

**050615 Information Security**  
(Specialty code and title)

**ACADEMIC SCHEDULE**  
(For the Bachelor's level)

Form 2

N	Subject code	Subject name	Credits number	Prerequisite (course code of subjects required to be taken)	Corequisite (course intended to be taken concurrently)	ntended semester of course (fall or spring)
<b>I academic year</b>						
1	ÜF-B01	History of Azerbaijan	5		-	fall-1
2	ÜF-B02.01	Business and academic communication in a foreign language -1	7		-	fall-1
3	İF-BO1	<i>Basics of Information Security</i>	6		-	fall-1
4	İF-BO2	<i>Basics of Programming –</i>	6		-	fall-1
5	İF-BO3	Calculus	6		-	fall-1
6	ÜF – B03	Business and academic communication in the Azerbaijani language	4			spring-2
7	ÜF-B02.02	Business and academic communication in a foreign language -2	8	ÜF-B02.01	-	spring-2
8	İF-BO4	Basics of Cybersecurity	6		-	spring-2
9	İF-BO5	Basics of Networks	6		-	spring-2
10	İF-BO6	Linear Algebra	6		-	spring-2
<b>II academic year</b>						
11	İF-BO7	Operating Systems	5		-	fall-3
12	İF-BO8	Network Security	5		-	fall-3
13	İF-BO9	Discrete Mathematics	5			fall-3
14	ATMF-BO1	<b>I block:</b> 1. Algorithm Design and Analysis 2. System Design	6			fall-3
15	ATMF-BO2	<b>II block:</b> 1.Z Security of Corporate Network (Information) Systems 2.Malware Analysis	5		-	fall-3
16	ATMF-BO3	<b>III block:</b> 1.Social Network Analysis 2.Social Engineering	4		-	Fall-3
17	İF-B10	Web security	5		-	spring-4
18	İF-B11	Probability Theory	5		-	spring-4

19	İF-B12	Legal aspects of information security and cybersecurity	5		-	spring-4
20	ATMF-BO4	<b>IV block:</b> 1. System Programming 2. C Programming Language	5		-	spring-4
21	ATMF-BO5	<b>V block:</b> 1. Cloud Technologies 2. IT Project Management	5			spring-4
22	ATMF-BO6	VI block 1. Database Management Systems 2. Microservices Architecture 3. Cyber Risk Managemen	5		-	spring-4
<b>III academic year</b>						
23	ÜFS-B04	<b>First block</b> 1. Psychology 2. Sociology 3. Fundamentals of Law 4. Engineering Ethics	3		-	fall-5
24	İF-B13	Information security management systems	5		-	Fall 5
25	İF-B14	Database security	5		-	fall-5
26	İF-B15	Cloud security	5		-	Fall 5
27	İF-B22	Civil Defense	3		-	fall-5
28	ATMF-BO7	<b>VII block:</b> 1. Machine Learning 2. Fundamentals of digital image and video processing	4		-	fall-5
29	ATMF-BO8	<b>VIII block:</b> 1. Graph Theory 2. Security of Mobile and Wireless Devices	5		-	fall-5
30	ÜFS-B05	<b>Second block</b> 1. Critical Thinking 2. T Fundamentals of Entrepreneurship and Business Introduction 3. Education and Career Planning	3		-	spring-6
31	İF-B16	Basics of cryptography	5		-	spring-6
32	İF-B17	Penetration testing	8		-	spring-6
33	İF-B18	Basic of electronics and IoT security	5			spring-6
34	ATMF-BO9	<b>IX block:</b> 1. Programming for Mobile Devices 2. Web Programming	4			spring-6
35	ATMF-B10	<b>X block:</b> 1. Applied Statistics and Data Analytics 2. Parallel and Distributed Computing	5			spring-6
<b>IV academic year</b>						
36	İF-B19	Secure programming	5		-	fall--7
37	İF-B20	Digital Forensics fundamentals	8		-	fall--7
38	İF-B21	Security of industrial management systems	5		-	fall--7
39	ATMF-B11	<b>XI block:</b> 1. Security of VoIP Systems 2. Blockchain Technologies	4		-	fall--7

40	ATMF-B12	<b>XII block:</b> 1. Security Equipments 2. Fundamentals of Data Center Operations	4		-	fall-7
41	ATMF-B13	<b>XIII block:</b> 1. Digital Transformation 2. Corporate Network (Information Systems) Security	4			fall--7
42		<i>Practice</i>	30		-	<b>Spring-8</b>

**Approved:**

“ \_\_\_\_\_ ” head of department  
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**Finalized:**

“ \_\_\_\_\_ ” dean of faculty  
\_\_\_\_\_

**Director of the Center for Teaching Organization and Management:** \_\_\_\_\_ Piri Akhundov

\_\_\_\_\_.\_\_\_\_\_ **2023**