

WESTERN CASPIAN UNIVERSITY

FACULTY OF HIGH TECHNOLOGIES AND INNOVATIVE ENGINEERING

050632 Information Technologies

Programme

Education Level –Undergraduate

Study Period- 4 Years

Instruction Language – Azerbaijani, Russian and English

I Semester

Code	Compulsory Subjects	ECTS
HF-B02.01	Foreign Language-1	10
HF - B03	Azerbaijani Language and Speech Culture	3
HF-B04	Introduction To Multiculturalism	2
IPF-B01.01	Mathematics-1	6
IPF-B02	Physics	6
IPF-B017	Civil Defence	3
Total		30
Per Semester:		30

II Semester

Code	Compulsory Subjects	ECTS
HF-B01	Azerbaijan History	6
HF –B02.02	Foreign Language -2	10
IPF-B01.02	Mathematics-2	4
IPF-B05	Computer Architecture	6
Total		26

Elective Subjects in Humanities

Code		ECTS
HF-B05.01	1. Philosophy 2. Psychology 3. Cultural Studies 4. Sociology 6. Constitution of the Republic of Azerbaijan and Bases of Law	4
Total		4
Per Semester:		30

III Semester

Code	Compulsory Subjects	ECTS
IPF-B01.03	Mathematics-3	6
IPF-B03	Basics of Information Technology	6
IPF-B04	Basics of Programming -1	6
Total		18

Elective Subjects from Specialty

Code		ECTS
IPFS-BO1	1. Application Software Packages 2. Basics of Management 3. Econometrics	6
IPFS-BO2	1. Basics of Electronics 2. Basics of Electrical Engineering 3. Microprocessor Technology	6
Total		12
Per Semester:		30

IV Semester

Code	Compulsory Subjects	ECTS
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IPF-B04.01	Basics of Programming -2	6
IPF-B08	Operating Systems	6
IPF-B013	Human-Computer Interfaces	6
Total		18
Elective Subjects from Specialty		
Code		ECTS
IPFS-BO3	1. Electronic Control 2. Communication Channels 3. Corporate Governance Systems	6
IPFS-BO4	1. Use of the Database 2. Geographic Information Systems 3. Optical Information Systems	6
Total		12
Per Semester:		30
V Semester		
Code	Compulsory Subjects	ECTS
IPF-B010	Information Security	6
IPF-B012	Computer Networks	6
IPF-B015	Artificial Intelligence	6
Total		18
Elective Subjects from Specialty		
Code		ECTS
IPFS-BO5	1. Systematic Analysis 2. Fight Against Cybercrime 3. Mathematics of Information Technology Elements	6
IPFS-BO6	1. Image Processing 2. Intelligent Systems 3. Expert Systems	6
Total		12
Per Semester:		30
VI Semester		
Code	Compulsory Subjects	ECTS
IPF-B06	Data Structure and Algorithms	6
IPF-B07	Database Systems	6
IPF-B09	Multimedia Technologies	6
IPF-B014	Web Systems and Technologies	6
IPF-B016	Project Management	6
Total		30
Per Semester:		30
VII Semester		
Code	Compulsory Subjects	ECTS
IPF-B011	Object-Oriented Programming	6
Total		6
Elective Subjects from Specialty		
Code	Name Of Subject	ECTS
IPFS-BO7	1. Mathematical Logic Problems 2. Logical Programming 3. Computer Mathematics	6
IPFS-BO8	1. Basics of Cryptography 2. Engineering and Technical Protection of Information 3. Computer Security	6
IPFS-BO9	1. Information Systems 2. Corporate Information Systems 3. 3D Modelling Technologies	6
IPFS-BO10	1. Digital Systems	6

	2. System Programming 3. Modern Programming Languages	
	Total	24
Per Semester:		30
VIII Semester		
Code	Compulsory Subjects	ECTS
	Practise	21
	The Final State Examination	9
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		