

Course	Academic year	Short name	Minimum cre	Coordinating unit	Long name (English)
191158500	2023	APIE	5	M-ME	Advanced Programming in Engineering
191158510	2023	Programming in Engineering	3	M-ME	Programming in Engineering
191210750	2023	System-on-Chip Design	10	M-EE	System-on-Chip Design
191210950	2023	IDSP	5	M-EE	Implementation of Digital Signal Processing
191211590	2023	Systems-on-Chip for Embedded Systems	5	M-EE	Systems-on-Chip for Embedded Systems
191520751	2023	Graph Theory	5	M-AM	Graph Theory
191571090	2023	Time Series Analysis	5	M-AM	Time Series Analysis
191581420	2023	Mixed-Integer Optimization	5	M-AM	Mixed-Integer Optimization
191612680	2023	Computer Ethics	5	M-PSTS	Computer Ethics
192110940	2023	Secure Data Management	5	M-CS	Secure Data Management
192111092	2023	Advanced Logic	5	M-CS	Advanced Logic
192111332	2023	Design of Software Architectures	5	M-CS	Design of Software Architectures
192130112	2023	Distributed Systems	5	M-CS	Distributed Systems
192130250	2023	Embedded Computer Architectures 2	5	M-EMSYS	Embedded Computer Architectures 2
192135310	2023	Modeling & Analysis Concurrent Systems	5	M-CS	Modeling and Analysis of Concurrent Systems
192135450	2023	Model Driven Engineering	5	M-CS	Model Driven Engineering
192140122	2023	System Validation	5	M-CS	System Validation
192199508	2023	Research Topics CS	10	M-CS	Research Topics
192199978	2023	Final Project CS	30	M-CS	Final Project
192320111	2023	Architecture of Information Systems	5	M-BIT	Architecture of Information Systems
192320501	2023	Electronic Commerce	5	M-BIT	Electronic Commerce
192340041	2023	Software Management	5	M-BIT	Software Management
192620010	2023	Mobile and Wireless Networking	5	M-CS	Mobile and Wireless Networking
192620300	2023	Performance Evaluation	5	M-CS	Performance Evaluation
192652150	2023	Service-oriented Architecture Web Serv.	5	M-CS	Service-oriented Architecture with Web services
194105070	2023	Inform.Systems for the Financial Service	5	M-BA	Information Systems for the Financial Services Industry
201100022	2023	Cyber-crime Science (4TU)	5	M-CS	Cyber-crime Science (4TU)
201100254	2023	Adv. Comp. Vision & Pattern Recognition	5	M-EE	Advanced Computer Vision and Pattern Recognition
201200044	2023	Managing Big Data	5	M-CS	Managing Big Data
201300042	2023	Limits to Computing	5	M-CS	Limits to Computing
201300060	2023	Mathematical Finance	5	M-IEM	Mathematical Finance
201300062	2023	Structured Products	5	M-IEM	Structured Products
201300074	2023	REDI	5	M-CS	Research Experiments in Databases and Information Retrieval
201400171	2023	Capita Selecta Software Technology	5	M-CS	Capita Selecta Software Technology
201400172	2023	Industrial Software Engineering Project	10	M-CS	Industrial Software Engineering Project
201400177	2023	Cloud Networking	5	M-CS	Cloud Networking
201400225	2023	Software Evolution	5	M-CS	Software Evolution
201500026	2023	Cyber Risk Management (4TU)	5	M-CS	Cyber Risk Management (4TU)
201500027	2023	Security and Cryptography (4TU)	5	M-CS	Security and Cryptography (4TU)
201500028	2023	Economics of Security (4TU)	5	M-CS	Economics of Security (4TU)
201500030	2023	Fundamentals of Quantum Information 4TU	4	M-CS	Fundamentals of Quantum Information (4TU)
201500033	2023	Appl. Sec. Analysis "Hacking Lab" (4TU)	5	M-CS	Applied Security Analysis "Hacking Lab" (4TU)
201500036	2023	Software Testing Reverse Engineering 4TU	5	M-CS	Software Testing and Reverse Engineering (4TU)
