

MASTER OF SCIENCE IN SOFTWARE ENGINEERING

Study plan by year and semester – Cohort 2025/26

First Year

1st Semester		
Course	CP	Exam
Software Design and Implementation M1: Requirements Engineering for Dependable Systems M2: Software Architecture	12	Yes
Agile Software Engineering M1: Agile Processes and Practices M2: Continuous Integration and Delivery	12	Yes
Human Computer Interaction	6	Yes
	30	

2nd Semester		
Course	CP	Exam
Verification and Reliability	6	Yes
Advances in SE and Communication	6	Yes
Cloud Computing and Distributed Systems	6	Yes
Intelligent Tools for Software Evolution	6	Yes
Free Choice	6	Yes
	30	

Second Year

1st Semester		
Course	CP	Exam
Research Methods	6	Yes
Software and Systems Security	6	Yes
Catalogue	12	Yes
Internship	6	Pass/Fail
	30	

2nd Semester		
Course	CP	Exam
Thesis***	24	Graduation

Free Choice*	6	**
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* The student can freely advance or postpone the Free Choice credit points ** The student can choose courses that foresee both exams with grades and pass/fail tests *** Starting from the second year the student can start with the Thesis Work.		

Catalogue:

The student has to choose two courses from this catalogue.
The Faculty Council decides annually which courses to activate.

Course	CP	Exam
Software Quality and Metrics	6	Yes
Entrepreneurial Software Engineering	6	Yes
Innovative Solutions for Computing Education	6	Yes
Responsible Software Engineering	6	Yes
Prototyping Interactive Application	6	Yes
Algorithms for Parallel Computing	6	Yes

Free Choice
The student is free to choose lectures for a total of 12 credits points. As alternative student can choose an additional Internship to 6 CP (150 h) or 12 CP (300h).
These educational activities must be consistent with the student's academic pathway.
The methods for verifying consistency are decided by the Course Council.
Examinations taken for lectures chosen as Free Choice count as a single examination for the purposes of calculating the total number of examinations taken by the student.