

MSc in Computer Science and Engineering 2022/2023

Courses listed in module order (Autumn = E... / Spring = F...)

02263	Formal Aspects of Software Engineering	5 ECTS	E1A
02289	Algorithmic Techniques for Modern Data Models §	5 ECTS	E1A
02209	Test of Digital Systems	5 ECTS	E1B
02232	Applied Cryptography	5 ECTS	E1B
02245	Program Verification §	7.5 ECTS	E1B
02242	Program Analysis §	7.5 ECTS	E2A
02203	Design of Digital Systems §	5 ECTS	E2B
02287	Logical Theories for Uncertainty and Learning	5 ECTS	E2B
02229	Systems Optimization	7.5 ECTS	E3A
02249	Computationally Hard Problems §	7.5 ECTS	E3A
02246	Model Checking §	7.5 ECTS	E4A
02223	Model-Based Systems Engineering	7.5 ECTS	E4B
02258	Parallel Computer Systems §	5 ECTS	E5A
02269	Process Mining	5 ECTS	E5A
02217	Design of Arithmetic Processors	5 ECTS	E5B
02239	Data Security	7.5 ECTS	E5B
02234	Current Topics in System Security	5 ECTS	E7

02266	User Experience Engineering	5 ECTS	January
02267	Software Development of Web Services	5 ECTS	January

02282	Algorithms for Massive Data Sets §	7.5 ECTS	F1A
02221	Foundations of Distributed Systems	5 ECTS	F1B
02204	Design of Asynchronous Circuits	5 ECTS	F2A
02244	Logic for Security	7.5 ECTS	F2A
02247	Compiler Construction §	5 ECTS	F2B
02205	VLSI Design	5 ECTS	F3A
02268	Process-Oriented and Event-Driven Software Systems	5 ECTS	F3A
02211	Advanced Computer Architecture	5 ECTS	F4A
02233	Network Security	5 ECTS	F4A
02285	Artificial Intelligence and Multi-Agent Systems	7.5 ECTS	F4A
02256	Automated Reasoning §	5 ECTS	F4B
02291	System Integration	5 ECTS	F5A
02224	Modelling and Analysis of Real-Time Systems	5 ECTS	F5B
02255	Modern Cryptology	5 ECTS	F5B

02238	Biometric Systems	5 ECTS	June
02257	Applied Functional Programming	5 ECTS	June

§ With external examiner All courses with 7 step scale evaluation

Supplementary Information: <https://cse.compute.dtu.dk>