

Group Number: 2372-24.01-ACS-CHD				Duration of study: 01.04.2024 - 31.03.2026							Status: 04.12.23 (V1)			
Consecutive Master Program Applied Computer Science (M.Sc.) – 2 years – Campus Heidelberg														
No.	Module	Type	Block Apr	Block Okt	Duration in weeks im Semester				CP	Examination im Semester		Coursework im Semester		Wgh
	----- Compulsory modules -----				1	2	3	4		Sem	Type	Sem	Type	
2194-2	IT-Security	V+Ü	5	9	5				8	2/3	Lab			8
2193-2	Software Development Practice	V+Ü	2	2	5				8	1	PA			8
	Specialization Module I		3	7	5	5			8	1/2				8
2195	Current Topics in Computer Science	V+Ü	4	8	3	3			4	1/2	Ref			4
1853-3	International Project Management	V+Ü	1	1	5				8	1	PA	1	PrA	8
	Specialization Module II		6	10		5			8	2/3				8
3806	Advanced Databases	V+Ü	7	3	5	5			8	2/1	PA			8
	Specialization Module III		8	4	5	5			8	2/1				8
1855-3	Software Architecture and Development	V+Ü	9	5		5	5		8	3/2	Ref	3/2	PrA	8
1856-3	Advanced Computer Science	V+Ü	10	6		5	5		8	3/2	Ref	3/2	PrA	8
	----- Elective modules -----													
2352-3	(Elective Module) Internship	P	11,12	11,12			10		14	3	KomP (PB 75%, WP 25%)			14
2197-2	(Elective Module) Research Project	PA	11,12	11,12			10		14	3	PA			14
1857-2	Master Thesis Seminar	S	12	12				22	4	4	WP	4	PrA	4
A-1003	Master Thesis	Th	12	12				22	26	4	Th / Ko			26
	- Specialization Business Computing -													
3726	Business Information System Technology (SAP Technology)	V+Ü			5				8		Kls			8
3727	In Memory Databases (SAP HANA)	V+Ü			5				8		Kls			8
3728	Business Information System Programming (SAP ABAP)	V+Ü			5				8		PA		PrA	8
3656	Service Engineering & Management	V+Ü			5				8		MP			8
1863-3	Internet & Network Technologies	V+Ü			5				8		Kls		PrA	8
2199	Applied Research	PA			5				8		PA		PrA	8
	- Specialization Mobile Computing -													
1869	Advanced Game Design	V+Ü			5				8		PA		PrA	8
2200-2	Applied Artificial Intelligence	V+Ü			5				8		Ref		PrA	8
3729	Development of Smart Learning Systems	V+Ü			5				8		Kls		PrA	8
3730	Developing Mobile Games	V+Ü			5				8		Ref		PrA	8
1868-2	Developing Mobile Applications	V+Ü			5				8		Ref		PrA	8
1863-3	Internet & Network Technologies	V+Ü			5				8		Kls		PrA	8
2199	Applied Research	PA			5				8		PA		PrA	8
	- Specialization Usability Engineering and UX-Design-													
3731-2	Fundamentals towards UX	V+Ü			5				8		PA		Pra	8
3732	UX Design and Implementation	V+Ü			5				8		PA			8
3733	Usability Testing and Verification	S			5				8		PA			8
1863-3	Internet & Network Technologies	V+Ü			5				8		Kls		PrA	8
2199	Applied Research	PA			5				8		PA		PrA	8

Studiengangsspezifische Regelungen / Specific Regulations

(1) Besondere Zugangsvoraussetzungen / Special Application Requirements

- At least 3 Years Bachelor Degree with at least 180 CP in Informatics, "Virtuelle Realitäten", "Wirtschaftsinformatik", "Angewandte Informatik", Computer Science, Information Technology, Software Development or similar, and with at least 90CP from Informatics lectures (i.e. Software Engineering, Software Development) or similar. Average Score: 2.5 or better.
- Further achievements can be accepted on individual basis.
- Language: Required English language skills: TOEFL Test or IELTS (English language test 6.5) or equivalent.

(2) Rahmenbedingungen des Studiengangs / General Rules of the Study Program

- Total number of credit points (CP): 120CP, Workload per CP: 25 h. Weight equal to CP; Duration of study: 2 years, 4 semesters.
- Mode of study: On campus program.
- Order of modules can be changed.
- Master Degree Program held in the English. The Master Thesis can also be written in German.
- According to the regulations, automatic registration is only available for regular examinations (i.e., the first regular examination). So students need to register for a re-examination by themselves. Students can find the deadlines concerning the registration/de-registration for the re-examinations in the regulations of the Faculty Examination Office.

(3) Inhaltliche Besonderheiten im Studium / Special Rules of the Study Program

- Internship: An internship can be selected alternatively to the „Research Project“. This internship is mandatory.
- Specialization: For specialization in either "Business Computing" (BC), "Mobile Computing" (MC) or "Usability Engineering and UX-Design" (UE/UX) the student must pass at least two modules (16CP) out of the selected specialization.

-To be continued on next page-

(4) Abschlussarbeit und besondere Regelungen zum Studienende / Master Thesis and Colloquium

- a. The Master Thesis has 26 CP and a duration of 6 months. This can be extended by max. 3 months on written application. The Master Thesis Colloquium is 25% of the master thesis exam.

(5) Übersicht der Prüfungs- und Kursarten / Overview of Examination and Course types

Courses

Lecture (V)
Seminar (S)
Project Work (PA)
Project Development (PE)
Group Work (GA)
Excursions (Exk)
Problem oriented Learning (PoL)
Roleplay (Ro)
Case Studies (FA)
Business Simulation (WS)
Colloquium (Ko)
Exercise (Ü)
Laboratory (Lab)
Internship (P)
Tutorial (T)
Demonstration (D)
Thesis (Th)

Examinations

Written Exam (Kls)
Student Research Projekt (SRP)
Research and Documentation (ReD)
Essay (Es)
Exposé (Ex)
Learning Diary (LTB)
Internship Report (PB)
Protocol (Pro)
Thesis (Th)
Report (Ber)
Test (Te)
Test (Quiz) (TQ)
Oral Exam (MP)
Presentation (Präs)
Colloquium (Ko)
Project Work (PA)
Project Development (PE)
Roleplay (Ro)
Case Studies (FA)
Portfolio Exam (PF)
Practical Work (PrA)
Practical Test (TT)
Praxis Situation (PS)
Presented Paper (Ref)
Draft/Design (Ent)
Moderation (Mod)
Multimedia/Multimodal presentation (MM)
Station test (OSPE/OSCE) (SP)
Practical test (PP)
Scientific poster presentation (WP)
Combined Examination (KomP)