201500037	2023	Cyber Data Analytics (4TU)	5	M-CS	Cyber Data Analytics (4TU)
201500038	2023	E-Law	5	M-CS	E-Law
201500039	2023	Security Verification	5	M-CS	Security Verification
201500040	2023	Introduction to Biometrics 4TU	5	M-EE	Introduction to Biometrics
201500041	2023	Cybersecurity Management	5	M-CS	Cybersecurity Management
201500042	2023	Privacy-Enhancing Technologies (4TU)	5	M-CS	Privacy-Enhancing Technologies (4TU)
201600016	2023	Quantum Cryptography (4TU)	5	M-CS	Quantum Cryptography (4TU)
201600040	2023	Requirements Engineering Processes	5	M-CS	Requirements Engineering Processes and Methods
201600051	2023	Software Security	5	M-CS	Software Security
201600070	2023	Machine Learning I	5	M-ITECH	Machine Learning I
201600071	2023	Machine Learning II	5	M-ITECH	Machine Learning II
201600074	2023	Natural Language Processing	5	M-ITECH	Natural Language Processing
201600075	2023	Speech Processing	5	M-ITECH	Speech Processing
201600076	2023	Foundations of Information Retrieval	5	M-ITECH	Foundations of Information Retrieval
201600083	2023	AP in Information Retrieval	5	M-ITECH	Advanced Project in Information Retrieval
201700073	2023	Ad-Hoc Networks	5	M-CS	Ad-Hoc Networks
201700074	2023	Internet Security	5	M-CS	Internet Security
201700075	2023	Internet of Things for EEMCS	5	M-CS	Internet of Things
201700077	2023	Advanced Networking	5	M-CS	Advanced Networking
201700079	2023	Blockchain and Distr. Ledger Technology	5	M-CS	Blockchain and Distributed Ledger Technology
201700080	2023	Information Theory and Statistics	5	M-CS	Information Theory and Statistics
201700081	2023	Probabilistic Programming	5	M-CS	Probabilistic Programming
201700083	2023	Security Services for IoT	5	M-CS	Security Services for the Internet of Things
201700086	2023	System Security	5	M-CS	System Security
201700119	2023	Business Development Lab I for EIT	5	M-CS	Business Development Lab I for EIT
201700120	2023	Business Development Lab II for EIT	5	M-CS	Business Development Lab II for EIT
201700196	2023	Advanced Discrete Event Simulation	5	M-IEM	Advanced Discrete Event Simulation
201700364	2023	Spatial Statistics	5	M-AM	Spatial Statistics
201800005	2023	Applied Statistical Learning	5	M-IEM	Applied Statistical Learning
201800177	2023	Deep Learning - From Theory to Practice	5	M-AM	Deep Learning - From Theory to Practice
201800179	2023	Model Driven Engineering for EngD	6	M-CS	Model Driven Engineering for EngD
201800524	2023	Research Topics EIT	4	M-CS	Research Topics EIT
201800525	2023	I&E Study EIT	6	M-CS	I&E Study EIT
201900082	2023	Graph Algorithms and Complexity	5	M-CS	Graph Algorithms and Complexity
201900097	2023	Machine learning in engineering	5	M-ME	Machine learning in engineering
201900098	2023	Uncertainty quantification & model reduc	5	M-ME	Uncertainty quantification and model reduction

201900124	2023 Capstone Cyber Security (4TU)	5 M-CS	Capstone Cyber Security: Social, Business, and Entrepreneurial Skills (4T
202000026	2023 Secure Cloud Computing	5 M-CS	Secure Cloud Computing
202000029	2023 Empirical and Design Science Research	5 M-BIT	Empirical and Design Science Research in Information Systems
202001171	2023 Calculus A for pre-masters	5 B-AM	Calculus A
202001186	2023 Functional Programming	5 B-TCS	Functional Programming
202001472	2023 STAR	5 M-CS	Software Testing and Risk Assessment
202001484	2023 Architecture of Inform. Systems EngD	6 M-BIT	Architecture of Information Systems for EngD
202001492	2023 Design Thinking for Serv. Bus. Innov.	5 M-IDE	Design Thinking for Service and Business Innovation
