

COURSE STRUCTURE

2025-10106 Information Technologies (EN) Bachelor

1					
No	Course code	Title	Th	Pr	Ects
1	IT 120	Fundamentals of Programming-1	2	2+0	6
2	IT 117	Fundamentals of information technology	2	2+2	8
3	XXX XXX	[AE] Area elective course I #2	1	1+0	3
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	[NAE] Foreign language I	0	6+0	5
Subtotal: 30					

2					
No	Course code	Title	Th	Pr	Ects
1	CENG 104	Web systems and technologies	2	2+1	7
2	TRX 111	History of Azerbaijan	2	2+0	5
3	PHYS 202	Physicis	2	2+0	5
4	XXX XXX	[NAE] Foreign language III	0	6+0	5
5	XXX XXX	[AE] Area elective course II #3	2	2+0	8
Subtotal: 30					

3

№	Course code	Title	Th	Pr	Ects
1	MATH 275	Discrete mathematics	2	1+0	3
2	CENG 209	Multimedia technologies	2	2+0	6
3	MATH 284	Mathematical analysis	3	2+0	7
4	AZD 140	Official and Academic Communication in the Azerbaijani language	0	2+0	4
5	XXX XXX	[NAE] Non area elective course II #5	2	0+0	3
6	XXX XXX	[AE] Area elective course III #4	2	2+1	7

Subtotal: 30

4

№	Course code	Title	Th	Pr	Ects
1	CENG 208	Data Structures and Algorithms	2	2+1	7
2	MATH 235	Differential equations	2	1+0	3
3	MM 120	Civil Defence	3	0+0	3
4	IT 453	Artificial intelligence	2	2+0	6
5	MATH 136	Linear algebra and analytic geometry	2	1+0	3
6	CENG 210	Computer architecture	2	2+2	8

Subtotal: 30

5

№	Course code	Title	Th	Pr	Ects
1	IT 317	Modern Programming Languages- 1	2	2+0	6
2	COMP 381	Database systems	2	2+1	7
3	XXX XXX	[AE] Area elective course V #7	2	2+0	6
4	XXX XXX	[AE] Area elective course IV #6	2	2+0	5
5	XXX XXX	[AE] Area elective course VI #8	2	2+0	6

Subtotal: 30

6

№	Course code	Title	Th	Pr	Ects
1	MINF 461	Probability theory and mathematical statistics	2	1+0	3
2	COMP 333	Computer networks	2	2+2	8
3	COMP 326	Operating Systems	2	2+0	6
4	INFS 326	Information security	2	2+0	6
5	XXX XXX	[AE] Area elective course VII #9	2	2+1	7

Subtotal: 30

7

№	Course code	Title	Th	Pr	Ects
1	CENG 401	Human-computer interface	3	2+0	7
2	IT 483	IT project management	2	2+0	5
3	XXX XXX	[AE] Area elective course VIII #10	2	2+0	6
4	XXX XXX	[AE] Area elective course IX #11	2	2+0	6
5	XXX XXX	[AE] Area elective course X #12	2	2+0	6

Subtotal: 30

8

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

Subtotal: 30

Total ECTS credits: **240**

AE - Area Elective Courses

№	Course code	Title	Th	Pr	Ects
1	ECON 156	Engineering economics	1	1+0	3
2	BA 250	Fundamentals of management	1	1+0	3
3	MATH 176	Numerical analysis	2	2+0	8
4	IT 124	Basics of programming- 2	2	2+0	8
5	IT 229	Object Oriented Programming	2	2+1	7
6	CS 217	Mathematical programming	2	2+1	7
7	CENG 301	Graphic design	2	2+0	5
8	COMP 468	Computer Aided Design	2	2+0	5
9	IT 319	Mobile application development- 1	2	2+0	6
10	IT 337	Introduction to multi-platform programming	2	2+0	6
11	CENG 303	Computer modeling	2	2+0	6

