

"Approved by Order No. 40 of
the Ministry of Education of the
Republic of Azerbaijan
dated January 21, 2014."

**050616 Information Technologies
(Code and title of the specialty)**

Academic Schedule
(For Bachelor's level)

Form N: 2

| N | Course code | Course title | Number of credits | Prerequisite (course code of the subjects required to be taken beforehand) | Corequisite (courses intended to be taken concurrently) | Planned semester for the course (Fall or Spring) |
|-------------------------|-------------|---|-------------------|--|---|--|
| I academic year | | | | | | |
| 1 | GS-B02.01 | Business and Academic Communication in a Foreign Language - 1 | 7 | | - | fall-1 |
| 2 | GS – B03 | Business and Academic Communication in Azerbaijani | 4 | | - | fall-1 |
| 3 | SC-BO1 | Linear Algebra and Analytic Geometry | 3 | | - | fall-1 |
| 4 | SC-BO6 | Physics | 5 | | - | fall-1 |
| 5 | SC-BO7 | Fundamentals of Information Technologies | 8 | | - | fall-1 |
| 6 | SC-B21 | Civil Defense | 3 | | - | fall-1 |
| 7 | GS-B02.02 | Business and Academic Communication in a Foreign Language - 2 | 8 | GC-B02.01 | - | spring-2 |
| 8 | SC-BO2 | Mathematical Analysis | 7 | | - | spring-2 |
| 9 | SC-BO5 | Probability Theory and Mathematical Statistics | 3 | | - | spring-2 |
| II academic year | | | | | | |
| 10 | SC-B10 | Computer Architecture | 8 | | - | fall-3 |
| 11 | VSS-BO1 | I block 1. Fundamentals of Circuit Engineering 2. System Analysis | 4 | | - | fall-3 |
| 12 | VSS-BO2 | II block 1. Computer Diagnostics 2. Decision-Making Systems | 4 | | | fall-3 |
| 13 | VSS-BO3 | III block: 1. Digital Cartography and Geographic Information Systems 2. Cloud Technologies | 5 | | | fall-3 |
| 14 | GC-B01 | Digital Cartography and Geographic Information Systems | 5 | | - | spring-4 |
| 15 | SC-BO3 | Cloud Technologies | 3 | | - | spring-4 |
| 16 | SC-BO4 | Digital Cartography and Geographic Information Systems | 3 | | - | spring-4 |
| 17 | SC-B11 | Cloud Technologies | 7 | | - | spring-4 |
| 18 | VSS-BO4 | IV block: 1. Programming Technologies 2. Research Software Package | 5 | | - | spring-4 |
| 19 | VSS-BO5 | V block: 1. Algorithmization and Programming 2. Systems Simulation | 4 | | - | spring-4 |

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|--------------------------|---------|---|----|--|---|-----------------|
| 20 | VSS-BO6 | VI block: 1. Methods of Ensuring Cybersecurity 2. Communication Channels | 3 | | - | spring-4 |
| III academic year | | | | | | |
| 21 | SC-B12 | Database Systems | 7 | | - | fall-5 |
| 22 | SC-B16 | Human-Computer Interface | 7 | | - | fall-5 |
| 23 | SC-B17 | Computer Networks | 8 | | - | fall-5 |
| 24 | VSS-BO7 | VII block: 1. Information Communication Systems 2. Mathematical Logic Problems | 4 | | - | fall-5 |
| 25 | VSS-BO8 | VIII block: 1. Fundamentals of Robotics 2. Electrotechnics | 4 | | - | fall-5 |
| 26 | VSS-BO9 | IX block: 1. Web Programming 2. Computer Systems Design | 4 | | - | fall-5 |
| 27 | SC-B15 | Information Security | 6 | | - | spring-6 |
| 28 | SC-B19 | Web Systems and Technologies | 7 | | - | spring-6 |
| 29 | SC-B20 | IT Project Management | 5 | | - | spring-6 |
| 30 | VSS-B10 | X block: 1. Distributed Data Systems 2. Intelligent Technologies in Decision Making | 3 | | - | spring-6 |
| 31 | VSS-B11 | XI block: 1. Metrology and Certification 2. Laser and Its Applications 3. Social Physics | 5 | | | spring-6 |
| IV academic year | | | | | | |
| 32 | GCC-B05 | Second block 1. Information Technologies (Specialty) 2. Information Management 3. Political Science 4. Fundamentals of Entrepreneurship and Introduction to Business | 3 | | - | fall-7 |
| 33 | SC-BO9 | Modern Programming Languages | 6 | | - | fall-7 |
| 34 | SC-B18 | Artificial Intelligence | 6 | | - | fall-7 |
| 35 | VSS-B12 | VSS XII block: 1. Computer Modeling 2. Theory of Automata | 7 | | - | fall-7 |
| 36 | VSS-B13 | VSS XIII block: 1. Modern Web Programming Tools 2. Cryptographic Algorithms in Computer Systems | 4 | | - | fall-7 |
| 37 | VSS-B14 | VSS XIV block: 1. Internet Technologies 2. Structured Programming | 4 | | | fall-7 |
| 38 | | <i>Internship</i> | 30 | | - | Spring-8 |

Approved by:

“ _____ ” Head of Department

Agreed by:

“ _____ ” Dean of the Faculty

Head of the Center for Organization and Management of Education _____ Piri Akhundov

