machine Learning: Advanced Techniques	1,5	Adler Thomas	[EN]
365320	UE	Machine Learning: Advanced Techniques	1,5	Adler Thomas	[EN]
365356	UE	Machine Learning: Advanced Techniques	1,5	Berzins Arturs	[EN]
365357	UE	Machine Learning: Advanced Techniques	1,5	Berzins Arturs	[EN]
365358	UE	Machine Learning: Advanced Techniques	1,5	Setinek Paul	[EN]
365359	UE	Machine Learning: Advanced Techniques	1,5	Setinek Paul	[EN]
326047	UE	Computer Algebra for Concrete Mathematics	1,5	Radu Silviu	[EN]
338021	KV	SAT Solving	3,0	Seidl Martina, Froleys Nils, Heisinger Maximilian	[EN]
238351	KV	Verallgemeinerte Lineare Modelle	3,0	Wagner Helga	[DE]
367100	KV	Big Data Engineering	3,0	Retschitzegger Werner, Kapsammer Elisabeth	[EN]
367156	KV	Modeling Internet Applications	3,0	Schwinger Wieland	[EN]
536027	KV	Gender Studies Managing Equality TN	3,0	Bock von Wülfingen Bettina	[EN]
536020	VO	Ethics and Gender Studies	3,0	Ernst Waltraud	[EN]
536026	KS	Soziale und geschlechterspezifische Aspekte der IT	3,0	Ruiz Ben Esther	[DE]
<b>Special Topics</b>					
339342	KV	Dynamic Compilation and Run-time Optimization in Virtual Machines	1,5	Wirth Christian, Mosaner Raphael	[EN]
339350	KV	Semantics of Programming Languages	1,5	Steingartner William	[EN]
339358	KV	Introduction to Microcontrollers	1,5	Poth Miklos	[EN]
339365	KV	Parallel and Asynchronous Programming with .NET	1,5	Birngruber Dietrich	[EN]
353019	KV	Next-Generation Firewalls	1,5	Horacek Jan	[EN]
353029	KV	Wireless LANs	1,5	Praher-Köpl Christian	[EN]
353032	KV	Mobile Netze	1,5	Ostermayer Gerald	[DE]

336005	KV	Quantum Information	3,0	Kofler Johannes	[DE]
338006	KV	Neurosymbolic AI	3,0	Seidl Martina, Plank Andreas	[EN]
339344	KV	Formal Specification of Software	3,0	Lightfoot David	[EN]
339352	KV	Functional Programming in Java	3,0	Prähofer Herbert, Fried Alexander	[EN]
339368	KV	Introduction to Full Stack Web Development	3,0	Weninger Markus	[EN]
344032	KV	Audio and Music Processing	3,0	Schlüter Jan	[EN]
344058	KV	Machine Learning and Audio: a challenge	3,0	Primus Paul, Schmid Florian	[EN]
351039	KV	Graph Databases	3,0	Küng Josef	[EN]
364503	KV	Interactive Storytelling	3,0	Dormann Claire	[EN]
367020	KV	Wireless Networks	3,0	Hummel Karin Anna	[EN]
510504	KV	Decision Making in Security	3,0	Goman Maksim	[EN]
510522	KV	Security Infrastructures	3,0	Rass Stefan, Goman Maksim	[EN]
3260VR	VL	Formale Modelle Paralleler und Verteilter Systeme	3,0	Schreiner Wolfgang	[EN]
326024	VL	Formale Semantik von Programmiersprachen	3,0	Schreiner Wolfgang	[EN]
353057	VL	Patente und Schutzrechte für Ingenieure	3,0	Sonntag Michael	[DE]
336009	KV	Advanced Topics Quantum Informations	4,5	Küng Richard	[DE]
344052	KV	Multimedia Data Mining	4,5	Schedl Markus, Nawaz Shah	[EN]
364501	KV	Games User Research	4,5	Dormann Claire	[EN]
531705	KV	GenAI and Digital Tools in Educational Context	4,5	Sabitzer Barbara, Kuka Lisa	[DE]
336007	SE	Quantum Information and Computation	3,0	Kofler Johannes	[DE]

### Seminars (see Major Subjects)

#### Master's Thesis Seminars

336056	SE	Institut f. Integrierte Schaltungen	4,5	Ostermann Timm, Fath Patrick, Pretl Harald	[EN]
338032	SE	Inst.f.Symbolic Artificial Intelligence	4,5	Seidl Martina	[EN]
339506	SE	Inst.f.Systemsoftware	4,5	Mössenböck Hanspeter, Prähofer Herbert	[EN]
340021	SE	Inst.f.Pervasive Computing	4,5	Ferscha Alois	[EN]
343004	SE	Inst.f.Software Systems Engineering	4,5	Egyed Alexander, Grünbacher Paul	[EN]
344012	SE	Inst.f.Comp.Perception	4,5	Widmer Gerhard, Scharinger Josef	[EN]
351030	SE	Inst.f.Anwendungsor. Wissensverarb.	4,5	Fürnkranz Johannes, Küng Josef, Pröll Birgit, Wöß Wolfram	[EN]
353095	SE	Institut für Netzwerke und Sicherheit	4,5	Mayrhofer Rene, Sonntag Michael, Roland Michael	[EN]
364062	SE	Institut für Computergrafik	4,5	Bimber Oliver, Streit Marc, Wallner Günter	[EN]
366004	SE	Institut für Complex Systems	4,5	Große Daniel, Klemmer Lucas	[EN]
367013	SE	Inst.f.Telekooperation	4,5	Kotsis Gabriele, Hummel Karin Anna, Khalil Ismail	[EN]
367161	SE	Abt. für Koop. Informationssysteme	4,5	Retschitzegger Werner, Schwinger Wieland	[EN]
510207	SE	LIT Cyber-Physical Systems Lab	4,5	Zoitl Alois, Rabiser Rick	[EN]

510501 SE LIT Secure and Correct Systems Lab  
573012 SE Institut Integriert Studieren

4,5 Rass Stefan, Ahmad Shahzad, Goman Maksim [EN]  
4,5 Miesenberger Klaus [EN]