

Name of the programme :Pharmacy

Language : Georgian

Qualification :Bachelor of Pharmacy

ECTS credits :

Educational Programme is designed on the base of ECTS system. Oriented to students and based on academic workload which is needed to achieve the goals defined by the programme.

Educational programme of Georgian Philology consists of 240 ECTS, 60 credits per year, 30 credits per semester, so the length of the Programme is 4 years or 8 semesters.

According to students individual workload, it can vary from 60 credits till 75.

The goal of the Educational Programme:

The main goal of the educational programme in Pharmacy

To prepare qualified specialists in the field of Pharmacy, which will be competitive staff in the modern labor market. To give to the graduate wide knowledge of the field with the combination of theoretical knowledge and some practical skills and to consider the different aspect of the pharmacy, which is necessary to carry on their study on the master level of study in pharmacy. To prepare the graduate work future career in pharmacy, to prepare practicing pharmacists who will be able to gather the information and to use it in the practice. Will be able to prepare some forms of medications on the base of the individual recipe. To have the ability to analyze medicinal drugs. To make a judgment. To establish ones professional and individual values. The main goal of the educational programme in pharmacy is to prepare professionals with the knowledge of first stage of higher education in pharmacy oriented on practical work in the field of pharmacy, who will be able procurement plural raw materials, substances, medicinal preventive means of production, to make quality control on them, to standardization and to provide the population with effective, qualitative, safe and achievable means of medications.

The graduate would be able to be employed in pharmaceutic productions, in medical institutions, in drugstores.

Programme pre-requisites :

To enter the Educational Programme of Pharmacy is allowed to Georgian citizen student who has graduate successfully general education certificates. Or owns the equal documents of it on the base of united national exams

To enter the teaching university without passing united national exam allowed according to Georgian legislation.

To enter the programme for the mobility students allowed twice in a year within the deadline defined by the ministry of education and science of Georgia, following the rules and procedures established by the teaching university.

To be enrolled in the educational programme of Pharmacy for international students or for students studied abroad is allowed after the decision made by the Ministry of Education and Science of Georgia

Learning outcomes :

pharmacokinetics, clinical pharmacy, pharmacotherapy, disciplines from the field study like: pharmaceutical chemistry, pharmacognosy, technology of the forms of drugs.

The graduate will have the knowledge of pharmaceutical organization and economics. Will have the knowledge about pharmaceutical production, pharmaceutical management. Will have the knowledge of technological processes. Will know how to assist the clients, how to help them in a pharmaceutical way (dosage, using, safety, forms of medications and etc.). have the knowledge about the rational choice of the drugs could be delivered without the recipe. Knows calculation and delivering of the drugs under the controls (psychotropic drugs, narcotics). Will have the knowledge about of the main physical, chemical, biological and physiological appropriate regulatory processes in norm and during pathology.

To estimate the effectiveness and value of the medication. Knows the rules of working processes in drug stores, laboratories, and pharmaceutical production.

Will have the ability to prepare plural raw materials, substances and medical preventive drugs. Have the ability of how to safely and make a safety condition for medical plural raw materials, main and additional materials and already prepared drugs.

Have the skills to offer effective, safe and qualitative medication for clients. To deliver the drugs with recipe, dosage, to inform the client about the side effects of the drugs. To choose rationally medical drugs delivered without the recipe.

The ability to calculate and deliver spec-control drugs (psychotropic, narcotics). The ability of realization and wrapping already-made drugs and ability of their preservation. The ability of pharmaceutical and toxicologist analyses and their using in practice (medical drugs preparation, medical drugs analyses). Have the ability of safety using and exploitation of types of equipment and practical skills for working with them. Have the ability of problem-solving in a critical and concrete situation. To use the regulation rules, law principles in pharmaceutical practice. Able to check the dose of poisonous substance correspondingly of the age.

General Competences:

Have the ability to communicate with the doctor and make a judgment in case of nonrelevant recipe. Ability to react on time in case of polypragmasia.

