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| AGREED by the Chairman of the Educational and Methodological Council of «IITU» JSC\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Full name«\_\_» \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_20\_\_\_ . | APPROVED by the Rector of the International Information Technology University JSC\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Full name«\_\_» \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_20\_\_\_ . |

**ACADEMIC PROGRAM**

(academic program code and name)

Education area code and classification: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Training direction code and classification: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Group of academic programs: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Level according to ISCED: \_\_\_\_\_

Level according to NQF: \_\_\_\_\_

Level according to IQF: \_\_\_\_\_

Academic degree awarded \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Training period: \_\_\_\_\_

Number of credits: \_\_\_\_\_

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| AGREED by Representatives of industry associations of employers and IT companies \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Full name«\_\_» \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_20\_\_\_ . | AGREED by Representatives of industry associations of employers and IT companies \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Full name«\_\_» \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_20\_\_\_ . |

Almaty, 20\_\_\_

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# **List of abbreviations and acronyms**

СD Cycle of core disciplines

CC Core competency

BM Basic module

UC University component

HE Higher education

NMS National Mandatory Standards of Higher and Post-Graduate Education

ATT Additional types of training

EQF European qualifications framework

EFE European foundation for education

KSA Knowledge, Skills and Abilities

FA Final attestation

OC Optional component

ISCED International Standard Classification of Education

NQF National qualifications framework

NQS National qualifications system

GHM General humanitarian module

RC Required component

GEM General education module

GED Cycle of general education disciplines

AP Academic program

GPM General professional module

SQF Sectoral qualifications framework

GEC General education competence

M Cycle of majors

PI Professional internship

PS Professional standard

PE Postgraduate education

PC Professional competence

PM Professional module

LO Learning outcome

QMS Quality Management System

## Description of the academic program

…..

….

## Aim and objectives of the academic program

**AP aim** - … .

**AP objectives:**

…..

## Passport of the academic program

## General information

This section includes information from the Competence Model of the graduate of the academic program.

Education area code and classification;

Training direction code and classification;

Group of academic programs;

Name of the Academic Program;

Aim of the Academic Program;

Type of the Educational Program (New, Active, Innovative, Joint);

Qualifications of the graduate of the Academic Program:

- Sphere of professional activity of the AP graduate;

- Objects of professional activity of the AP graduates;

- Subject of professional activity;

- Professional activities of the AP graduate;

- Functions of the professional activity of the AP graduate;

Level according to the International Standard Classification of Education;

Level according to the National Classifications Framework;

Level according to the Sectoral Qualifications Framework;

Number of credits;

Academic degree awarded;

The awarded academic degree is indicated in accordance with Annex 4 to the National Mandatory Standards of Higher and Post-Graduate Education «Names of the awarded degrees in accordance with the fields and levels of education».

List of generalized competencies of the educational program;

List of generalized learning outcomes of the educational program;

Correlation table of AP graduate’s competencies, expected learning outcomes, methods and assessment criteria.

The following information is also indicated:

Form of training;

Language of instruction;

AP strategic partners;

Developer (s) and authors of the academic program.

