Western Caspian University

FACULTY OF INNOVATIVE ENGINEERING
050616 Information Technologies
PROGRAMME

Education Level –Bachelors
Study Period- 4 Years
Instruction Language – Azerbaijani, Russian and English

Code	Name of the subject	ECTS
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	Linear algebra and analytical geometry	3
İF-BO7	Basics of Information Technology	8
İF-B14	Multimedia Technologies	6
İF-B21	Civil Defence	3
	Total	30
	Per Semester:	**30**
II semester		
Code	Name of the subject	ECTS
ÜF-B01	Azerbaijan History	5
ÜF-B02.02	Foreign Language -2	6
İF-BO5	Probability Theory and Statistics	3
İF-BO6	Physics	5
İF-B10	Computer Architecture	8
	Total	27
Elective Subjects in Humanities		
Code	Name of the subject	ECTS
ÜFS-B04	1.Philosophy 2. Introduction to Multiculturalism 3.Sociology 4. Constitution of the Republic of Azerbaijan and Bases of Law 5.Logic 6.Ethic and Aesthetics	3
	Total	3
	Per Semester:	**30**
III semester		
Code	Name of the subject	ECTS
ÜF-B02.03	Foreign Language -3	3
İF-BO2	Mathematical Analysis	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.Metrology and Certification 2.Programming Technology	4
ATMF-BO2	1.Communication Channels 2.Cryptographic Algorithms in Computer Systems	4

	Total	8
	Per Semester:	**30**
IV semester		
Code	Fənnin adı	ECTS
İF-BO3	Differential Equation	3
İF-BO4	Discrete Mathematics	3
İF-B11	Data Structure and Algorithms	7
	Total	13
Elective Subjects in Humanities		
Code	Name of the subject	ECTS
ATMF-BO3	1.Computer Diagnosis 2.Decision Making systems	5
ATMF-BO4	1. Algorithmics and programming 2.Theory of aAutomata	6
ATMF-BO5	1.Sysem Simulation 2.Basics of Robotechnics	6
	Total	17
	Per Semester:	**30**
V semester		
Code	Name of the subject	ECTS
İF-B12	Database Structure	7
İF-B16	Human Computer Interface	7
İF-B17	Computer Networks	8
	Total	22
Elective Subjects in Humanities		
Code	Name of the subject	ECTS
ATMF-BO6	1.Computer Modelling 2.Electrotechnics	4
ATMF-BO7	1.İnternet Technology 2.Structure Programming	4
	Total	8
	Per Semester:	**30**
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.Application Software Packages 2.Design of Computer Systems	5
ATMF-BO11	1.Web Programming 2. Laser and Its Use	5
	Total	19
	Per Semester:	**30**
VII semester		
code	Name of the subject	ECTS
İF-BO9	Modern Programming Languages	6
İF-B18	Artificial Intelligence	6

Code	Name of the subject	ECTS
İF-B19	Web Systems and Technology	7
	Total	19

Elective Subjects in Humanities		
Code	Name of the subject	ECTS
ÜFS-B05	1.Information Technology (by specialty) 2.Information Management 3.Political Science 4.Basics of Ownership and Introduction to Business	3
	Total	3

Elective Subjects in Humanities		
ATMF-BO12	1. Systematic Analysis 2. Modern Web Programming Tools	4
ATMF-BO13	1. Information Communication Systems 2. Mathematical Logic	4
	Total	8
Per Semester:		**30**

VIII semester		
Code	Name of the subject	ECTS
	Practise	30
	Per Semester:	**30**
	TOTAL	**240**

PAYIZ SEMESTRİ:
Lessons start: September 15
Exam sesion: December 29 to February 1
Holiday:February 2- 15

SUMMER SEMESTER:
Lessons start:February 16
Exam sesion: June 1 to July 5
Holiday: Vocation Period 6-10 Weeks

SUMMER SEMESTER:
Lessons start: July 16 To August 20
Exam session: August 21-27