



Study Plans - English

Major : Computer Science / Bachelor

Faculty : Faculty of Engineering & Technology

Plan Hrs : 127

Min Semester : 7

Max Semester : 16

Plan Semester : 20241

Section : Computer Science

Plan Type : Major

Training : Not Found

Edition : 1

Thesis Type : Nothing

Semester(s)

Study Type: Morning

Category : University Requirements

Hrs : (17) Hrs

Group : Compulsory

Hrs : (17) Hrs

course	Course Name	Hrs	Prerequisite Courses	Prerequisit Hrs
UR00101	Arabic Language	3		
UR00111	English Language I	3		
UR00112	English Language II	3		
UR00121	Culture & civilization	3		
UR00122	Palestinian Studies	3		
UR00131	Computer Skills	1		
UR00141	Leadership and Communication Skills	1		

Category : College Requirements

Hrs : (22) Hrs

Group : Compulsory

Hrs : (22) Hrs

course	Course Name	Hrs	Prerequisite Courses	Prerequisit Hrs
ETBS101	Calculus I	3		
ETBS102	Calculus II	3		
ETBS111	General Physics I	3		
ETBS112	General Physics II	3		
ETBS113	.Physics Lab	1		
ETCS101	Computer programming I	3		
ETCS102	Computer programming II	3	((ETCS101 (Pre)	
ETCS210	Linear Algebra	3		

Category : Compulsory Major Requirements

Hrs : (76) Hrs

Group : Compulsory

Hrs : (76) Hrs

course	Course Name	Hrs	Prerequisite Courses	Prerequisit Hrs
ETCS201	Discrete Mathematics	3		
ETCS212	Statistics & Probability	3		
ETCS222	Numerical analysis	3		

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Category Compulsory Major Requirements

Hrs : (76) Hrs

Group Compulsory

Hrs : (76) Hrs

course	Course Name	Hrs	Prerequisite Courses	Prerequisit Hrs
ETCS223	Graph Theory	3		
ETCS224	Logic Circuits	3		
ETCS226	Web Development	3		
ETCS227	Data Structures	3		
ETCS229	Database systems	3		
ETCS301	Design and analysis of Algorithms	3		
ETCS302	Objected Oriented Programming	3		
ETCS303	Software Engineering	3		
ETCS312	Artificial Intelligence	3		
ETCS313	Operating Systems	3		
ETCS314	Computer Networks	3		
ETCS323	Introduction to Data Science	3		
ETCS325	Mobile Applications	3		
ETCS327	Foundations of Cybersecurity	3		
ETCS333	Web Security	3		
ETCS401	Introduction to Machine Learning	3		
ETCS402	Cryptography & Computer Security	3		
ETCS403	Machine Learning for Cybersecurity	3		
ETCS404	Cloud Computing and Security	3		
ETCS405	Ethical Hacking and Penetration Testing	3		
ETCS433	Field Training	0		
ETCS434	Blockchain Technology & Security	3		
ETCS490	Graduation Project I	1		
ETCS491	Graduation Project II	3		

Category : Elective Major Requirements

Hrs : (12) Hrs

Group : Elective

Hrs : (12) Hrs

course	Course Name	Hrs	Prerequisite Courses	Prerequisit Hrs
ETCS430	Network Performance Analysis	3		
ETCS431	Secure Software Development	3		
ETCS432	Database Security	3		
ETCS435	Software Reverse Engineering	3		
ETCS436	Special Topics in C.S	3		
ETCS437	Image Processing	3		
ETCS438	Information Systems Security Assessment	3		
ETCS439	Cyber Laws	3		