**Correlation table of competencies, learning outcomes, methods and assessment criteria**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Dublin descriptors** | **AP Graduate Competencies** | **Competencies expressed in expected learning outcomes**  | **Assessment criteria**  | **Name of the assessment method** |
| **General education competencies** |
| 1. Knowledge and understanding | Competence 1 | Learning Outcome 1 | Assessment criterion 1.1 |  |
| ... |  |
| Assessment criterion 1.m |  |
| Learning Outcome 2 | Assessment criterion 2.1 |  |
| ... |  |
| Assessment criterion 2.m |  |
| ... | ... | ... | ... | ... |
| 5. Self-learning | Competence N | Learning Outcome N-1 | Assessment criterion N-1.1 |  |
| ... |  |
| Assessment criterion N-1.m |  |
| Learning Outcome N | Assessment criterion N.1 |  |
| ... |  |
| Assessment criterion N.m |  |
| **Core competencies** |
| 1. Knowledge and understanding | Competence 1 | Learning Outcome 1 | Assessment criterion 1.1 |  |
| ... |  |
| Assessment criterion 1.m |  |
| Learning Outcome 2 | Assessment criterion 2.1 |  |
| ... |  |
| Assessment criterion 2.m |  |
| ... | ... | ... | ... | ... |
| 5. Self-learning | Competence N | Learning Outcome N-1 | Assessment criterion N-1.1 |  |
| ... |  |
| Assessment criterion N-1.m |  |
| Learning Outcome N | Assessment criterion N.1 |  |
| ... |  |
| Assessment criterion N.m |  |
| **Professional competencies** |
| 1. Knowledge and understanding | Competence 1 | Learning Outcome 1 | Assessment criterion 1.1 |  |
| ... |  |
| Assessment criterion 1.m |  |
| Learning Outcome 2 | Assessment criterion 2.1 |  |
| ... |  |
| Assessment criterion 2.m |  |
| ... | ... | ... | ... | ... |
| 5. Self-learning | Competence N | Learning Outcome N-1 | Assessment criterion N-1.1 |  |
| ... |  |
| Assessment criterion N-1.m |  |
| Learning Outcome N | Assessment criterion N.1 |  |
| ... |  |
| Assessment criterion N.m |  |

## Matrix for correlating the learning outcomes of the academic program with the formed competencies

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **LO1** | **LO2** | **LO3** | **LO4** | **LO5** | **LO6** | **LO7** | **LO8** | **LO9** | **LO10** | **...** |
| **GC1** |  |  |  |  |  |  |  |  |  |  |  |
| **GC2** |  |  |  |  |  |  |  |  |  |  |  |
| **GC3** |  |  |  |  |  |  |  |  |  |  |  |
| **…** |  |  |  |  |  |  |  |  |  |  |  |
| **…** |  |  |  |  |  |  |  |  |  |  |  |
| **…** |  |  |  |  |  |  |  |  |  |  |  |
| **GC9** |  |  |  |  |  |  |  |  |  |  |  |
| **…** |  |  |  |  |  |  |  |  |  |  |  |

## Information about the modules of the academic program

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Module code and name** | **Volume (labor intensity) of the module** | **Learning outcomes** | **Learning outcomes assessment criteria** | **Disciplines forming the module****Code and Name**  |
| **GENERAL EDUCATION MODULES** |
|  |  |  |  |  |
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| **BASIC MODULES** |
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| **PROFESSIONAL MODULES** |
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## Information about the disciplines of the academic program

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| **No.** | **Discipline Code and Name** | **Brief description of the discipline****(30-50 words)** | **Labor intensity of discipline in credits**  | **Learning outcomes formed (codes)**  | **Prerequisites** | **Postrequisites** |
| **Cycle of general education disciplines (GED)****Required component (RC)** |
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| **Cycle of general education disciplines (GED)****University component (UC) and (or) Optional component (OC)** |
|  |  |  |  |  |  |  |
| **Cycle of core disciplines****University component**  |
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| **Cycle of core disciplines** **Optional component** |
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| **Cycle of majors****University component** |
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| **Cycle of majors****Optional component** |
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## Curriculum of the academic program

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| **No.** | **Module code** | **Module name in three languages (kaz / rus / eng)**  |  **Discipline Code** | **Discipline name in three languages (kaz / rus / eng)** | **Cycles (GED, CD, M)** | **Components (RC, OC, UC)**  | **Total number of credits (ECTS)** | **Total number of academic hours**  | **Number of classroom hours**  | **Number of SIS hours** | **Form of control (Midterm, End-of-term, examination, CP defense, differential test, DP defense)** | **Prerequisites (Discipline Code)** |
| **Total number of classroom hours** | **Including** | **Total number of SIS hours** | **Including TSIS** |
| **lectures** | **practical classes (sem.)** | **laboratory classes** |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** |
| **1 year** |
| **1 semester** |
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|  **Total number for a semester:** |  |  |  |  |  |  |  |  |  |  |  |  |
| **2 semester** |
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| **Total number for a semester:** |  |  |  |  |  |  |  |  |  |  |  |  |
| **TOTAL NUMBER FOR THE YEAR:** |  |  |  |  |  |  |  |  |  |  |  |  |
| **2 year**  |
| **3 semester** |
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|   |  |  |  | **Total number for a semester:** |  |  |  |  |  |  |  |  |  |  |  |  |
| **4 semester** |
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| **Total number for a semester:** |  |  |  |  |  |  |  |  |  |  |  |  |
| **TOTAL NUMBER FOR THE YEAR:** |  |  |  |  |  |  |  |  |  |  |  |  |

