

Master's Degree in Computing Sciences, Data Science

Some course units from Studies in Computational Data Analytics and Studies in Statistical Data Analytics will no longer be available after July 31, 2024. It is possible to complete Advanced Studies in Data Science from the remaining courses according to the 2021-2024 curriculum. If the student has problems completing their studies according to the 2021-2024 curriculum, it is recommended to transfer to Master's Programme in Computing Sciences and Electrical Engineering and follow the 2024-2027 curriculum.

CS-M10 Joint Studies in the Master's Degree Programme in Computing Sciences		
Curriculum period 2021-2024	Curriculum period 2024-2027	Description
COMP.CS.006 Orientation	ITC.CEE.100 Orientation to Master's Studies and Professional Life	equivalent courses, only one can be included in the degree

DATA-S20 Advanced Studies in Data Science		
Curriculum period 2021-2024	Curriculum period 2024-2027	Description
DATA.ML.200 Pattern Recognition and Machine Learning	DATA.ML.200 Deep Learning	new name
DATA.ML.210 Machine Learning Algorithms		no longer available
DATA.ML.320 Knowledge Mining and Big Data		no longer available but can still be studied in the academic year 2024-2025.
DATA.ML.340 Data Mining: Preprocessing and Modelling		no longer available
DATA.ML.350 Neurocomputing		no longer available
DATA.ML.380 Big Data Entity Resolution		no longer available
DATA.ML.420 Spatial Data Analysis		no longer available
DATA.STAT.720 Introduction to Bayesian Analysis 1	DATA.STAT.720 Introduction to Bayesian Analysis	new name
DATA.STAT.730 Introduction to Bayesian Analysis 2	DATA.STAT.730 Bayesian Modeling and Computation	new name
DATA.STAT.740 Statistical Modeling 1	DATA.STAT.740 Statistical Modeling	new name
DATA.STAT.750 Statistical Modeling 2	DATA.STAT.750 Clustered Data Models	new name
DATA.STAT.790 Advanced Regression Methods	DATA.STAT.791 Topics in Statistical Data Analytics	
DATA.STAT.810 Statistical Inference 2		no longer available
DATA.STAT.910 Master's Thesis, Computational and Statistical Data Analytics	COMP.920 Master's Thesis, Computer Sciences	
DATA.810 Master's Thesis Seminar, Data Science & Statistical Data Analytics	ITC.CEE.800 Tools for theses	You can replace DATA.810 Master's Thesis Seminar with ITC.CEE.800 Tools for theses in your Advanced Studies until 31.7.2026.

Master's Degree in Computing Sciences, Statistical Data Analytics

Some course units from Studies in Computational Data Analytics and Studies in Statistical Data Analytics will no longer be available after July 31, 2024. It is possible to complete Advanced Studies in Statistical Data Analytics from the remaining courses according to the 2021-2024 curriculum. If the student has problems completing their studies according to the 2021-2024 curriculum, it is recommended to transfer to Master's Programme in Computing Sciences and Electrical Engineering and follow the 2024-2027 curriculum.

CS-M10 Joint Studies in the Master's Degree Programme in Computing Sciences		
Curriculum period 2021-2024	Curriculum period 2024-2027	Description
COMP.CS.006 Orientation	ITC.CEE.100 Orientation to Master's Studies and Professional Life	equivalent courses, only one can be included in the degree

