VU VRIJE UNIVERSITEIT AMSTERDAM — Faculteit der Bètawetenschappen

Legend	
■ Compulsory Course	■ Elective
■ Constrained Choice (6 ec)	
■ Examination week*	
▨ Education free**	

Last modified: 17-4-2025

Year Schedule M Computer Science 2025-2026

1) Specialisation Big Data Engineering* OR 2) Specialisation Computer Systems and Infrastructure** OR 3) Specialisation Foundations of Computing and Concurrency*** OR 4) Specialisation Software Engineering & Green IT****

WEEK: 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 33

period 1 | period 2 | period 3 | period 4 | period 5 | period 6

Master Project Computer Science
(30 ec) XM_0011 — Resits / Resits

Research Methods in CS
(6 ec) XM_0175 — Resits / Resits

1) Specialisation BDE Constrained Choice* OR 2) Specialisation CSI Constrained Choice** OR 3) Specialisation FCC Constrained Choice*** OR 4) Specialisation SEG Constrained Choice****

M CS Constrained choice BDE core

Digital Twin Engineering
(6 ec) XMU_0068

Data preparation
(6 ec) XMU_0058

Web Services and Cloud-based Systems
(6 ec) XMU_418110

Data Protection Technologies
(6 ec) XMU_0057

Data Mining Techniques
(6 ec) X_400108

X_400108 (continued)

Resits / Resits

M CS Constrained choice FCC core

Logical Verification
(6 ec) XM_0167

Foundations of Cryptography
(6 ec) XM_0174

Information Theoretic Learning
(6 ec) XMU_0064

Advanced Algorithms
(6 ec) XMU_0060

Term Rewriting Systems
(6 ec) XM_400121

Advanced Logic
(6 ec) X_405048

Advanced Graph Algorithms
(6 ec) XM_0173

X_0173 (continued)

Distributed Algorithms
(6 ec) X_400211

X_400211 (continued)

Resits / Resits

M CS Constrained choice CSI core

Programming Large-scale Parallel Systems
(6 ec) XM_40017

Advanced Operating Systems
(6 ec) XM_40014

Distributed Systems
(6 ec) X_400130

Parallel Programming...
(6 ec) X_400162

Multi-core Processor Systems
(6 ec) XMU_0055

Accelerator-Centric...
(6 ec) XM_0171

XM_0171 (continued)

Energy-efficient Edge...
(6 ec) XMU_0056

XMU_0056 (continued)

Resits / Resits

M CS Constrained choice SEG core

Digitalization and Sustainability
(6 ec) XM_0089

Service Oriented Design
(6 ec) X_405061

Green Lab
(6 ec) X_418158

Fundamentals of Adaptive Software
(6 ec) XM_0128

Digital Architecture
(6 ec) XM_0127

Software Language Engineering
(6 ec) XM_0172

Software Testing
(6 ec) X_400439

X_400439 (continued)

Resits / Resits

M CS JD Mathematics Constrained chocie

Performance of Networked Systems
(6 ec) X_405105

Dynamic Programming and Reinforcement...
(6 ec) XM_0093

Experimental Design and Data Anlysis
(6 ec) X_405078

Resits

Resits

M CS JD Social Perspective on Computer Science Constrained Choice

E-Commerce Law
(6 ec) R_E.commerc

History of Digital...
(6 ec) XM_0134

Entrepreneurship in Analytics and AI
(6 ec) XM_0090

ICT for the Global South
(6 ec) XM_0142

XM_0142 (continued)

Inclusive ICT
(6 ec) XM_0177

Resits

Resits

M CS JD Security Contrained Choice

Software Security
(6 ec) X_400127

Verification for Security
(6 ec) XM_0099

Network Security
(6 ec) XM_0100

Security and Trustwor...
(6 ec) XM_0179

Security Experiments...
(6 ec) XM_0098

Cryptographic Engineering
(6 ec) XMU_0047

Secure Computation
(6 ec) XMU_0065

XMU_0065 (continued)

AI for Security
(6 ec) XM_0178

Resits

Resits

* Students enrolled in the BDE specialisation must select at least four courses from BDE constrained choice and must select at least one course from all other constrained choice categories

** Students enrolled in the CSI specialisation must select at least four courses from CSI constrained choice and must select at least one course from all other constrained choice categories

*** Students enrolled in the FCC specialisation must select at least four courses from FCC constrained choice and must select at least one course from all other constrained choice categories

**** Students enrolled in the SEG specialisation must select at least four courses from SEG constrained choice and must select at least one course from all other constrained choice categories