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| **3 year**  |
| **5 semester** |
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|   |  |  |  | **Total number for a semester:** |  |  |  |  |  |  |  |  |  |  |  |  |
| **6 semester** |
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| **Total number for a semester:** |  |  |  |  |  |  |  |  |  |  |  |  |
| **TOTAL NUMBER FOR THE YEAR:** |  |  |  |  |  |  |  |  |  |  |  |  |
| **4 year** |
| **7 semester** |
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|   |  |  |  | **Total number for a semester:** |  |  |  |  |  |  |  |  |  |  |  |  |
| **8 semester** |
| 1.
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| **Total number for a semester:** |  |  |  |  |  |  |  |  |  |  |  |  |
| **TOTAL NUMBER FOR THE YEAR:** |  |  |  |  |  |  |  |  |  |  |  |  |
| **TOTAL:** |  |  |  |  |  |  |  |  |  |  |  |  |

**Summary table of indicators of the academic program’s number of credits in the context of cycles of disciplines and semesters**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cycles of disciplines / Semester** | **1 sem.** | **2 sem.** | **3 sem.** | **4 sem.** | **5 sem.** | **6 sem.** | **7 sem.** | **8 sem.** | **Total number of credits ECTS** | **Note****(AP structure according to the National Mandatory Standards of Higher and Post-Graduate Education)**  |
| Cycle of general education disciplines (GED)  |  |  |  |  |  |  |  |  |  | \* No more than 56 cr.  |
| - including the required component (GED RC)  |  |  |  |  |  |  |  |  |  | \* No more than 51 cr.  |
| - including optional component (GED OC)  |  |  |  |  |  |  |  |  |  | \* Not less than 5 cr.  |
| Cycle of core disciplines (CD)  |  |  |  |  |  |  |  |  |  | \* No more than 112 cr.  |
| - including the university component (CD UC)  |  |  |  |  |  |  |  |  |  |  |
| - including optional component (CD OC)  |  |  |  |  |  |  |  |  |  |  |
| Cycle of majors (M)  |  |  |  |  |  |  |  |  |  | \* Not less than 60 cr.  |
| - including the university component (M UC)  |  |  |  |  |  |  |  |  |  |  |
| - including optional component (M OC)  |  |  |  |  |  |  |  |  |  |  |
| Professional internship (PI)  |  |  |  |  |  |  |  |  |  |  |
| Additional types of training |  |  |  |  |  |  |  |  |  |  |
| Final attestation (FA)  |  |  |  |  |  |  |  |  |  | 12 cr. |
| **TOTAL number of credits for the academic program**  |  |  |  |  |  |  |  |  |  | Not less than 240 cr.  |

## Minors

|  |  |  |  |
| --- | --- | --- | --- |
| **Name of Minors, indicating the list of disciplines that form them** | **Number of Minor credits / number of discipline credits**  | **Semesters** | **Document issued on the basis of the results of mastering Minors**  |
| Name of Minors.Competencies formed by Minors, expressed in learning outcomes. | 15-20 |  |  |
| - Discipline code and name |  |  |  |
| - Discipline code and name |  |  |  |
| - Discipline code and name |  |  |  |
| - Discipline code and name |  |  |  |
| Name of Minors.Competencies formed by Minors, expressed in learning outcomes. | 15-20 |  |  |
| - Discipline code and name |  |  |  |
| - Discipline code and name |  |  |  |
| - Discipline code and name |  |  |  |
| - Discipline code and name |  |  |  |

## Developer approval sheet

Code and name of the academic program: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ - «\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_»

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Academic program developers (Position, Academic degree, Full name)** | **Date** | **Signature** | **Note** |
| 1 |  |  |  |  |
| 2 |  |  |  |  |
| 3 |  |  |  |  |
| 4 |  |  |  |  |