

KHAZAR UNIVERSITY
Information Security B.S. Program

1st Year

CODE	Fall Semester	KU	ECTS	Prerequisite
MATH101	Calculus-1	3	6	
INS105	Fundamentals of Information Security	3	6	
CMS140	Fundamentals of Programming	3	6	
ENGL101	English Foundations-1	4	8	
AZLL110	Business and Academic Communication in Azerbaijani Language	3	6	
	Credit	16	32	

CODE	Spring Semester	KU	ECTS	Prerequisite
MATH105	Calculus-2	3	6	
	Fundamentals of Computer Networks	3	6	
	Fundamentals of Cybersecurity	3	6	
ENGL102	English Foundations-2	4	8	ENGL101
AZH150	Azerbaijan History	3	6	
AZC 202	Azerbaijan Culture	2	4	
	Credit	18	36	

2nd Year

CODE	Fall Semester	KU	ECTS	Prerequisite
MATH 231	Linear Algebra	3	6	
CMS 362	Operating Systems	3	6	
	Web Security	3	6	
ENGL 216	ESP	3	6	ENGL102
	Humanities-1	3	6	
	Credit	15	30	

CODE	Spring Semester	KU	ECTS	Prerequisite
	Legal Foundations of Information Security and Cybersecurity	3	6	
MATH 312	Discrete Mathematics	3	6	
	Information Security Management System	3	6	
	Major Elective-1	3	6	
	Humanities-2	3	6	
	Credit	15	30	

3rd Year

CODE	Fall Semester	KU	ECTS	Prerequisite
MATH 217	Probability Theory	3	6	
	Fundamentals of Cryptography	3	6	
	Network Security	3	6	
	Major Elective-2	3	6	
	Social Sciences-1	3	6	
	Credit	15	30	

CODE	Spring Semester	KU	ECTS	Prerequisite
	Fundamentals of Penetration Testing	3	6	
	Cloud Security	3	6	
	Database Security	3	6	
	Major Elective-3	3	6	
	Social Sciences-2	3	6	
	Credit	15	30	

CODE	Summer Semester	KU	ECTS	Prerequisite
	Internship	6	12	
	Credit			

4th Year

CODE	Fall Semester	KU	ECTS	Prerequisite
	Secure Programming	3	6	
	Fundamentals of Digital Forensics	4	8	
MED315	Life Science	3	6	
	Major Elective-4	3	6	
	Major Elective-5	3	6	
	Credit	16	32	

CODE	Spring Semester	KU	ECTS	Prerequisite
	Security of Electronics and IoT Devices	3	6	
	Security of Industrial Control Systems	3	6	
	Major Elective-6	3	6	
	Major Elective-7	3	6	
	Credit	12	24	

