

**Western Caspian University**

**FACULTY OF INNOVATIVE ENGINEERING  
050616 Information Technologies  
PROGRAMME**

**Education Level –Bachelors**

**Study Period- 4 Years**

**Instruction Language – Azerbaijani, Russian and English**

I semester		
Code	Name of the subject	ECTS
ÜF-B02.01	Business and academic communication in a foreign language -1	6
ÜF – B03	Azerbaijani Language and Speech Culture	4
İF-BO1	<a href="#">Linear algebra and analytical geometry</a>	3
İF-BO7	<a href="#">Basics of Information Technology</a>	8
İF-B14	<a href="#">Multimedia Technologies</a>	6
İF-B21	<a href="#">Civil Defence</a>	3
Total		30
<b>Per Semester:</b>		<b>30</b>
II semester		
Code	Name of the subject	ECTS
ÜF-B01	<a href="#">Azerbaijan History</a>	5
ÜF-B02.02	Foreign Language -2	6
İF-BO5	Probability Theory and Statistics	3
İF-BO6	Physics	5
İF-B10	<a href="#">Computer Architecture</a>	8
Total		27
Elective Subjects in Humanities		
Code	Name of the subject	ECTS
ÜFS-B04	1.Philosophy 2. Introduction to Multiculturalism 3. <a href="#">Sociology</a> 4. <a href="#">Constitution of the Republic of Azerbaijan and Bases of Law</a> 5.Logic 6.Ethic and Aesthetics	3
Total		3
<b>Per Semester:</b>		<b>30</b>
III semester		
Code	Name of the subject	ECTS
ÜF-B02.03	Foreign Language -3	3
İF-BO2	<a href="#">Mathematical Analysis</a>	7
İF-BO8	Basics of Programming	6
İF-B13	Operating Systems	6
Total		22
Elective Subjects in Humanities		
Code	Name of the subject	ECTS
ATMF-BO1	1. <a href="#">Metrology and Certification</a> 2.Programming Technology	4
ATMF-BO2	1.Communication Channels 2. <a href="#">Cryptographic Algorithms in Computer Systems</a>	4

	Total	8
	<b>Per Semester:</b>	<b>30</b>
IV semester		
Code	Fənnin adı	ECTS
İF-BO3	Differential Equation	3
İF-BO4	<a href="#">Discrete Mathematics</a>	3
İF-B11	Data Structure and Algorithms	7
Total		13
Elective Subjects in Humanities		
Code	Name of the subject	ECTS
ATMF-BO3	1. <a href="#">Computer Diagnosis</a> 2. Decision Making systems	5
ATMF-BO4	1. <a href="#">Algorithmics and programming</a> 2. Theory of Automata	6
ATMF-BO5	1. System Simulation 2. Basics of Robotechnics	6
Total		17
	<b>Per Semester:</b>	<b>30</b>
V semester		
Code	Name of the subject	ECTS
İF-B12	<a href="#">Database Structure</a>	7
İF-B16	Human Computer Interface	7
İF-B17	<a href="#">Computer Networks</a>	8
Total		22
Elective Subjects in Humanities		
Code	Name of the subject	ECTS
ATMF-BO6	1. <a href="#">Computer Modelling</a> 2. Electrotechnics	4
ATMF-BO7	1. Internet Technology 2. Structure Programming	4
Total		8
	<b>Per Semester:</b>	<b>30</b>
VI semester		
Code	Name of the subject	ECTS
İF-B15	Information Security	6
İF-B20	IT Project Management	5
Total		11
Elective Subjects in Humanities		
Code	Name of the subject	ECTS
ATMF-BO8	1. Distributed Data Systems 2. Intelligent Decision-making Technologies	4
ATMF -BO9	1. Basics of Circuitry 2. Fight Against Cybercrime	5
ATMF-BO10	1. <a href="#">Application Software Packages</a> 2. Design of Computer Systems	5
ATMF-BO11	1. Web Programming 2. Laser and Its Use	5
Total		19
	<b>Per Semester:</b>	<b>30</b>
VII semester		
code	Name of the subject	ECTS
İF-BO9	Modern Programming Languages	6
İF-B18	<a href="#">Artificial Intelligence</a>	6

İF-B19	Web Systems and Technology	7
Total		19
<b>Elective Subjects in Humanities</b>		
Code	Name of the subject	ECTS
ÜFS-B05	1. <a href="#">Information Technology (by specialty)</a> 2. Information Management 3. Political Science 4. Basics of Ownership and Introduction to Business	3
Total		3
<b>Elective Subjects in Humanities</b>		
ATMF-BO12	1. Systematic Analysis 2. <a href="#">Modern Web Programming Tools</a>	4
ATMF-BO13	1. Information Communication Systems 2. Mathematical Logic	4
Total		8
<b>Per Semester:</b>		<b>30</b>
<b>VIII semester</b>		
Code	Name of the subject	ECTS
	Practise	30
<b>Per Semester:</b>		<b>30</b>
<b>TOTAL</b>		<b>240</b>
<b>PAYIZ SEMESTRİ:</b>		
Lessons start: September 15 Exam sesion: December 29 to February 1 Holiday: February 2- 15		
<b>SUMMER SEMESTER:</b>		
Lessons start: February 16 Exam sesion: June 1 to July 5 Holiday: Vocation Period 6-10 Weeks		
<b>SUMMER SEMESTER:</b>		
Lessons start: July 16 To August 20 Exam session: August 21-27		