Note: this graphical overview is provided with reservation for changes and possible errors. Please always refer to the official definition of the programme found in the programme syllabus.
Choose One

DD2421 (7.5) Machine Learning

DD2424 (7.5) Deep Learning in Data Science

DD2437 (7.5) Artificial Neural Networks and Deep Architectures

DD2112 (7.5) Speech technology

DD2119 (7.5) Speech and Speaker Recognition

DD2140 (7.5) Multimodal Interaction and Interfaces

DD2418 (6.0) Language Engineering

DD2423 (7.5) Image Analysis and Computer Vision

DD2410 (7.5) Introduction to Robotics

Choose at least 7.5 credits

Figure 1: CSCS — Cognitive Systems
Choose One

DD2420 (7.5)  
Probabilistic Graphical Models

DD2424 (7.5)  
Deep Learning in Data Science

DD2421 (7.5)  
Machine Learning

DD2418 (6.0)  
Language Engineering

DD2476 (9.0)  
Search Engines and Information Retrieval Systems

DD2437 (7.5)  
Artificial Neural Networks and Deep Architectures

DD2430 (7.5)  
Project in Data Science

DD2434 (7.5)  
Machine Learning, Advanced Course

P3  Spring 2021

P4  Spring 2021

P1  Autumn 2021

P2  Autumn 2021

Figure 2: CSDA — Data Science
Choose at least 15.0 credits

- DH2400 (7.5) Physical Interaction Design and Realization
- DH2321 (6.0) Information Visualization
- DH2632 (3.0) Human-Computer Interaction, Research Seminars
- DH2642 (7.5) Interaction Programming and the Dynamic Web
- DH2628 (7.5) Interaction Design Methods
- DH2629 (7.5) Interaction Design as Reflective Practice
- DH2408 (6.0) Evaluation Methods in Human-Computer Interaction
- DT2140 (7.5) Multimodal Interaction and Interfaces
- DH2413 (9.0) Advanced Graphics and Interaction
- DM2630 (9.0) User Experience Design and Evaluation

Figure 3: CSID — Interaction Design
Figure 4: CSSC — Scientific Computing

Figure 5: CSSP — Security and Privacy
Choose two

DD2480 (7.5) Software Engineering Fundamentals
DD2481 (7.5) Principles of Programming Languages
DD2459 (7.5) Software Reliability
DD2481 (7.5) Principles of Programming Languages

DD2482 (7.5) Automated Software Testing and DevOps
DD2460 (7.5) Software Safety and Security
DD2443 (7.5) Parallel and Distributed Computing
DD2487 (7.5) Large-Scale Software Development
DD2528 (7.5) Dependable Autonomous Systems

Figure 6: CSST — Software Technology
Choose at least 7.5 credits

DD248 (7.5) Foundations of Cryptography
DD2457 (6.0) Program Semantics and Analysis
DD249 (7.5) Software Reliability
DD240 (7.5) Software Safety and Security
DD2372 (6.0) Automata and Languages
DD2448 (7.5) Foundations of Cryptography
DD2443 (7.5) Parallel and Distributed Computing
DD2442 (7.5) Seminars on Theoretical Computer Science
DD2445 (7.5) Complexity Theory
DD2452 (7.5) Formal Methods
DD2457 (6.0) Program Semantics and Analysis
DD2460 (7.5) Software Safety and Security
DD2372 (6.0) Automata and Languages
DD2372 (6.0) Automata and Languages
DD2448 (7.5) Foundations of Cryptography
DD2443 (7.5) Parallel and Distributed Computing
DD2442 (7.5) Seminars on Theoretical Computer Science
DD2445 (7.5) Complexity Theory
DD2452 (7.5) Formal Methods
DD2459 (7.5) Software Reliability

Figure 7: CSTC — Theoretical Computer Science
Choose at least 18.0 credits

DH2320 (6.0) Introduction to Visualization and Computer Graphics

DH2321 (6.0) Information Visualization

DH2323 (6.0) Computer Graphics and Interaction

DD2413 (9.0) Advanced Graphics and Interaction

DD2470 (6.0) Advanced Topics in Visualization and Computer Graphics

DD2257 (7.5) Visualization

Figure 8: CSVG — Visualization and Interactive Graphics