



Leiden University BSc courses in Computer Science	ECTS (1 ECTS = 28 hours of study)
Algorithmics	6
Databases	6
Fundamentals of Digital Systems Design	6
Introduction to Logic	6
Introduction to Programming (Java, C++, Python)	6
Advanced Programming Techniques (C++, Java)	6
Elements of Discrete Mathematics	6
Analysis	6
Linear Algebra	6
Concepts of Programming Languages	6
Computer Architecture	6
Introduction to Automata Theory	6
Operating Systems	6
Statistics	6
Security	6
Artificial intelligence	6
Data structures	6
Turing Machines (Theory of computations)	3
Complexity	6
Software Engineering	6
Computer Graphics	6
Data Mining	6
Theory of Concurrency	6
Compiler construction	6
Computational Linguistics	6
Computer Graphics	6
Computer Networks	6
Introduction to Data Science	6
Human Computer Interaction & Information Visualization	6
Introduction to Video Game Making	6
Natural Computing	6
Program Correctness	6
Requirements Engineering	6