WESTERN CASPIAN UNIVERSITY

FACULTY OF INNOVATIVE ENGINEERING
050620 on the specialty of computer engineering
EMPLOYEE TRAINING PLAN

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

I semester		
Code	Compulsory Subjects	ECTS
ÜF-B02.01	Business and academic communication in a foreign language -1	6
ÜF – B03	Business and academic communication in the Azerbaijani language	4
İF-BO1	Linear algebra and analytical geometry	3
İF-BO7	Basics of computer engineering	8
İF-B15	Basics of electronics	6
İF-B20	Civil defense	3
Total		30
Per Semester:		**30**
II semester		
Code	Compulsory Subjects	ECTS
ÜF-B01	History of Azerbaijan	5
ÜF-B02.02	Business and academic communication in a foreign language -2	6
İF-BO5	Probability theory and mathematical statistics	3
İF-BO6	physics	5
İF-BO8	Basics of programming	8
Total		27
Elective subjects in general		
Code	Compulsory Subjects	ECTS
ÜFS-B04	1. Philosophy 2. Introduction to multiculturalism 3. Sociology 4. The Constitution of the Republic of Azerbaijan and the bases of law 5. Logic 6. Ethics and aesthetics	3
Total		3
Per Semester:		**30**
III semester		
Code	Compulsory Subjects	ECTS
ÜF-B02.03	Business and academic communication in a foreign language -3	3
İF-BO2	Mathematical analysis	7
İF-BO9	Data structure and algorithms	6
İF-B11	Operating systems	8
Total		24
Subjects determined by the higher education institution		
Code	Compulsory Subjects	ECTS

ATMF-BO1	1. Application software package 2. Programming technologies	6
	Total	6
	Per Semester:	**30**
IV semester		
Code	Compulsory Subjects	ECTS
İF-BO3	Differential equations	3
İF-BO4	Discrete mathematics	3
İF-B13	Computer architecture	8
İF-B14	Theory of periods	7
	Total	21
Subjects determined by the higher education institution		
Code	Compulsory Subjects	ECTS
ATMF-BO2	1. Simulation of systems 2. Algorithmics and programming	5
ATMF-BO3	1. Diagnostics of computers 2. Basics of robotics	4
	Total	9
	Per Semester:	**30**
V semester		
Code	Compulsory Subjects	ECTS
İF-B10	Database systems	7
İF-B12	Computer networks	8
İF-B18	Computer graphic	5
	Total	20
Subjects determined by the higher education institution		
Code	Compulsory Subjects	ECTS
ATMF-BO4	1. Management of industrial production 2. Internet technologies	5
ATMF-BO5	1. Materials science 2. Computer modeling	5
	Total	10
	Per Semester:	**30**
VI semester		
Code	Compulsory Subjects	ECTS
İF-B16	Digital systems	7
İF-B17	Security of computer systems	8
	Total	15
Subjects determined by the higher education institution		
Code	Compulsory Subjects	ECTS
ATMF-BO6	1. Electrical engineering 2. Basics of circuitry	5
ATMF-BO7	1. Communication channels 2. Ways to ensure cyber security	5
ATMF-BO8	1.Web programming 2. Design of computer systems	5
	Total	15
	Per Semester:	**30**
VII semester		
Code	Compulsory Subjects	ECTS
İF-B19	Computer modeling	7
	Total	7
Elective subjects in general		

Code	Compulsory Subjects	ECTS
ÜFS-B05	1. Information technology (by specialty) 2. Information management 3. Politology 4. Basics of entrepreneurship and introduction to business	3
	Total	3
Subjects determined by the higher education institution		
ATMF -BO9	1. Systematic analysis 2. Information and communication systems	5
ATMF-BO10	1. Modern Web programming tools 2. Information security on mobile phones	5
ATMF-BO11	1. Mathematical logic problems 2. Decision making systems	5
ATMF-BO12	1. Cryptographic algorithms in computer systems 2. Laser and its use	5
	Total	20
	Per Semester:	**30**
VIII semester		
Code	Compulsory Subjects	ECTS
	Practice	30
	Per Semester:	**30**
	Total	**240**
	FALL SEMESTER:	
	Lessons Start: September 15 Exam Period: **From December 29 To February 1** **Holidays: February 2 To February 15**	
	SUMMER SEMESTER:	
	Lessons Starts on 16 Feb **Exam Period 1 Jun-05 Jul** **Vocation Period 6-10 Weeks**	
	SUMMER SEMESTER: **Lessons Start: July 16 To August 20** **Exam Period: August 21-27**	