202001552	2023 Human Factors and Organization Design	5 M-IEM	Human Factors and Organizational Design in Socio-technical Systems
202001579	2023 Internet Measurements	5 M-CS	Internet Measurements
202100107	2023 Deep Learning for Medical Image Analysis	5 M-AM	Deep Learning for 3D Medical Image Analysis
202100108	2023 UQ & Data-driven Modeling	5 M-AM	Uncertainty Quantification & Data-driven Modeling
202100109	2023 Reinforcement Learning	5 M-AM	Reinforcement Learning
202100112	2023 Graphical Models and Causality	5 M-AM	Graphical Models and Causality
202100115	2023 Program Verification	5 M-CS	Program Verification (Software Science)
202100116	2023 Model Checking and Parity Games	5 M-CS	Model Checking and Parity Games (Software Science)
202100126	2023 Interactive Theorem Proving	5 M-CS	Interactive Theorem Proving
202100140	2023 Anatomy SDS	3 M-CS	Anatomy
202100141	2023 Exercise Physiology Training Performance	6 M-CS	Exercise Physiology, Training and Performance SDS
202100142	2023 Measuring Human Movement SDS	6 M-CS	Measuring Human Movement
202100143	2023 Simulation of Biomechanical Systems SDS	6 M-CS	Simulation of Biomechanical Systems SDS
202100144	2023 Concepts in Human Movement Sciences SDS	6 M-CS	Concepts in Human Movement Sciences
202100178	2023 I&E Basics: Innov. Mgt EIT	5 M-CS	I&E Basics: Innovation Management for EIT
202100226	2023 Reinforcement learning in Engineering	5 M-ME	Reinforcement learning in Engineering
202100244	2023 Pervasive Computing	5 M-CS	Pervasive Computing
202100258	2023 FAIR Principles and FAIRification	5 M-CS	FAIR Principles and the FAIRification process
202100263	2023 Linked Data and Semantic Web	5 M-CS	Linked Data and Semantic Web
202100272	2023 User-Centered Security (4TU)	5 M-CS	User-Centered Security (4TU)
202100291	2023 Ontology-Driven Conceptual Modeling	5 M-BIT	Ontology-Driven Conceptual Modeling with Applications
202200104	2023 Control System Design for Robotics	5 M-ROB	Control System Design for Robotics
202200149	2023 eHealth Technology	5 M-HS	eHealth Technology for Remote Patient Monitoring and Decision- makir
202200159	2023 Embedded AI	5 M-EMSYS	Embedded Artificial Intelligence
202200251	2023 Capita Selecta DST	2 M-CS	Capita Selecta DST
202200373	2023 Electromyography SDS	6 M-CS	Electromyography
202300044	2023 Cyber Risk Management	5 M-CS	Cyber Risk Management
202300045	2023 Security and Cryptography	5 M-CS	Security and Cryptography
202300046	2023 PET bootcamp	5 M-CS	Privacy Enhancing Technologies bootcamp
202300047	2023 Cyber Data Analytics	5 M-CS	Cyber Data Analytics
202300064	2023 Simulation	5 M-IEM	Simulation
202300066	2023 5G/6G ComSens	5 M-EE	5G/6G Communication and Sensing Channels
202300078	2023 Embedded Computer Architectures 1	5 M-EMSYS	Embedded Computer Architectures 1
202300099	2023 Instrumentation for Embedded Systems	5 M-EMSYS	Instrumentation for Embedded Systems
202300100	2023 Wireless Communication Systems	5 M-EE	Wireless Communication Systems
202300101	2023 Software Engineering Techniques	5 M-CS	Software Engineering Techniques
202300109	2023 Quantitative Evaluation of Systems	5 M-CS	Quantitative Evaluation of Systems
202300200	2023 Data Science	5 M-CS	Data Science
202300201	2023 Data Science - Additional Topics	5 M-CS	Data Science - Additional Topics
202300219	2023 System Validation for EngD	6 M-CS	System Validation for EngD
202300336	2023 Explainable AI	5 M-CS	Explainable AI