

Courses to be included in the Computer Science Exit Exam

A computer science graduate should take 52 courses to graduate, according to the current curriculum. However, including all courses in the competency and exit examination is unrealistic. To that end, the following courses were chosen from among all available options for the competency and exit examination.

List of selected Courses

No	Course Name	ECTS
1	Computer Programming	5
2	Database Systems ¹	10
3	Object Oriented Programming	5
4	Computer organization and Architecture	5
5	Data Communication and Computer Networking	5
6	Data Structures and Algorithms	5
7	Web programming	7
8	Operating System	5
9	Software Engineering	5
10	Design and Analysis of Algorithms	5
11	Introduction to Artificial Intelligence	5
12	Computer Security	5
13	Network and System Administration	5
14	Automata and Complexity Theory	5
15	Compiler Design	5
Total		82

Courses organized into themes

Theme	Courses
System Development	Software Engineering
	Web Programming
	Database Systems
Programming and Algorithms	Computer Programming
	Object Oriented Programming
	Design and Analysis of Algorithms
	Data Structure and Algorithms
Computer Networking and Security	Data Communication and Computer Networking
	Computer Security
	Network and System Administration
Intelligent Systems	Introduction to Artificial Intelligence
Computer Architecture and Operating Systems	Operating System
	Computer organization and architecture
Compiler and Complexity	Automata and Complexity Theory
	Compiler Design