DATA-S21 Advanced Studies in Statistical Data Analytics		
Curriculum period 2021-2024	Curriculum period 2024-2027	Description
DATA.ML.200 Pattern Recognition and Machine Learning	DATA.ML.200 Deep Learning	new name
DATA.ML.210 Machine Learning Algorithms		no longer available
DATA.ML.320 Knowledge Mining and Big Data		no longer available but can still be studied in the academic year 2024-2025.
DATA.ML.340 Data Mining: Preprocessing and Modelling		no longer available
DATA.ML.350 Neurocomputing		no longer available
DATA.ML.380 Big Data Entity Resolution		no longer available
DATA.ML.420 Spatial Data Analysis		no longer available
DATA.STAT.720 Introduction to Bayesian Analysis 1	DATA.STAT.720 Introduction to Bayesian Analysis	new name
DATA.STAT.730 Introduction to Bayesian Analysis 2	DATA.STAT.730 Bayesian Modeling and Computation	new name
DATA.STAT.740 Statistical Modeling 1	DATA.STAT.740 Statistical Modeling	new name
DATA.STAT.750 Statistical Modeling 2	DATA.STAT.750 Clustered Data Models	new name
DATA.STAT.790 Advanced Regression Methods	DATA.STAT.791 Topics in Statistical Data Analytics	
DATA.STAT.810 Statistical Inference 2		no longer available
DATA.STAT.910 Master's Thesis, Computational and Statistical Data Analytics	DATA.STAT.910 Master's Thesis, Statistical Data Analytics	new name
DATA.810 Master's Thesis Seminar, Data Science & Statistical Data Analytics	DATA.STAT.900 Collaborative Research in Statistical Data Analytics	

Master's Degree in Computing Sciences, Human-Technology Interaction

There will be changes in the Human-Technology Interaction courses in the 2024-2027 curriculum. Compulsory courses of the Human-Technology Interaction specialization will be possible to complete according to the correspondence table.

Advanced courses from the 2024-2027 curriculum can be placed into the 2021-2024 Advanced Studies in Human-Technology Interaction module if the student has not completed the equivalent course previously.

CS-M11 Joint Studies in the Master's Degree Programme in Computing Sciences		
Curriculum period 2021-2024	Curriculum period 2024-2027	Description
COMP.CS.006 Orientation	ITC.CEE.100 Orientation to Master's Studies and Professional Life	equivalent courses, only one can be included in the degree

HTI-S02 Advanced Studies in Human-Technology Interaction		
Curriculum period 2021-2024	Curriculum period 2024-2027	Description
HTI.100 Human-Technology Interaction 1: Basics	HTI.100 Human-Technology Interaction: Basics	new name
HTI.110 Human-Technology Interaction 2: Design	HTI.110 User Interfaces and Human-Centred Design	new name
HTI.300 Usability Evaluation Methods	HTI.301 Evaluation Methods: Usability and User Experience	
HTI.800 Human-Technology Interaction Research and Innovation Project	HTI.800 Research and Innovation Project in Human-Technology Interaction	new name
HTI.450 User Experience: Design and Evaluation	HTI.301 Evaluation Methods: Usability and User Experience	
HTI.460 User Experience in Robotics	HTI.460 Social Robots: Design, Research and Interaction	new name
HTI.230 Human-Centered Product Development	SDL.520 Principles of Service Design	
HTI.310 Methods in Human-Centered Design	HTI.241 User Interface Design: Principles, Methods, and Tools OR HTI.311 User research methods	
HTI.380 Research methods in HTI	HTI.311 User research methods	
HTI.500 Multimodal Interaction	HTI.501 Multimodal Interaction Techniques and Applications	
HTI.510 Interaction Techniques	HTI.501 Multimodal Interaction Techniques and Applications	
HTI.560 Spoken, Conversational and Auditory Interaction	HTI.560 Conversational Interaction with Artificial Intelligence	new name
HTI.620 Forecasting and Data Analytics via Gamification		no longer available
COMP.CS.210 Creating Graphical User Interfaces		no longer available
HTI.920 M.Sc. Thesis in Human-Technology Interaction	COMP.920 Master's Thesis, Computer Sciences	

Master's Degree in Computing Sciences, Software, Web & Cloud

CS-M11 Joint Studies in the Master's Degree Programme in Computing Sciences		
Curriculum period 2021-2024	Curriculum period 2024-2027	Description
COMP.CS.006 Orientation	ITC.CEE.100 Orientation to Master's Studies and Professional Life	equivalent courses, only one can be included in the degree

