

COURSE STRUCTURE

2025-10601 Information security (EN) Bachelor

1					
No	Course code	Title	Th	Pr	Ects
1	INFS 103	Fundamentals of information security	2	2+0	6
2	IT 127	Fundamentals of programming	2	2+0	6
3	XXX XXX	[NAE] Foreign language I	0	6+0	5
4	XXX XXX	[NAE] Foreign language II	0	6+0	5
5	XXX XXX	[NAE] Non area elective course I #1	1	1+0	3
6	XXX XXX	[AE] Area elective course I #2	2	2+0	5
Subtotal: 30					

2					
No	Course code	Title	Th	Pr	Ects
1	MATH 221	Linear Algebra	2	2+0	6
2	INFS 106	Fundamentals of cyber security	2	2+0	6
3	INFS 104	Fundamentals of networks	2	2+0	6
4	XXX XXX	[NAE] Non area elective course II #4	1	1+0	3
5	XXX XXX	[NAE] Foreign language III	0	6+0	5
6	XXX XXX	[AE] Area elective course II #3	2	2+0	4
Subtotal: 30					

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№	Course code	Title	Th	Pr	Ects
1	INFS 203	Security of networks	2	2+0	5
2	MATH 164	Mathematical analysis	2	2+0	6
3	MATH 279	Discrete Mathematics	2	1+0	5
4	COMP 325	Operating Systems	2	2+0	5
5	XXX XXX	[AE] Area elective course III #5	2	2+0	5
6	XXX XXX	[AE] Area elective course IV #6	2	2+0	4

Subtotal: 30

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№	Course code	Title	Th	Pr	Ects
1	AZD 140	Official and Academic Communication in the Azerbaijani language	0	2+0	4
2	LAW 242	Legal basis of information security and cyber security	2	2+0	5
3	TRX 111	History of Azerbaijan	2	2+0	5
4	MM 120	Civil Defence	3	0+0	3
5	MINF 212	Probability theory	2	1+0	5
6	INFS 202	Web security	2	2+0	5
7	XXX XXX	[AE] Area elective course V #7	2	1+0	3

Subtotal: 30

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№	Course code	Title	Th	Pr	Ects
1	INFS 303	Information security management systems	2	2+0	5
2	INFS 307	Cloud security	2	2+0	5
3	INFS 305	Security of databases	2	2+0	5
4	XXX XXX	[AE] Area elective course VII #9	2	2+0	6
5	XXX XXX	[AE] Area elective course VIII #10	2	2+0	6
6	XXX XXX	[AE] Area elective course VI #8	2	2+0	3

Subtotal: 30

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№	Course code	Title	Th	Pr	Ects
1	INFS 306	Fundamentals of cryptography	2	2+0	5
2	INFS 308	Fundamentals of electronics and IoT security	2	2+0	5
3	INFS 318	Fundamentals of penetration testing	2	2+2	8
4	XXX XXX	[AE] Area elective course X #12	2	2+0	6
5	XXX XXX	[AE] Area elective course IX #11	2	2+0	6

Subtotal: 30

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№	Course code	Title	Th	Pr	Ects
1	INFS 407	Security of industrial management systems	2	2+0	5
2	INFS 403	Fundamentals of Digital Criminalistics	4	2+0	8
3	INFS 401	Safe programming	2	2+0	5
4	XXX XXX	[AE] Area elective course XI #13	2	2+0	6
5	XXX XXX	[AE] Area elective course XII #14	2	2+0	6

Subtotal: 30

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№	Course code	Title	Th	Pr	Ects
1	INFS 480	Internship	0	0+0	30

Subtotal: 30

Total ECTS credits: **240**

AE - Area Elective Courses

№	Course code	Title	Th	Pr	Ects
1	IT 109	Web programming	2	2+0	5
2	INFS 107	Security hardware	2	2+0	5
3	INFS 116	Malware security	2	2+0	4
4	IT 132	C programming language	2	2+0	4
5	INFS 217	Database	2	2+0	5
6	INFS 219	Database systems	2	2+0	5
7	INFS 213	Cloud technology	2	2+0	4
8	INFS 215	Data analytics and fundamentals of statistics	2	2+0	4

