

SEM courses at winter semester 2026/27

For any Profile (M1), any combination of courses assigned to the according profile can be chosen for fulfillment of M1. All courses that are not chosen for the Profile (M1) can be chosen for Advanced Computer Science (M2), regardless of the profile assigned in the table.

The profiles are marked with the following abbreviations in the tables:

- ASE Advanced Software Engineering and Data Science
- HCI Human-Computer Interaction
- ITM IT Management

Nr.	Profile	Course name	Lecturer	Language	SWS	ECTS
172492	ASE	Advanced Approaches for AI-based Image Processing	Prof. Windberger	English	2	3
172360	ASE	Advanced Software Architecture	Mr. Weiß	English	2	3
262310	ASE	Algorithm Theory	Prof. Hudde	English	4	6
262350	ITM, ASE	Business Models for IT Innovation	Dr. Ghosh	English	2	3
262351	ITM, ASE	Change and Innovation Management	Dr. Ghosh	English	2	3
172369	ASE	Cloud Computing	Prof. Fankhauser	English	2	3
262315	ASE, HCI, ITM	Current Topics in Software Engineering	Mrs. Mubarak	English	2	3
262317	ASE	Decision Support Systems	Prof. Ehrlich	English	2	3
172371	ASE	Deep Learning ¹	Dr. Nuredini	English	4	6
262331	HCI	Designing User Interfaces	Mr. Belzner	English	2	3
172378	HCI	Foundations in Human-Computer Interaction	Dr. Vix Kemanji	English	2	3
172381	ITM	Health Economics	Prof. Schramm	English	4	6
172383	ASE, HCI	Information Visualization (Informationsvisualisierung)	Dr. Pobiruchin	Englisch	2	3
262311	ASE, ITM	Intelligent Systems ²	Dr. Nuredini	English	2	3
262316	ASE	Introduction to Quantum Computing	Prof. Kreplin	English	4	6
262355	ITM	Management Methods/Leadership	Prof. Marsden	English	3	3
172336	ASE	Machine Learning (Maschinelles Lernen)	Prof. Pfeifer	English	2	3
172352	ASE	Machine Learning Lab (Praktikum Maschinelles Lernen)	Prof. Windberger	English	2	3
262333	HCI	Mixed Reality Lab	Prof. Meixner	English	4	6
262312	ASE	Realtime Systems	Prof. Schildt	English	4	6
172397	HCI	Usability Evaluation and Testing	Mr. Patzelt / Mr. Khau	English	4	6
262451		Scientific Writing	Dr. Koller	English	2	3
262452		German as a foreign language	Different lecturers	German	4	6
262453		Advised Studying (for non-native German speakers)	Prof. Winckler	English	2	3
262454		Advised Studying (for native German speakers)	Prof. Winckler	English	2	9
172393		Research Project		English	0	12

¹ Max. 25 participants

² Max. 30 participants