

Code	Name	Unit	Level	Prerequisites	ECTS	Content	Assessment	Remarks
1	Introduction to Computer Science	CS101	1		3	Computer systems, data representation, algorithms, programming, problem solving.	Exam, assignments	
2	Discrete Mathematics	CS102	1		3	Logic, set theory, combinatorics, graph theory, induction, recursion.	Exam, assignments	
3	Linear Algebra	CS103	1		3	Vector spaces, linear transformations, eigenvalues, eigenvectors.	Exam, assignments	
4	Calculus	CS104	1		3	Differentiation, integration, applications of calculus.	Exam, assignments	
5	Probability and Statistics	CS105	1		3	Probability distributions, random variables, statistical inference.	Exam, assignments	
6	Computer Organization	CS106	1		3	Computer architecture, instruction set architecture, CPU, memory hierarchy.	Exam, assignments	
7	Operating Systems	CS107	1		3	Process management, file systems, device drivers, system calls.	Exam, assignments	
8	Networks	CS108	1		3	Network models, protocols, routing, switching, security.	Exam, assignments	
9	Database Systems	CS109	1		3	Relational databases, SQL, normalization, query processing.	Exam, assignments	
10	Artificial Intelligence	CS110	1		3	Search algorithms, knowledge representation, expert systems, machine learning.	Exam, assignments	
11	Mobile Computing	CS111	1		3	Mobile devices, mobile applications, mobile networks, security.	Exam, assignments	
12	Cloud Computing	CS112	1		3	Cloud models, cloud services, cloud architecture, security.	Exam, assignments	
13	Big Data	CS113	1		3	Big data challenges, data storage, data processing, data analysis.	Exam, assignments	
14	Blockchain	CS114	1		3	Blockchain technology, distributed ledger, consensus algorithms.	Exam, assignments	
15	Quantum Computing	CS115	1		3	Quantum mechanics, quantum algorithms, quantum computing applications.	Exam, assignments	
16	Computer Graphics	CS116	1		3	Computer graphics pipeline, 2D and 3D graphics, rendering.	Exam, assignments	
17	Human-Computer Interaction	CS117	1		3	User-centered design, usability, user interface design, interaction design.	Exam, assignments	
18	Software Engineering	CS118	1		3	Software development process, software requirements, software testing.	Exam, assignments	
19	Formal Languages and Automata	CS119	1		3	Formal languages, automata theory, computability theory.	Exam, assignments	
20	Compiler Design	CS120	1		3	Compiler components, lexical analysis, parsing, code generation.	Exam, assignments	
21	Security	CS121	1		3	Cryptography, network security, security protocols, security attacks.	Exam, assignments	
22	Biometrics	CS122	1		3	Biometric authentication, facial recognition, fingerprint recognition.	Exam, assignments	
23	Augmented Reality	CS123	1		3	Augmented reality applications, AR development, AR hardware.	Exam, assignments	
24	Virtual Reality	CS124	1		3	Virtual reality applications, VR development, VR hardware.	Exam, assignments	
25	Internet of Things	CS125	1		3	IoT applications, IoT protocols, IoT security, IoT architecture.	Exam, assignments	
26	Edge Computing	CS126	1		3	Edge computing applications, edge computing protocols, edge computing security.	Exam, assignments	
27	5G Networks	CS127	1		3	5G network architecture, 5G network protocols, 5G network security.	Exam, assignments	
28	6G Networks	CS128	1		3	6G network architecture, 6G network protocols, 6G network security.	Exam, assignments	
29	Space Computing	CS129	1		3	Space computing applications, space computing protocols, space computing security.	Exam, assignments	
30	Autonomous Systems	CS130	1		3	Autonomous systems applications, autonomous systems protocols, autonomous systems security.	Exam, assignments	
31	Autonomous Vehicles	CS131	1		3	Autonomous vehicles applications, autonomous vehicles protocols, autonomous vehicles security.	Exam, assignments	
32	Autonomous Drones	CS132	1		3	Autonomous drones applications, autonomous drones protocols, autonomous drones security.	Exam, assignments	
33	Autonomous Robots	CS133	1		3	Autonomous robots applications, autonomous robots protocols, autonomous robots security.	Exam, assignments	
34	Autonomous Systems	CS134	1		3	Autonomous systems applications, autonomous systems protocols, autonomous systems security.	Exam, assignments	
35	Autonomous Vehicles	CS135	1		3	Autonomous vehicles applications, autonomous vehicles protocols, autonomous vehicles security.	Exam, assignments	
36	Autonomous Drones	CS136	1		3	Autonomous drones applications, autonomous drones protocols, autonomous drones security.	Exam, assignments	
37	Autonomous Robots	CS137	1		3	Autonomous robots applications, autonomous robots protocols, autonomous robots security.	Exam, assignments	
38	Autonomous Systems	CS138	1		3	Autonomous systems applications, autonomous systems protocols, autonomous systems security.	Exam, assignments	
39	Autonomous Vehicles	CS139	1		3	Autonomous vehicles applications, autonomous vehicles protocols, autonomous vehicles security.	Exam, assignments	
40	Autonomous Drones	CS140	1		3	Autonomous drones applications, autonomous drones protocols, autonomous drones security.	Exam, assignments	
41	Autonomous Robots	CS141	1		3	Autonomous robots applications, autonomous robots protocols, autonomous robots security.	Exam, assignments	
42	Autonomous Systems	CS142	1		3	Autonomous systems applications, autonomous systems protocols, autonomous systems security.	Exam, assignments	
43	Autonomous Vehicles	CS143	1		3	Autonomous vehicles applications, autonomous vehicles protocols, autonomous vehicles security.	Exam, assignments	
44	Autonomous Drones	CS144	1		3	Autonomous drones applications, autonomous drones protocols, autonomous drones security.	Exam, assignments	
45	Autonomous Robots	CS145	1		3	Autonomous robots applications, autonomous robots protocols, autonomous robots security.	Exam, assignments	
46	Autonomous Systems	CS146	1		3	Autonomous systems applications, autonomous systems protocols, autonomous systems security.	Exam, assignments	
47	Autonomous Vehicles	CS147	1		3	Autonomous vehicles applications, autonomous vehicles protocols, autonomous vehicles security.	Exam, assignments	
48	Autonomous Drones	CS148	1		3	Autonomous drones applications, autonomous drones protocols, autonomous drones security.	Exam, assignments	
49	Autonomous Robots	CS149	1		3	Autonomous robots applications, autonomous robots protocols, autonomous robots security.	Exam, assignments	
50	Autonomous Systems	CS150	1		3	Autonomous systems applications, autonomous systems protocols, autonomous systems security.	Exam, assignments	