(In all specialisations:) M CS pre-approved electives

Digitalization and Sustainability (6 ec) XM_0089	Network Security (6 ec) XM_0100		E-Commerce Law (6 ec) R_E.commerc	Software Language Engineering (6 ec) XM_0172	Data Mining Techniques (6 ec) X_400108	X_400108 (continued)	AI for Security (6 ec) XM_0178
Verification for Security (6 ec) XM_0099	Distributed Systems (6 ec) X_400130		History of Digital... (6 ec) XM_0134	Entrepreneurship in Analytics and AI (6 ec) XM_0090	Accelerator-Centric... (6 ec) XM_0171	XM_0171 (continued)	Inclusive ICT (6 ec) XM_0177
Software Security (6 ec) X_400127	The Social Web (6 ec) X_405086		Security Experiments... (6 ec) XM_0098	Cryptographic Engineering (6 ec) XM_0047	Energy-efficient Edge... (6 ec) XMU_0056	XMU_0056 (continued)	Machine Learning... (6 ec) XM_40012
Programming Large-scale Parallel Systems (6 ec) XM_40017	Performance of Networked Systems (6 ec) X_405105		Secure and Trustworth... (6 ec) XM_0179	Multi-core Processor Systems (6 ec) XMU_0055	ICT for the Global South (6 ec) XM_0142	XM_0142 (continued)	
Evolutionary Computing (6 ec) X_400111	Information Theoretic Learning (6 ec) XMU_0064		Parallel Programming... (6 ec) X_400162	Data Protection Technologies (6 ec) XMU_0057	Distributed Algorithms (6 ec) X_400211	X_400211 (continued)	
Logical Verification (6 ec) XM_0167	Advanced Algorithms (6 ec) XMU_0060		High Performance... (6 ec) XM_40013	Term Rewriting Systems (6 ec) XM_0121	Software Testing (6 ec) X_400439	X_400439 (continued)	
Service Oriented Design (6 ec) X_405061	Dynamic Programming and Reinforcement Learning (6 ec) XM_0093		Data Preparation (6 ec) XMU_0058	Digital Business Ecosystems and Platforms (6 ec) XM_0176	Computational Complexity (6 ec) XMU_0061	XMU_0061 (continued)	
Knowledge Organization (6 ec) X_405065	Digital Architecture (6 ec) XM_0127			Advanced Logic (6 ec) X_405048	Secure Computation (6 ec) XMU_0065	XMU_0065 (continued)	
Introduction to Computational Science (6 ec) XMU_418111	Fundamentals of Adaptive Software (6 ec) XM_0128			Experimental Design and Data Analysis (6 ec) X_405078	Advanced Graph Algorithms (6 ec) XM_0173	XM_0173 (continued)	
Green Lab (6 ec) X_418158				Web Services and Cloud-based Systems (6 ec) XMU_418110			
Advanced Operating Systems (6 ec) XM_40014				Systems Seminar (6 ec) XM_0122			
Algorithmic Game Theory (6 ec) XMU_0063				Functional Programming (6 ec) XMU_0062			
Digital Twin Engineering (6 ec) XMU_0068							
Large Research Project Computer Science (12 ec) XM_0130	XM_0130 (continued)	XM_0130 (continued)	XM_0130 (continued)	XM_0130 (continued)	XM_0130 (continued)	XM_0130 (continued)	
Research Project Computer Science (6 ec) XM_0129	XM_0129 (continued)	XM_0129 (continued)	XM_0129 (continued)	XM_0129 (continued)	XM_0129 (continued)	XM_0129 (continued)	
Literature Study (6 ec) XM_0131	XM_0131 (continued)	XM_0131 (continued)	XM_0131 (continued)	XM_0131 (continued)	XM_0131 (continued)	XM_0131 (continued)	

Resits / *Resits*

* The examination weeks may differ.

For more information about the annual format, click [here]

For the current timetable information go to [rooster.vu.nl]

** Education free means that no scheduled teaching or examinations take place on the VU campus. Exceptions may include: fieldwork, internship and research courses

Resits	P1	P2	P3	P4	P5	P6
Information Sciences	wk 2/3	wk 7/8/9	wk 14	wk 23	wk 27	wk 29/33
Natural Sciences and Mathematics	wk 2/3	wk 7/8/9	wk 14	wk 23	wk 27	wk 29/33
Health and Life Sciences	wk 2/3	wk 7/8/9	wk 14	wk 23	wk 27	wk 29/33
Earth, Ecological and Environmental Sciences	wk 2/3	wk 7/8/9	wk 14	wk 23	wk 27	wk 29/33