COMP.SE-S20 Advanced Studies in Software, Web & Cloud		
Curriculum period 2021-2024	Curriculum period 2024-2027	Description
COMP.CS.140 Programming 3: Interfaces and Techniques	COMP.CS.115 Programming 3: Interfaces	Course content differs slightly. If you have completed COMP.CS.140 Programming 3: Interfaces and Techniques, you can't get credits from COMP.CS.115.
COMP.CS.500 Web Development 1: Programming	COMP.CS.500 Introduction to Full Stack Development	new name
COMP.SE.210 Large Scale Software Design	COMP.SE.210 Software Systems Architecture	new name
COMP.CS.510 Web Development 2 - Architecting	COMP.CS.510 Advanced web development: Back End	new name
COMP.CS.520 Advanced Web Front-ends	COMP.CS.520 Advanced Web Development: Front-end	new name
COMP.CS.130 Functional Programming I	COMP.CS.130 Functional Programming	new name
COMP.CS.340 Distributed Systems	COMP.CS.150 Functional Programming: Advanced Features and Distributed Computing	
DATA.ML.100 Introduction to Pattern Recognition and Machine Learning	DATA.ML.100 Introduction to Machine Learning	new name
DATA.ML.380 Big Data Entity Resolution		no longer available
COMP.500 Scientific Papers and Presentation		no longer available
COMP.520 Special Topics on Computing	ITC.CEE.300 Special Topics	
COMP.540 Research Methods for Industry		no longer available
COMP.CS.130 Functional programming 1	COMP.CS.130 Functional programming	new name
COMP.SE.600 Innovation project		no longer available
DATA.ML.100 Introduction to Pattern Recognition and Machine Learning	DATA.ML.100 Introduction to Machine Learning	new name
DATA.ML.380 Big Data Entity Resolution		no longer available

Master's Degree in Computing Sciences, MSc. Tech.

CSM01 Joint Studies in the Master's Degree Programme in Computing Sciences		
Curriculum period 2021-2024	Curriculum period 2024-2027	Description
ITC.CEE.200 Introduction to Graduate Studies	ITC.CEE.100 Orientation to Master's Studies and Professional Life	equivalent courses, only one can be included in the degree
TAU.OPN.120 Master's Thesis	ITC.OPN.930 Master's Thesis	If you have not yet completed the Master's thesis seminar and the Master's thesis, TAU.OPN.120 Master's Thesis should be updated for ITC.OPN.930 Master's thesis. Update ITC.CEE.800 Thesis Tools at the same time. In the 2024-2027 curriculum, the location of the thesis seminar will change from the Tools for Theses to Master's Thesis.
TST-01908 Master's Thesis Seminar	ITC.CEE.800 Tools for Theses	TST-01908 Master's Thesis Seminar transition period ends 31.7.2024. 1.8.2024 onwards, this course can no longer be completed and must be replaced by ITC.CEE.800 Tools for Theses.

COMP.SGN-S02 Advanced Studies in Signal Processing and Machine Learning		
Curriculum period 2021-2024	Curriculum period 2024-2027	Description
DATA.ML.100 Introduction to Pattern Recognition and Machine Learning	DATA.ML.100 Introduction to Machine Learning	new name
DATA.ML.200 Pattern Recognition and Machine Learning	DATA.ML.200 Deep Learning	new name
COMP.SGN.320 3D and Virtual Reality	COMP.SGN.320 3D and Extended Reality	new name
COMP.SGN.210 Signal Compression		no longer available
COMP.SGN.240 Advanced Signal Processing Laboratory		no longer available
DATA.ML.320 Knowledge Mining and Big Data		no longer available but can still be studied in the academic year 2024-2025.
MATH.APP.790 Topics in Mathematics		no longer available
AUT.710 Fundamentals of Mobile Robots	ROBO.710 Fundamentals of Mobile Robots	new course code