

Applied Computer Science (180 CP)

	CHOICE / CORE / CAREER					
3 rd Year	Bachelor Thesis / Seminar m, 10CP			Management me, 5 CP	Agency, Leadership & Accountability m, 5 CP	Argumentation, Data Visualization and Communication** me, 5 CP
	Specialization I ACS me, 5 CP	Specialization II ACS me, 5 CP	Specialization III ACS me, 5 CP		Collaborative Software Project m, 5 CP	
	CAREER	Summer Internship / Start-Up (after 2 nd year) m, 15 CP				
2 nd Year	Software Engineering m, 7.5 CP	Artificial Intelligence m, 7.5 CP	Machine Learning + Machine Learning Tools m, 7.5 CP	Management me, 5 CP	Causation / Correlation** m, 2.5 CP	
	Databases and Web Services m, 7.5 CP	Operating Systems m, 7.5 CP	Data Analytics and Modeling m, 7.5 CP	Probability and Random Processes m, 5 CP	Logic** m, 2.5 CP	
1 st Year	Algorithms and Data Structures m, 7.5 CP	Introduction to Cyber Physical Systems m, 7.5 CP	Software Design and Prototyping m, 7.5 CP	Distributed Development m, 5 CP	Elements of Calculus m, 5 CP	
	Introduction to Computer Science m, 7.5 CP	Programming in C/C++ m, 7.5 CP	Introduction to Data Science m, 7.5 CP		Elements of Linear Algebra m, 5 CP	
CHOICE						

CP: Credit Points

m: mandatory

me: mandatory elective

**Different module perspectives available