Al-Farabi KazNU trains specialists using credit technology of education, the main task of which is to develop students' abilities for self-organization and self-education based on the elective educational trajectory within the framework of regulation of the educational process and accounting for the amount of knowledge in the form of credits.

*Credit (Credit Hour)* is a unified unit for measuring the amount of educational work of a student / teacher. One credit of theoretical training is 45 academic hours, of which 15 hours of classroom work, 30 hours of independent work.

*Credit technology of education (Credit Unit System)* is an educational technology that increases the level of self-education and creative development of knowledge based on individualization, elective educational trajectory in the framework of taking into account the volume of knowledge in the form of credits and the accumulative system of education.

The volume of the study load of students is measured in credits mastered during the academic year for each academic discipline. For the entire period of study at the university, the student must master the required number of credits.

**Distribution of credits and hours for credit**

**education system**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Credits of**  **disciplines** | **Credit distribution** | | | | **Hours distribution** | | |
| **Lectures** | **Seminars** | | **Labs** | **Lectures** | **Seminars** | **Labs** |
| 3 credits | 1.5 | 1.5 | 0 | | 15 | 15 | 0 |
| 5 credits | 1.7 | 3.3 | 0 | | 15 | 30 | 0 |
| 1.7 | 0 | 3.3 | | 15 | 0 | 30 |
| 1.7 | 1.7 | 1.6 | | 15 | 15 | 15 |
| 6 credits | 3 | 3 | 0 | | 30 | 30 | 0 |
| 1.5 | 1.5 | 3 | | 15 | 15 | 30 |
| 9 credits | 3 | 3 | 3 | | 30 | 30 | 30 |
| 1.5 | 1.5 | 6 | | 15 | 15 | 60 |
| 3 | 6 | 0 | | 30 | 60 | 0 |
| 3 | 0 | 6 | | 30 | 0 | 60 |

**Number of credits for the entire period of study**

**Bachelor’s program**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Semester** | **General**  **number of credits** | **Number of credits by disciplines** | | | | | **Practice** |
| **2** | **5** | **6** | **8** | **9** |
| 1 | 29 | 1 | 2 | - | 1 | 1 | - |
| 2 | 31 | 1 | 4 | 1 | - | - | Educational practice -3 credits |
| 3 | 31 | 1 | 1 | 1 | - | 2 | - |
| 4 | 29 | 1 | 1 | - | - | 2 | Industrial (production) practice -4 credits |
| 5 | 30 | - | - | 2 | - | 2 | - |
| 6 | 30 | - | - | 3 | - | 1 | Industrial (production) practice -3 credits |
| 7 | 36 | - | - | 3 | - | 2 | - |
| 8 | 24 | - | - | - | - | - | Industrial (production) practice - 9 credits  Professional (Pre-Diploma) practice - 7 credits  Final certification - 8 credits |
| **Number of credits for the entire period of study: 240** | | | | | | | |

**Master's program**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Semester** | **General**  **number of credits** | **Number of credits by disciplines** | | | **Scientific research work** |
| **3** | **6** | **9** |
| 1 | 30 | 1 | 4 | - | Scientific seminar - 1 credit  Completion of a master's thesis - 2 credits |
| 2 | 30 | 2 | 1 | 1 | Teaching practice - 5 credits  Scientific seminar - 1 credit  Completion of a master's thesis - 2 credits |
| 3 | 33 | - | - | 3 | Research practice - 4 credits  Completion of a master's thesis - 2 credits |
| 4 | 27 |  |  |  | Research practice - 4 credits  Scientific seminar - 1 credit  Completion of a master's thesis - 7 credits  Scientific internship - 3 credits  Publications in scientific journals - 4 credits |
| **Number of credits for the entire period of study: 120** | | | | | |

**PhD program**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Semester** | **General**  **number of credits** | **Number of credits by disciplines** | | | **Scientific research work** |
| **2** | **3** | **5** |
| 1 | 31 | 1 | 1 | 4 | Scientific seminar - 3 credits  Completion of a doctoral dissertation - 3 credits |
| 2 | 29 | - | - | - | Teaching practice - 10 credits  Scientific seminar - 2 credits  Graduation seminar - 6 credits  Completion of a doctoral dissertation - 11 credits |
| 3 | 30 | - | - | - | Research practice - 5 credits  Scientific seminar - 8 credits  Completion of a doctoral dissertation - 14 credits  Participation in international conferences - 3 credits |
| 4 | 30 | - | - | - | Research practice - 5 credits  Scientific seminar - 4 credits  Graduation seminar - 6 credits  Completion of a doctoral dissertation - 15 credits |
| 5 | 30 |  |  |  | Scientific seminar - 3 credits  Graduation seminar - 6 credits  Completion of a doctoral dissertation - 8 credits  Participation in international conferences - 3 credits  Scientific internship - 10 credits |
| 6 | 30 | - | - | - | Scientific seminar - 1 credit  Completion of a doctoral dissertation - 2 credits  Publication of scientific results - 15 credits  Final certification - 12 credits |
| **Number of credits for the entire period of study: 180** | | | | | |