Have the ability of analyses and synthesis. Able to analyze the data by using standard and some pet methods.

Communication skills

To communicate as in native language as in foreign language. To prepare the detail reports and information for specialists and nonspecialists about the ways of problem solving and ideas in native and foreign languages. The effective skill of using Information Technologies in practical pharmacy.

The ability of effective communication in pharmaceutical practice.

Able self-evaluate, estimate own and others abilities and learning outcomes. Knows how to improve professional knowledge. To manage the future plans carrying learning in Master degree.

To protect the rights and safety of clients. The consciousness of responsibility for the safe and protected environment.

Students knowledge assessment system:

To study courses in educational programme of Pharmacy means students active performance and based on the non-finished process of assessment.

During the implementing educational programme of Pharmacy students, achievements can be evaluated according to the decision of the Ministry of Education and Science of Georgia N3, 2007 years 5th January Regarding "ECTS credit system calculation rules in HE"

In the courses of the educational programme of Pharmacy evaluation system of students achievements consist following forms _ midterm and final exams and the sum of those is final evaluation (100 scores)

Midterm and final evaluation forms consist of evaluation component(s), which is the tools for evaluating students knowledge and skills. Those tools are: writing/oral exam, writing/oral questionnaires, home works, practical/theoretical works and etc. evaluation components combine similar methods (test, essay, demonstration, presentation, discussion, working on practical/theoretical works, working in group, taking active participation in discussion, quiz and etc). assessment tools can be measured with assessment criteria, with scores which shows the level of achievement.

Each form and component of assessment has its maximum of the score from the final (100 score) score which is defined in syllabus and students will be informed from the beginning of the semester.

It is not allowed to asses the student with only one form (midterm or final) of assessment. Credit point will be gained by the students only in case of the positive mark.

The minimum score of the components of midterm and final evaluation must not exceed 60% of middle evaluations and 60% for the final exam. Head of each course will inform students about minimal competences of middle and final evaluation in the concrete syllabus at the beginning of the semester.

Assessment system forms:

Five types of positive grade:

- (A) excellent – 91-100 points
- (B) very good – 81-90 points of maximum grade
- (C) good – 71-80 points of maximum grade;
- (D) satisfactory – 61-70 points of maximum grade;
- (E) acceptable – 51-60 points of maximum grade

Two types of negative grade;

(FX) fail with exam – 41-50 points of maximum grade, which means that student needs some more time before passing the exam and will be given chance to pass the additional exam once again

(F) fail – 40 points and less of maximum grade, it means that the work done by the student is not acceptable and he/she has to study the subject anew.

In case of FX grade, the additional exam may be appointed at least 5 calendar days after the announcement of the final exam results. The grade got in the additional exam cannot be added to the grade gained during the final exam. Score gained in the additional exam is final score and will be inserted in the final evaluation. In case of getting 0-50 score as a final assessment after additional exam student will be assessed F – 0 score.

Employability fields;

A graduate of the educational programme of pharmacy can be employed:

Each kind of pharmaceutical production, drug stores, in the laboratories for medical expertise and quality control. In some institutions, in public sector of regulation for pharmaceutical activities.

In national and international pharmaceutical companies. Would be able to manage with his/her own business in pharmacy.

The chance to proceed with the learning:

The graduate is allowed to proceed with the knowledge in another Higher Educational Institution in Georgia or Abroad on the master level of pharmaceutical study oriented in a high level of study in specialty and oriented on the preparation of specialist with research skills.

The graduate can be allowed to proceed with the knowledge in another field of master level study if there is no limitation according to the prerequisite of the concrete bachelor educational programme.

Structure of the programme

Educational programme of Pharmacy consist:

University subjects _ 45 credits, 40 obligatory credits and 5 credit is elective from 25 credits

165 credits for major specialty, which consist of four modules (chemistry, medical technology, pharmaceutical chemistry and organization of pharmacy) and separate subjects. There are 10 credits for elective subjects to enhance the major study.

Free credits _ 15 credits, 10 credit for practice in production.