



Study Plan

B.Sc. Computer Science

Specialization: Computer Systems and Networks

Faculty of Electronics and Information Technology

Study plan for reference only; may be subject to change.

The first two years are common for students for two specializations: Computer Systems and Networks and Telecommunications.

The first year provides a broad foundation in mathematics, physics and computer programming, and offers an introductory course in Computer Science / Telecommunications (Information and Communications Technology – ICT). The second year offers more mathematics and fundamental ICT classes, emphasizing circuits, analog and digital electronics, signals and systems.

During the third year and the final year most courses are associated with a particular specialization. The last year of studies also includes Senior Design Project - a course in which the student, under the supervision of his/her advisor, works individually on a practical engineering problem.

Semesters: Courses	1	2	3	4	5	6	7	8
Mathematics	12	6	6	6				
Physics	6	6						
Algorithms & Programming	6	6	6	6				
Circuits & Systems		6	6	6	6			
Computer Systems			6		6	12		
Telecommunications				6	12	6		
Non-ICT Electives *	3	3	3	3			3	3
Language	3	3	4	2				
Physical Education	0	0	0	0				
B.Sc. Diploma Project & Seminar							3	15
Languages, Automata and Computation					6			
Operating Systems						6		
Graphical User Interfaces						6		
Data Bases							6	

Study Plan B.Sc. Computer Science (Spec. Computer Systems and Networks)

Cryptography and Information Security	6
Software Engineering	6
Computer Graphics	6
Compiling Techniques	6
Introduction to Artificial Intelligence	6
Σ	30 30 31 29 30 30 30 30

* Non-ICT Electives:

Academic Writing

Culture & Tradition

Ethical Aspects of Research and Engineering

Institutions of Democracy

Introduction to Sociology

Orientation

Presentation Techniques

Small Business

Ethical Aspects of Research and Engineering